



IES INDOOR REPORT

PHOTOMETRIC FILENAME : HZX-EX-B2-20W-5000K-D120.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] HZX-EX-B2-20W-5000K-D120

[TESTLAB] Dongguan New Testing Centre Co., Ltd

[TESTDATE] 17 April 2023

[ISSUEDATE] 2023-05-19 14:55:13

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000_V2 SYSTEM

[MANUFAC] BELUCE CANADA INC.

[LUMINAIRE] HZX-EX-B2-20W-5000K-D120

[LUMCAT] HZX-EX-B2-20W-5000K-D120

[LAMP] 3023 LUMENS

[_SEARCH_SOURCETYPE] LED

[BALLAST] 100-277VAc 50/60Hz

[TESTVOLTAGE] 120VAc 60Hz

[OTHER]

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

[OTHER] 0- 10 107.17 107.17 3.54 3.54

[OTHER] 10- 20 310.69 417.86 13.82 13.82

[OTHER] 20- 30 479.96 897.81 29.69 29.69

[OTHER] 30- 40 589.84 1487.65 49.20 49.20

[OTHER] 40- 50 584.60 2072.26 68.54 68.54

[OTHER] 50- 60 502.52 2574.78 85.16 85.16

[OTHER] 60- 70 322.02 2896.80 95.81 95.81

[OTHER] 70- 80 113.66 3010.46 99.57 99.57

[OTHER] 80- 90 10.71 3021.16 99.92 99.92

[OTHER] 90-100 0.18 3021.35 99.93 99.93

[OTHER] 100-110 0.25 3021.59 99.94 99.94

[OTHER] 110-120 0.28 3021.88 99.95 99.95

[OTHER] 120-130 0.33 3022.20 99.96 99.96

[OTHER] 130-140 0.37 3022.58 99.97 99.97

[OTHER] 140-150 0.36 3022.93 99.98 99.98

[OTHER] 150-160 0.30 3023.23 99.99 99.99

[OTHER] 160-170 0.20 3023.43 100.00 100.00

[OTHER] 170-180 0.07 3023.49 100.00 100.00

[OTHER]

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CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3023
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	148
Total Luminaire Watts	20.39
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.16 m (Diameter)
Luminous Width (90-270)	0.16 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	53355	53289	53009
55	49476	49409	49041
65	38854	38769	37834
75	19971	20524	19306
85	4280	4084	3424

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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	1127.400	1127.400	1127.400	1127.400	1127.400	1127.400	1127.400	1127.400	1127.400	1127.400
1	1127.700	1127.800	1127.700	1127.700	1127.600	1127.500	1127.500	1127.400	1127.200	1127.200
2	1127.500	1127.600	1127.700	1127.600	1127.600	1127.300	1127.300	1127.200	1127.100	1126.900
3	1127.200	1127.500	1127.600	1127.600	1127.500	1127.300	1127.100	1126.900	1126.700	1126.400
4	1127.000	1127.000	1127.300	1127.200	1127.200	1126.900	1126.700	1126.400	1126.100	1125.800
5	1126.400	1126.600	1126.700	1126.600	1126.600	1126.300	1126.100	1125.700	1125.500	1125.000
6	1125.400	1125.700	1125.800	1125.800	1125.700	1125.400	1125.100	1124.700	1124.300	1123.900
7	1124.100	1124.300	1124.700	1124.600	1124.500	1124.200	1123.700	1123.300	1123.000	1122.500
8	1122.600	1122.800	1123.000	1123.000	1122.700	1122.200	1122.000	1121.400	1121.100	1120.900
9	1120.700	1120.800	1120.900	1120.900	1120.800	1120.200	1119.900	1119.200	1119.100	1118.800
10	1118.400	1118.700	1118.600	1118.600	1118.300	1117.700	1117.300	1116.900	1116.600	1116.400
11	1115.800	1116.100	1115.900	1115.800	1115.500	1115.000	1114.500	1114.000	1113.800	1113.500
12	1112.800	1113.000	1112.800	1112.700	1112.600	1112.000	1111.500	1111.000	1110.600	1110.700
13	1109.500	1109.800	1109.300	1109.300	1109.200	1108.600	1108.200	1107.500	1107.100	1107.200
14	1106.000	1106.200	1105.600	1105.500	1105.500	1104.900	1104.700	1104.000	1103.600	1103.400
15	1102.000	1102.000	1101.600	1101.500	1101.600	1101.100	1100.600	1100.100	1099.400	1099.300
16	1097.600	1097.700	1097.500	1097.200	1097.400	1097.000	1096.500	1096.000	1095.000	1094.700
17	1093.000	1093.000	1092.700	1092.600	1092.800	1092.600	1092.000	1091.400	1090.400	1090.200
18	1088.000	1088.000	1087.900	1087.600	1087.900	1087.700	1087.200	1086.600	1085.400	1084.900
19	1082.500	1082.700	1082.600	1082.400	1082.500	1082.200	1082.000	1081.100	1080.100	1079.300
20	1076.700	1077.400	1077.000	1077.000	1076.800	1076.700	1076.400	1075.300	1074.000	1073.400
21	1070.800	1071.500	1071.300	1071.200	1070.800	1070.500	1070.200	1069.200	1068.100	1067.500
22	1064.600	1065.200	1065.200	1065.100	1064.400	1064.200	1064.000	1062.600	1061.900	1061.300
23	1058.000	1058.500	1058.800	1058.400	1057.800	1057.600	1057.500	1056.000	1055.600	1054.600
24	1051.200	1051.600	1052.100	1051.600	1050.900	1050.500	1050.400	1048.800	1048.500	1047.600
25	1044.200	1044.600	1044.700	1044.500	1044.100	1043.500	1043.500	1041.700	1041.100	1039.900
26	1036.700	1037.200	1037.400	1036.900	1036.800	1036.100	1035.800	1033.900	1033.100	1031.700
27	1028.600	1029.100	1029.300	1029.200	1029.100	1028.000	1027.600	1026.000	1025.000	1023.400
28	1020.100	1020.500	1020.700	1020.700	1020.800	1019.600	1019.000	1017.400	1016.600	1014.900
29	1011.100	1011.900	1011.800	1012.000	1012.200	1011.000	1010.100	1008.600	1007.500	1005.900
30	1001.800	1002.300	1002.300	1002.700	1003.100	1002.000	1000.700	999.390	998.210	996.490
31	991.910	992.750	992.880	993.150	993.390	992.430	991.080	989.780	988.450	986.760
32	981.820	983.160	983.250	983.450	983.470	982.740	981.570	980.440	978.810	977.370
33	971.390	972.780	973.310	973.450	973.110	972.890	971.610	970.440	969.320	967.890
34	961.100	962.560	963.200	963.430	963.050	963.090	961.500	960.070	959.110	957.080
35	950.730	952.390	953.060	952.920	952.570	952.110	950.550	948.650	947.800	945.370
36	938.730	940.530	940.830	940.700	939.420	938.960	937.340	935.240	933.200	931.490
37	923.450	924.500	924.410	923.870	922.100	920.870	918.410	917.010	915.820	914.920
38	904.570	904.430	903.880	903.350	900.640	898.780	896.540	895.550	895.240	895.180
39	882.480	882.160	881.500	880.150	878.570	876.130	873.130	871.800	872.810	872.840
40	859.640	858.960	858.380	856.390	855.750	853.470	850.710	848.460	850.070	850.010
41	837.650	837.280	836.400	834.480	834.160	831.930	829.490	827.210	827.840	827.730
42	816.420	816.400	815.560	813.950	814.190	811.630	809.370	806.660	806.860	806.910
43	796.600	796.960	796.480	794.900	794.720	792.370	790.600	788.170	787.360	787.140
44	777.080	778.790	777.540	776.120	775.730	773.550	771.820	769.260	768.370	768.070
45	758.880	760.240	758.810	757.950	757.210	755.130	753.960	751.160	749.550	749.350
46	740.610	741.530	740.500	739.010	738.120	736.230	735.010	731.970	730.680	730.070
47	722.110	722.300	721.620	719.980	718.500	717.370	716.330	713.650	711.720	710.840
48	703.550	703.940	703.260	701.350	699.640	698.500	697.320	695.430	693.130	691.900
49	685.140	685.170	684.560	682.790	681.380	680.120	678.470	676.630	673.950	673.160
50	666.540	665.970	665.370	664.730	663.000	661.910	659.850	657.970	654.890	654.340
51	647.450	647.010	646.300	646.100	644.130	643.090	641.720	639.060	636.240	635.560
52	628.550	628.430	627.790	627.400	625.290	624.400	623.700	621.150	617.740	616.540
53	609.510	609.380	608.480	608.420	606.170	605.100	604.740	602.080	598.740	597.730

