



IES INDOOR REPORT

PHOTOMETRIC FILENAME : HZX-EX-H2-20W-4000K-D120.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] HZX-EX-H2-20W-4000K-D120

[TESTLAB] Dongguan New Testing Centre Co., Ltd

[TESTDATE] 15 May 2023

[ISSUEDATE] 2023-05-15 19:34:52

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000_V2 SYSTEM

[MANUFAC] BELUCE CANADA INC.

[LUMINAIRE] HZX-EX-H2-20W-4000K-D120

[LUMCAT]] HZX-EX-H2-20W-4000K-D120

[LAMP] 3322 LUMENS

[_SEARCH_SOURCETYPE] LED

[BALLAST] 100-277VAc 50/60Hz

[TESTVOLTAGE] 120VAc 60Hz

[OTHER]

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

[OTHER] 0- 10 105.26 105.26 3.17 3.17

[OTHER] 10- 20 304.83 410.10 12.35 12.35

[OTHER] 20- 30 472.14 882.24 26.56 26.56

[OTHER] 30- 40 580.93 1463.17 44.05 44.05

[OTHER] 40- 50 629.81 2092.99 63.01 63.01

[OTHER] 50- 60 574.31 2667.29 80.30 80.30

[OTHER] 60- 70 440.47 3107.77 93.56 93.56

[OTHER] 70- 80 187.87 3295.63 99.21 99.21

[OTHER] 80- 90 19.18 3314.82 99.79 99.79

[OTHER] 90-100 2.75 3317.56 99.87 99.87

[OTHER] 100-110 1.61 3319.17 99.92 99.92

[OTHER] 110-120 0.70 3319.88 99.94 99.94

[OTHER] 120-130 0.48 3320.36 99.96 99.96

[OTHER] 130-140 0.43 3320.79 99.97 99.97

[OTHER] 140-150 0.40 3321.19 99.98 99.98

[OTHER] 150-160 0.32 3321.51 99.99 99.99

[OTHER] 160-170 0.21 3321.72 100.00 100.00

[OTHER] 170-180 0.07 3321.80 100.00 100.00

[OTHER]

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CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3322
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	165
Total Luminaire Watts	20.17
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.60 m
Luminous Width (90-270)	0.12 m
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	15737	15611	16380
55	14963	16169	15630
65	13513	14849	14631
75	9678	19926	656
85	4986	971	751

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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	1137.400	1137.400	1137.400	1137.400	1137.400	1137.400	1137.400	1137.400	1137.400	1137.400
1	1140.500	1136.700	1132.500	1128.400	1125.500	1124.100	1122.600	1122.100	1122.900	1124.700
2	1141.100	1133.400	1126.200	1120.400	1116.700	1113.500	1111.800	1111.200	1112.000	1113.700
3	1140.600	1128.700	1119.900	1113.400	1108.100	1104.900	1102.900	1102.200	1102.700	1105.600
4	1139.300	1124.000	1114.400	1106.000	1099.300	1093.900	1091.000	1091.000	1092.800	1096.400
5	1138.300	1117.500	1107.500	1097.600	1088.100	1080.500	1077.800	1077.500	1080.800	1086.800
6	1136.400	1111.900	1099.000	1086.700	1073.900	1069.200	1066.800	1065.500	1067.900	1076.600
7	1134.100	1107.200	1089.300	1072.700	1064.200	1061.100	1059.100	1057.600	1059.100	1067.100
8	1131.000	1100.600	1078.000	1060.000	1055.600	1056.600	1056.800	1054.200	1052.700	1059.700
9	1129.100	1094.900	1064.700	1049.800	1051.600	1062.500	1067.500	1062.500	1050.600	1052.600
10	1126.600	1087.000	1052.900	1040.700	1055.100	1081.700	1091.900	1081.600	1058.100	1047.300
11	1123.900	1080.200	1042.000	1033.900	1069.500	1104.600	1116.800	1105.900	1077.300	1045.900
12	1120.400	1074.000	1032.700	1033.000	1088.600	1122.000	1132.500	1123.900	1098.400	1051.100
13	1115.100	1067.500	1025.000	1040.900	1105.400	1132.600	1138.300	1133.600	1114.800	1060.300
14	1109.100	1059.200	1019.000	1057.300	1118.100	1131.000	1126.600	1130.500	1124.900	1072.800
15	1103.300	1048.800	1015.500	1077.400	1123.200	1112.800	1100.900	1111.800	1126.200	1086.000
16	1097.700	1039.800	1016.500	1094.000	1115.500	1087.900	1078.600	1087.200	1118.000	1098.700
17	1092.100	1031.100	1021.800	1104.900	1095.500	1066.700	1069.000	1071.400	1097.800	1106.900
18	1087.800	1023.900	1029.900	1110.900	1073.100	1059.000	1065.900	1065.200	1075.600	1108.400
19	1084.300	1017.900	1041.200	1106.400	1055.800	1058.100	1065.900	1064.100	1061.500	1101.900
20	1079.900	1010.500	1051.500	1090.800	1049.000	1057.000	1063.400	1062.700	1056.200	1087.400
21	1073.000	1003.500	1060.800	1068.500	1047.900	1053.300	1055.000	1054.900	1057.000	1067.300
22	1066.500	996.410	1067.100	1047.700	1046.600	1043.300	1043.400	1040.600	1055.500	1045.300
23	1058.900	988.280	1069.900	1034.500	1042.300	1035.200	1034.300	1027.000	1046.600	1032.600
24	1050.900	979.210	1071.100	1029.500	1031.300	1028.100	1028.100	1017.500	1031.700	1027.100
25	1040.500	968.430	1068.200	1025.500	1020.600	1022.900	1027.000	1013.300	1019.300	1024.800
26	1031.800	957.480	1058.800	1021.900	1010.600	1021.400	1031.600	1013.900	1009.200	1021.900
27	1022.900	947.650	1041.300	1013.900	1000.600	1023.700	1030.700	1019.300	1001.200	1016.800
28	1012.700	937.910	1020.000	1001.500	993.000	1020.500	1018.300	1019.300	995.270	1007.100
29	1001.500	927.090	996.360	987.450	992.780	1007.000	1001.800	1008.400	996.830	993.600
30	991.150	914.250	975.200	974.400	997.150	989.130	982.920	991.950	999.140	980.170
31	982.860	904.110	959.150	963.270	994.890	972.910	964.000	976.010	992.420	966.930
32	974.070	896.050	948.490	951.240	982.130	955.480	950.820	957.280	976.180	957.010
33	965.960	893.960	941.310	941.470	966.020	942.810	946.560	946.020	959.300	950.620
34	954.790	894.640	934.230	939.880	949.840	939.100	941.590	940.480	941.930	949.170
35	942.570	899.620	926.410	939.390	929.350	934.130	929.910	936.250	922.030	948.840
36	930.020	905.970	916.650	936.670	913.220	922.340	914.320	922.610	912.290	941.860
37	920.360	910.480	903.410	925.960	905.590	906.560	893.790	907.480	910.520	926.620
38	914.000	913.300	886.960	909.670	898.210	889.590	877.590	888.590	902.070	908.250
39	904.080	912.470	871.650	889.380	882.410	875.110	875.020	873.640	887.340	888.730
40	889.860	907.140	855.100	867.460	866.260	870.640	883.070	869.960	869.440	868.890
41	872.290	897.520	838.680	844.800	848.460	875.990	892.560	874.580	849.570	848.570
42	851.060	882.800	823.310	832.900	832.950	886.200	899.170	884.610	832.850	837.040
43	834.020	864.520	817.240	825.520	827.660	892.180	894.970	892.060	826.990	829.730
44	818.110	841.240	816.910	812.690	833.470	886.320	869.820	885.700	833.970	822.380
45	801.520	816.640	817.000	795.100	841.800	862.320	834.270	861.480	845.140	806.580
46	781.430	787.830	804.940	775.860	848.310	825.930	800.430	826.690	850.610	790.520
47	763.800	755.780	779.890	754.820	844.280	791.820	769.420	790.130	846.560	767.530
48	748.000	726.240	756.570	738.040	821.030	755.500	741.290	756.040	821.700	750.200
49	732.040	706.120	734.920	729.040	781.160	725.200	724.350	727.460	781.680	742.280
50	723.050	694.600	710.560	733.050	746.160	706.000	706.950	708.780	743.240	746.830
51	717.620	687.690	683.480	744.430	711.580	689.630	692.080	692.540	710.540	755.110
52	692.850	678.830	667.110	751.260	680.720	675.850	680.240	679.220	681.210	760.530
53	667.530	664.020	655.950	742.080	659.690	667.180	669.160	671.220	663.450	749.590

