



IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[TESTLAB] Dongguan New Testing Centre Co., Ltd

[TESTDATE] 12 April 2023

[ISSUEDATE] 2023-04-12 16:54:18

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000_V2 SYSTEM

[MANUFAC] BELUCE CANADA INC.

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

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

[LAMP] 2268 LUMENS

[_SEARCH_SOURCETYPE] LED

[BALLAST] 100-277VAc 50/60Hz

[OTHER]

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

[OTHER] 0- 10 51.41 51.41 2.27 2.27

[OTHER] 10- 20 162.12 213.53 9.42 9.42

[OTHER] 20- 30 370.70 584.23 25.76 25.76

[OTHER] 30- 40 488.37 1072.59 47.30 47.30

[OTHER] 40- 50 603.07 1675.66 73.89 73.89

[OTHER] 50- 60 389.88 2065.54 91.08 91.08

[OTHER] 60- 70 57.57 2123.11 93.62 93.62

[OTHER] 70- 80 38.06 2161.17 95.30 95.30

[OTHER] 80- 90 24.10 2185.27 96.36 96.36

[OTHER] 90-100 18.68 2203.95 97.19 97.19

[OTHER] 100-110 16.67 2220.62 97.92 97.92

[OTHER] 110-120 15.56 2236.19 98.61 98.61

[OTHER] 120-130 14.43 2250.62 99.24 99.24

[OTHER] 130-140 11.74 2262.35 99.76 99.76

[OTHER] 140-150 4.73 2267.08 99.97 99.97

[OTHER] 150-160 0.43 2267.51 99.99 99.99

[OTHER] 160-170 0.19 2267.69 100.00 100.00

[OTHER] 170-180 0.06 2267.76 100.00 100.00

[OTHER]

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CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2268
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	20.56
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	2.12
Spacing Criterion (90-270)	2.00
Spacing Criterion (Diagonal)	1.84
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.11 m
Luminous Width (90-270)	0.11 m
Luminous Height	0.15 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	44826	36767	40426
55	18322	18473	27227
65	2405	1866	2577
75	1992	1456	1913
85	1118	927	1451

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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	579.070	579.070	579.070	579.070	579.070	579.070	579.070	579.070	579.070	579.070
1	565.340	569.070	578.740	583.810	593.200	597.030	602.060	600.360	599.590	594.080
2	577.290	578.160	572.270	575.190	586.280	595.410	599.290	593.380	585.480	578.590
3	569.500	569.910	565.740	562.490	563.430	575.130	583.330	572.920	552.970	552.500
4	550.840	560.590	560.100	555.890	551.980	558.320	574.490	586.400	583.820	594.800
5	541.910	555.810	541.140	552.830	553.150	549.850	569.590	592.140	628.400	644.530
6	538.520	540.700	528.870	542.790	532.110	528.970	553.000	574.150	596.970	618.180
7	551.980	536.150	516.850	533.550	521.670	512.210	526.760	544.250	562.700	568.150
8	576.890	534.940	512.040	538.140	521.880	503.960	507.430	517.720	535.870	527.840
9	569.890	524.680	497.830	552.990	509.360	495.670	521.350	510.010	531.450	508.370
10	554.000	502.730	477.240	566.570	501.560	480.050	550.160	506.490	535.660	485.480
11	555.310	498.430	475.450	556.110	476.370	458.870	535.440	484.760	542.360	477.460
12	553.170	494.590	474.820	548.570	462.530	453.160	519.260	448.960	529.790	464.810
13	551.430	488.070	468.930	538.540	461.670	459.230	523.730	448.850	534.160	474.480
14	581.910	512.660	488.840	534.510	459.440	477.460	544.740	467.720	543.450	477.990
15	638.940	564.440	531.800	572.440	478.470	502.370	548.190	476.690	555.020	481.600
16	694.010	616.520	591.680	632.450	530.600	549.870	562.860	477.070	561.990	492.570
17	749.080	667.010	654.300	698.240	593.490	613.890	594.670	485.920	566.170	505.650
18	771.710	691.760	696.090	755.110	655.090	680.510	637.120	508.380	609.520	527.760
19	817.560	726.240	722.700	788.280	694.960	738.040	688.530	544.300	658.480	577.610
20	883.920	779.670	781.730	839.840	730.020	763.390	716.310	578.560	713.690	635.280
21	947.520	833.350	853.340	916.270	774.460	810.290	723.820	594.100	738.460	672.250
22	994.710	876.750	916.430	996.910	837.840	878.450	774.420	622.730	782.620	702.780
23	965.550	860.360	939.630	1044.700	888.330	949.510	824.290	650.290	836.130	739.660
24	910.050	824.910	896.370	1035.700	898.020	989.650	873.790	665.440	872.860	768.880
25	860.780	786.880	846.390	988.080	875.590	975.660	900.650	692.360	911.880	805.110
26	853.080	764.460	839.120	961.810	839.120	935.290	876.270	699.960	924.180	814.030
27	835.010	745.090	837.090	949.670	822.950	912.420	845.810	684.970	889.990	792.740
28	813.830	728.160	821.740	931.000	812.470	919.790	842.910	670.710	852.560	753.990
29	799.350	720.500	811.460	914.790	785.900	913.150	853.380	680.240	843.170	734.650
30	799.050	714.980	801.640	906.270	767.180	901.450	843.350	683.910	854.100	728.620
31	804.710	713.160	792.960	899.500	747.620	888.610	831.450	681.150	856.260	716.360
32	818.740	724.370	782.020	883.510	733.970	861.350	809.490	664.210	839.370	703.090
33	849.390	746.540	787.220	880.350	729.430	841.390	783.430	647.070	805.830	677.100
34	892.970	780.990	808.830	891.070	742.160	841.870	770.830	635.210	774.770	654.010
35	932.820	814.280	837.820	921.200	761.630	856.570	785.530	643.430	766.670	635.560
36	951.440	833.730	855.100	954.260	793.690	885.950	816.910	665.070	785.980	648.080
37	942.500	834.730	852.690	956.460	807.980	916.730	860.290	702.800	834.260	685.030
38	919.820	821.090	834.980	946.120	802.800	906.880	876.190	730.230	881.770	728.900
39	909.040	806.920	815.490	921.180	790.030	889.200	851.640	731.930	879.880	743.470
40	908.090	803.470	809.970	908.370	771.490	864.240	823.750	712.650	858.020	722.390
41	920.890	812.070	818.500	905.510	768.590	855.650	809.980	695.970	837.170	708.800
42	920.540	810.970	823.310	904.630	768.720	855.470	802.770	686.470	825.210	709.450
43	924.910	810.960	829.470	906.690	773.980	865.910	804.710	691.040	831.590	709.010
44	908.570	813.610	829.510	911.710	777.020	879.480	809.410	688.740	830.300	713.040
45	906.910	801.230	831.770	921.630	792.950	894.160	817.890	694.020	844.660	718.500
46	893.380	795.970	831.320	930.550	805.130	908.740	832.000	704.250	854.950	737.820
47	892.930	794.060	827.560	932.830	821.730	913.740	835.500	716.350	865.310	730.840
48	886.000	779.210	823.490	936.370	825.170	924.430	852.470	731.910	853.230	733.800
49	856.120	764.010	813.940	934.530	825.340	927.200	861.420	740.390	861.340	736.480
50	784.320	713.060	774.530	889.580	791.330	912.640	864.620	736.420	868.280	741.900
51	705.450	642.710	704.190	814.720	732.830	861.710	824.320	709.400	836.940	718.710
52	626.580	570.830	636.530	738.560	664.420	787.340	761.790	662.980	779.420	668.990
53	545.450	493.280	569.490	652.660	592.650	712.830	692.490	607.610	711.870	615.130

