



IES INDOOR REPORT

PHOTOMETRIC FILENAME : HZX-EX-S1-20W-5000K-D120.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] HZX-EX-S1-20W-5000K-D120

[TESTLAB] Dongguan New Testing Centre Co., Ltd

[TESTDATE] 09 December 2021

[ISSUEDATE] 2021-12-09 14:38:59

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000_V2 SYSTEM

[MANUFAC] BELUCE CANADA INC.

[LUMINAIRE] HZX-EX-S1-20W-5000K-D120

[LUMCAT]] HZX-EX-S1-20W-5000K-D120

[LAMP] 3226 LUMENS

[_SEARCH_SOURCETYPE] LED

[LUMINAIRE] LED

[BALLAST] 100-277VAc 50/60Hz

[OTHER]

[OTHER] Gamma(deg) Fz(lm) Ft(lm) %Lum %Lamp

[OTHER] 0- 10 111.73 111.73 3.46 3.46

[OTHER] 10- 20 324.17 435.90 13.51 13.51

[OTHER] 20- 30 501.30 937.21 29.06 29.06

[OTHER] 30- 40 618.68 1555.89 48.24 48.24

[OTHER] 40- 50 636.22 2192.11 67.96 67.96

[OTHER] 50- 60 531.70 2723.81 84.44 84.44

[OTHER] 60- 70 355.68 3079.48 95.47 95.47

[OTHER] 70- 80 130.21 3209.69 99.51 99.51

[OTHER] 80- 90 12.46 3222.16 99.89 99.89

[OTHER] 90-100 0.20 3222.36 99.90 99.90

[OTHER] 100-110 0.28 3222.64 99.91 99.91

[OTHER] 110-120 0.36 3223.00 99.92 99.92

[OTHER] 120-130 0.48 3223.48 99.93 99.93

[OTHER] 130-140 0.58 3224.06 99.95 99.95

[OTHER] 140-150 0.58 3224.64 99.97 99.97

[OTHER] 150-160 0.52 3225.16 99.99 99.99

[OTHER] 160-170 0.35 3225.51 100.00 100.00

[OTHER] 170-180 0.12 3225.63 100.00 100.00

[OTHER]

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CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3226
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	161
Total Luminaire Watts	20.04
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.15 m (Diameter)
Luminous Width (90-270)	0.15 m (Diameter)
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	67233	66882	66671
55	59147	59651	59379
65	49946	50994	48847
75	27200	27509	25817
85	5263	5147	5321

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CANDELA TABULATION

	<u>0</u>	<u>15</u>	<u>30</u>	<u>45</u>	<u>60</u>	<u>75</u>	<u>90</u>	<u>105</u>	<u>120</u>	<u>135</u>
0	1176.400	1176.400	1176.400	1176.400	1176.400	1176.400	1176.400	1176.400	1176.400	1176.400
1	1175.700	1175.500	1175.500	1175.900	1176.000	1176.200	1176.200	1177.300	1176.900	1177.000
2	1175.300	1175.000	1175.000	1175.300	1175.400	1175.600	1175.600	1176.800	1176.400	1176.500
3	1174.700	1174.500	1174.400	1174.600	1174.800	1175.000	1174.900	1176.100	1175.800	1175.900
4	1174.000	1173.600	1173.600	1173.900	1174.000	1174.000	1174.000	1175.300	1175.000	1175.200
5	1173.000	1172.600	1172.600	1172.800	1173.000	1173.000	1173.000	1174.300	1174.000	1174.200
6	1171.800	1171.400	1171.400	1171.600	1171.900	1171.700	1171.800	1173.100	1172.800	1172.900
7	1170.300	1170.100	1170.000	1170.300	1170.500	1170.400	1170.500	1171.600	1171.200	1171.300
8	1168.800	1168.600	1168.400	1168.500	1168.800	1168.700	1168.800	1169.900	1169.500	1169.500
9	1166.900	1166.700	1166.500	1166.400	1166.800	1166.900	1166.700	1167.900	1167.400	1167.300
10	1164.700	1164.600	1164.300	1164.100	1164.400	1164.500	1164.500	1165.500	1164.900	1164.800
11	1162.200	1162.100	1161.700	1161.600	1161.900	1161.800	1161.700	1162.700	1162.100	1162.000
12	1159.400	1159.200	1159.000	1158.800	1158.900	1158.900	1158.500	1159.600	1159.000	1158.800
13	1156.000	1155.800	1155.700	1155.400	1155.400	1155.300	1155.000	1156.200	1155.600	1155.300
14	1152.400	1152.300	1152.100	1151.800	1151.600	1151.400	1151.200	1152.200	1151.800	1151.400
15	1148.500	1148.100	1148.000	1147.700	1147.600	1147.300	1147.000	1148.000	1147.600	1147.100
16	1144.100	1143.700	1143.600	1143.200	1143.100	1142.800	1142.400	1143.400	1142.900	1142.400
17	1139.500	1138.800	1138.800	1138.300	1138.400	1138.000	1137.600	1138.500	1137.900	1137.300
18	1134.500	1133.700	1133.600	1133.400	1133.300	1132.700	1132.500	1133.200	1132.600	1132.000
19	1129.100	1128.400	1128.100	1128.000	1127.900	1127.400	1127.000	1127.700	1126.900	1126.200
20	1123.300	1122.500	1122.300	1122.200	1122.100	1121.400	1121.100	1121.700	1120.900	1120.400
21	1117.400	1116.400	1116.200	1116.300	1115.900	1115.400	1114.900	1115.400	1114.600	1114.200
22	1110.900	1110.000	1109.800	1110.000	1109.300	1108.700	1108.100	1108.800	1108.000	1107.400
23	1104.100	1103.300	1103.000	1103.000	1102.600	1101.700	1101.100	1101.700	1101.000	1100.700
24	1097.000	1096.300	1095.900	1095.800	1095.600	1094.500	1093.900	1094.500	1093.700	1093.300
25	1089.300	1089.000	1088.400	1088.400	1088.200	1087.000	1086.500	1086.800	1086.100	1085.800
26	1081.400	1081.300	1081.000	1080.900	1080.500	1079.200	1078.700	1078.900	1078.100	1077.800
27	1073.200	1073.100	1072.800	1072.700	1072.000	1070.900	1070.000	1070.400	1069.600	1069.200
28	1064.700	1064.600	1064.400	1064.200	1063.300	1062.300	1061.300	1061.000	1060.800	1060.000
29	1055.800	1056.000	1055.700	1055.400	1054.600	1053.000	1052.100	1051.700	1051.300	1050.500
30	1046.300	1046.700	1046.300	1046.100	1045.100	1043.700	1042.300	1041.900	1041.300	1040.700
31	1036.400	1036.600	1036.600	1036.200	1035.100	1033.800	1032.300	1031.500	1031.200	1030.400
32	1026.100	1026.400	1026.600	1025.900	1024.800	1023.700	1022.100	1020.900	1020.700	1020.000
33	1015.400	1015.700	1016.100	1015.200	1014.200	1013.300	1011.400	1010.000	1009.800	1009.000
34	1004.200	1004.400	1004.900	1004.300	1003.100	1002.200	1000.300	998.520	998.390	997.710
35	992.800	992.940	993.270	992.950	991.780	990.980	988.750	986.640	986.770	985.780
36	981.140	981.040	981.470	981.340	980.160	979.390	976.940	974.900	974.900	973.670
37	968.770	968.840	968.870	968.940	968.030	967.300	964.730	962.430	962.050	961.160
38	955.710	955.870	956.070	956.220	955.530	954.170	951.930	949.530	949.330	948.230
39	941.730	941.550	942.260	942.290	941.880	940.420	937.810	935.510	935.130	934.410
40	926.990	926.130	927.470	927.560	927.260	925.630	922.740	920.830	920.720	919.620
41	911.690	910.010	911.220	911.520	911.600	909.920	906.600	905.210	905.360	904.400
42	895.410	892.620	893.680	894.020	893.880	893.440	889.240	888.610	889.760	887.970
43	878.700	875.130	875.390	876.190	875.710	876.220	871.520	871.780	872.530	869.640
44	860.310	856.230	855.380	856.490	856.380	857.460	852.970	852.780	853.580	849.470
45	840.470	836.030	834.960	836.090	836.380	836.980	833.450	832.600	832.020	827.210
46	818.460	814.630	813.190	814.710	815.950	815.860	812.500	810.690	808.130	802.790
47	795.740	792.280	791.040	792.380	793.660	792.650	791.120	787.520	783.250	778.070
48	771.560	769.500	769.100	769.610	771.150	769.890	768.890	764.000	756.820	751.840
49	746.350	746.430	746.790	746.710	747.030	746.320	746.690	739.540	729.830	725.520
50	720.080	724.030	724.330	723.720	722.330	720.920	724.690	714.420	703.330	700.210
51	693.140	700.430	703.070	699.500	697.660	695.850	701.560	689.270	678.320	675.910
52	667.990	678.060	681.100	676.220	672.720	671.500	677.730	666.360	655.120	653.050
53	644.520	655.850	658.210	651.920	647.690	648.260	652.620	643.850	633.240	630.270