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CANDELA TABULATION - (Cont.)

54	640.580	640.500	638.940	709.830	639.220	653.240	656.190	657.300	645.580	719.140
55	618.200	617.190	614.810	668.030	621.700	638.250	645.770	642.300	627.270	679.600
56	603.320	594.040	590.840	623.060	610.030	624.170	635.110	627.080	614.610	636.910
57	585.510	570.610	566.290	585.590	597.870	609.980	620.570	616.240	600.260	598.620
58	565.520	542.700	546.570	559.290	586.970	596.320	599.820	603.010	587.550	573.250
59	543.350	515.720	545.420	541.660	573.770	576.470	574.110	582.880	577.800	554.850
60	521.540	499.120	557.570	524.350	558.110	551.430	544.630	556.340	568.320	536.430
61	493.420	486.580	568.000	511.610	538.960	522.050	508.310	525.940	551.160	522.540
62	471.170	477.310	564.570	496.070	514.950	486.040	472.280	492.350	525.500	506.510
63	458.490	469.550	533.020	480.420	487.320	450.670	447.360	453.940	492.320	490.390
64	437.600	455.870	485.740	466.250	453.810	427.040	443.130	430.520	455.840	477.010
65	411.360	423.930	434.240	452.030	416.640	423.940	445.380	431.570	417.060	464.080
66	384.400	394.130	397.620	434.420	383.520	424.220	433.690	435.730	389.100	449.190
67	361.540	366.000	375.070	407.600	372.950	410.230	415.700	421.110	386.140	424.570
68	337.000	339.220	353.600	373.540	374.340	391.380	441.570	396.840	392.630	383.030
69	320.350	325.860	337.640	333.990	365.130	454.370	510.740	468.200	380.780	335.410
70	289.230	308.850	324.840	299.190	350.900	500.190	451.130	497.920	362.170	302.690
71	268.440	281.930	311.990	287.880	435.940	386.110	245.430	380.130	446.280	301.100
72	259.950	253.790	294.630	291.520	454.730	122.310	167.120	133.120	462.600	311.170
73	225.180	240.180	263.480	277.830	276.550	82.075	91.622	91.804	280.690	294.150
74	210.580	267.280	235.110	349.420	44.384	47.354	16.128	52.551	62.466	353.760
75	180.420	260.430	197.200	371.470	25.951	12.633	12.225	13.298	36.964	369.130
76	173.130	202.400	168.810	159.630	13.225	11.198	10.933	11.420	13.844	174.820
77	154.700	156.460	175.660	110.200	11.110	10.318	10.154	10.474	11.543	119.440
78	133.610	129.070	218.820	60.885	10.129	9.454	9.383	9.547	10.439	65.733
79	107.180	119.920	220.950	11.566	9.165	8.591	8.612	8.620	9.350	12.029
80	93.183	113.690	63.142	9.361	8.201	8.065	8.153	8.029	8.261	9.976
81	79.392	96.166	36.806	8.210	7.628	7.799	7.943	7.699	7.628	8.786
82	65.600	78.548	13.400	7.461	7.385	7.550	7.730	7.500	7.319	7.596
83	50.484	60.930	10.846	7.077	7.061	7.121	6.998	7.032	7.113	7.084
84	40.084	54.874	9.140	6.760	6.362	5.607	5.486	5.585	6.351	6.874
85	31.302	17.845	7.436	6.098	4.947	4.698	4.713	4.745	5.027	6.128
86	23.816	13.521	6.795	4.966	4.295	4.093	4.094	4.146	4.410	5.032
87	18.742	12.149	6.433	4.280	3.599	3.370	3.349	3.420	3.718	4.357
88	17.732	10.816	6.035	3.510	2.794	2.570	2.544	2.631	2.926	3.593
89	21.063	9.483	5.073	2.971	2.382	2.230	2.222	2.261	2.473	3.023
90	16.767	7.879	4.244	2.658	2.135	2.005	2.004	2.037	2.219	2.719
91	14.340	8.188	3.965	2.437	1.909	1.805	1.809	1.827	1.982	2.414
92	14.475	9.883	4.269	2.275	1.687	1.615	1.617	1.636	1.750	2.131
93	15.041	8.931	3.766	2.048	1.496	1.444	1.452	1.457	1.534	1.704
94	15.938	7.534	1.727	1.724	1.349	1.309	1.317	1.317	1.317	1.244
95	9.852	1.144	0.320	1.158	1.173	1.190	1.205	1.194	1.160	0.902
96	5.034	0.218	0.161	0.834	1.013	1.073	1.097	1.081	1.017	0.190
97	0.230	0.168	0.168	0.204	0.856	0.968	0.993	0.953	0.456	0.216
98	0.181	0.178	0.880	0.178	0.308	0.705	0.750	0.472	0.182	0.386
99	1.103	2.307	1.560	0.263	0.176	0.217	0.248	0.176	0.212	0.524
100	7.741	4.651	1.508	0.396	0.194	0.175	0.174	0.182	0.261	0.547
101	10.303	4.274	1.365	0.438	0.223	0.186	0.183	0.193	0.318	0.560
102	9.363	3.907	1.257	0.421	0.234	0.195	0.193	0.202	0.317	0.515
103	8.338	3.499	1.157	0.398	0.234	0.204	0.202	0.211	0.349	0.504
104	7.098	3.172	1.032	0.379	0.231	0.211	0.212	0.219	0.320	0.495
105	6.472	2.662	0.957	0.361	0.228	0.222	0.220	0.247	0.302	0.478
106	5.514	2.446	0.897	0.348	0.232	0.215	0.227	0.223	0.301	0.467
107	4.573	2.249	0.865	0.340	0.239	0.222	0.219	0.229	0.301	0.465
108	3.951	1.928	0.818	0.350	0.246	0.231	0.234	0.237	0.300	0.463
109	3.462	1.870	0.759	0.337	0.254	0.239	0.242	0.244	0.300	0.455

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CANDELA TABULATION - (Cont.)