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54	456.910	422.950	491.170	570.880	518.200	631.750	627.990	549.540	646.450	553.010
55	374.950	356.370	415.420	481.510	440.770	549.100	557.200	497.100	586.150	493.870
56	299.930	279.670	341.770	395.750	362.750	465.570	485.330	439.370	510.620	438.350
57	225.880	213.950	265.890	311.660	290.100	370.990	410.550	382.440	443.190	376.320
58	158.390	159.000	200.450	232.730	220.220	290.220	328.230	313.180	368.630	303.000
59	100.460	108.040	137.160	168.170	160.170	213.760	253.010	248.940	287.080	238.950
60	85.859	89.873	86.810	113.860	107.730	145.820	185.890	188.070	214.680	182.880
61	72.078	71.951	71.143	93.132	88.652	88.352	120.660	134.230	150.140	128.160
62	58.297	54.029	55.824	73.507	70.007	72.427	98.171	92.569	89.293	104.730
63	54.156	49.743	51.990	53.881	51.362	57.624	76.591	74.467	74.290	82.048
64	50.635	46.148	48.388	51.191	48.237	54.453	55.011	56.720	60.645	59.367
65	48.290	44.116	46.351	49.023	45.375	51.363	51.727	53.013	56.707	54.700
66	45.247	41.355	44.605	46.883	43.305	49.135	48.249	49.216	53.437	50.929
67	43.669	39.764	42.179	43.827	40.667	46.149	46.038	46.839	50.111	47.281
68	41.773	38.236	40.454	42.751	38.988	43.946	44.102	44.842	47.385	44.633
69	39.108	36.158	38.583	40.483	36.755	41.697	42.414	42.967	45.621	42.385
70	39.817	35.883	37.575	39.569	35.840	39.804	39.759	39.720	42.194	39.550
71	40.666	36.487	38.573	40.198	36.052	40.167	40.547	39.906	42.412	39.574
72	39.742	37.865	43.512	41.767	35.852	40.777	40.692	40.363	42.964	39.672
73	38.718	34.940	38.328	40.657	35.484	39.582	39.897	39.696	41.421	38.444
74	36.939	33.240	36.997	38.883	34.193	37.894	37.722	37.116	39.005	36.545
75	38.005	33.459	36.560	37.390	33.075	36.891	36.503	35.740	37.683	34.907
76	37.049	33.995	37.458	38.767	34.062	37.403	36.738	36.216	37.948	35.341
77	36.031	33.052	36.674	38.085	33.581	37.198	37.297	36.840	38.337	35.858
78	34.792	32.303	35.204	36.925	32.722	36.245	36.205	35.979	37.035	34.774
79	33.212	31.050	33.964	36.051	31.902	35.904	35.279	34.665	35.545	33.650
80	31.031	28.970	32.317	34.407	30.516	33.638	33.712	33.675	33.800	31.920
81	29.514	27.202	30.324	31.698	28.481	31.982	31.800	32.069	32.179	30.272
82	28.132	25.701	28.246	29.820	27.224	30.529	30.144	29.872	30.243	28.352
83	26.032	24.140	26.287	28.030	26.114	29.150	29.070	28.499	27.968	26.918
84	23.022	21.848	23.741	25.953	23.904	27.053	27.429	26.672	26.080	25.536
85	19.564	18.305	20.503	22.525	21.791	24.986	25.387	24.198	23.964	23.332
86	18.336	16.803	18.347	19.777	18.714	21.302	21.756	21.468	21.225	20.133
87	17.877	16.083	17.215	18.345	17.051	19.432	20.240	19.511	19.348	19.078
88	16.638	14.952	16.714	17.856	16.117	18.081	19.357	18.789	18.148	17.652
89	16.957	14.053	15.159	15.652	13.928	16.615	17.533	17.339	16.934	16.088
90	17.625	15.066	16.080	16.221	14.343	17.022	17.052	16.463	16.421	15.772
91	17.922	14.966	16.516	17.146	14.590	17.522	18.350	17.475	17.524	16.643
92	18.105	14.954	16.881	17.069	14.548	17.444	18.417	17.379	17.858	16.632
93	18.077	14.844	17.038	17.430	14.276	17.907	18.430	17.547	17.891	16.628
94	18.333	14.905	16.887	17.315	14.441	17.927	18.633	17.687	17.863	16.828
95	18.307	14.982	17.298	17.741	14.568	18.127	18.641	17.705	17.873	16.709
96	17.766	14.867	17.291	17.931	14.812	18.363	18.800	17.917	18.044	16.719
97	17.855	14.780	16.691	17.732	14.610	18.285	18.722	18.217	17.747	16.491
98	17.507	14.596	16.827	17.473	14.416	17.679	18.735	18.152	17.653	16.718
99	18.178	14.475	16.763	17.041	14.574	17.598	18.598	17.931	17.608	16.687
100	18.147	14.587	16.094	17.450	14.268	17.650	17.986	17.490	17.356	16.532
101	17.784	14.381	16.621	17.271	14.263	17.877	18.121	17.534	17.204	16.679
102	15.335	12.681	15.403	17.047	14.149	18.378	18.277	17.718	17.439	16.221
103	15.842	11.698	13.860	14.572	11.976	15.828	16.193	15.706	15.864	14.478
104	17.854	13.453	15.332	15.286	11.644	14.990	14.474	13.759	14.446	12.968
105	17.390	13.814	16.002	16.877	13.805	16.928	16.652	15.801	15.988	14.361
106	17.251	13.937	16.042	16.728	14.149	17.130	17.013	17.175	16.930	15.062
107	17.429	14.032	15.956	16.538	14.132	17.163	17.119	17.088	16.920	15.245
108	17.376	14.016	16.285	16.477	14.049	17.348	17.318	16.846	16.572	15.228
109	17.106	13.869	15.974	16.382	14.153	17.169	17.092	16.800	16.512	15.115

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CANDELA TABULATION - (Cont.)