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PHOTOMETRIC FILENAME : HZX-EX-S1-20W-5000K-D120.IES

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54	621.800	634.340	634.690	627.730	623.300	625.540	627.400	622.020	611.850	607.060
55	599.760	613.100	610.580	604.880	600.590	604.020	602.120	600.410	591.220	583.340
56	577.570	591.060	586.130	580.850	578.700	582.870	576.540	576.900	570.680	560.070
57	556.360	567.350	563.060	557.420	556.250	560.530	551.540	553.640	549.280	537.250
58	535.850	542.490	539.780	533.900	534.060	538.300	527.630	529.990	527.540	515.290
59	516.150	516.940	517.170	511.460	511.990	515.380	504.190	507.120	505.640	493.880
60	495.550	491.440	494.110	489.340	489.600	491.560	481.100	483.810	482.670	471.920
61	474.350	467.180	471.160	467.620	467.630	467.280	458.470	460.840	460.660	449.220
62	451.910	444.490	448.090	447.240	445.680	443.420	436.820	437.070	436.550	426.990
63	427.480	422.470	424.290	425.790	424.310	419.760	415.020	412.700	411.900	403.790
64	401.950	401.050	400.670	404.120	402.220	395.710	390.680	387.790	386.860	381.870
65	373.170	379.240	376.200	381.000	378.980	370.910	364.960	362.840	359.320	358.210
66	344.140	352.930	348.890	353.600	351.820	342.910	338.730	333.420	328.340	331.480
67	316.150	323.010	319.460	324.280	322.760	313.170	311.410	300.570	299.970	301.070
68	287.440	293.160	292.100	294.460	293.870	283.690	284.530	272.760	273.040	272.350
69	262.010	264.370	265.750	268.320	268.440	260.210	259.710	248.810	248.420	247.800
70	238.870	239.610	240.410	243.450	244.370	236.140	233.480	226.400	223.780	222.310
71	215.380	217.840	218.810	216.410	216.770	211.100	210.080	205.620	200.010	197.110
72	191.910	194.200	195.910	190.470	189.080	188.300	184.430	183.710	179.270	176.710
73	168.710	170.340	172.390	170.020	168.090	164.210	163.090	161.460	158.430	152.830
74	147.510	146.120	151.560	146.090	144.810	140.180	142.160	137.220	135.210	127.780
75	124.460	126.650	129.330	125.870	118.530	119.010	118.130	116.190	112.140	112.070
76	107.550	104.720	108.350	104.850	99.361	101.060	95.911	94.985	96.048	95.753
77	91.307	88.758	91.890	88.905	83.663	84.953	81.792	79.099	80.500	78.168
78	75.075	72.803	75.570	73.082	68.041	68.886	67.955	63.261	64.961	60.579
79	58.843	56.848	59.251	57.259	52.418	52.819	54.119	48.967	49.422	46.950
80	43.085	42.756	44.349	45.049	39.025	39.523	40.840	38.595	36.667	35.532
81	33.352	32.943	33.644	32.376	29.152	27.412	29.181	27.708	27.722	26.741
82	23.055	23.530	23.241	23.478	20.231	20.298	20.385	18.221	18.867	18.249
83	16.127	16.424	16.045	16.095	14.470	14.685	13.827	12.813	12.643	11.986
84	10.300	10.792	10.914	10.193	9.757	9.602	11.010	10.293	10.096	9.619
85	8.109	8.388	8.755	7.930	7.740	7.589	8.199	7.793	7.627	7.259
86	5.933	6.052	6.683	5.765	5.764	5.640	5.388	5.293	5.159	4.900
87	4.713	4.561	4.611	4.469	4.337	4.249	4.144	3.922	3.821	3.656
88	3.265	3.091	3.071	2.964	2.770	2.574	2.366	2.106	1.851	1.569
89	0.860	0.848	0.799	0.745	0.666	0.579	0.510	0.448	0.409	0.354
90	0.233	0.235	0.243	0.201	0.196	0.191	0.167	0.166	0.169	0.151
91	0.153	0.162	0.169	0.144	0.150	0.154	0.135	0.137	0.139	0.125
92	0.119	0.116	0.126	0.119	0.117	0.121	0.117	0.114	0.120	0.118
93	0.114	0.107	0.112	0.116	0.110	0.112	0.116	0.112	0.116	0.120
94	0.115	0.108	0.110	0.115	0.111	0.114	0.116	0.114	0.117	0.115
95	0.102	0.102	0.108	0.114	0.115	0.114	0.117	0.119	0.119	0.116
96	0.108	0.108	0.110	0.116	0.119	0.118	0.119	0.122	0.121	0.118
97	0.114	0.114	0.116	0.119	0.123	0.123	0.124	0.127	0.125	0.123
98	0.121	0.123	0.122	0.124	0.126	0.129	0.130	0.132	0.130	0.129
99	0.131	0.130	0.129	0.130	0.133	0.134	0.137	0.137	0.135	0.136
100	0.137	0.135	0.137	0.136	0.138	0.140	0.142	0.143	0.143	0.144
101	0.143	0.142	0.144	0.143	0.145	0.145	0.147	0.150	0.150	0.151
102	0.150	0.149	0.150	0.151	0.153	0.152	0.155	0.157	0.158	0.160
103	0.156	0.155	0.156	0.157	0.160	0.158	0.161	0.164	0.165	0.167
104	0.162	0.161	0.163	0.164	0.166	0.166	0.168	0.171	0.172	0.175
105	0.169	0.168	0.168	0.171	0.172	0.172	0.174	0.177	0.179	0.181
106	0.175	0.174	0.174	0.177	0.178	0.180	0.182	0.184	0.187	0.188
107	0.180	0.180	0.179	0.184	0.185	0.187	0.187	0.192	0.195	0.196
108	0.188	0.188	0.186	0.191	0.192	0.194	0.196	0.199	0.204	0.205
109	0.196	0.195	0.192	0.197	0.201	0.201	0.206	0.208	0.213	0.213

