



IES ROAD REPORT
PHOTOMETRIC FILENAME : CBR8-4L-50.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 68260LC00043501
[TESTLAB] Shenzhen Anbotek Pengcheng Compliance Laboratory Limited
[TESTDATE] 2020-11-9
[ISSUE DATE] 2022-09-20
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] CBR8-4L-50
[TEST PROCEDURE] PROCEDURE IESNA LM-79-19
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
[FACTORED] SCALED FROM ORIGINAL TEST DATA
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor
[SEARCH_COLORTEMP] 5000

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4312
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	38
Ballast Factor	1.00
Upward Waste Light Ratio	0.07
Maximum Candela	2238.629
Maximum Candela Angle	90H 56V
Maximum Candela (<90 Degrees Vertical)	2238.629
Maximum Candela Angle (<90 Degrees Vertical)	90H 56V
Maximum Candela At 90 Degrees Vertical	77.571 (1.8% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	281.639 (6.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	68.4	N.A.	1.6
FM - Front-Medium (30-60)	1251.2	N.A.	29.0
FH - Front-High (60-80)	658.1	N.A.	15.3
FVH - Front-Very High (80-90)	72.5	N.A.	1.7
BL - Back-Low (0-30)	66.9	N.A.	1.6
BM - Back-Medium (30-60)	1165.2	N.A.	27.0
BH - Back-High (60-80)	644.3	N.A.	14.9
BVH - Back-Very High (80-90)	73.8	N.A.	1.7
UL - Uplight-Low (90-100)	105.2	N.A.	2.4
UH - Uplight-High (100-180)	206.6	N.A.	4.8
Total	4312.2	N.A.	100.0
BUG Rating	B2-U3-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.322	0.966	0.966	0.966	0.966	0.644	0.322	0.000	0.322	0.966
9	2.253	2.575	2.575	3.219	2.575	1.931	1.931	1.287	0.966	0.644
10	3.219	3.541	4.506	4.506	3.862	3.219	2.897	3.219	2.575	2.253
11	4.828	4.828	5.472	5.472	5.794	4.828	4.506	4.506	4.184	3.541
12	6.437	6.437	7.081	7.081	6.759	6.116	6.437	5.794	5.794	5.150
13	7.725	8.369	8.369	8.047	8.047	7.403	7.403	7.403	7.725	6.437
14	9.012	9.978	9.978	9.656	9.334	8.691	9.012	9.012	9.334	8.691
15	10.622	11.587	11.266	11.266	11.266	10.622	10.622	10.622	11.266	10.300
16	11.909	13.197	12.875	12.553	13.197	12.553	12.553	12.875	13.197	12.553
17	14.162	14.162	14.484	14.162	15.128	14.484	14.484	15.128	15.450	14.484
18	15.772	15.772	15.772	16.737	18.025	17.381	16.416	17.381	17.703	17.059
19	18.025	17.703	16.737	19.634	23.497	19.956	18.991	19.956	20.600	20.278
20	20.600	20.600	19.312	23.175	28.325	24.141	21.887	23.175	23.497	22.853
21	67.915	78.537	101.390	93.021	105.575	35.084	31.222	26.715	27.681	27.681
22	148.706	160.293	169.305	175.099	180.571	192.480	140.659	92.700	59.868	53.753
23	183.146	123.599	116.518	121.024	186.687	237.864	218.874	173.168	160.293	149.993
24	250.418	66.628	68.559	135.187	266.189	306.102	253.958	245.911	234.646	222.093
25	271.661	155.465	224.346	229.818	326.058	324.448	313.827	328.955	300.630	288.399
26	284.858	286.145	292.905	311.573	355.992	348.911	345.692	363.073	364.683	323.161
27	337.645	397.836	345.048	388.501	381.420	399.445	388.823	380.454	381.098	349.233
28	411.676	435.495	410.067	444.185	414.573	419.401	455.773	431.954	406.526	385.282
29	444.185	478.948	450.623	498.904	455.129	480.235	488.604	443.220	455.773	440.645
30	497.938	527.551	512.101	522.079	518.538	498.582	487.316	460.601	492.466	472.832
31	554.910	560.703	550.725	556.197	527.872	524.654	544.932	524.976	528.838	495.685
32	591.603	591.603	580.660	579.050	565.210	544.932	561.347	585.488	555.232	509.526
33	599.972	616.709	619.606	609.628	599.006	582.913	595.466	592.569	571.003	518.538
34	630.872	661.772	616.066	637.309	617.997	599.972	608.663	608.663	619.284	551.369
35	659.840	665.956	660.162	642.459	638.597	623.791	640.850	645.356	622.825	585.810
36	666.922	701.040	677.222	685.268	652.759	644.391	652.759	682.372	644.069	578.085
37	723.893	706.834	701.362	716.490	684.303	660.162	680.118	710.696	657.909	599.006
38	729.687	746.424	738.378	707.478	718.421	702.006	702.328	728.078	684.625	642.137
39	743.849	771.531	753.828	758.012	739.987	713.915	731.940	767.346	737.734	665.956
40	793.096	809.833	788.268	758.334	758.334	747.068	750.931	776.359	745.459	704.259
41	779.899	836.549	806.615	814.018	765.093	741.274	782.474	792.130	758.012	709.409
42	822.708	834.940	836.549	826.249	779.899	779.577	784.727	798.246	755.437	776.359
43	826.571	889.014	841.699	834.296	821.099	774.106	825.605	810.477	795.027	758.334
44	866.805	889.336	876.461	850.068	810.799	801.465	833.652	837.193	803.396	791.809
45	906.074	946.308	903.177	892.233	846.849	823.030	851.999	864.230	846.527	797.602
46	918.305	962.401	912.189	902.855	863.264	834.296	910.580	877.749	859.402	823.352
47	955.964	983.645	936.008	917.661	884.508	862.943	931.502	918.949	892.233	845.883
48	982.036	1004.889	987.829	948.883	923.455	892.555	957.895	957.573	926.995	856.827
49	1028.385	1048.342	1016.476	993.945	951.136	925.064	996.198	986.220	965.942	910.258
50	1077.632	1090.185	1095.013	1036.754	1015.510	957.895	1026.776	1048.020	1017.120	940.514
51	1160.032	1183.528	1172.263	1104.669	1092.116	1071.516	1098.876	1104.991	1090.829	991.370
52	1242.109	1275.584	1285.240	1215.072	1232.131	1178.057	1197.047	1198.335	1207.991	1101.451