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54	590.380	589.760	588.890	589.010	587.770	586.280	585.400	582.570	578.780	578.030
55	570.820	569.820	569.690	570.050	568.720	566.870	565.800	562.790	559.050	559.060
56	551.290	550.150	550.180	549.940	548.830	546.930	546.090	543.420	539.880	539.200
57	531.860	530.620	530.780	530.210	528.910	526.850	526.620	524.140	520.770	519.110
58	510.900	509.430	508.620	507.350	505.860	502.750	502.680	500.810	498.100	496.440
59	483.550	481.610	479.710	478.890	477.680	473.960	472.980	471.380	468.860	467.140
60	453.670	451.640	450.920	450.050	449.180	445.990	443.910	441.810	439.690	437.750
61	426.020	425.490	424.590	424.090	421.800	419.490	418.550	415.680	414.370	411.540
62	401.780	400.720	401.630	398.500	396.390	394.280	393.540	391.690	390.730	387.680
63	377.220	378.340	376.790	374.770	372.890	371.700	368.440	367.870	367.350	364.600
64	354.040	353.030	352.650	351.390	352.270	349.910	345.370	343.480	343.550	341.400
65	330.290	329.310	327.710	329.570	330.230	328.020	321.620	320.380	318.730	318.260
66	306.530	308.390	306.810	306.820	307.840	303.700	300.390	298.750	298.930	295.860
67	285.990	286.460	286.900	282.740	284.780	281.280	278.090	275.770	278.270	272.830
68	261.260	263.330	261.830	260.830	257.960	257.210	252.200	248.940	251.520	249.070
69	235.270	232.590	233.970	234.310	230.690	229.230	226.180	221.800	224.460	223.690
70	211.490	208.160	209.430	210.320	207.900	204.330	201.430	199.430	199.860	200.480
71	188.880	186.760	186.310	189.010	183.440	183.040	180.540	179.160	178.420	179.590
72	167.070	165.760	168.290	165.340	166.120	162.440	160.450	155.400	157.890	156.340
73	144.270	141.950	146.700	146.820	143.380	141.480	138.500	136.760	138.900	137.320
74	123.330	123.640	125.740	126.340	123.610	121.930	121.200	114.980	117.110	118.050
75	103.970	102.550	104.470	106.850	102.870	100.700	100.510	98.577	98.201	98.169
76	88.108	87.226	88.706	90.737	87.591	85.823	85.360	83.746	82.337	82.358
77	72.296	71.957	73.089	74.692	72.422	70.971	70.262	68.932	66.475	66.552
78	56.484	56.688	57.473	58.648	57.253	56.120	55.164	54.118	53.054	52.823
79	44.776	45.364	46.043	45.587	45.037	44.307	43.764	41.870	41.393	41.031
80	34.872	33.439	34.807	35.174	33.888	32.970	33.242	31.191	30.588	31.503
81	25.791	25.027	24.558	25.714	24.815	23.984	24.114	23.251	22.066	22.147
82	17.571	17.555	17.349	17.405	17.360	16.751	16.514	16.128	15.678	15.139
83	11.865	11.772	11.889	11.344	11.361	11.220	10.770	10.668	10.768	10.088
84	9.637	9.604	9.650	9.187	9.243	9.133	8.346	8.378	8.781	7.964
85	7.503	7.502	7.509	7.159	7.175	7.080	6.002	6.155	6.840	5.893
86	5.368	5.400	5.367	5.130	5.106	5.027	4.871	4.918	4.899	4.768
87	4.136	4.138	4.045	3.964	3.871	3.778	3.681	3.604	3.562	3.503
88	2.696	2.602	2.438	2.346	2.162	1.991	1.872	1.754	1.701	1.632
89	0.742	0.684	0.635	0.579	0.529	0.446	0.439	0.426	0.370	0.380
90	0.195	0.196	0.173	0.172	0.174	0.149	0.158	0.167	0.150	0.162
91	0.141	0.143	0.127	0.133	0.135	0.119	0.122	0.126	0.116	0.121
92	0.106	0.107	0.097	0.103	0.106	0.097	0.103	0.104	0.098	0.103
93	0.102	0.098	0.093	0.101	0.099	0.093	0.102	0.099	0.095	0.102
94	0.101	0.097	0.091	0.101	0.099	0.096	0.103	0.101	0.098	0.102
95	0.089	0.089	0.093	0.101	0.101	0.101	0.103	0.101	0.102	0.102
96	0.093	0.093	0.094	0.100	0.103	0.104	0.103	0.105	0.107	0.102
97	0.099	0.099	0.100	0.103	0.107	0.108	0.107	0.109	0.109	0.105
98	0.105	0.107	0.107	0.108	0.110	0.112	0.114	0.114	0.112	0.109
99	0.115	0.113	0.113	0.113	0.115	0.117	0.119	0.119	0.117	0.117
100	0.121	0.119	0.120	0.120	0.120	0.122	0.124	0.124	0.121	0.123
101	0.126	0.125	0.126	0.125	0.126	0.127	0.128	0.129	0.128	0.129
102	0.131	0.130	0.131	0.132	0.131	0.133	0.134	0.135	0.135	0.136
103	0.136	0.135	0.136	0.138	0.138	0.139	0.140	0.142	0.142	0.143
104	0.142	0.140	0.142	0.144	0.144	0.144	0.145	0.148	0.147	0.148
105	0.147	0.147	0.146	0.149	0.150	0.150	0.151	0.153	0.155	0.155
106	0.152	0.152	0.151	0.154	0.154	0.156	0.157	0.160	0.161	0.160
107	0.157	0.157	0.155	0.160	0.161	0.162	0.162	0.166	0.169	0.168
108	0.163	0.163	0.160	0.165	0.168	0.168	0.170	0.173	0.176	0.176
109	0.169	0.170	0.166	0.171	0.174	0.174	0.177	0.180	0.184	0.182