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PHOTOMETRIC FILENAME : HZX-EX-S1-20W-5000K-D120.IES

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110	0.204	0.203	0.200	0.205	0.209	0.210	0.214	0.217	0.224	0.224
111	0.213	0.212	0.207	0.214	0.219	0.219	0.225	0.226	0.233	0.234
112	0.222	0.221	0.216	0.222	0.230	0.228	0.235	0.237	0.245	0.245
113	0.232	0.231	0.225	0.232	0.241	0.239	0.247	0.248	0.257	0.256
114	0.243	0.242	0.235	0.242	0.252	0.251	0.259	0.261	0.270	0.269
115	0.255	0.253	0.246	0.254	0.264	0.263	0.271	0.276	0.283	0.282
116	0.269	0.265	0.257	0.263	0.277	0.276	0.284	0.289	0.296	0.294
117	0.285	0.279	0.269	0.275	0.291	0.290	0.298	0.303	0.311	0.307
118	0.302	0.291	0.282	0.288	0.301	0.304	0.312	0.317	0.323	0.320
119	0.318	0.302	0.297	0.302	0.313	0.318	0.326	0.332	0.337	0.335
120	0.333	0.315	0.313	0.316	0.326	0.333	0.340	0.346	0.351	0.349
121	0.349	0.331	0.326	0.332	0.341	0.347	0.354	0.359	0.364	0.363
122	0.365	0.349	0.342	0.348	0.357	0.361	0.368	0.374	0.378	0.377
123	0.382	0.369	0.358	0.363	0.374	0.375	0.382	0.385	0.393	0.393
124	0.402	0.388	0.374	0.380	0.391	0.389	0.398	0.400	0.405	0.411
125	0.420	0.405	0.390	0.397	0.409	0.403	0.411	0.415	0.420	0.428
126	0.436	0.420	0.407	0.413	0.427	0.418	0.424	0.428	0.434	0.446
127	0.451	0.435	0.424	0.430	0.445	0.433	0.440	0.444	0.449	0.461
128	0.467	0.454	0.441	0.444	0.465	0.446	0.455	0.459	0.467	0.475
129	0.484	0.474	0.457	0.457	0.485	0.460	0.471	0.474	0.485	0.489
130	0.502	0.492	0.474	0.469	0.506	0.474	0.485	0.490	0.504	0.504
131	0.519	0.511	0.493	0.484	0.526	0.491	0.502	0.511	0.524	0.519
132	0.535	0.530	0.515	0.501	0.545	0.512	0.522	0.533	0.539	0.535
133	0.551	0.549	0.537	0.522	0.560	0.535	0.546	0.556	0.553	0.552
134	0.568	0.567	0.558	0.538	0.574	0.558	0.568	0.576	0.569	0.569
135	0.584	0.581	0.575	0.549	0.585	0.576	0.587	0.589	0.582	0.584
136	0.600	0.594	0.591	0.563	0.595	0.594	0.599	0.603	0.598	0.600
137	0.615	0.609	0.607	0.580	0.609	0.612	0.612	0.614	0.614	0.616
138	0.629	0.625	0.626	0.603	0.622	0.630	0.628	0.629	0.628	0.635
139	0.646	0.643	0.643	0.628	0.635	0.651	0.644	0.644	0.643	0.652
140	0.662	0.661	0.656	0.650	0.648	0.670	0.658	0.661	0.657	0.668
141	0.679	0.676	0.667	0.668	0.662	0.688	0.675	0.676	0.672	0.684
142	0.694	0.692	0.684	0.686	0.680	0.707	0.692	0.694	0.689	0.697
143	0.709	0.709	0.701	0.701	0.703	0.725	0.710	0.711	0.709	0.710
144	0.721	0.725	0.719	0.712	0.727	0.742	0.725	0.730	0.730	0.721
145	0.731	0.742	0.735	0.724	0.749	0.759	0.741	0.749	0.750	0.733
146	0.744	0.759	0.749	0.736	0.768	0.775	0.760	0.767	0.767	0.747
147	0.756	0.776	0.766	0.752	0.786	0.791	0.779	0.787	0.783	0.761
148	0.766	0.791	0.785	0.771	0.800	0.803	0.795	0.802	0.791	0.773
149	0.778	0.803	0.805	0.787	0.805	0.811	0.805	0.814	0.798	0.785
150	0.792	0.818	0.822	0.800	0.808	0.816	0.814	0.822	0.808	0.799
151	0.809	0.837	0.840	0.814	0.816	0.822	0.821	0.831	0.821	0.814
152	0.829	0.860	0.861	0.829	0.827	0.831	0.830	0.842	0.837	0.830
153	0.848	0.880	0.886	0.843	0.840	0.845	0.839	0.856	0.854	0.846
154	0.868	0.901	0.911	0.859	0.857	0.864	0.852	0.870	0.871	0.863
155	0.885	0.922	0.936	0.875	0.876	0.883	0.865	0.885	0.890	0.880
156	0.901	0.942	0.960	0.891	0.891	0.899	0.878	0.902	0.908	0.897
157	0.921	0.961	0.979	0.904	0.901	0.909	0.888	0.918	0.924	0.914
158	0.940	0.978	0.995	0.918	0.909	0.916	0.892	0.930	0.937	0.931
159	0.962	0.993	1.008	0.931	0.918	0.920	0.890	0.943	0.947	0.948
160	0.983	1.008	1.018	0.948	0.926	0.927	0.889	0.957	0.959	0.968
161	0.996	1.020	1.026	0.967	0.934	0.935	0.893	0.969	0.971	0.990
162	1.000	1.028	1.040	0.989	0.949	0.941	0.901	0.981	0.986	1.010
163	1.004	1.042	1.059	1.008	0.966	0.951	0.918	0.994	1.003	1.027
164	1.014	1.057	1.072	1.024	0.980	0.962	0.941	1.004	1.019	1.039
165	1.028	1.074	1.080	1.037	0.992	0.977	0.958	1.013	1.033	1.043

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HZX-EX-S1-20W-5000K-D120.IES

CANDELA TABULATION - (Cont.)

