



IES ROAD REPORT
PHOTOMETRIC FILENAME : CBR8-2L-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] CBR8-2L-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	2372
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	18
Ballast Factor	1.00
Upward Waste Light Ratio	0.07
Maximum Candela	1231.454
Maximum Candela Angle	90H 56V
Maximum Candela (<90 Degrees Vertical)	1231.454
Maximum Candela Angle (<90 Degrees Vertical)	90H 56V
Maximum Candela At 90 Degrees Vertical	42.671 (1.8% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	154.928 (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)	37.6	N.A.	1.6
FM - Front-Medium (30-60)	688.3	N.A.	29.0
FH - Front-High (60-80)	362.0	N.A.	15.3
FVH - Front-Very High (80-90)	39.9	N.A.	1.7
BL - Back-Low (0-30)	36.8	N.A.	1.6
BM - Back-Medium (30-60)	641.0	N.A.	27.0
BH - Back-High (60-80)	354.4	N.A.	14.9
BVH - Back-Very High (80-90)	40.6	N.A.	1.7
UL - Uplight-Low (90-100)	57.9	N.A.	2.4
UH - Uplight-High (100-180)	113.6	N.A.	4.8
Total	2372.1	N.A.	100.0
BUG Rating	B1-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	0.177	0.531	0.531	0.531	0.531	0.354	0.177	0.000	0.177	0.531
9	1.239	1.416	1.416	1.771	1.416	1.062	1.062	0.708	0.531	0.354
10	1.771	1.948	2.479	2.479	2.124	1.771	1.594	1.771	1.416	1.239
11	2.656	2.656	3.010	3.010	3.187	2.656	2.479	2.479	2.302	1.948
12	3.541	3.541	3.895	3.895	3.718	3.364	3.541	3.187	3.187	2.833
13	4.249	4.604	4.604	4.427	4.427	4.072	4.072	4.072	4.249	3.541
14	4.957	5.489	5.489	5.312	5.135	4.781	4.957	4.957	5.135	4.781
15	5.843	6.374	6.197	6.197	6.197	5.843	5.843	5.843	6.197	5.666
16	6.551	7.260	7.082	6.905	7.260	6.905	6.905	7.082	7.260	6.905
17	7.790	7.790	7.968	7.790	8.322	7.968	7.968	8.322	8.499	7.968
18	8.676	8.676	8.676	9.207	9.915	9.561	9.030	9.561	9.738	9.384
19	9.915	9.738	9.207	10.801	12.926	10.978	10.447	10.978	11.332	11.155
20	11.332	11.332	10.623	12.748	15.581	13.280	12.040	12.748	12.926	12.571
21	37.360	43.203	55.774	51.170	58.076	19.299	17.175	14.696	15.227	15.227
22	81.802	88.176	93.133	96.321	99.331	105.882	77.376	50.994	32.933	29.569
23	100.747	67.991	64.096	66.574	102.695	130.847	120.401	95.258	88.176	82.510
24	137.753	36.652	37.714	74.365	146.429	168.385	139.700	135.274	129.077	122.172
25	149.439	85.520	123.411	126.421	179.362	178.477	172.634	180.956	165.374	158.646
26	156.698	157.406	161.125	171.394	195.829	191.933	190.163	199.724	200.609	177.769
27	185.736	218.847	189.808	213.712	209.816	219.732	213.889	209.285	209.639	192.111
28	226.460	239.563	225.575	244.343	228.054	230.709	250.717	237.615	223.627	211.941
29	244.343	263.466	247.884	274.444	250.363	264.174	268.778	243.812	250.717	242.396
30	273.912	290.202	281.703	287.192	285.244	274.266	268.069	253.373	270.902	260.101
31	305.252	308.439	302.950	305.960	290.379	288.608	299.763	288.786	290.910	272.673
32	325.437	325.437	319.417	318.531	310.918	299.763	308.793	322.073	305.429	280.287
33	330.040	339.247	340.841	335.352	329.509	320.656	327.562	325.968	314.105	285.244
34	347.038	364.036	338.893	350.579	339.956	330.040	334.821	334.821	340.664	303.304
35	362.973	366.338	363.150	353.412	351.288	343.143	352.527	355.006	342.612	322.250
36	366.869	385.637	372.535	376.961	359.078	354.475	359.078	375.368	354.298	318.000
37	398.208	388.824	385.814	394.136	376.430	363.150	374.128	390.949	361.911	329.509
38	401.396	410.602	406.176	389.179	395.198	386.168	386.346	400.510	376.607	353.235
39	409.186	424.414	414.675	416.977	407.062	392.720	402.635	422.112	405.822	366.338
40	436.276	445.483	433.621	417.154	417.154	410.957	413.082	427.070	410.072	387.408
41	429.017	460.180	443.713	447.785	420.872	407.770	430.433	435.745	416.977	390.241
42	452.566	459.294	460.180	454.514	429.017	428.840	431.673	439.109	415.560	427.070
43	454.691	489.040	463.013	458.940	451.681	425.830	454.159	445.838	437.339	417.154
44	476.823	489.217	482.135	467.616	446.015	440.880	458.586	460.534	441.942	435.568
45	498.425	520.557	496.831	490.811	465.846	452.743	468.679	475.407	465.668	438.755
46	505.153	529.410	501.789	496.654	474.875	458.940	500.904	482.843	472.751	452.920
47	525.869	541.096	514.891	504.799	486.561	474.699	512.413	505.507	490.811	465.314
48	540.211	552.782	543.398	521.974	507.986	490.988	526.931	526.754	509.933	471.334
49	565.707	576.685	559.156	546.762	523.213	508.871	548.001	542.513	531.358	500.726
50	592.798	599.703	602.359	570.311	558.625	526.931	564.822	576.508	559.510	517.370
51	638.125	651.050	644.853	607.670	600.765	589.433	604.484	607.848	600.057	545.346
52	683.275	701.690	707.001	668.402	677.786	648.041	658.487	659.195	664.507	605.900