110	17.055	13.674	15.449	15.971	14.016	17.066	16.826	16.365	16.219	14.862
111	17.508	14.023	14.927	15.637	14.290	16.903	16.203	16.028	15.983	14.652
112	17.988	14.275	15.352	15.950	14.266	16.945	16.242	16.024	15.991	14.834
113	18.412	14.666	15.772	16.426	14.447	17.756	16.765	16.122	16.394	15.109
114	17.300	14.365	15.745	16.620	14.610	18.226	17.250	16.308	16.463	15.240
115	16.243	12.503	14.981	15.881	13.732	17.583	17.175	16.377	16.536	15.217
116	16.427	12.642	14.555	14.805	12.275	15.809	15.364	14.586	15.805	13.947
117	17.306	13.522	15.565	15.442	12.815	15.680	14.911	13.376	14.554	13.138
118	17.349	13.849	15.653	15.946	13.793	16.965	16.289	14.941	15.868	14.334
119	16.766	13.996	15.736	16.016	14.228	16.950	16.536	15.594	16.603	14.779
120	17.063	14.244	16.065	16.666	14.191	16.869	16.794	15.828	16.685	15.247
121	17.436	14.609	16.122	16.982	14.630	16.501	17.316	16.319	16.654	15.311
122	17.908	14.393	15.854	16.890	14.702	16.666	17.362	16.623	16.554	15.478
123	17.928	14.048	15.690	16.747	14.566	16.875	17.331	16.812	17.036	15.895
124	17.794	13.865	15.711	16.543	14.261	17.291	17.381	16.690	17.607	15.982
125	17.035	13.319	15.747	16.309	14.284	17.259	17.042	16.443	17.723	16.009
126	16.524	12.877	15.470	15.810	13.580	16.793	16.699	16.475	17.702	16.048
127	17.519	13.497	15.460	15.375	13.117	16.325	16.224	15.385	17.414	15.251
128	17.524	13.513	16.024	15.857	13.334	16.138	15.985	14.817	16.764	14.725
129	17.325	13.513	16.049	16.094	13.785	16.768	16.729	15.620	17.291	14.817
130	16.971	13.287	15.374	15.708	13.986	16.688	16.552	15.814	17.485	14.944
131	17.042	13.079	15.262	15.617	13.863	16.639	16.637	15.724	17.530	15.178
132	17.083	13.069	15.260	15.649	13.648	16.780	16.735	16.095	17.696	15.539
133	16.735	12.873	15.189	15.547	13.723	17.128	16.612	16.370	18.048	15.735
134	16.380	12.812	14.897	15.243	13.239	17.152	16.889	16.564	18.015	15.561
135	15.759	12.687	14.735	15.133	13.016	16.420	16.141	16.003	17.777	15.416
136	15.722	12.765	14.782	15.266	12.885	15.851	15.545	14.858	17.196	14.660
137	15.987	12.887	14.592	15.214	12.876	15.121	15.458	14.687	16.509	14.567
138	15.400	12.343	14.354	15.165	13.061	15.182	15.585	14.624	15.853	14.604
139	15.102	11.893	13.933	14.551	12.532	15.126	14.867	14.204	15.702	14.508
140	12.878	11.033	12.271	12.591	10.338	12.592	12.551	12.440	15.014	13.574
141	12.004	10.160	11.670	11.927	9.826	12.201	12.002	11.279	12.928	11.023
142	11.366	9.287	10.995	11.025	9.321	11.490	11.350	10.505	11.998	10.241
143	9.929	8.407	9.889	9.485	8.514	10.519	10.561	9.740	11.187	9.482
144	8.478	7.008	8.489	7.946	6.715	8.584	8.765	8.976	9.682	8.722
145	7.027	6.434	7.090	6.406	5.564	6.641	6.966	6.549	8.165	6.616
146	6.393	5.613	5.690	5.896	4.935	6.188	6.485	6.080	6.647	5.992
147	5.895	5.099	4.899	4.871	4.292	5.802	5.867	5.602	6.307	5.455
148	3.616	3.131	3.050	2.914	2.841	4.064	4.407	4.718	5.821	5.038
149	3.484	3.036	2.813	2.720	2.670	3.769	3.992	3.671	4.095	3.346
150	1.949	1.809	1.829	2.233	2.252	3.613	3.422	3.568	4.046	3.315
151	0.563	0.570	0.622	0.775	0.950	1.184	1.305	2.352	3.700	3.270
152	0.520	0.508	0.515	0.519	0.519	0.551	0.579	0.748	1.187	1.342
153	0.519	0.510	0.515	0.516	0.540	0.532	0.532	0.542	0.562	0.576
154	0.522	0.514	0.518	0.521	0.524	0.535	0.538	0.542	0.554	0.554
155	0.524	0.519	0.522	0.527	0.530	0.540	0.545	0.549	0.560	0.561
156	0.528	0.524	0.527	0.533	0.537	0.544	0.549	0.555	0.565	0.568
157	0.532	0.530	0.532	0.539	0.544	0.550	0.556	0.562	0.570	0.574
158	0.538	0.535	0.537	0.544	0.551	0.554	0.563	0.567	0.574	0.580
159	0.542	0.542	0.541	0.550	0.557	0.560	0.569	0.571	0.577	0.586
160	0.546	0.545	0.545	0.555	0.562	0.564	0.574	0.576	0.580	0.591
161	0.548	0.549	0.547	0.559	0.565	0.568	0.577	0.577	0.583	0.592
162	0.548	0.550	0.547	0.560	0.564	0.568	0.578	0.576	0.581	0.593
163	0.552	0.556	0.552	0.566	0.570	0.573	0.585	0.580	0.585	0.597
164	0.560	0.561	0.559	0.574	0.576	0.577	0.593	0.585	0.591	0.604
165	0.571	0.571	0.571	0.586	0.586	0.586	0.603	0.594	0.600	0.611

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CANDELA TABULATION - (Cont.)

166	0.585	0.584	0.583	0.599	0.598	0.598	0.615	0.604	0.611	0.622
167	0.599	0.594	0.595	0.611	0.607	0.608	0.624	0.612	0.622	0.631
168	0.607	0.603	0.603	0.621	0.615	0.616	0.630	0.620	0.630	0.640
169	0.611	0.608	0.607	0.627	0.619	0.621	0.634	0.623	0.635	0.646
170	0.612	0.609	0.606	0.626	0.618	0.619	0.635	0.624	0.637	0.648
171	0.608	0.607	0.603	0.622	0.614	0.614	0.632	0.622	0.634	0.645
172	0.604	0.607	0.600	0.619	0.612	0.609	0.628	0.620	0.631	0.642
173	0.613	0.615	0.609	0.626	0.621	0.616	0.636	0.629	0.636	0.649
174	0.629	0.635	0.626	0.646	0.639	0.634	0.655	0.647	0.653	0.666
175	0.664	0.666	0.658	0.678	0.670	0.667	0.691	0.680	0.688	0.701
176	0.688	0.688	0.682	0.703	0.694	0.693	0.715	0.703	0.713	0.724
177	0.685	0.683	0.680	0.697	0.687	0.691	0.710	0.697	0.711	0.717
178	0.671	0.668	0.670	0.680	0.670	0.682	0.691	0.682	0.697	0.698
179	0.652	0.650	0.658	0.661	0.653	0.667	0.669	0.666	0.678	0.673
180	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640