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CANDELA TABULATION - (Cont.)

53	1379.227	1408.518	1428.474	1385.987	1415.921	1332.234	1353.478	1332.234	1338.028	1212.497
54	1586.514	1589.733	1651.532	1709.148	1721.701	1630.932	1584.904	1632.864	1551.752	1364.421
55	1832.103	1828.563	1966.968	2071.577	2151.724	2024.584	2036.171	1957.312	1794.766	1663.442
56	2093.465	2050.655	2187.773	2225.433	2238.629	2213.845	2191.314	2171.358	2036.171	1862.681
57	2118.571	1965.037	1930.918	1903.237	1846.266	1798.628	1857.531	2005.593	2062.886	1919.009
58	1819.228	1646.060	1604.539	1558.511	1449.074	1441.671	1513.449	1549.177	1716.873	1741.979
59	1488.021	1398.862	1314.853	1222.153	1199.300	1197.047	1231.166	1315.175	1439.096	1358.628
60	1221.188	1233.097	1165.825	1081.495	1064.113	1043.514	1091.795	1173.550	1246.294	1157.135
61	1113.682	1123.660	1049.307	996.520	987.186	975.920	1015.510	1087.932	1103.704	1013.579
62	1038.364	1052.526	971.414	942.767	923.455	918.949	966.908	1032.248	1037.398	935.042
63	982.036	981.714	912.833	889.014	885.152	887.727	920.236	966.264	977.529	896.417
64	924.099	933.433	863.908	828.502	842.986	847.815	866.805	917.983	923.455	855.539
65	872.277	890.302	823.352	790.843	810.155	802.430	831.077	862.621	869.058	823.030
66	842.986	854.896	778.934	753.184	767.346	751.253	786.980	823.674	824.318	784.084
67	803.718	807.580	728.721	714.237	728.078	710.375	742.884	776.681	792.452	752.540
68	753.184	735.803	677.222	667.565	668.531	666.922	689.131	730.653	749.643	708.122
69	704.581	680.440	627.653	625.400	628.941	616.709	633.125	680.762	705.868	663.381
70	643.425	632.159	574.866	592.569	595.466	580.660	591.281	625.078	663.381	618.641
71	600.616	588.063	540.104	569.072	565.532	557.163	568.107	591.925	624.434	561.991
72	560.060	547.185	517.251	541.391	537.529	525.941	533.988	561.991	582.591	536.241
73	522.722	509.526	487.960	510.169	499.548	505.985	515.641	529.804	554.588	506.951
74	482.810	469.613	457.704	470.901	472.832	480.879	495.041	490.857	525.297	474.763
75	449.335	428.414	430.989	436.138	446.117	454.807	464.141	459.635	490.213	437.426
76	407.492	390.754	392.042	397.192	411.354	408.457	432.920	427.126	449.657	407.492
77	374.983	351.164	352.773	358.889	368.545	361.464	379.167	378.845	415.217	370.798
78	344.405	314.792	315.436	305.780	301.274	310.286	331.530	331.208	364.683	333.783
79	306.745	267.799	269.086	252.993	255.889	268.764	285.502	280.352	319.620	294.514
80	273.592	240.118	235.611	221.449	224.990	226.921	242.049	243.336	281.639	252.993
81	228.852	214.046	210.505	192.802	196.987	199.240	209.540	213.402	246.555	220.161
82	202.458	190.227	174.134	170.915	172.846	174.134	182.502	190.227	203.424	194.090
83	176.065	164.477	148.384	144.843	148.706	152.568	160.293	157.074	182.824	164.155
84	150.315	136.474	128.428	122.634	130.359	133.899	140.337	139.371	155.143	141.302
85	127.462	113.299	111.046	106.218	111.368	117.806	122.312	122.634	132.934	120.381
86	107.506	99.137	97.528	92.378	100.103	103.965	107.506	106.218	115.874	104.609
87	93.987	87.550	84.653	84.009	84.975	90.768	93.343	90.768	99.459	86.906
88	80.790	76.606	76.606	75.318	75.640	80.468	80.790	80.146	87.871	78.859
89	71.134	69.203	70.490	71.456	72.743	73.065	73.065	72.422	76.606	70.812
90	67.272	67.272	69.203	68.881	69.525	69.847	68.559	67.915	68.559	65.340
91	67.593	67.915	69.203	67.915	68.237	68.559	68.237	67.593	66.306	62.122
92	64.053	70.168	70.168	69.203	69.847	68.559	68.881	68.881	63.409	60.834
93	64.697	73.387	72.422	69.847	71.778	73.387	72.743	71.134	63.731	61.800
94	66.628	77.893	75.318	74.675	77.250	80.790	77.250	74.675	64.375	63.087
95	70.490	82.400	81.756	82.078	87.550	87.228	84.009	78.537	67.272	67.593
96	75.318	88.193	88.193	93.021	96.884	98.171	91.412	84.975	72.100	73.387
97	84.653	100.746	107.828	113.299	120.059	128.106	119.093	96.562	84.653	80.790
98	107.828	126.174	149.027	152.568	164.155	180.571	165.765	132.290	108.150	100.425
99	146.452	189.583	205.677	218.552	219.840	215.011	206.965	192.158	160.937	141.302
100	172.846	209.218	215.333	217.908	216.943	212.436	204.712	209.540	175.743	206.321
101	158.684	196.665	203.746	204.712	195.055	182.824	187.330	198.596	154.821	206.643
102	140.981	177.030	174.134	175.743	173.490	164.155	167.374	169.949	132.290	179.927
103	115.231	157.396	141.946	147.096	149.993	144.521	150.315	149.349	114.587	154.821
104	100.746	137.762	125.531	124.243	130.359	126.496	131.646	131.968	100.103	133.899
105	88.193	123.921	113.943	110.081	114.587	109.115	115.231	119.093	85.618	114.909
106	78.215	110.724	103.000	97.528	99.137	96.562	103.643	105.575	74.997	102.678
107	69.525	95.596	91.090	85.940	81.756	84.975	89.481	90.125	67.272	90.768
108	63.731	80.468	77.893	75.962	74.031	76.284	80.146	79.181	62.122	77.571