110	3.199	1.808	0.722	0.298	0.260	0.248	0.247	0.252	0.299	0.448
111	2.558	1.569	0.716	0.296	0.267	0.255	0.255	0.261	0.299	0.441
112	2.284	1.425	0.672	0.297	0.274	0.263	0.264	0.270	0.303	0.441
113	1.902	1.296	0.579	0.304	0.281	0.271	0.274	0.277	0.309	0.444
114	1.820	1.215	0.447	0.313	0.290	0.278	0.281	0.287	0.317	0.451
115	1.644	1.120	0.397	0.324	0.302	0.286	0.287	0.299	0.327	0.460
116	1.346	0.913	0.392	0.333	0.316	0.296	0.298	0.312	0.340	0.466
117	1.090	0.698	0.390	0.339	0.327	0.312	0.315	0.326	0.354	0.469
118	0.845	0.567	0.391	0.347	0.340	0.328	0.332	0.343	0.365	0.476
119	0.709	0.532	0.393	0.349	0.347	0.346	0.348	0.358	0.373	0.474
120	0.648	0.505	0.405	0.355	0.355	0.359	0.364	0.371	0.379	0.473
121	0.605	0.496	0.413	0.365	0.369	0.364	0.376	0.376	0.387	0.471
122	0.585	0.494	0.425	0.378	0.383	0.371	0.376	0.384	0.396	0.469
123	0.573	0.499	0.434	0.390	0.395	0.384	0.388	0.392	0.404	0.448
124	0.564	0.504	0.444	0.404	0.405	0.394	0.401	0.402	0.411	0.454
125	0.571	0.508	0.435	0.417	0.419	0.404	0.407	0.412	0.421	0.468
126	0.571	0.512	0.438	0.430	0.432	0.414	0.417	0.421	0.431	0.481
127	0.572	0.516	0.442	0.443	0.449	0.421	0.425	0.430	0.443	0.492
128	0.576	0.493	0.452	0.451	0.466	0.432	0.434	0.443	0.458	0.503
129	0.537	0.490	0.462	0.458	0.484	0.443	0.448	0.456	0.474	0.513
130	0.518	0.495	0.472	0.466	0.500	0.455	0.462	0.469	0.491	0.524
131	0.516	0.504	0.487	0.476	0.517	0.472	0.475	0.487	0.509	0.535
132	0.518	0.514	0.502	0.488	0.529	0.491	0.492	0.504	0.518	0.545
133	0.526	0.524	0.515	0.497	0.535	0.511	0.510	0.522	0.528	0.554
134	0.535	0.533	0.526	0.502	0.540	0.528	0.526	0.535	0.537	0.562
135	0.543	0.538	0.532	0.504	0.539	0.540	0.538	0.541	0.543	0.568
136	0.549	0.542	0.537	0.507	0.536	0.548	0.541	0.547	0.549	0.573
137	0.555	0.545	0.542	0.514	0.537	0.552	0.547	0.549	0.554	0.573
138	0.559	0.550	0.549	0.527	0.538	0.556	0.552	0.550	0.557	0.572
139	0.562	0.555	0.552	0.537	0.539	0.561	0.556	0.552	0.560	0.570
140	0.567	0.559	0.552	0.545	0.542	0.566	0.555	0.556	0.563	0.572
141	0.572	0.563	0.555	0.549	0.544	0.571	0.558	0.561	0.566	0.576
142	0.576	0.565	0.559	0.552	0.552	0.575	0.562	0.565	0.571	0.577
143	0.577	0.569	0.564	0.551	0.559	0.578	0.563	0.568	0.575	0.576
144	0.576	0.575	0.567	0.549	0.567	0.580	0.561	0.572	0.581	0.577
145	0.577	0.581	0.569	0.546	0.570	0.579	0.563	0.575	0.584	0.578
146	0.580	0.587	0.571	0.546	0.572	0.578	0.567	0.575	0.587	0.578
147	0.583	0.589	0.574	0.550	0.573	0.574	0.567	0.577	0.587	0.581
148	0.586	0.591	0.581	0.556	0.571	0.570	0.565	0.578	0.586	0.584
149	0.589	0.592	0.586	0.559	0.567	0.569	0.565	0.580	0.585	0.589
150	0.595	0.597	0.592	0.564	0.564	0.567	0.566	0.580	0.590	0.596
151	0.604	0.608	0.599	0.569	0.565	0.568	0.567	0.584	0.597	0.604
152	0.615	0.618	0.611	0.575	0.565	0.574	0.570	0.593	0.606	0.613
153	0.625	0.629	0.626	0.582	0.570	0.585	0.576	0.603	0.617	0.622
154	0.631	0.639	0.641	0.586	0.581	0.596	0.582	0.612	0.626	0.631
155	0.638	0.649	0.654	0.591	0.590	0.606	0.586	0.618	0.636	0.640
156	0.645	0.661	0.665	0.594	0.596	0.612	0.592	0.626	0.646	0.648
157	0.656	0.670	0.672	0.598	0.599	0.614	0.594	0.635	0.654	0.655
158	0.668	0.680	0.680	0.600	0.602	0.615	0.591	0.643	0.663	0.663
159	0.679	0.687	0.683	0.605	0.603	0.612	0.584	0.652	0.669	0.672
160	0.686	0.693	0.686	0.613	0.604	0.612	0.577	0.660	0.675	0.681
161	0.691	0.701	0.689	0.623	0.604	0.611	0.576	0.663	0.678	0.689
162	0.692	0.706	0.693	0.634	0.605	0.609	0.575	0.664	0.682	0.694
163	0.697	0.714	0.699	0.645	0.609	0.609	0.584	0.667	0.691	0.701
164	0.703	0.722	0.706	0.657	0.618	0.620	0.599	0.674	0.702	0.709
165	0.711	0.731	0.713	0.670	0.631	0.635	0.617	0.687	0.718	0.718

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CANDELA TABULATION - (Cont.)

166	0.722	0.744	0.728	0.684	0.646	0.654	0.634	0.699	0.736	0.730
167	0.736	0.757	0.742	0.701	0.664	0.668	0.643	0.708	0.750	0.743
168	0.747	0.765	0.754	0.713	0.674	0.676	0.647	0.714	0.754	0.748
169	0.754	0.768	0.760	0.724	0.674	0.673	0.649	0.713	0.753	0.748
170	0.756	0.765	0.760	0.727	0.662	0.666	0.647	0.703	0.740	0.743
171	0.747	0.757	0.753	0.724	0.650	0.658	0.639	0.685	0.726	0.734
172	0.744	0.755	0.752	0.730	0.655	0.661	0.636	0.676	0.730	0.734
173	0.752	0.764	0.762	0.745	0.670	0.671	0.641	0.680	0.739	0.740
174	0.778	0.790	0.789	0.774	0.702	0.690	0.651	0.697	0.758	0.765
175	0.810	0.821	0.820	0.807	0.733	0.705	0.680	0.719	0.778	0.791
176	0.820	0.831	0.832	0.819	0.748	0.725	0.696	0.734	0.791	0.798
177	0.811	0.831	0.826	0.817	0.753	0.741	0.711	0.733	0.786	0.789
178	0.800	0.817	0.814	0.808	0.756	0.743	0.709	0.731	0.775	0.776
179	0.790	0.802	0.802	0.800	0.759	0.746	0.707	0.729	0.764	0.763
180	0.779	0.779	0.779	0.779	0.779	0.779	0.779	0.779	0.779	0.779