166	1.042	1.090	1.094	1.052	1.006	0.995	0.979	1.027	1.049	1.054
167	1.062	1.103	1.107	1.070	1.021	1.012	0.992	1.038	1.064	1.060
168	1.075	1.113	1.122	1.086	1.033	1.025	0.999	1.048	1.071	1.065
169	1.087	1.125	1.132	1.101	1.044	1.035	1.011	1.054	1.075	1.063
170	1.095	1.133	1.140	1.112	1.054	1.038	1.022	1.055	1.072	1.063
171	1.101	1.139	1.143	1.119	1.065	1.044	1.030	1.049	1.067	1.065
172	1.113	1.150	1.152	1.135	1.075	1.057	1.037	1.050	1.078	1.076
173	1.136	1.173	1.172	1.163	1.086	1.080	1.051	1.068	1.100	1.097
174	1.174	1.212	1.212	1.202	1.129	1.113	1.068	1.100	1.134	1.137
175	1.220	1.259	1.261	1.244	1.171	1.139	1.106	1.134	1.167	1.179
176	1.252	1.286	1.288	1.271	1.194	1.164	1.134	1.160	1.194	1.203
177	1.270	1.305	1.306	1.291	1.216	1.199	1.164	1.177	1.216	1.220
178	1.283	1.318	1.320	1.308	1.240	1.221	1.179	1.193	1.224	1.231
179	1.296	1.335	1.329	1.319	1.271	1.240	1.208	1.208	1.228	1.241
180	1.310	1.310	1.310	1.310	1.310	1.310	1.310	1.310	1.310	1.310

Vert. Angles **Horizontal Angles**

	150	165	180	195	210	225	240	255	270	285
0	1176.400	1176.400	1176.400	1176.400	1176.400	1176.400	1176.400	1176.400	1176.400	1176.400
1	1176.500	1175.100	1175.600	1175.300	1175.300	1175.600	1175.800	1176.000	1176.100	1177.400
2	1176.000	1174.500	1175.100	1174.800	1174.800	1175.100	1175.300	1175.600	1175.700	1176.900
3	1175.400	1173.900	1174.500	1174.200	1174.200	1174.500	1174.700	1175.000	1175.100	1176.200
4	1174.600	1173.300	1173.700	1173.500	1173.400	1173.700	1173.900	1174.100	1174.400	1175.600
5	1173.500	1172.300	1172.700	1172.500	1172.400	1172.600	1172.900	1173.100	1173.300	1174.600
6	1172.200	1170.900	1171.500	1171.100	1171.200	1171.400	1171.600	1171.900	1172.100	1173.400
7	1170.600	1169.300	1170.100	1169.700	1169.700	1170.000	1170.100	1170.400	1170.600	1172.100
8	1168.800	1167.400	1168.500	1168.300	1168.200	1168.400	1168.700	1168.900	1169.100	1170.400
9	1166.600	1165.200	1166.600	1166.500	1166.500	1166.600	1167.000	1167.400	1167.400	1169.000
10	1164.100	1162.800	1164.100	1163.800	1163.700	1164.000	1164.500	1164.800	1165.000	1166.700
11	1161.200	1160.000	1160.800	1160.600	1160.400	1160.700	1161.300	1161.700	1161.800	1163.600
12	1158.000	1156.700	1157.600	1157.200	1157.100	1157.400	1158.000	1158.500	1158.600	1160.400
13	1154.500	1153.000	1154.100	1153.700	1153.500	1154.000	1154.500	1154.900	1155.200	1156.900
14	1150.600	1149.000	1150.200	1149.900	1149.700	1150.100	1150.700	1151.000	1151.400	1153.100
15	1146.400	1144.700	1146.000	1145.700	1145.600	1145.700	1146.500	1146.800	1147.400	1149.100
16	1141.500	1139.800	1141.300	1141.100	1140.900	1140.900	1142.000	1142.300	1143.000	1144.700
17	1136.500	1134.800	1136.400	1136.000	1136.000	1136.000	1137.000	1137.300	1138.100	1139.900
18	1131.100	1129.500	1131.100	1130.800	1130.700	1130.900	1131.600	1132.200	1132.800	1134.800
19	1125.500	1123.800	1125.500	1125.200	1125.200	1125.100	1126.000	1126.500	1127.500	1129.300
20	1119.500	1117.900	1119.500	1119.400	1119.200	1119.300	1120.000	1120.900	1121.700	1123.700
21	1113.300	1111.700	1113.300	1113.100	1113.100	1113.100	1113.800	1114.600	1115.400	1117.400
22	1106.600	1104.900	1106.600	1106.200	1106.200	1106.600	1107.200	1107.800	1108.700	1111.000
23	1099.300	1097.900	1099.500	1099.200	1099.200	1099.800	1100.300	1100.900	1101.600	1103.900
24	1092.100	1090.600	1092.100	1091.800	1091.900	1092.500	1092.900	1093.600	1094.200	1096.700
25	1084.600	1082.800	1084.600	1084.100	1084.300	1084.900	1085.100	1085.700	1086.700	1089.100
26	1076.600	1074.600	1076.800	1076.200	1076.200	1077.100	1077.300	1077.900	1078.600	1081.000
27	1067.900	1066.000	1068.500	1067.900	1067.900	1068.800	1069.000	1069.500	1070.300	1072.900
28	1058.800	1057.000	1059.500	1059.000	1059.400	1059.900	1060.500	1060.800	1061.700	1064.000
29	1049.500	1047.700	1050.100	1049.900	1050.300	1050.800	1051.400	1051.700	1052.500	1055.200
30	1039.500	1037.700	1040.000	1040.100	1040.700	1041.000	1041.700	1042.200	1042.800	1045.500
31	1029.200	1027.500	1029.900	1029.900	1030.700	1030.900	1031.600	1032.100	1032.800	1035.500
32	1018.500	1016.800	1019.500	1019.500	1020.000	1020.500	1021.200	1021.900	1022.700	1025.100
33	1007.500	1006.000	1008.700	1008.500	1009.000	1009.700	1010.400	1011.200	1011.700	1014.400
34	995.950	994.410	997.530	997.200	997.470	998.570	999.170	999.970	1000.500	1003.400
35	984.050	982.510	985.890	985.480	985.550	986.850	987.620	988.350	989.030	991.590
36	971.940	970.370	973.930	973.130	973.270	974.870	975.540	976.470	977.310	979.970

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HZX-EX-S1-20W-5000K-D120.IES

CANDELA TABULATION - (Cont.)