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109	60.190	74.353	70.812	70.490	69.847	70.812	74.353	72.743	58.903	70.812
110	57.937	69.847	67.593	66.306	67.915	68.881	71.134	69.525	56.006	66.628
111	56.006	67.915	66.628	65.662	67.272	69.203	69.847	67.915	55.040	64.053
112	55.362	67.593	67.272	66.628	68.559	70.490	70.812	68.237	54.397	63.731
113	56.006	69.525	69.847	69.525	71.778	74.997	73.065	70.490	54.718	64.375
114	57.615	73.065	75.640	74.353	76.284	80.468	78.215	74.353	56.328	66.628
115	59.225	79.825	79.825	82.400	84.009	88.193	84.975	79.825	58.903	71.778
116	62.122	86.262	89.159	93.021	92.700	96.562	94.309	87.550	62.443	77.571
117	66.628	91.734	97.206	100.746	101.068	105.253	104.287	95.918	67.272	84.009
118	67.915	95.918	101.390	104.931	107.828	110.403	110.724	104.931	68.237	90.768
119	66.950	97.206	100.103	101.712	103.965	106.218	106.218	104.287	66.306	95.918
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
121	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
123	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
124	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
126	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
128	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
129	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
131	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
133	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
134	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
136	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
138	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
139	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
141	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
143	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
144	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
146	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
148	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
149	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
151	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
153	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
154	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
156	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
158	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
159	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
161	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
163	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
164	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES ROAD REPORT
PHOTOMETRIC FILENAME : CBR8-4L-50.IES

CANDELA TABULATION - (Cont.)