**Vert.
Angles**

Horizontal Angles

	<u>150</u>	<u>165</u>	<u>180</u>	<u>195</u>	<u>210</u>	<u>225</u>	<u>240</u>	<u>255</u>	<u>270</u>	<u>285</u>
0	1137.400	1137.400	1137.400	1137.400	1137.400	1137.400	1137.400	1137.400	1137.400	1137.400
1	1127.300	1130.600	1138.100	1141.400	1143.900	1145.700	1147.600	1148.200	1148.200	1147.900
2	1118.400	1125.300	1137.300	1143.600	1148.300	1150.200	1151.400	1152.300	1152.600	1153.100
3	1110.800	1120.600	1137.100	1145.900	1150.600	1150.600	1148.700	1148.400	1148.500	1149.800
4	1103.700	1115.000	1136.100	1146.900	1151.100	1146.700	1141.400	1137.900	1136.800	1139.000
5	1095.700	1109.300	1134.900	1147.300	1147.100	1139.900	1131.000	1125.500	1123.300	1125.400
6	1088.500	1104.500	1133.000	1146.600	1142.800	1130.400	1118.900	1109.500	1105.100	1108.300
7	1082.000	1099.800	1131.000	1144.800	1136.300	1119.600	1103.200	1090.900	1087.100	1092.000
8	1075.500	1095.600	1129.300	1142.300	1128.300	1104.900	1085.300	1073.900	1071.900	1076.900
9	1068.700	1091.600	1128.400	1138.900	1119.000	1090.100	1071.100	1066.600	1065.600	1067.600
10	1060.300	1088.600	1126.500	1134.200	1109.900	1075.300	1065.700	1067.900	1068.900	1067.300
11	1053.200	1084.700	1124.800	1130.300	1100.400	1064.600	1066.100	1072.400	1076.500	1071.900
12	1046.400	1080.100	1122.400	1127.000	1090.100	1059.400	1067.700	1077.500	1084.500	1078.900
13	1035.800	1073.000	1119.700	1122.900	1078.900	1058.300	1070.000	1084.800	1095.100	1085.300
14	1025.500	1063.900	1115.900	1117.500	1066.100	1060.700	1075.100	1094.300	1102.500	1092.200
15	1019.000	1055.000	1111.100	1110.300	1054.100	1062.500	1082.800	1098.600	1102.400	1095.200
16	1015.800	1045.900	1106.200	1101.600	1042.800	1062.700	1086.400	1093.100	1092.900	1090.100
17	1017.400	1037.100	1101.500	1093.600	1034.800	1064.400	1085.400	1082.300	1080.300	1080.200
18	1024.100	1029.600	1096.000	1083.600	1028.300	1067.800	1078.100	1070.700	1069.200	1069.500
19	1035.300	1023.300	1090.200	1072.300	1024.400	1069.900	1066.900	1061.200	1059.200	1060.800
20	1050.300	1016.600	1083.400	1062.100	1023.300	1070.000	1056.700	1054.300	1053.700	1054.500
21	1059.700	1008.500	1077.100	1049.200	1022.700	1065.100	1047.800	1052.200	1053.500	1051.900
22	1065.900	999.700	1069.700	1036.600	1024.100	1057.100	1042.800	1053.000	1055.500	1051.100
23	1071.300	988.880	1061.000	1022.300	1025.800	1047.700	1038.900	1055.000	1056.700	1050.200
24	1071.700	978.780	1051.400	1008.100	1027.600	1037.000	1038.400	1054.200	1054.800	1048.500
25	1066.500	966.070	1040.900	995.150	1030.100	1025.700	1037.200	1048.200	1047.600	1044.100
26	1055.300	956.070	1032.200	980.970	1030.600	1015.600	1035.000	1034.800	1030.900	1034.400
27	1034.600	947.220	1024.100	967.780	1028.300	1007.100	1028.600	1017.300	1013.200	1020.700
28	1013.500	937.420	1016.000	956.840	1022.000	1000.200	1020.300	1000.100	995.080	1004.300
29	991.750	930.510	1009.100	946.900	1010.100	995.360	1008.300	984.440	980.160	989.410
30	974.980	925.780	1001.300	937.860	993.910	993.580	993.630	971.260	966.970	974.640
31	962.410	921.580	993.370	928.370	977.550	990.450	976.710	960.160	954.980	959.500
32	955.280	914.720	982.800	919.540	960.680	984.470	960.130	949.550	945.340	945.410
33	948.850	908.770	973.120	909.690	945.430	975.220	945.860	940.630	940.080	933.240
34	943.610	907.610	963.020	899.450	932.980	960.510	932.400	934.840	938.810	926.560
35	935.860	906.840	951.730	889.850	923.110	941.240	918.600	933.690	940.890	923.760
36	924.720	909.220	942.100	880.550	914.750	919.780	905.780	934.390	938.100	926.680

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CANDELA TABULATION - (Cont.)