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110	0.175	0.177	0.171	0.178	0.182	0.182	0.185	0.188	0.192	0.190
111	0.183	0.184	0.178	0.184	0.190	0.190	0.193	0.196	0.199	0.199
112	0.192	0.191	0.185	0.192	0.199	0.199	0.203	0.204	0.209	0.209
113	0.200	0.199	0.192	0.200	0.208	0.208	0.213	0.213	0.220	0.218
114	0.209	0.208	0.201	0.208	0.217	0.218	0.222	0.224	0.230	0.227
115	0.219	0.217	0.210	0.217	0.227	0.228	0.232	0.236	0.240	0.238
116	0.230	0.227	0.219	0.226	0.237	0.237	0.243	0.247	0.251	0.248
117	0.243	0.238	0.230	0.235	0.246	0.248	0.254	0.259	0.263	0.259
118	0.256	0.248	0.240	0.246	0.255	0.258	0.265	0.269	0.273	0.269
119	0.268	0.256	0.252	0.256	0.263	0.270	0.276	0.281	0.285	0.280
120	0.280	0.266	0.263	0.267	0.274	0.282	0.286	0.291	0.296	0.292
121	0.294	0.280	0.275	0.279	0.286	0.292	0.297	0.302	0.306	0.303
122	0.307	0.295	0.287	0.292	0.300	0.303	0.308	0.314	0.318	0.314
123	0.322	0.312	0.299	0.305	0.314	0.313	0.319	0.322	0.328	0.326
124	0.337	0.326	0.312	0.317	0.327	0.325	0.331	0.333	0.337	0.341
125	0.351	0.340	0.324	0.330	0.341	0.337	0.342	0.344	0.349	0.355
126	0.364	0.350	0.338	0.343	0.355	0.347	0.351	0.355	0.360	0.371
127	0.376	0.361	0.351	0.356	0.369	0.358	0.363	0.366	0.371	0.381
128	0.389	0.376	0.364	0.365	0.383	0.367	0.374	0.378	0.383	0.392
129	0.402	0.391	0.375	0.373	0.398	0.376	0.384	0.388	0.397	0.402
130	0.415	0.404	0.387	0.381	0.413	0.385	0.394	0.400	0.412	0.412
131	0.427	0.419	0.401	0.391	0.429	0.397	0.406	0.414	0.428	0.425
132	0.438	0.431	0.416	0.404	0.443	0.412	0.420	0.429	0.440	0.438
133	0.448	0.443	0.432	0.416	0.452	0.429	0.436	0.446	0.449	0.450
134	0.459	0.454	0.444	0.425	0.458	0.445	0.450	0.460	0.459	0.462
135	0.468	0.462	0.453	0.428	0.463	0.457	0.461	0.466	0.467	0.471
136	0.476	0.468	0.460	0.432	0.465	0.466	0.464	0.472	0.476	0.480
137	0.482	0.476	0.467	0.439	0.468	0.474	0.468	0.477	0.483	0.489
138	0.488	0.483	0.475	0.452	0.473	0.483	0.479	0.482	0.489	0.499
139	0.497	0.491	0.481	0.466	0.476	0.492	0.488	0.489	0.495	0.507
140	0.505	0.498	0.482	0.479	0.481	0.502	0.491	0.496	0.499	0.512
141	0.513	0.503	0.484	0.485	0.486	0.509	0.498	0.503	0.505	0.519
142	0.518	0.508	0.490	0.489	0.493	0.515	0.505	0.510	0.511	0.525
143	0.520	0.513	0.496	0.493	0.502	0.522	0.510	0.515	0.519	0.527
144	0.519	0.517	0.501	0.492	0.512	0.525	0.511	0.519	0.527	0.528
145	0.519	0.521	0.505	0.490	0.517	0.528	0.513	0.523	0.533	0.529
146	0.520	0.526	0.507	0.488	0.520	0.527	0.518	0.526	0.536	0.531
147	0.523	0.530	0.511	0.494	0.522	0.526	0.521	0.529	0.538	0.534
148	0.529	0.533	0.520	0.500	0.522	0.525	0.522	0.532	0.538	0.537
149	0.534	0.537	0.527	0.505	0.521	0.524	0.523	0.536	0.540	0.540
150	0.540	0.544	0.534	0.510	0.517	0.522	0.523	0.538	0.543	0.547
151	0.549	0.555	0.543	0.516	0.516	0.521	0.523	0.541	0.549	0.555
152	0.562	0.566	0.555	0.522	0.517	0.524	0.526	0.548	0.559	0.565
153	0.571	0.576	0.571	0.528	0.521	0.533	0.528	0.556	0.568	0.573
154	0.580	0.587	0.587	0.534	0.531	0.542	0.534	0.563	0.576	0.583
155	0.589	0.599	0.600	0.537	0.540	0.551	0.538	0.570	0.583	0.593
156	0.598	0.609	0.612	0.540	0.545	0.556	0.543	0.576	0.591	0.601
157	0.610	0.619	0.621	0.545	0.548	0.560	0.544	0.584	0.599	0.610
158	0.620	0.627	0.629	0.550	0.551	0.561	0.543	0.593	0.606	0.620
159	0.629	0.635	0.634	0.557	0.552	0.560	0.537	0.602	0.613	0.629
160	0.636	0.640	0.637	0.567	0.554	0.561	0.532	0.608	0.619	0.637
161	0.640	0.646	0.640	0.581	0.556	0.560	0.530	0.611	0.624	0.643
162	0.640	0.648	0.646	0.590	0.557	0.560	0.529	0.611	0.629	0.646
163	0.645	0.656	0.655	0.600	0.564	0.563	0.538	0.616	0.638	0.652
164	0.651	0.665	0.662	0.612	0.575	0.574	0.554	0.625	0.650	0.662
165	0.659	0.676	0.669	0.627	0.588	0.590	0.572	0.638	0.665	0.672

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CANDELA TABULATION - (Cont.)

166	0.669	0.688	0.681	0.641	0.602	0.607	0.590	0.651	0.681	0.686
167	0.682	0.698	0.692	0.658	0.619	0.620	0.601	0.660	0.693	0.696
168	0.690	0.704	0.702	0.668	0.625	0.624	0.605	0.665	0.698	0.700
169	0.695	0.705	0.706	0.676	0.621	0.621	0.607	0.665	0.697	0.698
170	0.693	0.702	0.702	0.678	0.612	0.615	0.606	0.654	0.686	0.691
171	0.683	0.696	0.693	0.673	0.603	0.610	0.601	0.639	0.675	0.680
172	0.684	0.695	0.691	0.678	0.609	0.613	0.598	0.630	0.673	0.676
173	0.693	0.704	0.700	0.691	0.622	0.621	0.600	0.631	0.679	0.681
174	0.719	0.731	0.726	0.718	0.648	0.636	0.607	0.646	0.692	0.704
175	0.751	0.764	0.761	0.752	0.679	0.656	0.634	0.669	0.715	0.732
176	0.764	0.782	0.777	0.765	0.694	0.674	0.651	0.683	0.731	0.740
177	0.761	0.777	0.775	0.763	0.694	0.687	0.661	0.680	0.728	0.732
178	0.749	0.767	0.764	0.754	0.699	0.688	0.655	0.673	0.715	0.717
179	0.738	0.757	0.754	0.745	0.707	0.694	0.665	0.667	0.697	0.708
180	0.726	0.726	0.726	0.726	0.726	0.726	0.726	0.726	0.726	0.726