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	579.070	579.070	579.070	579.070	579.070	579.070	579.070	579.070	579.070	579.070
1	582.810	573.630	559.520	557.470	555.440	554.280	554.840	558.580	562.070	563.780
2	566.250	552.090	550.420	553.520	562.310	575.720	588.840	593.470	599.180	599.080
3	548.590	555.920	575.490	598.480	620.740	636.820	641.810	644.530	633.550	616.480
4	606.750	632.380	652.280	667.830	671.790	665.370	649.600	619.490	595.670	578.390
5	661.750	671.380	685.560	685.550	663.000	630.540	594.690	580.680	568.980	552.690
6	621.530	624.060	641.620	634.800	612.690	579.710	548.600	544.920	540.380	523.520
7	569.080	572.320	594.700	589.190	555.470	529.200	503.140	505.020	511.970	490.480
8	535.180	541.830	554.840	540.920	507.490	494.790	457.860	450.300	483.300	457.680
9	508.510	504.460	496.930	487.910	454.360	468.420	423.670	427.050	497.730	442.060
10	478.920	459.730	439.420	448.920	423.710	480.370	425.490	424.200	493.250	426.520
11	480.390	466.130	442.980	477.170	435.130	498.450	428.470	416.440	482.100	419.760
12	495.870	487.270	461.810	502.230	437.840	500.960	440.510	418.640	485.290	438.740
13	514.670	500.560	463.290	511.520	434.510	499.420	450.980	429.070	512.490	474.620
14	521.260	510.730	450.060	512.190	435.180	501.030	476.400	448.970	546.070	507.480
15	533.270	520.550	455.580	516.290	440.870	511.690	513.060	471.030	567.900	554.160
16	548.450	535.790	466.290	532.470	457.540	531.790	551.380	497.790	613.350	609.060
17	563.150	552.950	485.980	552.300	466.930	562.460	602.050	540.290	683.500	661.400
18	589.900	585.240	500.490	579.530	491.340	618.610	672.350	592.760	744.290	700.390
19	637.540	632.710	539.660	626.960	541.030	694.800	743.090	634.020	762.900	714.470
20	696.140	701.730	600.730	706.770	605.510	746.550	777.960	647.110	785.040	759.450
21	738.650	745.100	639.660	745.160	631.850	762.400	797.670	673.850	827.940	823.090
22	751.670	750.650	645.340	742.190	642.280	796.160	841.830	714.290	869.730	865.250
23	784.030	776.100	658.640	771.960	674.670	837.830	888.490	742.200	895.910	878.740
24	825.260	824.520	703.060	822.430	712.800	877.350	911.710	737.710	870.170	841.260
25	868.210	880.720	743.930	875.460	734.570	870.020	885.110	712.510	824.580	795.890
26	873.540	889.510	742.120	859.310	721.350	836.880	854.940	689.250	791.800	780.250
27	845.910	862.760	723.400	831.790	705.230	799.100	825.480	678.330	796.800	797.850
28	803.850	822.270	696.790	812.980	698.050	779.700	821.420	684.810	809.290	795.470
29	772.560	787.960	681.160	810.570	702.290	787.520	831.220	676.490	804.930	784.480
30	778.450	792.190	674.500	815.130	710.040	794.040	818.730	670.850	808.600	774.210
31	772.210	791.750	666.090	807.910	696.240	768.380	798.100	662.690	795.180	753.640
32	760.450	794.300	657.160	788.340	669.210	731.820	768.670	648.190	773.080	732.970
33	747.050	774.130	640.230	758.620	643.290	701.720	747.880	638.280	757.110	736.580
34	724.280	743.990	621.940	730.820	631.530	694.760	753.010	649.750	766.060	769.720
35	706.290	722.600	606.450	722.030	638.560	717.990	779.970	673.630	793.520	808.000
36	706.000	729.660	612.480	742.240	665.470	748.630	818.120	698.540	815.270	822.160

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CANDELA TABULATION - (Cont.)

37	745.570	759.250	640.950	788.960	700.550	788.770	838.390	695.520	798.930	800.720
38	800.950	813.440	683.810	833.640	724.060	791.570	828.350	670.380	760.040	767.140
39	821.670	833.530	699.710	837.710	717.920	762.690	794.940	636.530	723.810	743.830
40	798.550	811.980	689.650	817.850	695.300	731.190	775.680	613.370	705.200	738.350
41	774.090	798.200	675.380	793.500	677.720	717.810	761.250	607.920	703.130	746.320
42	774.960	795.460	667.610	784.000	671.150	709.810	748.650	607.730	716.600	757.820
43	774.630	787.970	654.910	778.640	665.650	711.610	752.230	615.950	724.570	768.960
44	779.920	790.950	656.230	773.390	671.020	720.540	766.120	619.940	729.350	771.180
45	791.000	788.990	649.110	784.460	684.900	736.080	778.130	638.730	742.960	770.960
46	802.760	812.940	650.790	790.070	695.800	737.900	788.560	656.500	759.970	783.040
47	812.140	813.460	660.440	800.340	700.180	737.130	803.570	675.030	776.770	796.710
48	796.720	813.860	668.010	799.630	701.750	746.510	822.160	682.970	776.100	791.370
49	806.610	814.450	691.080	821.400	717.340	748.390	818.080	665.490	742.600	751.620
50	803.890	836.540	697.830	818.290	712.050	719.690	777.960	620.610	692.940	690.990
51	794.870	807.810	681.460	784.620	665.040	673.500	722.000	570.020	631.520	632.100
52	736.880	757.170	628.960	732.540	610.700	617.110	657.630	517.870	571.620	567.520
53	687.900	699.920	581.750	664.760	561.010	555.190	587.230	467.120	512.520	503.370
54	623.340	629.930	536.780	610.580	498.460	491.230	512.550	406.660	446.270	433.660
55	557.940	582.400	483.010	542.140	439.610	431.110	433.380	350.960	381.930	363.370
56	503.030	507.000	431.070	473.660	379.230	368.250	361.160	289.680	311.890	292.860
57	427.650	450.400	377.640	405.550	318.450	297.920	290.760	232.540	250.290	222.360
58	356.980	377.300	319.530	334.170	256.560	233.160	220.370	175.560	188.690	152.210
59	287.660	307.190	254.390	258.760	194.660	168.420	150.570	126.620	127.780	103.570
60	213.780	226.840	189.260	183.360	132.900	113.180	98.129	89.110	93.449	76.985
61	144.460	154.180	124.500	108.380	82.610	73.499	69.030	70.862	78.873	68.837
62	85.040	89.996	80.883	69.135	59.032	61.084	58.501	62.324	71.632	64.174
63	71.302	73.786	61.344	58.250	54.987	57.383	54.529	55.832	64.117	58.145
64	58.005	57.640	56.280	55.138	51.634	53.193	50.904	50.641	58.079	52.653
65	54.392	53.561	51.666	51.428	48.848	49.397	47.622	47.330	53.605	49.580
66	50.642	49.854	47.857	47.752	44.842	45.119	44.539	43.901	49.860	46.695
67	46.895	46.145	44.079	44.149	42.497	41.980	42.171	41.027	46.489	44.498
68	44.077	43.842	41.506	42.341	40.909	39.949	39.456	37.514	41.664	40.799
69	42.195	41.403	38.752	39.726	38.183	37.393	37.375	36.161	40.379	40.545
70	39.191	38.913	36.289	37.931	37.861	37.378	38.543	36.196	40.211	41.039
71	39.643	39.552	36.367	39.381	39.191	40.057	41.744	39.402	44.215	42.202
72	40.440	44.507	39.112	37.808	37.614	36.070	36.610	33.808	37.389	37.035
73	38.517	38.162	33.985	35.960	35.237	34.574	35.281	32.327	35.865	35.937
74	36.233	36.509	31.996	34.700	34.126	34.240	35.461	32.400	35.348	35.605
75	35.317	36.073	31.902	35.579	35.685	35.399	35.750	32.645	35.799	36.366
76	36.127	36.892	33.008	35.831	35.388	34.553	34.776	31.805	34.522	34.910
77	36.582	37.011	32.256	34.887	34.444	33.738	33.902	31.002	33.697	33.883
78	35.422	35.749	31.535	34.122	33.195	32.759	32.811	29.738	32.322	32.117
79	34.436	34.496	30.590	32.751	31.411	31.085	30.785	28.418	30.757	30.628
80	32.895	32.863	29.085	31.174	29.684	28.926	28.662	26.705	28.485	28.681
81	30.408	30.263	27.111	29.260	27.694	27.002	26.880	25.346	27.075	27.073
82	28.500	28.660	25.490	26.924	26.015	25.757	25.568	24.214	25.585	25.438
83	27.322	26.956	24.290	25.926	24.742	24.304	24.154	22.158	24.153	23.494
84	25.490	25.098	22.792	24.014	22.848	22.501	22.099	20.102	22.285	21.919
85	23.135	22.157	21.097	22.162	21.161	20.698	20.044	18.077	20.418	20.344
86	20.369	19.839	19.402	20.310	19.473	18.898	17.990	17.309	18.549	18.744
87	19.056	19.424	17.703	18.438	17.780	17.236	16.397	14.924	16.566	16.155
88	18.179	17.791	15.374	15.698	15.833	15.274	15.554	13.984	16.113	16.446
89	16.164	15.834	14.138	16.249	17.275	17.357	17.153	15.552	17.759	18.083
90	16.815	18.026	15.977	17.859	18.444	17.760	17.119	15.263	17.687	18.220
91	17.495	17.953	15.547	17.484	18.483	17.699	17.064	14.987	17.713	18.261
92	17.829	18.024	15.412	17.677	18.856	17.800	17.122	15.011	17.522	17.974