165	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
166	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
168	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
169	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
171	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
173	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
174	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
176	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
178	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
179	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	0.966	0.966	0.000	0.000	0.000	0.000	0.322
9	2.575	3.219	0.322	0.644	1.609	1.931	2.253
10	1.931	1.609	1.609	1.931	2.575	2.897	3.219
11	2.897	2.575	2.897	3.219	4.184	4.184	4.828
12	4.506	4.506	4.828	5.472	5.472	5.472	6.437
13	5.794	5.794	6.116	6.759	6.759	7.403	7.725
14	7.725	7.403	7.725	8.047	8.369	8.691	9.012
15	9.656	9.334	9.656	9.656	10.300	10.622	10.622
16	11.266	10.944	11.587	11.587	11.909	11.909	11.909
17	13.197	12.875	13.519	13.519	14.162	13.841	14.162
18	15.772	15.772	15.772	15.772	16.094	15.772	15.772
19	18.347	19.312	18.347	19.634	18.991	18.347	18.025
20	21.566	23.497	24.141	26.072	23.175	21.566	20.600
21	26.394	32.187	32.831	40.556	45.706	48.925	67.915
22	62.443	67.272	72.422	132.934	154.821	168.340	148.706
23	132.612	157.718	192.802	186.365	211.471	224.990	183.146
24	177.674	228.530	238.830	255.889	272.949	294.192	250.418
25	224.024	265.546	295.802	297.411	340.864	330.242	271.661
26	282.283	309.642	330.242	357.601	359.211	372.408	284.858
27	309.642	337.967	375.948	402.986	395.261	402.986	337.645
28	361.786	399.767	416.182	422.942	421.976	458.992	411.676
29	402.986	446.760	448.370	456.416	458.992	493.754	444.185
30	440.967	486.673	486.673	500.191	478.948	517.894	497.938
31	497.616	471.223	501.479	523.688	523.044	533.344	554.910
32	530.769	507.594	545.575	556.197	559.094	572.291	591.603
33	575.832	533.988	555.232	584.522	593.856	589.350	599.972
34	597.075	569.072	602.547	604.800	607.053	636.987	630.872
35	606.731	602.547	632.803	634.734	633.125	644.712	659.840

IES ROAD REPORT
PHOTOMETRIC FILENAME : CBR8-4L-50.IES

CANDELA TABULATION - (Cont.)

36	586.775	604.156	654.047	661.772	664.347	666.278	666.922
37	625.400	637.953	686.234	670.140	677.222	689.775	723.893
38	637.953	652.437	703.615	719.387	711.018	713.593	729.687
39	694.281	681.406	735.803	729.687	740.309	745.137	743.849
40	700.718	685.912	736.124	766.702	756.724	758.012	793.096
41	727.112	710.375	755.437	766.381	775.715	777.968	779.899
42	717.778	715.525	801.465	782.152	799.533	787.302	822.708
43	688.487	688.809	788.912	822.708	811.121	818.202	826.571
44	711.340	705.546	849.424	816.593	829.790	855.218	866.805
45	680.118	758.656	843.308	861.655	881.933	872.277	906.074
46	673.359	708.765	895.452	895.452	897.061	915.086	918.305
47	666.600	729.043	911.867	898.027	913.799	918.627	955.964
48	694.925	741.596	952.745	939.227	952.101	950.814	982.036
49	713.271	790.843	966.586	987.829	988.151	988.151	1028.385
50	765.737	866.483	1022.914	1026.776	1021.304	1036.754	1077.632
51	862.299	933.755	1069.907	1094.048	1094.048	1098.554	1160.032
52	954.998	1028.707	1143.938	1172.263	1180.310	1200.588	1242.109
53	1114.648	1113.038	1239.213	1284.919	1311.634	1285.562	1379.227
54	1241.144	1275.262	1430.083	1444.568	1482.871	1526.646	1586.514
55	1471.927	1512.161	1640.267	1669.235	1706.251	1815.044	1832.103
56	1543.705	1757.107	1874.591	1900.984	1958.278	2133.699	2093.465
57	1473.858	1936.390	2037.137	2053.552	2098.292	2180.692	2118.571
58	1310.668	1838.219	1981.774	1924.159	1908.387	1877.166	1819.228
59	940.514	1581.686	1704.641	1593.917	1583.617	1517.311	1488.021
60	809.512	1245.650	1432.337	1340.603	1344.465	1290.712	1221.188
61	761.231	1111.751	1239.213	1161.319	1175.160	1128.488	1113.682
62	762.196	1004.567	1072.482	1056.067	1047.698	1044.479	1038.364
63	758.012	961.758	1018.407	983.323	981.070	982.679	982.036
64	748.356	898.671	973.345	927.639	930.858	927.317	924.099
65	746.424	863.264	911.545	877.105	900.280	900.280	872.277
66	760.265	835.583	847.493	834.296	852.643	858.758	842.986
67	737.090	779.899	795.027	784.727	806.615	802.752	803.718
68	691.062	717.134	736.768	706.834	739.343	752.218	753.184
69	642.137	676.256	682.050	650.828	681.406	704.581	704.581
70	604.156	621.859	616.709	602.547	627.653	657.587	643.425
71	563.278	560.703	564.888	556.197	576.797	614.778	600.616
72	516.607	522.079	522.722	504.697	529.804	568.428	560.060
73	477.660	481.845	480.557	461.888	484.741	526.263	522.722
74	440.645	441.288	435.817	431.632	448.048	480.879	482.810
75	409.101	409.101	400.732	394.939	404.273	442.898	449.335
76	367.579	369.511	366.936	360.498	373.695	407.492	407.492
77	336.680	342.473	338.933	326.058	338.289	371.120	374.983
78	307.711	312.861	311.573	294.836	307.389	328.955	344.405
79	279.708	280.030	275.202	265.224	278.742	303.849	306.745
80	242.693	253.314	252.671	241.405	252.671	260.717	273.592
81	215.333	230.461	224.346	221.127	216.943	228.530	228.852
82	184.755	200.849	192.158	187.008	188.296	200.527	202.458
83	159.005	169.949	171.237	167.696	168.340	175.421	176.065
84	137.762	151.924	152.246	151.602	147.096	146.131	150.315
85	118.128	133.899	132.934	130.037	122.634	123.278	127.462
86	104.609	116.518	108.793	114.909	104.931	105.253	107.506
87	92.700	100.103	95.918	96.240	93.987	94.309	93.987
88	82.078	90.446	86.906	85.618	83.365	85.618	80.790
89	74.031	83.043	80.146	80.468	76.928	74.997	71.134
90	68.559	77.571	76.928	75.318	72.100	71.456	67.272
91	65.340	74.031	74.031	71.456	69.525	68.881	67.593