**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	1127.400	1127.400	1127.400	1127.400	1127.400	1127.400	1127.400	1127.400	1127.400	1127.400
1	1127.000	1127.000	1127.100	1127.100	1126.900	1126.900	1126.900	1126.900	1127.100	1127.200
2	1126.700	1126.500	1126.600	1126.500	1126.100	1126.200	1126.300	1126.400	1126.500	1126.700
3	1126.100	1126.000	1126.100	1126.100	1125.700	1125.700	1125.600	1125.700	1125.900	1126.100
4	1125.600	1125.500	1125.500	1125.500	1125.200	1125.000	1125.000	1125.100	1125.200	1125.600
5	1124.700	1124.700	1124.800	1124.700	1124.300	1124.400	1124.300	1124.500	1124.500	1125.000
6	1123.800	1123.500	1123.800	1123.700	1123.200	1123.200	1123.300	1123.400	1123.500	1124.100
7	1122.400	1122.200	1122.400	1122.300	1121.900	1121.800	1121.900	1121.900	1122.100	1122.600
8	1120.600	1120.500	1120.900	1120.700	1120.200	1120.000	1120.000	1120.100	1120.400	1121.000
9	1118.500	1118.400	1119.200	1118.900	1118.300	1118.100	1118.100	1118.300	1118.500	1119.000
10	1116.300	1115.900	1116.600	1116.300	1115.600	1115.500	1115.400	1115.700	1116.100	1116.600
11	1113.300	1113.000	1113.300	1113.100	1112.400	1112.200	1112.200	1112.400	1112.900	1113.400
12	1110.200	1109.800	1110.200	1109.700	1109.000	1108.800	1108.800	1109.000	1109.400	1110.000
13	1106.700	1106.100	1106.600	1106.200	1105.300	1105.100	1105.100	1105.400	1105.700	1106.400
14	1102.800	1102.200	1102.800	1102.300	1101.600	1101.300	1101.200	1101.400	1101.900	1102.500
15	1098.600	1098.000	1098.600	1098.100	1097.400	1097.200	1097.000	1097.200	1097.800	1098.300
16	1094.200	1093.600	1094.300	1093.500	1092.700	1092.700	1092.500	1092.500	1093.300	1093.800
17	1089.500	1089.000	1089.400	1088.800	1087.800	1088.000	1087.900	1087.900	1088.600	1089.200
18	1084.300	1083.700	1084.200	1083.500	1082.500	1082.700	1082.800	1082.600	1083.500	1084.200
19	1078.900	1078.100	1078.600	1078.100	1077.200	1077.300	1077.500	1077.100	1078.100	1078.600
20	1072.900	1072.100	1072.500	1071.900	1071.200	1071.400	1071.600	1071.300	1072.400	1072.900
21	1066.800	1066.000	1066.300	1065.700	1065.100	1065.300	1065.600	1065.300	1066.200	1067.000
22	1060.400	1059.500	1059.500	1058.900	1058.300	1058.700	1059.000	1058.800	1059.800	1060.500
23	1053.800	1052.600	1052.700	1051.900	1051.400	1051.700	1052.000	1052.200	1053.100	1053.800
24	1046.200	1045.200	1045.600	1044.700	1044.200	1044.600	1045.000	1044.900	1046.300	1046.600
25	1038.600	1037.300	1037.900	1037.200	1036.800	1037.100	1037.200	1037.600	1038.900	1039.300
26	1030.700	1029.300	1029.700	1029.100	1028.500	1029.300	1029.500	1029.800	1031.500	1032.100
27	1022.400	1020.900	1021.500	1020.700	1020.200	1020.800	1021.100	1021.400	1023.200	1024.200
28	1013.800	1012.200	1012.800	1012.000	1011.400	1011.900	1012.700	1012.700	1014.800	1015.800
29	1005.000	1003.300	1003.800	1003.100	1002.300	1002.700	1003.400	1003.700	1005.700	1006.500
30	995.840	993.820	994.300	993.860	992.990	993.390	994.400	994.570	996.730	997.390
31	986.480	984.530	984.770	984.060	983.220	983.870	985.230	985.040	987.110	987.630
32	976.970	975.200	975.250	974.090	973.300	973.990	975.190	975.070	976.980	977.540
33	966.710	965.290	965.410	964.190	963.360	963.780	965.060	964.850	966.700	966.870
34	955.430	954.480	955.230	954.190	953.290	953.290	954.750	954.130	956.210	956.010
35	943.730	943.150	943.900	943.000	942.630	943.100	944.190	943.710	945.750	945.470
36	931.690	931.290	931.350	930.460	930.260	931.190	932.650	932.270	934.290	934.900

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CANDELA TABULATION - (Cont.)