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CANDELA TABULATION - (Cont.)

93	17.893	17.607	14.985	17.695	18.791	17.906	17.158	14.858	17.391	18.001
94	17.869	17.845	15.202	17.849	18.730	17.941	17.254	15.008	17.592	18.123
95	17.884	17.724	15.110	17.627	18.723	18.073	17.356	14.899	17.821	18.221
96	18.004	18.148	14.966	17.516	18.540	17.641	17.007	14.751	17.686	17.987
97	18.025	17.900	14.528	17.135	18.293	17.856	16.787	14.831	17.594	17.965
98	17.443	17.488	14.684	17.085	17.947	17.537	17.010	14.861	17.222	17.683
99	17.285	17.397	14.628	17.466	17.526	17.827	16.982	14.809	17.457	17.854
100	17.570	17.574	14.696	17.663	17.430	17.291	17.150	14.781	17.386	17.837
101	17.343	17.482	14.476	17.633	16.872	17.214	16.710	13.896	16.222	15.819
102	17.134	17.628	13.605	15.754	14.465	13.979	13.891	11.218	14.375	14.321
103	14.503	14.227	10.923	14.055	13.689	14.428	15.021	12.994	16.075	16.161
104	13.800	14.548	11.540	15.400	15.739	15.875	15.889	13.857	16.832	17.489
105	16.071	16.698	12.555	16.090	16.313	16.366	16.172	14.265	17.100	17.228
106	17.211	17.147	12.938	16.121	16.219	16.225	16.042	14.342	16.966	17.201
107	16.595	16.993	13.040	15.997	16.108	16.278	15.797	14.226	16.839	17.086
108	16.624	16.709	13.034	15.704	15.960	15.800	15.388	13.938	16.344	16.660
109	16.327	16.300	12.992	15.539	16.022	15.895	15.740	14.091	16.439	16.812
110	15.889	15.942	12.845	15.803	16.368	16.228	16.473	14.516	17.084	17.341
111	15.886	16.403	13.189	16.386	16.369	16.322	16.927	14.725	17.465	17.932
112	16.314	16.765	13.146	16.628	16.230	16.441	17.172	14.620	17.513	17.978
113	16.803	16.883	13.096	16.787	16.199	16.339	17.038	14.244	17.362	17.978
114	16.839	16.901	12.958	16.564	15.602	15.488	16.501	13.267	15.701	15.963
115	16.474	16.269	12.249	15.775	14.743	13.951	14.879	11.933	14.856	15.469
116	14.678	14.088	11.121	14.848	14.076	14.226	15.417	12.941	15.987	16.676
117	14.000	14.099	11.394	15.513	15.172	15.566	16.416	13.952	16.462	17.191
118	15.587	15.672	12.436	16.295	15.844	15.878	16.423	14.189	16.724	17.450
119	15.896	15.639	12.761	16.199	15.839	16.166	16.165	14.394	17.031	17.455
120	16.215	15.808	12.990	15.850	16.261	16.437	15.894	14.566	17.077	17.790
121	16.506	16.182	13.280	15.724	16.430	16.556	16.309	14.816	17.252	18.104
122	16.011	16.124	13.413	16.154	16.524	16.724	17.135	14.952	17.496	18.444
123	16.085	16.450	13.521	16.845	16.237	16.876	17.403	14.886	17.729	18.549
124	16.188	16.636	13.658	17.107	16.340	16.810	17.600	15.085	17.847	18.198
125	16.599	17.017	13.663	17.205	16.376	16.882	17.765	14.842	17.008	17.122
126	16.801	17.139	13.837	17.163	16.165	15.636	16.541	13.998	16.137	16.394
127	15.495	15.497	12.913	16.067	15.046	14.678	15.752	13.904	16.189	16.799
128	14.935	15.024	12.778	15.590	14.892	14.830	16.128	14.449	16.356	16.849
129	15.151	15.284	13.129	15.647	15.235	15.320	16.704	14.517	16.672	16.958
130	15.348	15.685	13.548	16.030	15.576	15.791	17.256	14.839	17.216	17.280
131	15.733	16.141	13.736	16.448	15.706	15.982	17.483	15.059	17.599	17.728
132	16.257	16.586	13.847	16.436	15.577	15.858	17.330	14.922	17.223	17.341
133	16.577	16.832	13.670	16.209	15.092	15.086	16.762	14.629	16.148	16.695
134	16.570	16.765	13.289	15.671	14.544	14.842	16.429	14.244	15.270	15.617
135	16.398	16.242	13.091	15.341	14.494	14.676	15.757	13.779	14.902	15.231
136	15.382	14.993	12.790	14.735	14.565	14.551	15.260	13.440	14.840	15.396
137	15.204	15.047	12.513	14.613	14.560	14.155	15.200	13.272	14.564	15.141
138	15.066	15.109	12.234	14.623	14.260	14.112	15.902	12.947	14.210	15.016
139	14.665	14.618	11.985	14.418	13.917	13.595	15.388	11.960	13.507	14.274
140	13.583	13.635	11.141	13.792	12.937	12.641	14.436	10.969	12.680	13.403
141	10.965	10.742	8.775	11.225	11.124	10.431	11.785	9.334	10.815	11.364
142	10.081	9.955	8.562	10.510	10.672	10.126	11.246	9.012	10.195	10.813
143	9.244	9.188	8.116	9.811	10.005	9.499	10.302	8.266	9.264	9.766
144	8.407	8.528	7.646	9.113	9.394	8.813	9.538	7.589	8.784	9.175
145	6.033	6.121	6.507	8.001	8.433	7.759	7.926	5.588	5.880	6.354
146	5.123	5.031	4.732	5.584	6.177	5.697	5.975	4.914	5.383	5.912
147	4.874	4.688	4.322	5.274	5.836	5.185	5.607	4.459	4.756	5.294
148	4.438	4.314	3.963	4.727	5.186	4.765	5.185	4.171	4.119	4.076