37	908.460	912.640	931.190	873.180	908.310	900.270	898.430	931.240	928.620	926.610
38	889.810	913.910	918.700	869.250	902.760	882.540	895.590	921.610	921.280	920.030
39	874.680	910.090	904.710	865.630	897.250	868.020	896.740	915.240	911.550	912.540
40	863.660	904.100	888.200	859.150	890.050	854.840	896.080	905.620	900.230	902.830
41	852.690	894.250	872.660	853.160	881.650	843.080	889.490	894.030	893.930	890.010
42	842.320	878.930	857.850	845.760	870.820	833.070	878.700	883.650	887.030	878.070
43	833.820	860.640	838.930	837.150	854.920	828.130	864.920	874.710	873.710	869.870
44	829.140	840.010	822.110	826.400	836.620	825.480	850.950	857.840	856.110	856.340
45	824.650	819.360	806.650	811.340	817.450	822.750	839.940	837.910	834.100	838.260
46	812.400	796.790	791.500	791.760	797.930	813.810	831.300	819.230	813.920	820.290
47	790.460	770.440	777.340	773.650	774.510	802.110	818.120	801.520	794.890	801.800
48	764.230	745.850	763.420	754.370	747.380	793.310	799.030	782.820	778.780	781.430
49	737.920	723.280	752.550	733.210	723.160	782.250	778.770	768.910	762.990	767.960
50	712.740	703.230	745.700	713.800	703.870	766.660	757.200	755.570	747.450	754.580
51	691.950	691.730	730.970	700.700	687.900	753.800	737.200	735.260	725.790	735.950
52	680.640	685.960	700.180	691.470	675.390	742.470	718.070	711.670	703.490	712.580
53	670.570	679.060	675.480	676.240	666.880	720.160	700.870	687.290	681.890	688.600
54	657.340	659.720	648.620	645.230	662.310	694.700	682.030	663.380	663.270	662.870
55	638.260	628.870	630.100	612.620	656.530	672.430	658.490	645.920	649.380	644.710
56	617.780	600.830	615.420	598.190	641.780	651.320	632.470	630.590	636.730	629.680
57	592.980	577.390	594.180	587.180	624.860	633.830	609.820	619.890	626.480	620.130
58	573.300	550.130	589.400	574.910	612.620	618.800	590.730	610.620	612.350	613.930
59	570.610	526.370	570.260	556.010	595.360	598.780	577.210	592.650	587.650	597.310
60	579.340	516.090	534.030	541.060	582.830	572.150	563.600	561.490	550.200	565.850
61	588.040	517.240	506.510	532.270	574.350	543.930	549.800	522.070	515.420	525.320
62	581.840	508.330	482.320	517.570	549.680	517.190	527.660	490.580	500.090	493.110
63	547.640	485.180	480.160	486.470	521.850	497.560	494.810	484.720	506.450	486.970
64	495.200	457.430	455.940	437.870	500.870	483.580	455.290	493.470	509.970	497.480
65	444.440	422.380	427.030	405.670	476.520	469.070	435.450	489.790	485.590	496.130
66	409.870	403.870	397.600	387.710	448.530	446.310	438.900	456.110	436.340	464.950
67	385.190	371.870	376.440	373.620	420.080	413.500	439.580	400.880	385.330	410.280
68	362.340	352.090	358.320	349.710	388.520	376.320	413.740	354.790	354.600	363.190
69	345.410	345.560	330.570	340.080	355.130	350.630	359.580	332.270	346.410	340.080
70	331.100	319.530	303.560	325.370	331.540	353.530	311.940	329.500	376.080	344.600
71	319.160	300.650	297.950	305.830	316.570	355.520	288.350	369.150	408.540	392.440
72	305.360	266.260	250.340	296.340	302.180	312.610	294.810	255.740	308.980	297.480
73	279.580	264.130	232.810	284.020	274.400	254.130	350.540	142.330	209.420	202.520
74	235.660	271.130	215.280	267.380	237.330	219.430	287.940	29.069	109.860	107.550
75	194.010	252.130	197.710	239.850	224.840	228.630	225.330	13.593	12.899	13.785
76	173.200	203.240	177.240	212.330	196.040	161.910	160.160	11.672	11.341	11.766
77	186.230	159.100	157.220	184.850	167.250	95.198	11.656	10.477	10.378	10.531
78	202.400	128.440	132.630	158.880	138.790	28.941	10.159	9.522	9.481	9.569
79	212.900	120.850	112.170	127.680	131.540	19.390	9.228	8.957	8.894	8.970
80	81.070	110.190	98.954	112.220	155.950	9.958	8.574	8.447	8.450	8.408
81	46.388	93.453	79.655	94.678	107.690	8.812	8.039	8.264	8.463	8.269
82	13.034	80.166	63.851	80.745	59.438	7.960	7.844	8.200	8.231	8.341
83	11.055	66.988	52.627	64.716	12.405	7.632	7.744	7.694	7.676	7.742
84	9.672	53.874	46.367	41.547	11.609	8.252	7.848	7.241	7.038	7.096
85	8.302	17.666	35.030	31.744	9.614	7.873	6.584	5.122	5.031	5.123
86	6.932	12.994	22.937	21.940	8.062	6.193	4.641	4.421	4.405	4.425
87	6.566	10.199	18.953	12.172	7.896	4.676	4.024	3.798	3.755	3.783
88	5.835	9.721	15.747	10.073	6.087	4.118	3.358	3.139	3.099	3.133
89	4.780	9.289	15.455	8.674	5.497	3.499	2.739	2.511	2.475	2.506
90	4.184	8.472	15.163	7.903	4.553	3.123	2.411	2.232	2.212	2.239
91	4.052	7.668	14.855	7.954	4.062	2.726	2.191	2.035	2.022	2.042
92	4.134	8.192	14.033	9.148	3.651	2.429	1.996	1.852	1.846	1.856

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CANDELA TABULATION - (Cont.)

93	1.815	6.917	14.668	8.172	2.926	2.217	1.807	1.687	1.687	1.691
94	0.304	1.177	14.292	3.328	1.304	1.879	1.637	1.543	1.545	1.547
95	0.158	0.267	6.432	0.587	0.331	1.337	1.445	1.429	1.442	1.441
96	0.164	0.167	0.310	0.302	0.310	1.079	1.262	1.318	1.337	1.330
97	0.942	0.176	0.318	0.318	0.415	0.333	1.130	1.212	1.235	1.222
98	1.515	1.503	0.486	0.465	1.679	0.341	0.546	1.059	1.119	0.997
99	1.478	5.379	3.865	3.512	1.772	0.443	0.334	0.457	0.578	0.389
100	1.420	5.495	10.619	4.087	1.684	0.607	0.364	0.343	0.342	0.350
101	1.335	5.228	10.634	4.148	1.595	0.681	0.414	0.360	0.358	0.366
102	1.273	4.720	9.741	3.557	1.482	0.697	0.461	0.376	0.372	0.383
103	1.171	3.967	8.626	2.592	1.356	0.669	0.479	0.391	0.388	0.397
104	1.081	3.371	7.526	2.152	1.251	0.667	0.487	0.403	0.400	0.409
105	0.997	3.268	6.500	2.412	1.182	0.666	0.482	0.414	0.410	0.422
106	0.938	3.102	5.829	2.043	1.148	0.654	0.469	0.456	0.431	0.458
107	0.915	2.821	4.920	1.893	1.119	0.642	0.468	0.411	0.427	0.415
108	0.903	2.554	4.535	1.692	1.073	0.635	0.467	0.412	0.409	0.416
109	0.886	2.397	4.102	1.404	1.028	0.623	0.463	0.417	0.412	0.418
110	0.866	2.436	3.513	1.397	0.974	0.606	0.459	0.420	0.420	0.418
111	0.848	2.266	3.165	1.345	0.941	0.592	0.454	0.420	0.422	0.420
112	0.839	1.968	2.603	1.115	0.923	0.576	0.449	0.421	0.423	0.425
113	0.832	1.850	2.357	0.964	0.918	0.561	0.445	0.422	0.424	0.427
114	0.838	1.669	2.040	0.860	0.888	0.557	0.440	0.421	0.425	0.428
115	0.803	1.610	1.964	0.782	0.847	0.554	0.434	0.417	0.423	0.424
116	0.785	1.490	1.809	0.721	0.818	0.545	0.430	0.414	0.419	0.422
117	0.775	1.411	1.633	0.672	0.802	0.535	0.428	0.411	0.416	0.416
118	0.754	1.328	1.517	0.639	0.787	0.526	0.427	0.411	0.413	0.412
119	0.739	1.268	1.449	0.612	0.766	0.522	0.427	0.412	0.412	0.409
120	0.742	1.250	1.357	0.585	0.752	0.516	0.425	0.414	0.413	0.408
121	0.728	1.230	1.282	0.567	0.732	0.508	0.424	0.415	0.414	0.408
122	0.727	1.160	1.227	0.550	0.724	0.499	0.427	0.415	0.417	0.411
123	0.726	1.173	1.170	0.543	0.715	0.480	0.428	0.418	0.421	0.418
124	0.736	1.162	1.100	0.539	0.711	0.469	0.433	0.430	0.425	0.427
125	0.733	1.122	1.078	0.538	0.707	0.475	0.441	0.441	0.434	0.435
126	0.727	1.089	1.028	0.534	0.706	0.485	0.448	0.450	0.448	0.440
127	0.670	1.062	1.018	0.533	0.683	0.495	0.454	0.459	0.459	0.449
128	0.599	1.034	0.996	0.537	0.626	0.504	0.465	0.468	0.469	0.462
129	0.557	0.945	0.993	0.544	0.574	0.513	0.483	0.479	0.482	0.474
130	0.558	0.823	0.950	0.545	0.570	0.525	0.499	0.495	0.495	0.487
131	0.563	0.510	0.869	0.532	0.581	0.540	0.518	0.514	0.510	0.502
132	0.574	0.511	0.556	0.548	0.591	0.558	0.534	0.534	0.529	0.521
133	0.581	0.613	0.556	0.636	0.604	0.577	0.548	0.554	0.549	0.541
134	0.584	0.617	0.654	0.642	0.615	0.594	0.564	0.572	0.568	0.551
135	0.585	0.619	0.647	0.653	0.625	0.607	0.583	0.584	0.582	0.556
136	0.587	0.621	0.649	0.663	0.634	0.619	0.599	0.595	0.592	0.563
137	0.587	0.623	0.650	0.671	0.645	0.628	0.615	0.608	0.603	0.569
138	0.574	0.622	0.649	0.677	0.652	0.638	0.626	0.621	0.611	0.578
139	0.569	0.619	0.654	0.683	0.663	0.648	0.637	0.633	0.617	0.586
140	0.567	0.617	0.661	0.691	0.672	0.659	0.649	0.644	0.626	0.593
141	0.564	0.614	0.669	0.692	0.680	0.672	0.662	0.656	0.633	0.601
142	0.565	0.611	0.678	0.699	0.681	0.684	0.676	0.670	0.643	0.615
143	0.566	0.609	0.688	0.712	0.685	0.696	0.693	0.686	0.658	0.632
144	0.567	0.608	0.698	0.722	0.692	0.709	0.710	0.702	0.675	0.648
145	0.568	0.604	0.710	0.729	0.703	0.721	0.725	0.720	0.692	0.662
146	0.570	0.590	0.716	0.735	0.716	0.733	0.737	0.738	0.709	0.679
147	0.571	0.576	0.716	0.726	0.727	0.746	0.747	0.751	0.725	0.694
148	0.571	0.570	0.710	0.726	0.738	0.758	0.757	0.760	0.734	0.701