37	916.330	917.360	918.570	918.330	918.110	918.730	920.030	920.530	921.950	923.220
38	897.210	899.880	903.140	903.910	903.530	904.090	905.920	906.360	908.700	909.850
39	875.040	878.850	884.400	885.800	886.370	887.340	888.820	890.180	892.720	894.000
40	851.350	855.180	861.540	864.100	865.140	866.450	867.560	869.830	872.290	874.050
41	828.490	831.630	837.540	839.950	841.730	842.900	844.650	847.260	848.380	851.290
42	806.930	809.020	814.480	816.380	818.260	819.410	821.370	823.330	824.100	827.110
43	786.610	787.850	792.410	793.770	795.720	796.910	798.640	800.620	800.220	803.800
44	766.820	767.600	772.260	772.680	774.240	775.920	777.360	779.390	778.210	781.620
45	747.720	748.210	752.460	752.610	753.700	755.400	756.940	758.870	757.730	760.910
46	728.700	728.890	733.150	733.130	734.320	735.890	737.560	739.650	738.340	741.710
47	709.520	709.340	713.180	713.120	713.980	715.420	717.520	719.250	717.950	721.240
48	690.480	690.400	693.790	693.990	694.930	695.670	698.040	699.840	698.620	702.040
49	672.010	670.870	674.410	674.490	676.070	676.040	679.260	680.120	679.950	682.670
50	653.510	651.920	655.630	655.080	656.380	656.550	659.870	661.420	661.680	663.400
51	634.860	632.650	637.010	635.930	637.120	636.960	639.840	641.990	642.750	643.960
52	615.630	613.160	617.310	616.340	617.230	617.300	619.780	622.410	623.590	624.360
53	595.950	593.660	597.010	596.720	597.690	598.950	600.420	603.600	604.870	605.480
54	576.550	574.750	577.090	576.710	577.700	580.110	580.620	584.040	585.610	585.580
55	557.020	555.840	558.070	557.170	557.870	560.390	560.850	564.780	565.900	565.600
56	536.650	535.620	538.140	537.490	537.640	540.050	540.390	543.590	545.600	545.110
57	516.100	514.710	517.920	517.420	517.060	519.620	520.530	523.480	525.690	525.370
58	493.740	493.140	497.010	497.150	497.140	499.460	501.210	503.440	506.250	506.570
59	465.970	466.740	471.980	473.290	474.110	476.690	479.270	481.850	485.540	485.790
60	436.720	438.320	442.920	443.280	444.960	446.460	449.420	452.260	456.600	457.550
61	411.070	410.740	415.720	415.880	415.590	417.500	419.020	421.920	426.450	427.240
62	386.600	384.350	388.690	389.730	388.640	391.740	393.810	396.800	400.640	401.810
63	362.770	359.940	364.010	363.930	366.210	368.140	370.240	373.390	376.350	377.060
64	339.440	336.550	341.020	340.650	343.410	343.820	348.180	350.260	352.650	353.940
65	316.870	314.950	319.140	319.080	319.050	320.540	322.930	325.120	327.730	329.070
66	294.720	292.390	297.160	295.920	297.380	297.160	300.350	300.550	304.560	306.790
67	272.790	269.660	272.350	274.130	273.720	275.410	277.800	280.720	282.990	284.600
68	248.840	245.470	252.000	249.080	253.690	254.480	257.430	260.150	261.500	261.850
69	219.540	219.680	225.540	224.930	226.830	229.640	228.700	234.190	236.360	237.050
70	196.320	193.270	199.090	200.760	199.970	204.800	200.160	208.230	211.220	212.260
71	174.550	171.910	176.070	175.180	178.350	179.980	180.760	182.430	186.120	187.510
72	154.740	152.750	152.730	155.930	157.470	159.640	160.690	162.710	166.500	167.090
73	133.090	132.160	135.850	135.200	138.470	138.440	139.240	141.470	145.560	146.450
74	112.850	113.120	114.680	114.940	119.800	119.210	118.970	123.040	125.640	126.470
75	95.844	95.833	95.498	95.869	99.126	101.300	100.210	102.490	104.580	104.730
76	79.498	78.589	79.221	80.046	82.389	82.749	83.270	83.636	86.068	88.071
77	63.154	61.346	64.010	65.430	66.678	68.646	69.116	67.748	70.705	71.825
78	51.511	50.818	52.031	51.756	54.320	53.709	55.961	56.401	57.771	58.172
79	40.063	38.436	40.422	41.702	42.357	43.014	42.746	44.585	45.311	46.053
80	29.393	29.101	30.367	31.358	31.332	32.762	32.747	33.014	35.050	34.726
81	20.964	21.090	23.702	24.423	24.474	25.529	25.640	26.038	27.512	27.417
82	14.809	14.191	17.036	17.488	17.617	18.296	18.532	19.062	19.974	20.107
83	9.915	9.863	10.426	10.614	10.859	11.156	11.481	12.126	12.470	12.881
84	7.967	7.959	7.563	7.804	7.911	7.987	8.190	8.552	8.566	8.803
85	6.025	6.086	6.223	6.448	6.530	6.450	6.747	6.888	6.802	7.000
86	4.796	4.829	5.056	5.201	5.327	5.320	5.518	5.667	5.558	5.758
87	3.473	3.515	3.855	3.948	4.050	4.166	4.289	4.343	4.417	4.506
88	1.589	1.594	2.127	2.220	2.360	2.543	2.674	2.809	2.973	3.086
89	0.388	0.374	0.516	0.554	0.590	0.653	0.771	0.852	0.960	1.042
90	0.169	0.154	0.233	0.248	0.235	0.247	0.272	0.271	0.292	0.318
91	0.126	0.118	0.215	0.226	0.214	0.221	0.234	0.222	0.228	0.238
92	0.104	0.097	0.195	0.200	0.190	0.196	0.200	0.188	0.196	0.201

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CANDELA TABULATION - (Cont.)

93	0.100	0.095	0.202	0.200	0.193	0.202	0.197	0.190	0.197	0.195
94	0.093	0.089	0.207	0.204	0.202	0.208	0.204	0.199	0.205	0.201
95	0.092	0.090	0.202	0.203	0.208	0.216	0.212	0.210	0.211	0.208
96	0.096	0.096	0.216	0.214	0.217	0.222	0.223	0.221	0.218	0.218
97	0.105	0.105	0.229	0.229	0.229	0.232	0.234	0.233	0.229	0.229
98	0.111	0.113	0.244	0.245	0.244	0.244	0.246	0.245	0.241	0.241
99	0.119	0.118	0.260	0.258	0.258	0.256	0.257	0.258	0.255	0.254
100	0.126	0.123	0.272	0.271	0.270	0.270	0.269	0.269	0.268	0.266
101	0.132	0.128	0.285	0.282	0.283	0.282	0.282	0.281	0.279	0.277
102	0.138	0.134	0.296	0.294	0.295	0.295	0.295	0.293	0.292	0.290
103	0.144	0.141	0.307	0.305	0.307	0.308	0.308	0.305	0.304	0.304
104	0.150	0.145	0.318	0.316	0.317	0.319	0.318	0.317	0.316	0.315
105	0.154	0.150	0.327	0.325	0.325	0.327	0.327	0.325	0.325	0.324
106	0.161	0.158	0.332	0.330	0.330	0.333	0.333	0.332	0.332	0.331
107	0.168	0.164	0.336	0.334	0.333	0.337	0.336	0.336	0.337	0.336
108	0.174	0.171	0.339	0.337	0.336	0.340	0.340	0.339	0.342	0.341
109	0.182	0.177	0.341	0.339	0.339	0.344	0.343	0.342	0.344	0.344
110	0.190	0.184	0.341	0.338	0.342	0.346	0.344	0.344	0.346	0.345
111	0.198	0.191	0.341	0.338	0.343	0.348	0.345	0.346	0.349	0.347
112	0.206	0.199	0.339	0.339	0.344	0.349	0.346	0.348	0.350	0.349
113	0.215	0.207	0.339	0.339	0.344	0.349	0.347	0.348	0.351	0.350
114	0.224	0.217	0.338	0.338	0.344	0.349	0.348	0.348	0.351	0.351
115	0.233	0.227	0.337	0.339	0.344	0.349	0.348	0.349	0.352	0.351
116	0.244	0.237	0.341	0.340	0.342	0.350	0.349	0.349	0.352	0.351
117	0.256	0.249	0.342	0.341	0.344	0.350	0.348	0.350	0.352	0.351
118	0.267	0.260	0.344	0.344	0.346	0.351	0.348	0.349	0.352	0.350
119	0.279	0.272	0.358	0.352	0.350	0.354	0.349	0.350	0.352	0.350
120	0.291	0.283	0.365	0.358	0.353	0.357	0.350	0.352	0.353	0.351
121	0.304	0.295	0.368	0.364	0.357	0.361	0.353	0.354	0.355	0.352
122	0.315	0.308	0.373	0.369	0.361	0.365	0.358	0.357	0.358	0.355
123	0.327	0.321	0.381	0.376	0.367	0.373	0.365	0.364	0.364	0.359
124	0.339	0.334	0.391	0.384	0.375	0.381	0.374	0.374	0.372	0.369
125	0.351	0.347	0.398	0.393	0.385	0.392	0.384	0.386	0.380	0.379
126	0.363	0.359	0.407	0.402	0.395	0.403	0.394	0.397	0.391	0.388
127	0.376	0.374	0.416	0.412	0.407	0.415	0.405	0.409	0.404	0.398
128	0.389	0.388	0.427	0.423	0.421	0.426	0.417	0.421	0.416	0.408
129	0.405	0.402	0.441	0.437	0.436	0.436	0.432	0.433	0.427	0.419
130	0.421	0.416	0.455	0.454	0.454	0.450	0.448	0.448	0.439	0.433
131	0.436	0.428	0.468	0.468	0.469	0.464	0.464	0.461	0.456	0.451
132	0.450	0.442	0.482	0.482	0.486	0.480	0.481	0.478	0.474	0.468
133	0.464	0.459	0.492	0.492	0.496	0.493	0.488	0.494	0.492	0.482
134	0.476	0.472	0.504	0.505	0.510	0.509	0.501	0.512	0.508	0.495
135	0.483	0.481	0.513	0.517	0.523	0.524	0.515	0.524	0.523	0.504
136	0.488	0.490	0.523	0.529	0.534	0.540	0.529	0.533	0.532	0.510
137	0.493	0.495	0.532	0.540	0.545	0.555	0.544	0.543	0.540	0.516
138	0.497	0.502	0.537	0.551	0.556	0.571	0.558	0.555	0.548	0.522
139	0.502	0.506	0.545	0.562	0.566	0.585	0.571	0.569	0.557	0.531
140	0.505	0.509	0.558	0.571	0.576	0.598	0.585	0.580	0.569	0.541
141	0.508	0.511	0.568	0.578	0.586	0.610	0.597	0.592	0.577	0.547
142	0.512	0.513	0.576	0.588	0.597	0.620	0.612	0.606	0.587	0.557
143	0.519	0.517	0.587	0.602	0.609	0.632	0.628	0.621	0.599	0.572
144	0.522	0.521	0.596	0.609	0.621	0.643	0.644	0.634	0.613	0.586
145	0.524	0.523	0.611	0.621	0.635	0.654	0.657	0.650	0.627	0.598
146	0.527	0.526	0.624	0.635	0.647	0.665	0.669	0.665	0.640	0.610
147	0.529	0.528	0.634	0.650	0.658	0.676	0.679	0.679	0.653	0.622
148	0.531	0.530	0.644	0.661	0.667	0.687	0.689	0.688	0.662	0.633