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CANDELA TABULATION - (Cont.)

149	2.844	2.553	2.480	3.113	3.647	2.968	2.811	2.649	3.043	3.705
150	2.781	2.501	2.373	2.741	3.377	2.971	2.830	2.637	3.054	3.634
151	2.764	2.502	2.412	2.714	3.325	2.942	2.671	2.049	1.617	1.261
152	1.404	1.433	1.287	1.390	1.480	1.365	1.264	0.758	0.687	0.675
153	0.583	0.592	0.675	0.687	0.677	0.685	0.688	0.675	0.690	0.683
154	0.563	0.577	0.678	0.688	0.675	0.685	0.689	0.675	0.691	0.684
155	0.569	0.581	0.692	0.693	0.679	0.689	0.694	0.677	0.695	0.689
156	0.576	0.586	0.685	0.698	0.683	0.690	0.699	0.680	0.698	0.694
157	0.580	0.590	0.688	0.703	0.688	0.693	0.703	0.683	0.701	0.700
158	0.586	0.594	0.691	0.706	0.693	0.695	0.706	0.687	0.703	0.706
159	0.591	0.597	0.697	0.710	0.699	0.700	0.711	0.692	0.706	0.714
160	0.592	0.601	0.700	0.714	0.705	0.703	0.715	0.699	0.712	0.721
161	0.595	0.604	0.704	0.715	0.711	0.708	0.718	0.704	0.715	0.728
162	0.594	0.601	0.703	0.714	0.713	0.709	0.720	0.707	0.717	0.730
163	0.596	0.604	0.703	0.712	0.713	0.711	0.721	0.710	0.717	0.732
164	0.600	0.610	0.706	0.711	0.717	0.713	0.724	0.714	0.721	0.738
165	0.608	0.620	0.710	0.714	0.723	0.717	0.730	0.722	0.727	0.745
166	0.618	0.631	0.702	0.706	0.716	0.715	0.723	0.721	0.726	0.744
167	0.627	0.641	0.693	0.695	0.705	0.705	0.712	0.711	0.714	0.732
168	0.634	0.650	0.688	0.689	0.701	0.699	0.708	0.708	0.709	0.728
169	0.639	0.655	0.683	0.684	0.695	0.693	0.702	0.702	0.702	0.720
170	0.640	0.655	0.673	0.673	0.682	0.681	0.692	0.691	0.693	0.708
171	0.637	0.648	0.663	0.665	0.671	0.672	0.685	0.682	0.683	0.698
172	0.632	0.641	0.658	0.658	0.662	0.661	0.677	0.671	0.675	0.689
173	0.636	0.645	0.662	0.663	0.664	0.662	0.680	0.675	0.676	0.693
174	0.653	0.661	0.675	0.675	0.676	0.671	0.693	0.687	0.687	0.705
175	0.686	0.695	0.683	0.683	0.685	0.678	0.701	0.695	0.694	0.716
176	0.709	0.722	0.683	0.682	0.689	0.681	0.701	0.698	0.695	0.718
177	0.703	0.716	0.669	0.669	0.680	0.670	0.687	0.689	0.680	0.702
178	0.690	0.700	0.650	0.650	0.663	0.654	0.665	0.680	0.665	0.687
179	0.672	0.677	0.636	0.635	0.647	0.639	0.642	0.671	0.650	0.671
180	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640	0.640

Vert. Angles **Horizontal Angles**

	<u>300</u>	<u>315</u>	<u>330</u>	<u>345</u>	<u>360</u>
0	579.070	579.070	579.070	579.070	579.070
1	565.020	564.680	563.440	566.220	565.340
2	594.590	588.110	578.580	573.380	577.290
3	600.890	587.770	577.020	574.800	569.500
4	575.870	564.230	549.920	545.640	550.840
5	550.930	538.280	519.310	518.530	541.910
6	529.180	528.050	504.060	505.600	538.520
7	504.470	522.240	494.670	499.060	551.980
8	478.330	536.550	489.210	500.210	576.890
9	466.620	543.940	473.240	488.550	569.890
10	442.740	524.490	463.970	469.480	554.000
11	441.680	527.030	467.100	472.050	555.310
12	463.650	541.620	478.810	473.500	553.170
13	492.700	560.490	494.580	482.210	551.430
14	517.800	588.620	519.830	504.470	581.910
15	541.580	629.210	564.740	547.840	638.940
16	571.780	681.780	613.710	596.040	694.010
17	612.490	727.350	659.220	643.320	749.080
18	640.400	759.550	690.380	670.970	771.710
19	661.080	781.170	724.760	707.620	817.560

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CANDELA TABULATION - (Cont.)