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

149	0.573	0.570	0.719	0.728	0.747	0.771	0.765	0.767	0.741	0.707
150	0.578	0.574	0.728	0.740	0.755	0.783	0.773	0.774	0.741	0.717
151	0.587	0.580	0.738	0.747	0.762	0.792	0.781	0.779	0.733	0.729
152	0.599	0.589	0.751	0.754	0.773	0.800	0.789	0.781	0.733	0.733
153	0.612	0.596	0.763	0.764	0.785	0.800	0.792	0.785	0.736	0.737
154	0.625	0.604	0.773	0.772	0.796	0.807	0.801	0.789	0.741	0.740
155	0.640	0.616	0.784	0.781	0.804	0.815	0.809	0.797	0.749	0.746
156	0.652	0.629	0.793	0.794	0.812	0.822	0.816	0.805	0.757	0.752
157	0.660	0.642	0.805	0.808	0.819	0.830	0.826	0.814	0.764	0.757
158	0.666	0.655	0.819	0.821	0.823	0.840	0.836	0.822	0.770	0.758
159	0.670	0.663	0.831	0.832	0.830	0.849	0.842	0.829	0.776	0.759
160	0.674	0.668	0.840	0.840	0.835	0.857	0.846	0.838	0.781	0.756
161	0.681	0.675	0.843	0.844	0.838	0.863	0.850	0.845	0.783	0.753
162	0.685	0.680	0.845	0.845	0.838	0.864	0.853	0.845	0.782	0.744
163	0.690	0.689	0.844	0.844	0.840	0.861	0.856	0.844	0.783	0.741
164	0.699	0.699	0.841	0.841	0.846	0.863	0.860	0.843	0.783	0.745
165	0.710	0.711	0.839	0.841	0.854	0.865	0.866	0.846	0.789	0.763
166	0.726	0.727	0.838	0.844	0.861	0.867	0.871	0.852	0.794	0.771
167	0.739	0.741	0.841	0.845	0.867	0.870	0.874	0.859	0.792	0.770
168	0.747	0.750	0.843	0.846	0.867	0.873	0.871	0.858	0.788	0.765
169	0.751	0.754	0.845	0.847	0.866	0.873	0.870	0.853	0.777	0.755
170	0.744	0.750	0.846	0.845	0.860	0.869	0.866	0.843	0.761	0.739
171	0.735	0.743	0.845	0.847	0.859	0.868	0.867	0.845	0.751	0.731
172	0.735	0.742	0.855	0.857	0.871	0.875	0.873	0.848	0.757	0.722
173	0.746	0.752	0.858	0.862	0.876	0.882	0.870	0.847	0.759	0.718
174	0.770	0.776	0.862	0.865	0.882	0.889	0.867	0.845	0.766	0.724
175	0.801	0.804	0.868	0.869	0.886	0.892	0.864	0.841	0.769	0.731
176	0.812	0.818	0.859	0.862	0.876	0.882	0.851	0.830	0.772	0.732
177	0.802	0.811	0.844	0.845	0.862	0.863	0.839	0.820	0.769	0.739
178	0.786	0.798	0.816	0.819	0.833	0.834	0.817	0.795	0.754	0.740
179	0.769	0.785	0.799	0.801	0.818	0.818	0.800	0.780	0.753	0.744
180	0.779	0.779	0.779	0.779	0.779	0.779	0.779	0.779	0.779	0.779

Vert. Horizontal Angles

	<u>300</u>	<u>315</u>	<u>330</u>	<u>345</u>	<u>360</u>
0	1137.400	1137.400	1137.400	1137.400	1137.400
1	1147.200	1145.300	1142.800	1140.100	1140.500
2	1152.800	1151.500	1148.800	1144.000	1141.100
3	1152.700	1153.700	1151.900	1146.300	1140.600
4	1144.400	1150.200	1153.500	1148.400	1139.300
5	1132.600	1141.400	1150.900	1150.500	1138.300
6	1119.200	1132.400	1145.600	1150.500	1136.400
7	1104.200	1122.100	1139.100	1149.200	1134.100
8	1088.000	1109.000	1133.300	1147.500	1131.000
9	1073.300	1095.700	1126.500	1145.400	1129.100
10	1065.000	1081.100	1117.300	1142.000	1126.600
11	1062.300	1066.700	1106.800	1138.000	1123.900
12	1063.300	1057.800	1094.600	1131.200	1120.400
13	1067.400	1052.500	1082.300	1124.300	1115.100
14	1073.000	1051.900	1068.000	1115.700	1109.100
15	1080.400	1054.600	1053.700	1105.200	1103.300
16	1084.900	1056.900	1044.000	1095.900	1097.700
17	1085.300	1060.200	1036.500	1087.000	1092.100
18	1080.700	1066.800	1031.900	1078.300	1087.800
19	1070.200	1070.200	1029.900	1070.000	1084.300

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CANDELA TABULATION - (Cont.)