37	958.810	957.330	961.060	960.520	959.780	961.940	962.300	964.010	964.790	967.350
38	945.030	943.490	948.140	947.040	945.890	947.690	948.580	949.960	951.440	954.850
39	930.510	928.930	933.460	932.130	930.810	932.370	934.090	935.140	937.450	940.600
40	915.280	913.150	917.390	915.900	915.000	916.140	917.860	918.840	922.200	925.040
41	899.430	896.220	899.700	898.520	897.820	898.480	900.520	901.640	905.610	908.170
42	883.620	878.670	880.950	880.300	879.620	880.450	882.510	883.840	887.860	889.370
43	866.280	859.330	860.580	860.630	859.140	861.600	862.180	865.290	868.760	870.430
44	846.100	838.340	839.070	840.060	837.140	841.740	840.740	845.180	847.890	849.880
45	824.100	816.470	815.280	817.110	814.380	820.170	818.440	822.900	825.660	829.480
46	800.120	793.580	791.150	792.840	791.460	797.020	795.650	800.340	803.250	806.910
47	775.020	768.930	766.750	767.200	767.550	772.600	772.340	777.120	778.340	783.240
48	749.560	743.990	741.470	741.350	743.910	747.440	749.360	753.350	754.650	759.050
49	722.970	717.660	716.980	715.920	719.520	722.860	725.660	730.200	729.730	734.400
50	696.610	692.020	693.510	690.540	695.080	698.540	701.820	706.630	705.480	710.420
51	671.010	667.510	671.270	667.010	671.820	674.370	679.660	681.850	682.340	687.600
52	647.150	643.710	650.240	643.870	649.760	650.880	657.630	657.960	660.170	664.270
53	624.090	619.790	629.520	622.570	627.170	628.800	636.060	634.720	638.880	641.920
54	602.300	596.790	606.940	602.200	602.980	608.160	613.140	612.090	617.330	619.590
55	579.570	574.860	583.300	581.930	578.860	588.050	590.060	590.040	595.670	596.620
56	556.790	553.480	560.150	561.770	554.960	567.150	567.550	567.820	572.900	574.920
57	533.630	532.210	536.440	540.410	532.110	544.500	544.640	544.990	549.260	552.840
58	510.780	510.250	513.630	518.010	510.610	521.070	522.340	522.510	525.560	530.290
59	487.780	487.870	490.880	495.200	489.670	496.870	498.760	500.390	502.340	506.450
60	464.780	464.400	468.900	472.360	469.400	472.130	475.030	477.940	479.500	482.070
61	441.790	441.020	447.000	449.670	448.930	448.650	451.880	455.280	458.390	458.990
62	419.230	417.390	425.030	426.580	427.120	426.310	429.020	432.060	437.760	435.620
63	397.670	394.940	402.620	402.370	404.220	404.050	405.740	408.560	415.740	412.520
64	376.230	372.870	380.040	378.560	379.400	379.380	381.940	384.090	392.550	388.880
65	352.810	348.650	356.970	352.590	353.390	352.800	357.580	358.230	366.900	364.450
66	325.730	320.600	328.820	323.010	323.390	326.480	329.820	329.440	337.090	336.860
67	295.320	292.560	298.760	293.730	292.970	298.550	300.160	302.410	306.020	307.360
68	268.100	266.390	270.450	269.810	269.410	272.630	272.620	278.770	278.190	281.160
69	243.520	241.100	246.500	247.500	245.100	246.740	249.040	255.260	254.550	257.660
70	220.490	218.380	222.550	221.440	220.800	220.850	225.170	230.040	229.620	233.800
71	199.430	197.680	198.600	195.500	196.590	195.060	201.280	204.820	204.680	209.940
72	176.000	172.810	174.490	173.690	176.130	172.840	176.090	179.610	179.840	186.070
73	152.680	147.140	153.680	152.510	153.470	150.420	152.790	155.520	159.740	162.510
74	126.070	123.200	132.070	128.630	128.120	127.450	126.830	133.890	137.390	137.240
75	104.990	104.410	109.890	107.830	108.370	107.600	107.650	114.360	114.170	118.810
76	88.901	88.876	91.243	89.203	90.403	88.553	90.151	91.994	100.120	97.619
77	72.876	73.389	75.068	73.626	72.286	73.905	72.219	76.601	80.963	81.074
78	56.850	57.901	60.858	55.452	59.638	59.843	60.273	62.087	65.716	64.075
79	42.014	45.024	46.722	44.241	48.109	47.849	44.869	49.830	52.808	50.431
80	33.840	33.956	36.826	34.262	34.644	35.703	34.498	38.389	39.746	40.453
81	24.029	23.305	28.437	26.776	27.043	27.525	26.922	29.926	31.008	32.729
82	18.036	16.903	20.048	19.290	19.442	19.347	19.346	21.463	22.269	25.004
83	12.098	11.356	11.726	11.848	11.845	11.199	11.839	13.059	13.591	17.280
84	9.662	9.098	7.863	7.968	7.852	7.585	8.203	8.592	8.992	9.617
85	7.233	6.854	6.032	6.161	6.090	5.963	6.212	6.395	6.390	6.927
86	4.804	4.611	4.789	4.765	4.769	4.781	4.917	5.072	5.138	5.591
87	3.453	3.283	3.551	3.413	3.428	3.573	3.609	3.791	3.961	4.244
88	1.357	1.230	1.640	1.635	1.680	1.785	1.886	2.111	2.405	2.691
89	0.323	0.306	0.418	0.420	0.444	0.456	0.490	0.548	0.588	0.688
90	0.151	0.160	0.232	0.236	0.250	0.240	0.242	0.259	0.243	0.264
91	0.119	0.125	0.215	0.215	0.225	0.220	0.220	0.237	0.228	0.237
92	0.110	0.113	0.213	0.210	0.217	0.215	0.209	0.216	0.213	0.209

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HZX-EX-S1-20W-5000K-D120.IES

CANDELA TABULATION - (Cont.)

93	0.104	0.113	0.224	0.218	0.220	0.224	0.216	0.218	0.221	0.211
94	0.107	0.104	0.230	0.228	0.229	0.230	0.228	0.228	0.228	0.222
95	0.109	0.108	0.231	0.233	0.236	0.241	0.239	0.239	0.235	0.234
96	0.116	0.115	0.245	0.247	0.248	0.251	0.252	0.250	0.246	0.246
97	0.124	0.123	0.260	0.261	0.261	0.263	0.265	0.263	0.259	0.259
98	0.131	0.131	0.277	0.277	0.276	0.278	0.277	0.276	0.273	0.272
99	0.139	0.137	0.291	0.291	0.292	0.290	0.291	0.290	0.286	0.285
100	0.146	0.144	0.305	0.305	0.306	0.305	0.304	0.305	0.300	0.299
101	0.154	0.151	0.318	0.319	0.319	0.318	0.318	0.317	0.313	0.312
102	0.161	0.158	0.331	0.331	0.333	0.333	0.331	0.330	0.327	0.325
103	0.168	0.165	0.344	0.343	0.345	0.346	0.345	0.344	0.341	0.340
104	0.174	0.172	0.357	0.357	0.358	0.359	0.359	0.357	0.354	0.353
105	0.181	0.178	0.368	0.367	0.367	0.369	0.369	0.367	0.366	0.363
106	0.189	0.185	0.376	0.376	0.375	0.377	0.379	0.375	0.375	0.372
107	0.196	0.194	0.384	0.383	0.381	0.385	0.386	0.383	0.384	0.381
108	0.205	0.201	0.391	0.390	0.390	0.394	0.393	0.391	0.391	0.390
109	0.214	0.210	0.398	0.395	0.397	0.402	0.401	0.398	0.400	0.398
110	0.225	0.219	0.402	0.401	0.405	0.409	0.408	0.406	0.408	0.406
111	0.234	0.228	0.408	0.408	0.413	0.418	0.416	0.414	0.417	0.414
112	0.245	0.238	0.415	0.417	0.422	0.428	0.426	0.423	0.426	0.425
113	0.255	0.247	0.424	0.426	0.432	0.439	0.436	0.434	0.437	0.436
114	0.266	0.259	0.435	0.437	0.443	0.451	0.447	0.446	0.449	0.448
115	0.278	0.272	0.449	0.451	0.455	0.463	0.460	0.460	0.463	0.460
116	0.291	0.285	0.466	0.466	0.469	0.476	0.474	0.475	0.476	0.475
117	0.305	0.299	0.484	0.482	0.484	0.492	0.489	0.489	0.491	0.489
118	0.319	0.313	0.502	0.502	0.502	0.509	0.505	0.506	0.508	0.505
119	0.334	0.327	0.528	0.524	0.523	0.529	0.523	0.525	0.526	0.524
120	0.350	0.342	0.552	0.547	0.545	0.550	0.542	0.544	0.546	0.543
121	0.365	0.357	0.573	0.569	0.566	0.572	0.563	0.565	0.568	0.564
122	0.379	0.373	0.596	0.593	0.589	0.595	0.588	0.589	0.590	0.586
123	0.395	0.391	0.619	0.619	0.612	0.620	0.614	0.613	0.616	0.608
124	0.408	0.407	0.646	0.644	0.637	0.647	0.642	0.642	0.642	0.635
125	0.424	0.422	0.671	0.669	0.664	0.675	0.671	0.673	0.670	0.666
126	0.440	0.438	0.693	0.695	0.691	0.707	0.699	0.706	0.695	0.695
127	0.457	0.457	0.715	0.721	0.719	0.736	0.729	0.736	0.726	0.722
128	0.474	0.474	0.743	0.748	0.748	0.763	0.758	0.766	0.759	0.747
129	0.494	0.492	0.771	0.776	0.779	0.789	0.790	0.797	0.789	0.774
130	0.514	0.507	0.798	0.808	0.809	0.816	0.822	0.826	0.819	0.802
131	0.533	0.525	0.823	0.834	0.839	0.845	0.853	0.856	0.847	0.834
132	0.552	0.543	0.844	0.856	0.865	0.869	0.879	0.885	0.878	0.864
133	0.570	0.564	0.867	0.876	0.887	0.894	0.900	0.912	0.905	0.890
134	0.586	0.584	0.883	0.895	0.909	0.917	0.920	0.938	0.933	0.909
135	0.598	0.601	0.896	0.914	0.928	0.941	0.942	0.957	0.954	0.924
136	0.609	0.616	0.909	0.932	0.946	0.967	0.964	0.974	0.970	0.938
137	0.621	0.631	0.926	0.949	0.963	0.989	0.987	0.991	0.986	0.951
138	0.634	0.647	0.943	0.970	0.979	1.012	1.009	1.010	1.002	0.966
139	0.645	0.662	0.962	0.988	0.997	1.035	1.034	1.032	1.018	0.984
140	0.657	0.674	0.985	1.007	1.015	1.060	1.057	1.053	1.036	1.002
141	0.668	0.686	1.003	1.024	1.035	1.082	1.082	1.075	1.056	1.022
142	0.680	0.697	1.024	1.044	1.057	1.105	1.107	1.102	1.076	1.045
143	0.694	0.708	1.048	1.067	1.078	1.127	1.134	1.130	1.100	1.073
144	0.707	0.719	1.068	1.087	1.100	1.146	1.161	1.156	1.126	1.098
145	0.719	0.730	1.087	1.105	1.123	1.165	1.187	1.182	1.152	1.122
146	0.730	0.739	1.106	1.127	1.145	1.185	1.210	1.208	1.181	1.149
147	0.741	0.747	1.125	1.151	1.164	1.206	1.231	1.236	1.206	1.181
148	0.750	0.756	1.150	1.174	1.183	1.226	1.248	1.257	1.229	1.209