IES ROAD REPORT
PHOTOMETRIC FILENAME : CBR8-4L-50.IES

CANDELA TABULATION - (Cont.)

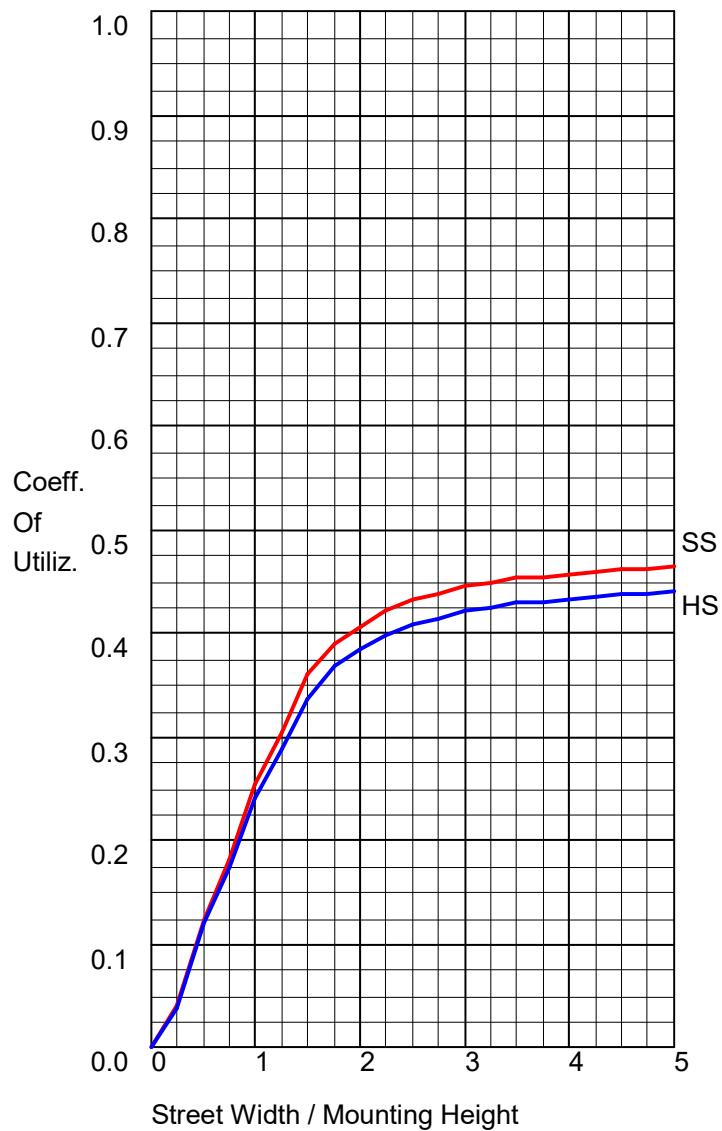
92	62.765	71.134	73.387	70.490	68.881	68.559	64.053
93	61.800	70.812	74.031	71.778	70.490	69.203	64.697
94	63.087	71.456	75.962	73.065	72.743	72.422	66.628
95	65.340	74.031	79.503	75.640	75.962	76.606	70.490
96	66.628	79.503	82.400	78.537	79.503	82.078	75.318
97	72.100	85.940	86.906	85.618	88.515	94.953	84.653
98	83.043	99.459	101.390	99.459	106.862	119.093	107.828
99	105.896	137.762	136.474	129.071	142.590	171.237	146.452
100	143.877	198.274	197.630	198.918	206.321	223.058	172.846
101	170.271	228.208	235.611	230.140	230.783	221.449	158.684
102	159.971	210.183	209.218	213.080	201.493	194.733	140.981
103	143.877	175.743	182.824	182.502	177.352	168.984	115.231
104	129.071	151.281	153.534	154.821	153.212	145.809	100.746
105	112.334	131.003	133.899	126.496	126.174	125.853	88.193
106	102.356	110.081	117.484	111.368	110.403	110.081	78.215
107	90.125	98.171	96.562	97.206	96.562	90.446	69.525
108	79.503	84.009	84.975	84.975	84.009	79.503	63.731
109	71.456	75.318	76.928	75.640	73.387	72.743	60.190
110	66.950	71.134	72.422	68.237	68.559	68.881	57.937
111	64.053	68.559	69.203	65.662	66.306	66.306	56.006
112	63.409	67.272	68.559	64.697	65.662	65.984	55.362
113	63.731	68.237	68.881	64.375	66.306	67.272	56.006
114	66.306	70.490	70.812	67.272	69.203	69.847	57.615
115	69.525	74.031	74.997	71.134	73.387	75.640	59.225
116	73.387	78.859	79.825	75.962	79.181	80.790	62.122
117	79.181	87.550	89.159	83.043	85.618	87.550	66.628
118	87.228	93.665	95.275	89.803	93.343	93.987	67.915
119	93.665	97.850	99.459	95.596	97.528	98.493	66.950
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000
121	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122	0.000	0.000	0.000	0.000	0.000	0.000	0.000
123	0.000	0.000	0.000	0.000	0.000	0.000	0.000
124	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000
126	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127	0.000	0.000	0.000	0.000	0.000	0.000	0.000
128	0.000	0.000	0.000	0.000	0.000	0.000	0.000
129	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000
131	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132	0.000	0.000	0.000	0.000	0.000	0.000	0.000
133	0.000	0.000	0.000	0.000	0.000	0.000	0.000
134	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000
136	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137	0.000	0.000	0.000	0.000	0.000	0.000	0.000
138	0.000	0.000	0.000	0.000	0.000	0.000	0.000
139	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000
141	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142	0.000	0.000	0.000	0.000	0.000	0.000	0.000
143	0.000	0.000	0.000	0.000	0.000	0.000	0.000
144	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000
146	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES ROAD REPORT
PHOTOMETRIC FILENAME : CBR8-4L-50.IES