20	1059.100	1068.200	1027.800	1062.200	1079.900
21	1049.600	1061.300	1025.900	1053.800	1073.000
22	1041.500	1050.500	1024.400	1043.800	1066.500
23	1036.400	1038.700	1023.400	1033.000	1058.900
24	1033.900	1026.400	1023.600	1019.800	1050.900
25	1033.400	1015.600	1025.000	1007.100	1040.500
26	1032.200	1008.600	1023.000	994.300	1031.800
27	1029.100	1003.200	1017.800	982.040	1022.900
28	1022.700	1002.200	1008.000	969.060	1012.700
29	1009.300	998.720	995.890	956.530	1001.500
30	990.880	996.210	983.790	943.130	991.150
31	971.750	992.800	971.430	928.950	982.860
32	956.230	985.280	959.300	916.240	974.070
33	941.770	975.840	946.180	906.030	965.960
34	929.210	961.670	932.840	897.860	954.790
35	917.350	942.640	920.700	891.770	942.570
36	907.210	922.490	910.270	886.090	930.020
37	900.410	903.190	900.850	879.060	920.360
38	896.850	885.030	893.150	870.980	914.000
39	897.880	867.100	885.630	863.300	904.080
40	894.250	852.010	878.040	855.670	889.860
41	886.910	838.250	870.920	847.470	872.290
42	874.890	824.040	863.830	838.070	851.060
43	863.000	811.940	850.310	824.820	834.020
44	849.690	806.670	834.090	810.210	818.110
45	840.220	806.240	814.280	794.550	801.520
46	829.940	805.140	793.010	777.040	781.430
47	816.990	798.850	769.940	761.780	763.800
48	795.470	789.300	745.570	749.140	748.000
49	773.890	775.140	720.830	734.910	732.040
50	753.780	759.430	701.360	713.680	723.050
51	734.600	743.090	684.420	687.940	717.620
52	716.340	733.620	668.570	670.350	692.850
53	700.340	716.930	654.630	656.620	667.530
54	680.570	693.920	644.290	642.610	640.580
55	655.710	672.680	637.710	617.370	618.200
56	630.990	650.960	631.620	592.510	603.320
57	610.020	631.140	622.820	574.190	585.510
58	591.070	615.290	609.200	558.930	565.520
59	575.970	594.390	590.650	546.020	543.350
60	565.060	570.370	569.310	537.000	521.540
61	556.810	541.010	561.220	526.120	493.420
62	539.560	512.500	549.640	503.840	471.170
63	505.010	492.360	525.660	474.000	458.490
64	461.980	479.470	496.270	437.460	437.600
65	437.960	470.610	470.920	407.730	411.360
66	444.380	457.830	446.790	382.440	384.400
67	451.420	426.970	422.130	356.110	361.540
68	427.470	385.180	386.750	336.320	337.000
69	372.880	350.560	354.060	322.210	320.350
70	319.830	352.810	336.530	310.590	289.230
71	296.240	359.730	317.510	300.160	268.440
72	310.010	327.920	307.170	294.370	259.950
73	374.750	270.210	284.890	277.490	225.180
74	306.950	229.040	243.340	247.380	210.580
75	239.150	234.940	210.690	228.450	180.420

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CANDELA TABULATION - (Cont.)

76	170.370	296.830	188.070	209.510	173.130
77	12.040	166.890	165.450	190.220	154.700
78	10.496	38.198	142.990	158.310	133.610
79	9.396	23.993	128.370	125.690	107.180
80	8.685	10.041	180.030	111.000	93.183
81	8.111	8.801	124.230	105.280	79.392
82	7.856	8.033	68.424	67.389	65.600
83	7.880	7.555	12.981	68.261	50.484
84	7.532	8.235	12.154	43.422	40.084
85	6.835	8.113	11.293	32.735	31.302
86	4.659	6.815	9.330	22.048	23.816
87	4.010	4.851	8.154	11.432	18.742
88	3.340	4.061	7.136	10.221	17.732
89	2.698	3.449	5.862	9.496	21.063
90	2.403	3.073	4.971	8.782	16.767
91	2.195	2.758	4.488	9.331	14.340
92	1.986	2.550	4.646	10.646	14.475
93	1.776	2.343	4.443	10.380	15.041
94	1.602	1.736	1.082	7.875	15.938
95	1.419	1.322	0.329	0.955	9.852
96	1.282	0.673	0.317	0.335	5.034
97	1.061	0.332	0.376	0.325	0.230
98	0.373	0.418	1.652	0.429	0.181
99	0.351	0.612	1.835	3.540	1.103
100	0.394	0.669	1.782	6.531	7.741
101	0.425	0.697	1.677	5.984	10.303
102	0.434	0.654	1.551	5.572	9.363
103	0.444	0.619	1.470	5.049	8.338
104	0.501	0.600	1.385	4.398	7.098
105	0.442	0.580	1.252	3.768	6.472
106	0.437	0.564	1.157	3.248	5.514
107	0.438	0.546	1.078	3.171	4.573
108	0.438	0.532	1.048	2.762	3.951
109	0.436	0.534	0.968	2.473	3.462
110	0.435	0.532	0.934	2.528	3.199
111	0.432	0.470	0.904	2.275	2.558
112	0.429	0.461	0.892	1.978	2.284
113	0.429	0.455	0.813	1.776	1.902
114	0.430	0.449	0.663	1.681	1.820
115	0.428	0.446	0.547	1.447	1.644
116	0.423	0.443	0.506	1.225	1.346
117	0.418	0.442	0.492	0.912	1.090
118	0.415	0.442	0.485	0.754	0.845
119	0.416	0.443	0.474	0.672	0.709
120	0.418	0.435	0.469	0.643	0.648
121	0.424	0.428	0.467	0.603	0.605
122	0.427	0.427	0.469	0.583	0.585
123	0.425	0.431	0.471	0.572	0.573
124	0.423	0.433	0.471	0.571	0.564
125	0.430	0.437	0.470	0.564	0.571
126	0.437	0.441	0.452	0.562	0.571
127	0.446	0.447	0.450	0.564	0.572
128	0.456	0.454	0.460	0.560	0.576
129	0.470	0.462	0.478	0.511	0.537
130	0.487	0.473	0.494	0.511	0.518
131	0.500	0.485	0.509	0.515	0.516

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CANDELA TABULATION - (Cont.)