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HZX-EX-S1-20W-5000K-D120.IES

CANDELA TABULATION - (Cont.)

149	0.759	0.766	1.173	1.194	1.201	1.248	1.267	1.278	1.248	1.232
150	0.772	0.774	1.197	1.216	1.221	1.273	1.284	1.298	1.268	1.253
151	0.790	0.785	1.221	1.233	1.243	1.295	1.305	1.318	1.285	1.276
152	0.813	0.799	1.246	1.250	1.276	1.317	1.328	1.338	1.303	1.297
153	0.840	0.812	1.267	1.268	1.309	1.336	1.349	1.358	1.328	1.321
154	0.867	0.826	1.286	1.288	1.343	1.357	1.371	1.380	1.345	1.342
155	0.896	0.847	1.305	1.314	1.374	1.378	1.390	1.398	1.366	1.364
156	0.921	0.873	1.333	1.345	1.403	1.397	1.407	1.413	1.381	1.382
157	0.936	0.899	1.366	1.377	1.424	1.421	1.425	1.427	1.401	1.396
158	0.948	0.923	1.400	1.407	1.435	1.446	1.441	1.441	1.414	1.402
159	0.955	0.938	1.425	1.426	1.443	1.469	1.455	1.453	1.421	1.404
160	0.963	0.949	1.439	1.437	1.450	1.488	1.469	1.468	1.429	1.408
161	0.976	0.959	1.447	1.449	1.454	1.502	1.482	1.480	1.434	1.412
162	0.990	0.968	1.456	1.459	1.460	1.509	1.492	1.486	1.437	1.411
163	1.003	0.986	1.461	1.464	1.469	1.509	1.501	1.487	1.441	1.416
164	1.012	1.003	1.463	1.468	1.478	1.509	1.508	1.487	1.447	1.423
165	1.020	1.017	1.463	1.469	1.487	1.509	1.517	1.489	1.451	1.434
166	1.034	1.036	1.464	1.475	1.498	1.508	1.520	1.497	1.455	1.443
167	1.043	1.052	1.472	1.479	1.506	1.505	1.518	1.500	1.450	1.444
168	1.051	1.065	1.468	1.476	1.500	1.501	1.510	1.492	1.436	1.426
169	1.059	1.075	1.463	1.468	1.490	1.494	1.494	1.480	1.418	1.402
170	1.060	1.077	1.454	1.458	1.478	1.484	1.479	1.461	1.401	1.381
171	1.062	1.081	1.440	1.443	1.465	1.473	1.467	1.444	1.387	1.361
172	1.071	1.093	1.433	1.436	1.458	1.465	1.457	1.435	1.377	1.342
173	1.095	1.116	1.428	1.432	1.453	1.459	1.442	1.422	1.369	1.328
174	1.135	1.155	1.423	1.424	1.450	1.452	1.427	1.412	1.361	1.317
175	1.184	1.203	1.415	1.417	1.444	1.441	1.414	1.398	1.349	1.305
176	1.216	1.241	1.395	1.398	1.423	1.418	1.395	1.377	1.338	1.284
177	1.238	1.256	1.376	1.376	1.398	1.395	1.376	1.356	1.313	1.272
178	1.249	1.272	1.347	1.348	1.369	1.366	1.349	1.328	1.284	1.263
179	1.261	1.285	1.330	1.331	1.355	1.350	1.335	1.309	1.272	1.265
180	1.310	1.310	1.310	1.310	1.310	1.310	1.310	1.310	1.310	1.310

Vert. Horizontal Angles

	<u>300</u>	<u>315</u>	<u>330</u>	<u>345</u>	<u>360</u>
0	1176.400	1176.400	1176.400	1176.400	1176.400
1	1177.100	1177.300	1176.800	1175.500	1175.700
2	1176.600	1176.800	1176.300	1175.100	1175.300
3	1176.000	1176.100	1175.800	1174.400	1174.700
4	1175.400	1175.400	1174.800	1173.700	1174.000
5	1174.400	1174.500	1173.900	1172.800	1173.000
6	1173.300	1173.200	1172.800	1171.700	1171.800
7	1171.900	1172.100	1171.600	1170.400	1170.300
8	1170.300	1170.400	1170.200	1168.900	1168.800
9	1168.800	1169.000	1168.600	1167.500	1166.900
10	1166.700	1167.000	1166.800	1165.500	1164.700
11	1163.700	1164.100	1164.000	1162.600	1162.200
12	1160.500	1160.800	1160.600	1159.400	1159.400
13	1157.200	1157.500	1157.300	1156.100	1156.000
14	1153.400	1153.800	1153.600	1152.500	1152.400
15	1149.400	1149.700	1149.600	1148.700	1148.500
16	1145.100	1145.300	1145.300	1144.400	1144.100
17	1140.200	1140.500	1140.700	1139.700	1139.500
18	1135.000	1135.400	1135.500	1134.800	1134.500
19	1129.600	1129.900	1130.000	1129.600	1129.100

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HZX-EX-S1-20W-5000K-D120.IES

CANDELA TABULATION - (Cont.)