CANDELA TABULATION - (Cont.)

148	0.000	0.000	0.000	0.000	0.000	0.000	0.000
149	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
151	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152	0.000	0.000	0.000	0.000	0.000	0.000	0.000
153	0.000	0.000	0.000	0.000	0.000	0.000	0.000
154	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000
156	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157	0.000	0.000	0.000	0.000	0.000	0.000	0.000
158	0.000	0.000	0.000	0.000	0.000	0.000	0.000
159	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000
161	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162	0.000	0.000	0.000	0.000	0.000	0.000	0.000
163	0.000	0.000	0.000	0.000	0.000	0.000	0.000
164	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000
166	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167	0.000	0.000	0.000	0.000	0.000	0.000	0.000
168	0.000	0.000	0.000	0.000	0.000	0.000	0.000
169	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000
171	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172	0.000	0.000	0.000	0.000	0.000	0.000	0.000
173	0.000	0.000	0.000	0.000	0.000	0.000	0.000
174	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000
176	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177	0.000	0.000	0.000	0.000	0.000	0.000	0.000
178	0.000	0.000	0.000	0.000	0.000	0.000	0.000
179	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000

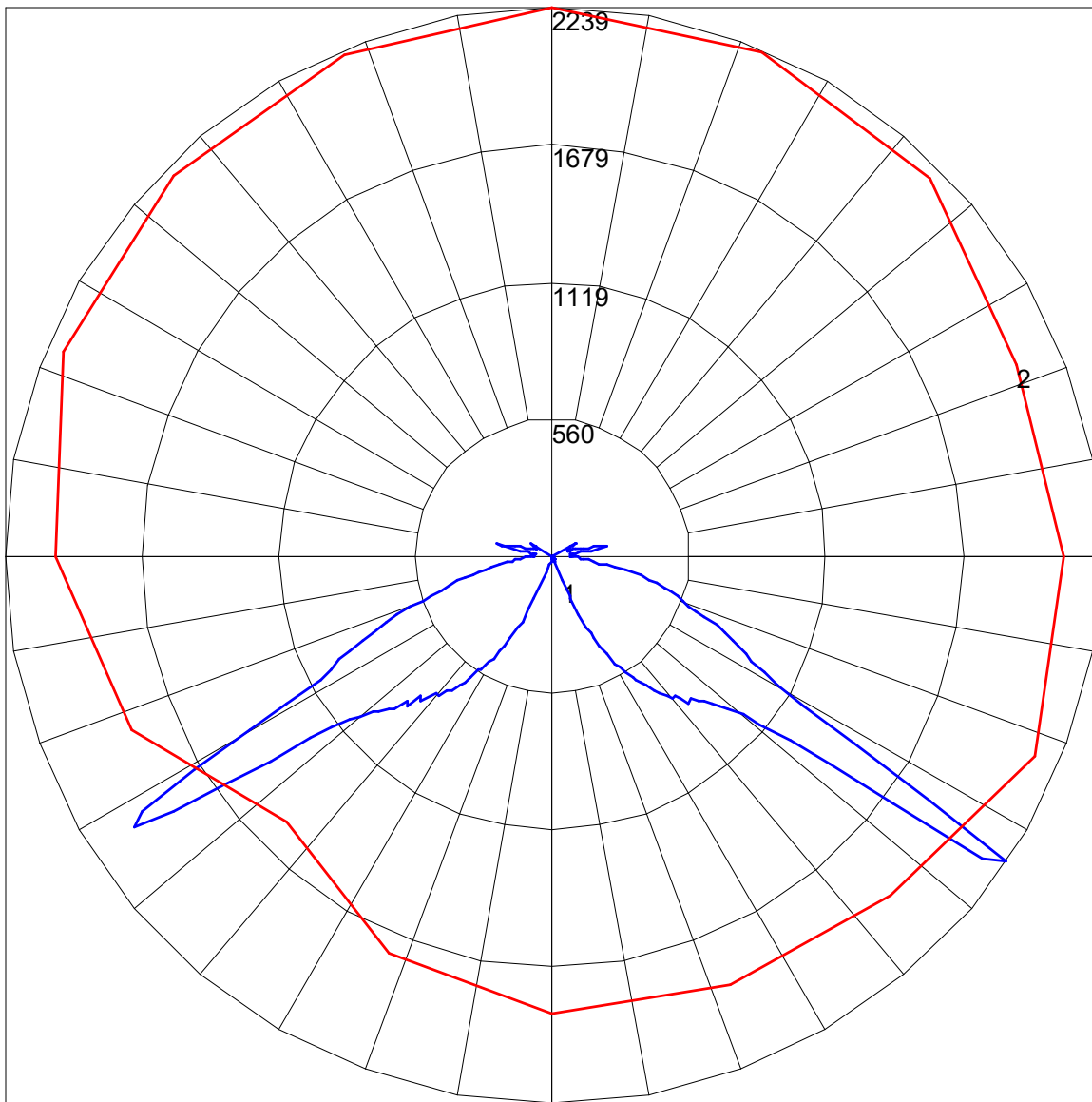
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