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

149	0.535	0.535	0.657	0.674	0.676	0.697	0.696	0.697	0.670	0.635
150	0.542	0.539	0.672	0.686	0.684	0.708	0.704	0.704	0.674	0.645
151	0.551	0.546	0.682	0.696	0.695	0.719	0.711	0.711	0.667	0.661
152	0.562	0.553	0.693	0.704	0.708	0.724	0.717	0.713	0.665	0.667
153	0.575	0.560	0.703	0.711	0.723	0.726	0.716	0.713	0.672	0.668
154	0.588	0.567	0.711	0.713	0.734	0.732	0.717	0.716	0.675	0.667
155	0.602	0.578	0.718	0.722	0.743	0.740	0.723	0.721	0.683	0.669
156	0.613	0.589	0.726	0.734	0.753	0.748	0.729	0.725	0.689	0.672
157	0.620	0.602	0.739	0.747	0.761	0.758	0.736	0.731	0.693	0.677
158	0.629	0.613	0.752	0.760	0.767	0.770	0.744	0.738	0.697	0.678
159	0.636	0.621	0.765	0.772	0.775	0.784	0.753	0.744	0.700	0.678
160	0.641	0.626	0.776	0.779	0.781	0.796	0.763	0.753	0.706	0.677
161	0.645	0.631	0.781	0.784	0.786	0.804	0.772	0.759	0.710	0.676
162	0.648	0.633	0.783	0.785	0.789	0.807	0.780	0.763	0.711	0.672
163	0.653	0.640	0.784	0.785	0.792	0.806	0.786	0.765	0.714	0.667
164	0.660	0.650	0.783	0.784	0.796	0.808	0.793	0.768	0.717	0.675
165	0.671	0.662	0.780	0.783	0.802	0.810	0.800	0.773	0.720	0.681
166	0.683	0.676	0.781	0.786	0.810	0.813	0.809	0.784	0.728	0.698
167	0.692	0.688	0.784	0.788	0.813	0.816	0.817	0.793	0.735	0.708
168	0.696	0.694	0.783	0.787	0.812	0.817	0.818	0.797	0.734	0.713
169	0.695	0.696	0.779	0.782	0.803	0.812	0.812	0.791	0.726	0.705
170	0.687	0.689	0.771	0.773	0.791	0.803	0.802	0.779	0.715	0.693
171	0.676	0.679	0.763	0.765	0.782	0.796	0.796	0.775	0.706	0.681
172	0.674	0.679	0.765	0.768	0.784	0.798	0.792	0.777	0.709	0.669
173	0.682	0.687	0.771	0.774	0.788	0.799	0.790	0.777	0.709	0.664
174	0.705	0.710	0.775	0.778	0.793	0.802	0.786	0.775	0.711	0.671
175	0.736	0.743	0.781	0.782	0.800	0.806	0.787	0.774	0.715	0.680
176	0.751	0.761	0.774	0.776	0.794	0.800	0.781	0.766	0.717	0.683
177	0.745	0.756	0.767	0.769	0.785	0.788	0.773	0.758	0.714	0.690
178	0.730	0.744	0.750	0.753	0.766	0.769	0.756	0.735	0.701	0.688
179	0.714	0.733	0.738	0.739	0.755	0.756	0.743	0.723	0.700	0.687
180	0.726	0.726	0.726	0.726	0.726	0.726	0.726	0.726	0.726	0.726

Vert. Angles	Horizontal Angles				
	<u>300</u>	<u>315</u>	<u>330</u>	<u>345</u>	<u>360</u>
0	1127.400	1127.400	1127.400	1127.400	1127.400
1	1127.300	1127.300	1127.400	1127.600	1127.700
2	1126.800	1126.900	1127.100	1127.300	1127.500
3	1126.300	1126.600	1126.900	1127.000	1127.200
4	1125.900	1126.100	1126.400	1126.700	1127.000
5	1125.300	1125.500	1125.900	1126.100	1126.400
6	1124.300	1124.600	1125.000	1125.100	1125.400
7	1122.900	1123.400	1123.700	1123.900	1124.100
8	1121.300	1121.900	1122.300	1122.600	1122.600
9	1119.600	1120.300	1120.600	1121.000	1120.700
10	1117.400	1118.100	1118.500	1118.800	1118.400
11	1114.400	1115.200	1115.600	1116.000	1115.800
12	1111.100	1111.900	1112.300	1112.900	1112.800
13	1107.400	1108.400	1109.100	1109.700	1109.500
14	1103.500	1104.600	1105.500	1106.100	1106.000
15	1099.300	1100.500	1101.700	1102.300	1102.000
16	1094.900	1096.000	1097.400	1098.100	1097.600
17	1090.100	1091.100	1092.700	1093.400	1093.000
18	1085.000	1086.200	1087.700	1088.400	1088.000
19	1079.600	1080.600	1082.400	1083.200	1082.500

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CANDELA TABULATION - (Cont.)