20	1123.900	1124.300	1124.200	1123.900	1123.300
21	1117.800	1118.200	1118.000	1117.900	1117.400
22	1111.300	1111.700	1111.600	1111.600	1110.900
23	1104.400	1104.800	1104.600	1104.700	1104.100
24	1097.000	1097.500	1097.700	1097.600	1097.000
25	1089.600	1089.900	1090.400	1090.100	1089.300
26	1081.600	1081.800	1082.500	1082.100	1081.400
27	1073.600	1073.500	1074.200	1074.000	1073.200
28	1064.900	1065.000	1065.800	1065.700	1064.700
29	1055.900	1056.200	1057.000	1056.700	1055.800
30	1046.600	1047.100	1047.600	1047.500	1046.300
31	1036.700	1037.100	1037.600	1037.600	1036.400
32	1026.500	1026.900	1027.400	1027.400	1026.100
33	1015.800	1015.900	1016.800	1016.500	1015.400
34	1004.500	1004.900	1005.800	1005.300	1004.200
35	992.890	993.370	994.510	993.730	992.800
36	980.730	981.710	982.850	982.180	981.140
37	967.960	969.200	970.630	970.130	968.770
38	954.210	955.750	958.160	957.630	955.710
39	940.330	942.100	944.620	944.490	941.730
40	925.320	927.030	930.340	930.390	926.990
41	909.650	911.510	915.140	915.530	911.690
42	892.440	895.450	898.890	900.030	895.410
43	874.100	878.610	881.240	882.590	878.700
44	854.090	861.070	861.840	863.830	860.310
45	831.940	841.620	840.620	842.220	840.470
46	809.620	820.300	817.710	819.710	818.460
47	786.220	797.220	793.920	795.670	795.740
48	762.930	772.450	769.710	770.490	771.560
49	738.990	746.720	744.740	744.660	746.350
50	714.190	719.080	720.120	718.700	720.080
51	690.410	691.220	695.830	693.610	693.140
52	668.050	664.410	673.530	670.600	667.990
53	646.820	639.350	651.440	649.090	644.520
54	624.430	615.930	629.400	628.000	621.800
55	601.070	594.280	606.380	606.470	599.760
56	577.280	573.020	582.430	584.770	577.570
57	552.870	553.340	558.270	562.900	556.360
58	528.770	534.100	534.360	540.700	535.850
59	503.910	514.180	511.030	517.320	516.150
60	479.300	493.040	487.450	492.910	495.550
61	455.630	470.620	464.760	468.640	474.350
62	433.060	447.200	442.640	445.130	451.910
63	411.130	423.110	421.090	422.140	427.480
64	389.410	398.810	399.850	400.280	401.950
65	368.970	372.990	378.170	379.900	373.170
66	343.990	345.130	352.320	353.890	344.140
67	315.590	315.220	319.570	322.370	316.150
68	286.610	286.140	286.890	292.860	287.440
69	259.800	259.650	261.120	269.050	262.010
70	235.690	237.030	237.770	245.140	238.870
71	211.580	214.400	214.410	221.240	215.380
72	187.540	191.770	191.060	197.390	191.910
73	166.220	168.170	170.940	176.620	168.710
74	144.610	144.650	150.050	150.530	147.510
75	120.060	125.030	122.660	124.590	124.460

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HZX-EX-S1-20W-5000K-D120.IES

CANDELA TABULATION - (Cont.)

76	102.150	103.200	103.860	106.290	107.550
77	85.118	87.647	89.153	91.295	91.307
78	71.095	72.735	73.073	76.100	75.075
79	56.417	56.467	56.578	57.368	58.843
80	43.281	45.947	43.489	46.164	43.085
81	33.017	34.487	33.193	33.104	33.352
82	25.376	26.603	25.980	25.895	23.055
83	17.734	18.719	18.767	18.685	16.127
84	10.112	10.909	11.595	11.556	10.300
85	7.155	7.220	7.757	7.876	8.109
86	5.774	5.809	6.197	6.259	5.933
87	4.404	4.575	4.794	4.912	4.713
88	2.937	3.182	3.338	3.472	3.265
89	0.811	0.969	1.173	1.306	0.860
90	0.305	0.315	0.341	0.380	0.233
91	0.257	0.243	0.246	0.260	0.153
92	0.223	0.218	0.213	0.223	0.119
93	0.218	0.219	0.208	0.212	0.114
94	0.224	0.226	0.216	0.217	0.115
95	0.231	0.230	0.219	0.214	0.102
96	0.243	0.236	0.230	0.227	0.108
97	0.256	0.249	0.245	0.241	0.114
98	0.268	0.262	0.261	0.258	0.121
99	0.281	0.276	0.275	0.273	0.131
100	0.296	0.290	0.289	0.286	0.137
101	0.309	0.305	0.303	0.298	0.143
102	0.322	0.319	0.315	0.310	0.150
103	0.337	0.334	0.327	0.323	0.156
104	0.350	0.347	0.342	0.337	0.162
105	0.360	0.357	0.351	0.347	0.169
106	0.370	0.366	0.360	0.355	0.175
107	0.378	0.373	0.370	0.364	0.180
108	0.386	0.380	0.379	0.371	0.188
109	0.393	0.387	0.386	0.378	0.196
110	0.400	0.393	0.391	0.384	0.204
111	0.409	0.400	0.398	0.391	0.213
112	0.418	0.410	0.406	0.398	0.222
113	0.429	0.419	0.413	0.406	0.232
114	0.441	0.431	0.424	0.415	0.243
115	0.454	0.444	0.436	0.428	0.255
116	0.467	0.459	0.450	0.445	0.269
117	0.481	0.474	0.466	0.462	0.285
118	0.499	0.491	0.484	0.480	0.302
119	0.515	0.510	0.504	0.505	0.318
120	0.533	0.530	0.523	0.525	0.333
121	0.554	0.551	0.543	0.544	0.349
122	0.577	0.570	0.564	0.568	0.365
123	0.601	0.592	0.586	0.594	0.382
124	0.626	0.615	0.608	0.618	0.402
125	0.652	0.641	0.630	0.643	0.420
126	0.677	0.664	0.653	0.666	0.436
127	0.704	0.684	0.678	0.692	0.451
128	0.732	0.707	0.705	0.718	0.467
129	0.762	0.731	0.737	0.744	0.484
130	0.791	0.756	0.769	0.772	0.502
131	0.814	0.781	0.797	0.799	0.519

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HZX-EX-S1-20W-5000K-D120.IES

CANDELA TABULATION - (Cont.)