20	712.740	831.830	781.700	761.210	883.920
21	755.800	873.290	817.940	804.010	947.520
22	776.230	909.630	865.300	847.580	994.710
23	770.450	904.780	861.980	839.980	965.550
24	725.280	852.340	810.690	794.730	910.050
25	682.530	813.130	774.430	756.210	860.780
26	673.750	813.280	776.020	743.450	853.080
27	678.010	825.600	785.210	729.340	835.010
28	677.760	824.390	777.730	723.710	813.830
29	680.710	823.390	775.140	722.300	799.350
30	687.460	829.960	782.030	724.300	799.050
31	681.650	832.570	791.550	730.720	804.710
32	681.600	834.020	796.740	737.350	818.740
33	692.800	849.660	803.670	747.520	849.390
34	719.980	886.630	841.650	776.220	892.970
35	742.790	926.870	874.200	804.760	932.820
36	744.860	925.580	869.760	810.790	951.440
37	727.620	901.250	844.960	798.810	942.500
38	702.090	876.660	819.810	780.900	919.820
39	685.420	859.090	804.570	771.500	909.040
40	685.020	857.130	800.330	767.410	908.090
41	691.550	870.400	811.850	766.630	920.890
42	701.410	869.630	816.070	776.590	920.540
43	701.940	864.670	809.380	772.420	924.910
44	696.180	857.330	801.040	761.210	908.570
45	698.860	843.520	795.120	757.060	906.910
46	703.550	846.130	783.630	754.890	893.380
47	705.070	853.940	791.900	748.280	892.930
48	690.010	836.910	774.010	743.020	886.000
49	650.010	790.120	746.300	717.550	856.120
50	593.920	717.990	679.780	656.530	784.320
51	536.520	649.450	620.260	592.650	705.450
52	471.250	577.800	556.000	527.740	626.580
53	411.700	502.660	490.310	464.110	545.450
54	346.580	420.790	414.440	387.980	456.910
55	281.570	337.230	342.480	323.440	374.950
56	216.560	267.450	274.850	263.540	299.930
57	151.670	197.680	207.220	203.640	225.880
58	108.460	128.560	139.980	143.960	158.390
59	78.115	85.474	90.313	95.867	100.460
60	67.176	67.865	66.779	68.464	85.859
61	62.654	63.082	62.019	62.604	72.078
62	57.852	59.022	57.299	57.289	58.297
63	52.852	54.257	53.298	53.553	54.156
64	49.213	51.189	50.037	50.027	50.635
65	46.810	49.106	47.591	47.658	48.290
66	44.879	47.315	45.505	44.935	45.247
67	42.374	45.105	44.020	43.144	43.669
68	38.862	41.233	40.878	41.450	41.773
69	38.521	41.087	39.615	39.164	39.108
70	38.287	41.709	40.609	39.968	39.817
71	39.633	44.281	46.300	41.988	40.666
72	35.487	39.117	38.820	39.156	39.742
73	33.975	37.784	37.510	38.234	38.718
74	33.856	37.670	37.030	36.758	36.939
75	33.800	37.800	37.445	37.616	38.005

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CANDELA TABULATION - (Cont.)

76	32.486	36.744	36.221	36.719	37.049
77	31.623	35.672	34.912	35.421	36.031
78	30.111	33.599	33.279	34.181	34.792
79	28.960	32.128	31.965	32.591	33.212
80	27.368	30.128	30.046	30.745	31.031
81	26.043	28.559	28.638	29.462	29.514
82	24.076	26.635	27.272	27.897	28.132
83	22.077	24.404	24.986	26.002	26.032
84	20.079	22.434	22.814	23.472	23.022
85	18.092	20.464	20.642	20.942	19.564
86	17.336	18.501	18.488	18.437	18.336
87	15.264	17.028	17.513	17.858	17.877
88	15.027	16.670	16.783	16.664	16.638
89	16.005	17.838	17.912	17.709	16.957
90	15.940	17.649	17.673	17.661	17.625
91	16.130	18.023	17.892	17.675	17.922
92	16.125	17.914	17.765	17.923	18.105
93	16.145	17.870	17.936	18.136	18.077
94	16.221	17.994	17.961	18.372	18.333
95	16.384	17.995	18.145	18.547	18.307
96	16.151	17.825	17.815	18.341	17.766
97	15.388	17.430	17.615	18.007	17.855
98	14.906	17.128	17.351	17.662	17.507
99	15.063	17.352	17.603	18.113	18.178
100	15.171	17.424	17.547	17.939	18.147
101	13.622	15.572	15.621	17.008	17.784
102	12.972	14.417	14.202	15.018	15.335
103	14.195	15.651	15.770	15.806	15.842
104	15.321	17.172	17.142	17.146	17.854
105	15.085	16.801	17.050	17.031	17.390
106	15.148	16.852	17.111	16.873	17.251
107	15.014	16.613	17.235	16.729	17.429
108	14.732	16.540	17.015	16.855	17.376
109	14.452	16.415	16.843	16.511	17.106
110	14.723	16.620	16.904	16.319	17.055
111	15.162	17.083	16.959	16.716	17.508
112	15.372	17.504	17.464	17.031	17.988
113	15.151	17.491	17.359	17.354	18.412
114	14.004	16.199	15.413	15.863	17.300
115	13.562	15.855	14.962	15.261	16.243
116	14.405	16.923	16.106	15.758	16.427
117	14.905	17.393	16.589	16.424	17.306
118	15.267	17.347	16.727	16.585	17.349
119	15.381	17.237	17.048	16.859	16.766
120	15.568	17.626	17.068	17.330	17.063
121	15.839	17.867	17.061	17.323	17.436
122	15.891	18.091	16.937	17.212	17.908
123	15.847	18.296	16.827	17.175	17.928
124	15.645	17.738	16.238	17.202	17.794
125	15.361	17.227	15.550	16.834	17.035
126	15.150	17.027	15.300	16.501	16.524
127	15.716	17.750	16.083	17.116	17.519
128	15.371	17.589	16.023	17.213	17.524
129	15.063	17.640	15.952	17.062	17.325
130	15.264	17.958	16.108	16.827	16.971
131	15.479	18.359	16.340	16.716	17.042

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

132	15.030	18.184	16.195	16.533	17.083
133	14.557	17.174	15.574	16.176	16.735
134	14.155	16.329	15.314	15.918	16.380
135	13.941	16.187	15.175	15.931	15.759
136	13.922	16.039	15.194	16.141	15.722
137	13.754	16.090	15.091	16.075	15.987
138	13.404	16.507	14.820	15.662	15.400
139	12.902	15.892	14.210	15.097	15.102
140	11.925	14.683	12.743	13.194	12.878
141	10.744	13.054	11.287	12.129	12.004
142	10.187	12.345	10.585	11.484	11.366
143	9.283	11.206	9.445	10.423	9.929
144	8.373	10.181	8.218	8.839	8.478
145	6.395	7.409	6.333	7.206	7.027
146	5.713	6.903	5.714	6.359	6.393
147	5.179	6.342	5.252	5.822	5.895
148	3.857	4.221	3.294	3.694	3.616
149	3.917	4.145	3.178	3.569	3.484
150	3.374	3.671	2.696	2.978	1.949
151	0.959	1.085	0.940	0.800	0.563
152	0.666	0.667	0.643	0.647	0.520
153	0.673	0.675	0.648	0.653	0.519
154	0.673	0.677	0.650	0.654	0.522
155	0.676	0.683	0.656	0.657	0.524
156	0.679	0.689	0.663	0.661	0.528
157	0.682	0.695	0.670	0.664	0.532
158	0.687	0.700	0.679	0.670	0.538
159	0.694	0.706	0.690	0.676	0.542
160	0.700	0.713	0.701	0.684	0.546
161	0.705	0.717	0.711	0.691	0.548
162	0.710	0.718	0.717	0.697	0.548
163	0.715	0.723	0.723	0.703	0.552
164	0.721	0.728	0.730	0.712	0.560
165	0.732	0.736	0.742	0.724	0.571
166	0.736	0.738	0.745	0.729	0.585
167	0.726	0.730	0.737	0.723	0.599
168	0.723	0.727	0.734	0.721	0.607
169	0.718	0.722	0.729	0.717	0.611
170	0.707	0.714	0.720	0.708	0.612
171	0.695	0.704	0.709	0.699	0.608
172	0.684	0.694	0.698	0.691	0.604
173	0.685	0.696	0.702	0.693	0.613
174	0.694	0.706	0.715	0.703	0.629
175	0.703	0.712	0.725	0.711	0.664
176	0.707	0.710	0.728	0.711	0.688
177	0.696	0.693	0.713	0.696	0.685
178	0.685	0.676	0.698	0.681	0.671
179	0.673	0.658	0.683	0.666	0.652
180	0.640	0.640	0.640	0.640	0.640