132	0.506	0.499	0.524	0.527	0.518
133	0.512	0.513	0.536	0.541	0.526
134	0.517	0.528	0.546	0.554	0.535
135	0.528	0.544	0.556	0.565	0.543
136	0.541	0.559	0.567	0.576	0.549
137	0.552	0.574	0.576	0.585	0.555
138	0.563	0.586	0.583	0.591	0.559
139	0.577	0.589	0.596	0.597	0.562
140	0.593	0.596	0.608	0.611	0.567
141	0.610	0.607	0.619	0.624	0.572
142	0.630	0.622	0.633	0.637	0.576
143	0.648	0.636	0.648	0.651	0.577
144	0.663	0.651	0.661	0.663	0.576
145	0.665	0.667	0.670	0.671	0.577
146	0.671	0.680	0.677	0.685	0.580
147	0.685	0.692	0.689	0.696	0.583
148	0.696	0.703	0.702	0.707	0.586
149	0.704	0.714	0.720	0.719	0.589
150	0.712	0.727	0.737	0.731	0.595
151	0.716	0.739	0.751	0.746	0.604
152	0.720	0.744	0.763	0.760	0.615
153	0.724	0.744	0.778	0.771	0.625
154	0.735	0.744	0.792	0.782	0.631
155	0.747	0.748	0.802	0.792	0.638
156	0.759	0.752	0.815	0.804	0.645
157	0.770	0.759	0.822	0.817	0.656
158	0.777	0.764	0.829	0.828	0.668
159	0.782	0.766	0.834	0.836	0.679
160	0.784	0.771	0.837	0.842	0.686
161	0.782	0.778	0.836	0.846	0.691
162	0.781	0.780	0.831	0.848	0.692
163	0.779	0.774	0.826	0.845	0.697
164	0.775	0.769	0.826	0.840	0.703
165	0.771	0.766	0.822	0.837	0.711
166	0.773	0.760	0.821	0.840	0.722
167	0.771	0.758	0.813	0.840	0.736
168	0.766	0.751	0.808	0.838	0.747
169	0.754	0.746	0.802	0.837	0.754
170	0.740	0.739	0.799	0.832	0.756
171	0.739	0.742	0.804	0.829	0.747
172	0.749	0.737	0.825	0.836	0.744
173	0.756	0.746	0.827	0.842	0.752
174	0.762	0.754	0.830	0.843	0.778
175	0.767	0.761	0.831	0.844	0.810
176	0.762	0.755	0.820	0.832	0.820
177	0.747	0.752	0.804	0.813	0.811
178	0.729	0.747	0.780	0.781	0.800
179	0.721	0.740	0.767	0.768	0.790
180	0.779	0.779	0.779	0.779	0.779

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	410.10	N.A.	12.30
0-30	882.24	N.A.	26.60
0-40	1463.17	N.A.	44.00
0-60	2667.29	N.A.	80.30
0-80	3295.63	N.A.	99.20
0-90	3314.81	N.A.	99.80
10-90	3209.55	N.A.	96.60
20-40	1053.08	N.A.	31.70
20-50	1682.89	N.A.	50.70
40-70	1644.59	N.A.	49.50
60-80	628.34	N.A.	18.90
70-80	187.87	N.A.	5.70
80-90	19.18	N.A.	0.60
90-110	4.36	N.A.	0.10
90-120	5.06	N.A.	0.20
90-130	5.54	N.A.	0.20
90-150	6.37	N.A.	0.20
90-180	6.98	N.A.	0.20
110-180	2.62	N.A.	0.10
0-180	3321.8	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	105.26
10-20	304.83
20-30	472.14
30-40	580.93
40-50	629.81
50-60	574.31
60-70	440.47
70-80	187.87
80-90	19.18
90-100	2.75
100-110	1.61
110-120	0.70
120-130	0.48
130-140	0.43
140-150	0.40
150-160	0.32
160-170	0.21
170-180	0.07

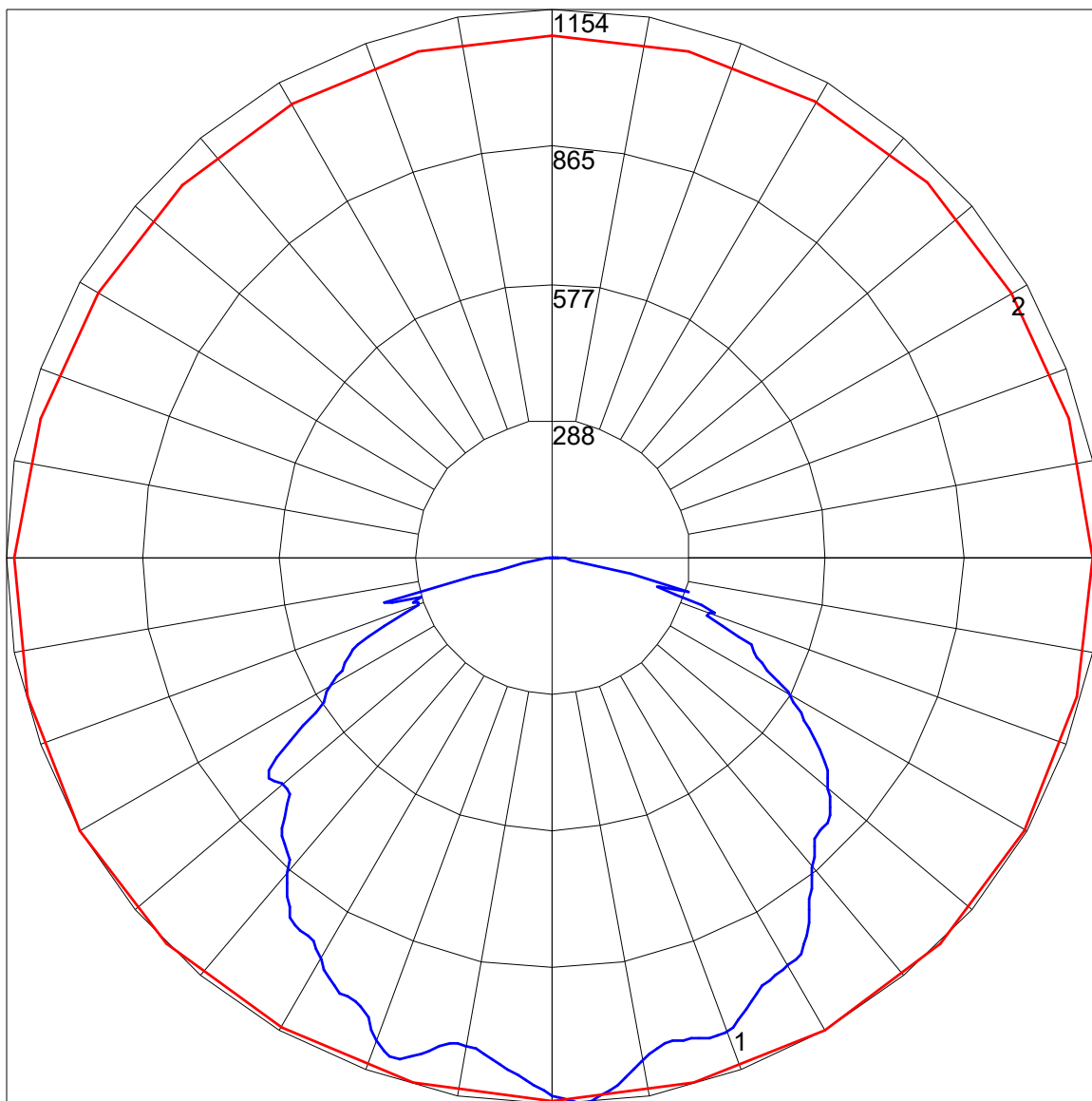
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	105	101	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85
2	99	91	85	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	53	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 1153.7 Located At Horizontal Angle = 315, Vertical Angle = 3
1 - Vertical Plane Through Horizontal Angles (315 - 135) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (3) (Through Max. Cd.)