20	1073.800	1074.900	1076.800	1077.600	1076.700
21	1067.800	1068.800	1070.700	1071.600	1070.800
22	1061.600	1062.500	1064.300	1065.200	1064.600
23	1055.300	1056.000	1057.500	1058.700	1058.000
24	1048.100	1048.900	1050.500	1051.800	1051.200
25	1041.000	1041.700	1043.100	1044.600	1044.200
26	1033.400	1034.000	1035.600	1036.900	1036.700
27	1025.500	1026.100	1027.600	1028.800	1028.600
28	1017.000	1017.600	1019.100	1020.500	1020.100
29	1008.100	1008.700	1010.500	1011.700	1011.100
30	998.710	999.440	1001.300	1002.300	1001.800
31	989.080	989.720	991.570	992.600	991.910
32	979.110	979.670	981.790	982.440	981.820
33	968.510	969.140	971.380	972.170	971.390
34	958.130	958.700	961.000	961.850	961.100
35	947.390	948.180	950.700	951.730	950.730
36	936.290	937.560	940.270	941.150	938.730
37	925.070	926.230	928.380	926.990	923.450
38	912.110	912.610	912.390	910.470	904.570
39	895.620	895.410	893.060	889.880	882.480
40	874.920	873.480	870.290	867.550	859.640
41	851.860	849.170	846.740	844.930	837.650
42	828.090	825.450	823.990	823.240	816.420
43	805.500	802.980	802.650	803.250	796.600
44	783.960	782.390	782.510	783.490	777.080
45	763.510	762.670	762.880	764.560	758.880
46	743.800	743.870	744.020	745.630	740.610
47	723.640	724.450	724.430	726.060	722.110
48	704.560	705.170	705.040	706.820	703.550
49	685.340	686.170	685.760	687.200	685.140
50	666.270	666.770	667.060	668.550	666.540
51	646.910	647.570	648.490	649.980	647.450
52	627.460	628.420	629.320	630.800	628.550
53	607.860	609.220	610.000	611.410	609.510
54	587.800	589.860	590.290	591.950	590.380
55	567.930	570.730	571.520	573.570	570.820
56	547.920	551.600	552.250	553.920	551.290
57	527.870	531.650	532.270	533.980	531.860
58	507.390	510.820	511.740	513.010	510.900
59	485.360	488.840	488.580	487.930	483.550
60	457.100	460.420	459.920	459.330	453.670
61	428.390	431.930	431.750	432.780	426.020
62	402.040	405.970	405.500	407.390	401.780
63	377.520	378.850	380.080	381.690	377.220
64	353.200	355.380	355.530	358.640	354.040
65	331.570	332.190	334.810	335.120	330.290
66	308.890	311.240	311.530	313.050	306.530
67	287.280	285.060	289.650	288.930	285.990
68	264.290	262.060	267.090	268.210	261.260
69	238.330	237.780	241.080	242.220	235.270
70	212.370	213.510	215.070	216.220	211.490
71	186.450	189.250	189.080	190.350	188.880
72	165.320	165.880	166.130	168.800	167.070
73	146.030	145.890	147.660	150.080	144.270
74	127.060	128.070	125.160	130.640	123.330
75	104.290	105.580	104.420	108.530	103.970

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CANDELA TABULATION - (Cont.)

76	87.688	88.198	84.940	89.513	88.108
77	72.259	71.393	72.180	71.471	72.296
78	57.096	57.401	56.786	58.296	56.484
79	46.894	45.580	45.437	46.775	44.776
80	34.788	35.340	34.798	35.244	34.872
81	27.459	27.846	27.563	27.771	25.791
82	20.130	20.351	20.329	20.297	17.571
83	12.915	12.934	13.131	12.857	11.865
84	8.976	8.800	8.960	8.990	9.637
85	7.004	6.868	6.900	6.891	7.503
86	5.803	5.647	5.764	5.790	5.368
87	4.495	4.483	4.518	4.493	4.136
88	3.126	3.179	3.139	3.051	2.696
89	1.043	1.098	1.103	1.081	0.742
90	0.314	0.318	0.336	0.311	0.195
91	0.222	0.226	0.233	0.215	0.141
92	0.191	0.198	0.200	0.187	0.106
93	0.189	0.196	0.193	0.185	0.102
94	0.196	0.204	0.194	0.191	0.101
95	0.207	0.209	0.198	0.191	0.089
96	0.219	0.215	0.205	0.204	0.093
97	0.232	0.224	0.220	0.218	0.099
98	0.240	0.235	0.235	0.235	0.105
99	0.252	0.248	0.249	0.250	0.115
100	0.264	0.262	0.263	0.261	0.121
101	0.278	0.276	0.275	0.272	0.126
102	0.290	0.288	0.287	0.284	0.131
103	0.303	0.301	0.298	0.297	0.136
104	0.315	0.313	0.309	0.309	0.142
105	0.323	0.322	0.318	0.315	0.147
106	0.329	0.328	0.324	0.321	0.152
107	0.334	0.332	0.329	0.327	0.157
108	0.337	0.335	0.334	0.330	0.163
109	0.341	0.337	0.337	0.331	0.169
110	0.343	0.338	0.338	0.332	0.175
111	0.345	0.339	0.338	0.333	0.183
112	0.346	0.340	0.337	0.332	0.192
113	0.347	0.341	0.336	0.330	0.200
114	0.347	0.340	0.335	0.329	0.209
115	0.347	0.341	0.335	0.328	0.219
116	0.346	0.342	0.335	0.331	0.230
117	0.346	0.341	0.334	0.333	0.243
118	0.347	0.342	0.337	0.336	0.256
119	0.347	0.345	0.340	0.344	0.268
120	0.348	0.349	0.345	0.350	0.280
121	0.351	0.351	0.347	0.355	0.294
122	0.356	0.356	0.352	0.361	0.307
123	0.361	0.360	0.357	0.367	0.322
124	0.367	0.368	0.363	0.376	0.337
125	0.375	0.375	0.368	0.383	0.351
126	0.383	0.382	0.376	0.392	0.364
127	0.393	0.385	0.386	0.402	0.376
128	0.405	0.391	0.398	0.414	0.389
129	0.418	0.402	0.413	0.425	0.402
130	0.432	0.413	0.430	0.439	0.415
131	0.446	0.427	0.445	0.454	0.427

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CANDELA TABULATION - (Cont.)