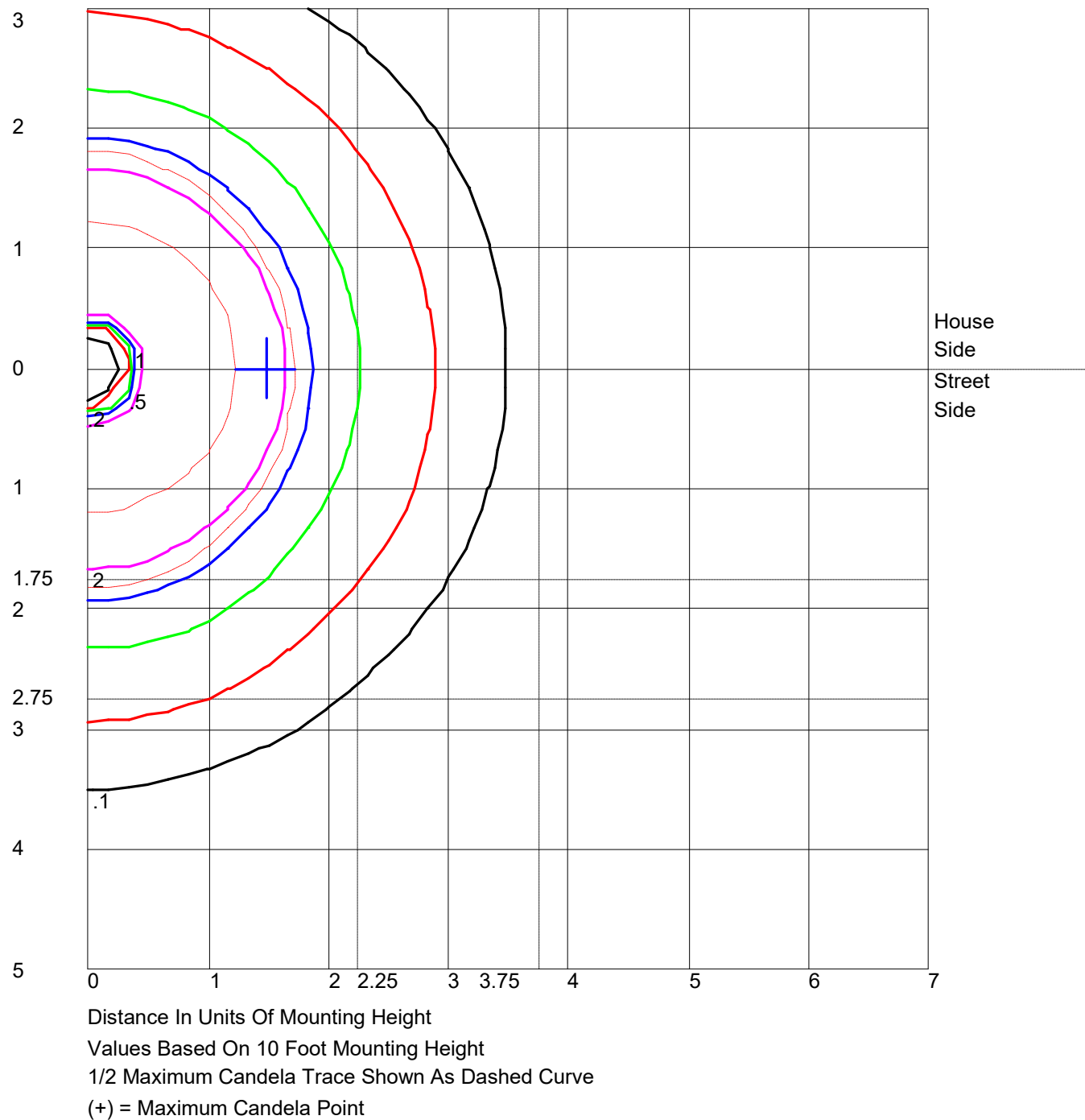
	Lumens	Percent Of Luminaire
Downward Street Side	2050.3	47.5
Downward House Side	1950.2	45.2
Downward Total	4000.5	92.8
Upward Street Side	157.8	3.7
Upward House Side	154.0	3.6
Upward Total	311.8	7.2
Total Flux	4312.3	100.0