132	0.832	0.804	0.821	0.822	0.535
133	0.846	0.828	0.845	0.848	0.551
134	0.860	0.849	0.865	0.870	0.568
135	0.877	0.871	0.882	0.888	0.584
136	0.896	0.896	0.898	0.903	0.600
137	0.916	0.924	0.917	0.918	0.615
138	0.938	0.950	0.937	0.936	0.629
139	0.963	0.971	0.959	0.957	0.646
140	0.994	0.988	0.983	0.983	0.662
141	1.025	1.006	1.004	1.010	0.679
142	1.058	1.030	1.026	1.030	0.694
143	1.089	1.055	1.051	1.047	0.709
144	1.115	1.082	1.073	1.069	0.721
145	1.131	1.109	1.093	1.092	0.731
146	1.147	1.134	1.115	1.119	0.744
147	1.169	1.158	1.139	1.137	0.756
148	1.193	1.184	1.161	1.155	0.766
149	1.216	1.211	1.190	1.180	0.778
150	1.238	1.239	1.224	1.206	0.792
151	1.259	1.266	1.255	1.232	0.809
152	1.278	1.287	1.285	1.261	0.829
153	1.303	1.304	1.319	1.287	0.848
154	1.329	1.321	1.354	1.312	0.868
155	1.362	1.343	1.387	1.339	0.885
156	1.389	1.365	1.417	1.369	0.901
157	1.409	1.384	1.434	1.397	0.921
158	1.423	1.401	1.449	1.423	0.940
159	1.433	1.416	1.463	1.441	0.962
160	1.438	1.429	1.471	1.454	0.983
161	1.444	1.441	1.477	1.465	0.996
162	1.449	1.447	1.479	1.471	1.000
163	1.452	1.447	1.478	1.474	1.004
164	1.448	1.443	1.476	1.472	1.014
165	1.444	1.438	1.468	1.471	1.028
166	1.443	1.432	1.461	1.473	1.042
167	1.437	1.420	1.447	1.465	1.062
168	1.421	1.401	1.435	1.453	1.075
169	1.402	1.378	1.426	1.443	1.087
170	1.382	1.356	1.412	1.432	1.095
171	1.365	1.343	1.398	1.419	1.101
172	1.359	1.334	1.394	1.411	1.113
173	1.353	1.328	1.389	1.401	1.136
174	1.350	1.322	1.384	1.393	1.174
175	1.345	1.316	1.375	1.386	1.220
176	1.321	1.299	1.352	1.363	1.252
177	1.285	1.282	1.328	1.337	1.270
178	1.247	1.263	1.296	1.304	1.283
179	1.227	1.244	1.274	1.288	1.296
180	1.310	1.310	1.310	1.310	1.310

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HZX-EX-S1-20W-5000K-D120.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	435.90	N.A.	13.50
0-30	937.21	N.A.	29.10
0-40	1555.89	N.A.	48.20
0-60	2723.8	N.A.	84.40
0-80	3209.69	N.A.	99.50
0-90	3222.15	N.A.	99.90
10-90	3110.42	N.A.	96.40
20-40	1119.98	N.A.	34.70
20-50	1756.2	N.A.	54.40
40-70	1523.59	N.A.	47.20
60-80	485.89	N.A.	15.10
70-80	130.21	N.A.	4.00
80-90	12.46	N.A.	0.40
90-110	0.48	N.A.	0.00
90-120	0.84	N.A.	0.00
90-130	1.32	N.A.	0.00
90-150	2.48	N.A.	0.10
90-180	3.47	N.A.	0.10
110-180	2.99	N.A.	0.10
0-180	3225.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	111.73
10-20	324.17
20-30	501.30
30-40	618.68
40-50	636.22
50-60	531.70
60-70	355.68
70-80	130.21
80-90	12.46
90-100	0.20
100-110	0.28
110-120	0.36
120-130	0.48
130-140	0.58
140-150	0.58
150-160	0.52
160-170	0.35
170-180	0.12

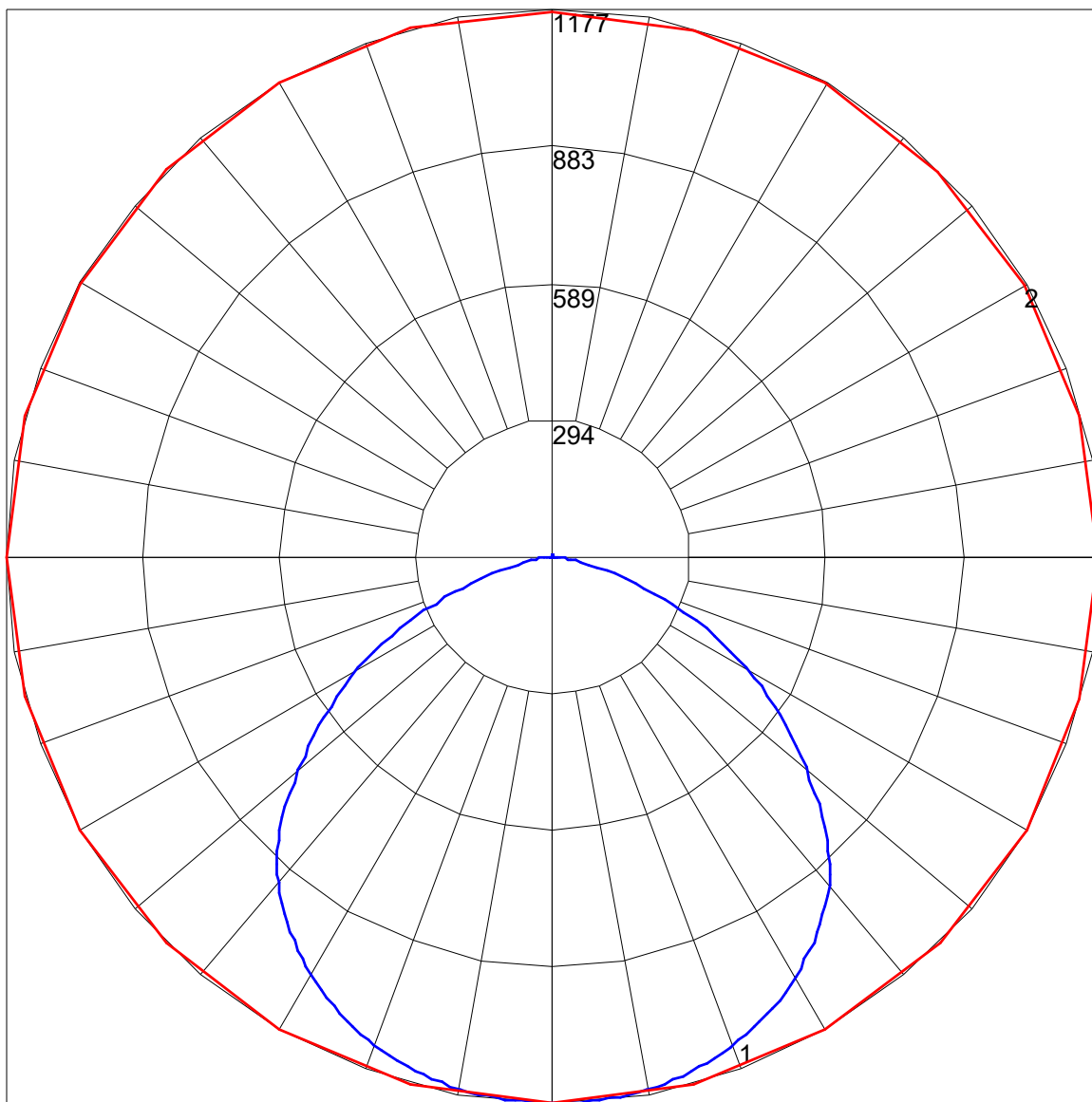
IES INDOOR REPORT
PHOTOMETRIC FILENAME : HZX-EX-S1-20W-5000K-D120.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62
4	84	73	64	58	82	71	64	58	69	62	57	67	61	56	64	59	55	53
5	78	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46
6	72	59	50	44	70	58	49	43	56	49	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29
10	54	41	33	28	53	40	33	28	39	33	28	39	32	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 1177.4 Located At Horizontal Angle = 285, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (285 - 105) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)