132	0.452	0.442	0.460	0.469	0.438
133	0.459	0.451	0.472	0.478	0.448
134	0.465	0.463	0.484	0.494	0.459
135	0.472	0.478	0.497	0.505	0.468
136	0.481	0.492	0.506	0.515	0.476
137	0.494	0.509	0.517	0.526	0.482
138	0.507	0.524	0.523	0.534	0.488
139	0.520	0.534	0.535	0.540	0.497
140	0.537	0.540	0.548	0.555	0.505
141	0.554	0.548	0.558	0.567	0.513
142	0.572	0.561	0.571	0.578	0.518
143	0.589	0.574	0.583	0.588	0.520
144	0.604	0.588	0.595	0.599	0.519
145	0.605	0.603	0.604	0.604	0.519
146	0.608	0.617	0.612	0.621	0.520
147	0.620	0.627	0.619	0.631	0.523
148	0.631	0.637	0.629	0.639	0.529
149	0.640	0.646	0.644	0.650	0.534
150	0.646	0.658	0.662	0.664	0.540
151	0.652	0.668	0.679	0.678	0.549
152	0.655	0.673	0.692	0.692	0.562
153	0.658	0.673	0.705	0.708	0.571
154	0.657	0.669	0.714	0.715	0.580
155	0.669	0.670	0.725	0.725	0.589
156	0.678	0.674	0.738	0.736	0.598
157	0.688	0.681	0.746	0.747	0.610
158	0.694	0.688	0.753	0.759	0.620
159	0.699	0.694	0.759	0.769	0.629
160	0.703	0.702	0.762	0.777	0.636
161	0.700	0.713	0.764	0.783	0.640
162	0.703	0.719	0.762	0.786	0.640
163	0.707	0.714	0.760	0.785	0.645
164	0.710	0.712	0.760	0.781	0.651
165	0.712	0.710	0.759	0.781	0.659
166	0.714	0.709	0.754	0.782	0.669
167	0.713	0.708	0.749	0.781	0.682
168	0.709	0.699	0.745	0.780	0.690
169	0.702	0.687	0.739	0.775	0.695
170	0.692	0.675	0.733	0.766	0.693
171	0.690	0.671	0.734	0.757	0.683
172	0.697	0.675	0.739	0.757	0.684
173	0.704	0.680	0.744	0.761	0.693
174	0.708	0.686	0.753	0.764	0.719
175	0.709	0.694	0.757	0.770	0.751
176	0.705	0.692	0.751	0.762	0.764
177	0.692	0.691	0.743	0.748	0.761
178	0.673	0.691	0.726	0.727	0.749
179	0.662	0.688	0.711	0.713	0.738
180	0.726	0.726	0.726	0.726	0.726

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	417.86	N.A.	13.80
0-30	897.82	N.A.	29.70
0-40	1487.66	N.A.	49.20
0-60	2574.78	N.A.	85.20
0-80	3010.46	N.A.	99.60
0-90	3021.17	N.A.	99.90
10-90	2914.00	N.A.	96.40
20-40	1069.8	N.A.	35.40
20-50	1654.4	N.A.	54.70
40-70	1409.14	N.A.	46.60
60-80	435.68	N.A.	14.40
70-80	113.66	N.A.	3.80
80-90	10.71	N.A.	0.40
90-110	0.43	N.A.	0.00
90-120	0.71	N.A.	0.00
90-130	1.04	N.A.	0.00
90-150	1.77	N.A.	0.10
90-180	2.33	N.A.	0.10
110-180	1.90	N.A.	0.10
0-180	3023.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	107.17
10-20	310.69
20-30	479.96
30-40	589.84
40-50	584.60
50-60	502.52
60-70	322.02
70-80	113.66
80-90	10.71
90-100	0.18
100-110	0.25
110-120	0.28
120-130	0.33
130-140	0.37
140-150	0.36
150-160	0.30
160-170	0.20
170-180	0.07

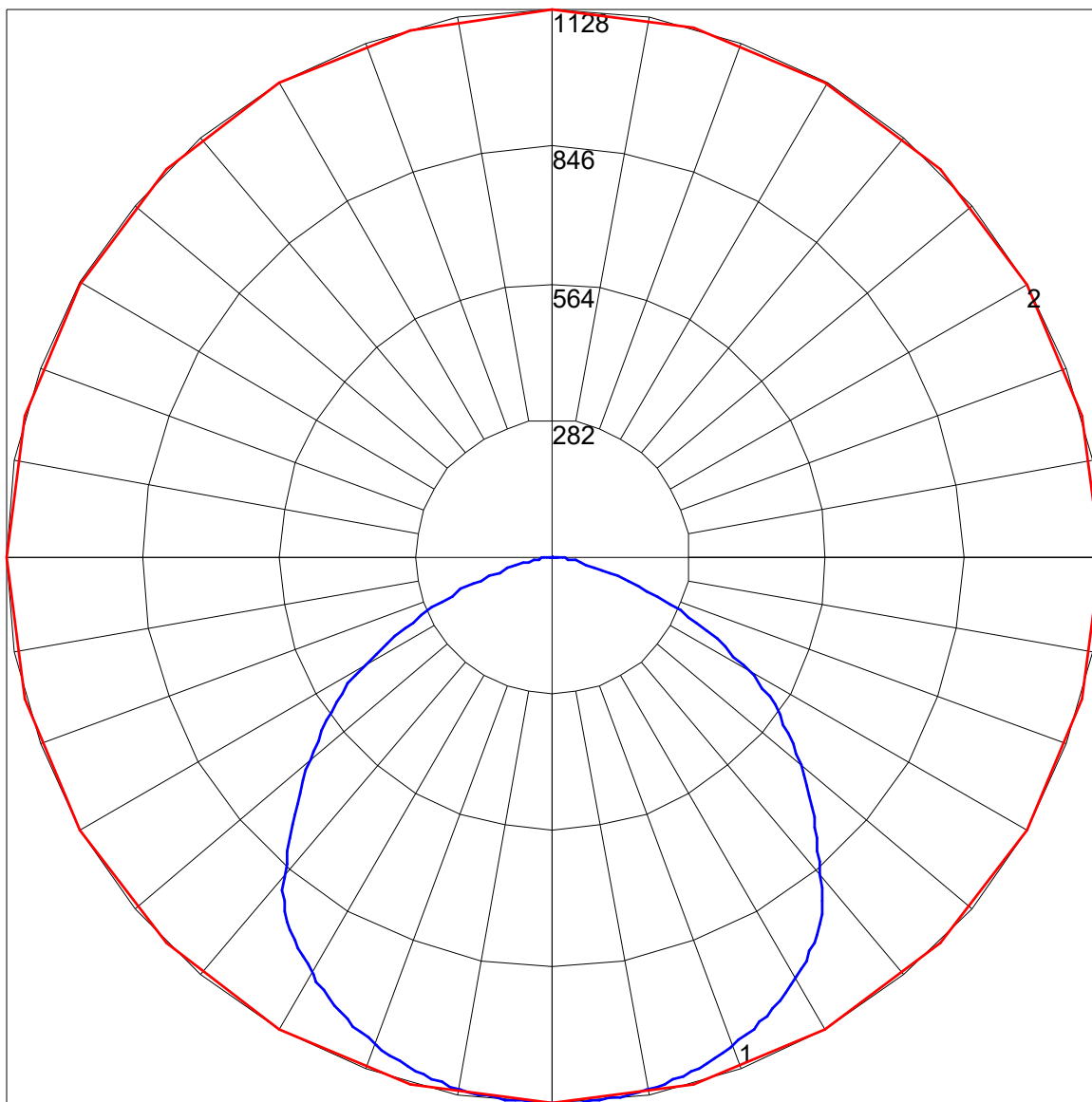
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	106	102	99	107	104	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	82	98	91	85	81	88	83	79	85	80	77	82	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	50	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	44	39	34	32
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 1127.8 Located At Horizontal Angle = 15, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (15 - 195) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)