POLAR GRAPH

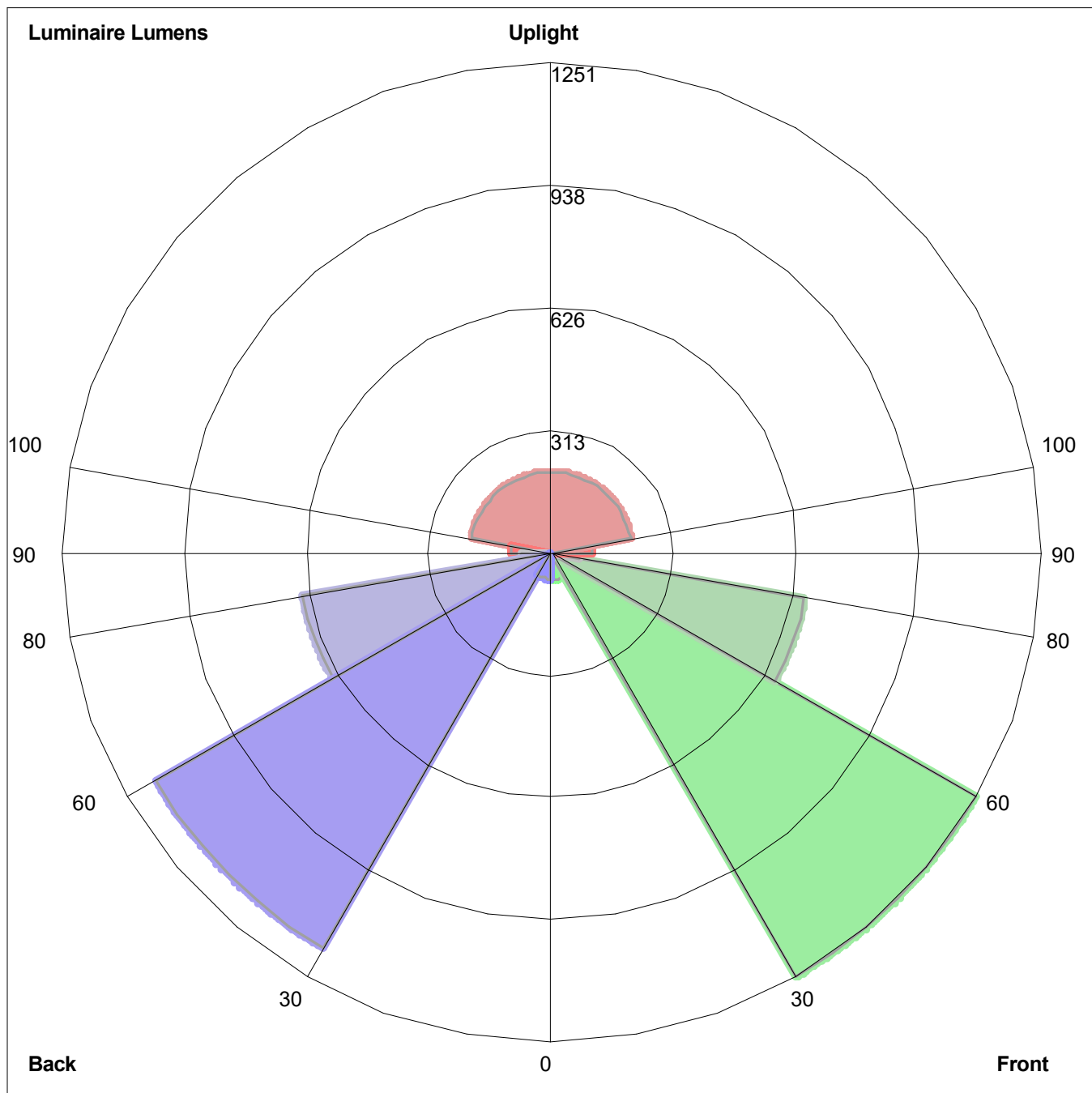


Maximum Candela = 2238.629 Located At Horizontal Angle = 90, Vertical Angle = 56
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (56) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=68.4, Medium=1251.2, High=658.1, Very High=72.5
Back: Low=66.9, Medium=1165.2, High=644.3, Very High=73.8
Uplight: Low=105.2, High=206.6

BUG Rating : B2-U3-G1