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	213.53	N.A.	9.40
0-30	584.23	N.A.	25.80
0-40	1072.59	N.A.	47.30
0-60	2065.54	N.A.	91.10
0-80	2161.17	N.A.	95.30
0-90	2185.27	N.A.	96.40
10-90	2133.86	N.A.	94.10
20-40	859.07	N.A.	37.90
20-50	1462.13	N.A.	64.50
40-70	1050.51	N.A.	46.30
60-80	95.63	N.A.	4.20
70-80	38.06	N.A.	1.70
80-90	24.10	N.A.	1.10
90-110	35.36	N.A.	1.60
90-120	50.92	N.A.	2.20
90-130	65.35	N.A.	2.90
90-150	81.81	N.A.	3.60
90-180	82.49	N.A.	3.60
110-180	47.13	N.A.	2.10
0-180	2267.76	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	51.41
10-20	162.12
20-30	370.70
30-40	488.37
40-50	603.07
50-60	389.88
60-70	57.57
70-80	38.06
80-90	24.10
90-100	18.68
100-110	16.67
110-120	15.56
120-130	14.43
130-140	11.74
140-150	4.73
150-160	0.43
160-170	0.19
170-180	0.06

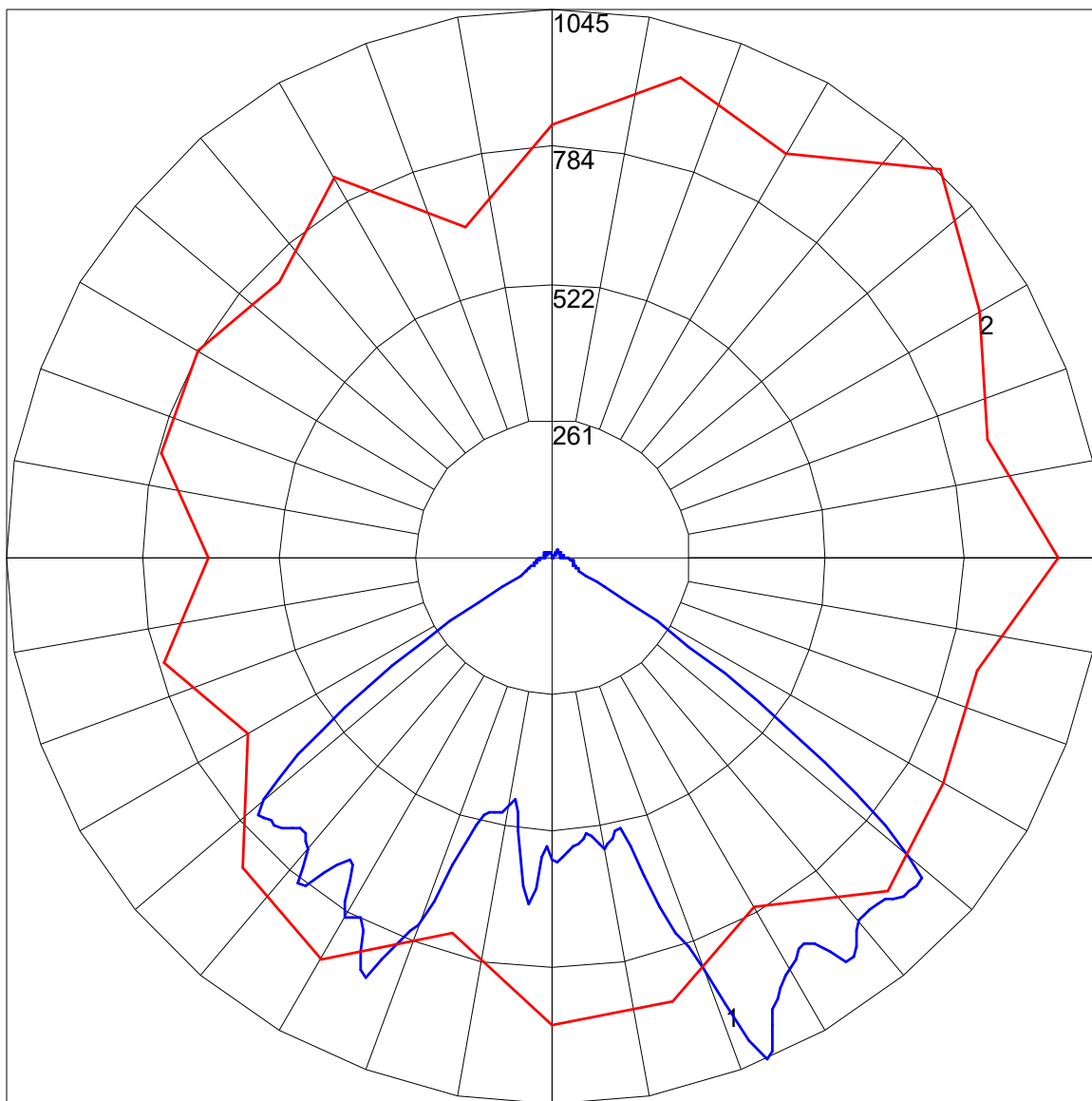
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	110	106	102	99	107	103	100	97	98	96	93	94	92	90	90	88	86	84
2	101	94	88	83	98	92	86	82	88	83	79	84	80	77	80	77	75	72
3	93	83	76	70	90	81	75	69	78	72	68	75	70	66	72	68	65	62
4	85	74	66	60	83	73	65	59	70	63	58	67	61	57	64	60	56	54
5	78	66	58	52	76	65	57	51	62	56	50	60	54	49	58	53	49	46
6	72	59	51	45	70	58	50	44	56	49	44	54	48	43	52	47	42	40
7	66	54	45	39	65	53	45	39	51	44	38	49	43	38	47	42	37	35
8	62	48	40	35	60	48	40	34	46	39	34	45	38	33	43	37	33	31
9	57	44	36	31	56	43	36	30	42	35	30	41	34	30	39	34	29	28
10	53	40	33	27	52	40	32	27	38	32	27	37	31	27	36	30	26	25

POLAR GRAPH



Maximum Candela = 1044.7 Located At Horizontal Angle = 45, Vertical Angle = 23
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (23) (Through Max. Cd.)