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CANDELA TABULATION - (Cont.)

53	758.703	774.816	785.793	762.421	778.888	732.852	744.539	732.852	736.040	666.986
54	872.730	874.501	908.496	940.190	947.095	897.164	871.844	898.227	853.608	750.558
55	1007.827	1005.879	1082.015	1139.560	1183.648	1113.709	1120.083	1076.703	987.288	915.047
56	1151.600	1128.051	1203.478	1224.195	1231.454	1217.820	1205.426	1194.448	1120.083	1024.647
57	1165.411	1080.953	1062.184	1046.957	1015.618	989.412	1021.814	1103.262	1134.779	1055.633
58	1000.744	905.486	882.645	857.326	797.125	793.053	832.537	852.191	944.440	958.250
59	818.550	769.504	723.291	672.298	659.726	658.487	677.256	723.468	791.636	747.372
60	671.767	678.318	641.312	594.923	585.361	574.030	600.589	645.561	685.577	636.532
61	612.628	618.117	577.216	548.178	543.044	536.847	558.625	598.464	607.140	557.563
62	571.197	578.987	534.368	518.609	507.986	505.507	531.889	567.832	570.665	514.360
63	540.211	540.034	502.143	489.040	486.916	488.332	506.215	531.535	537.732	493.113
64	508.340	513.475	475.230	455.753	463.721	466.377	476.823	504.976	507.986	470.626
65	479.833	489.749	452.920	435.037	445.660	441.411	457.169	474.522	478.063	452.743
66	463.721	470.272	428.486	414.321	422.112	413.259	432.912	453.097	453.451	431.319
67	442.119	444.244	400.864	392.897	400.510	390.772	408.655	427.247	435.922	413.967
68	414.321	404.760	372.535	367.223	367.754	366.869	379.086	401.927	412.373	389.533
69	387.585	374.305	345.267	344.028	345.976	339.247	348.278	374.482	388.293	364.921
70	353.943	347.746	316.230	325.968	327.562	319.417	325.259	343.851	364.921	340.310
71	330.395	323.489	297.107	313.042	311.095	306.491	312.512	325.614	343.497	309.147
72	308.085	301.003	284.536	297.815	295.691	289.316	293.743	309.147	320.479	294.982
73	287.546	280.287	268.423	280.640	274.798	278.339	283.650	291.441	305.075	278.870
74	265.590	258.331	251.780	259.039	260.101	264.528	272.318	270.017	288.962	261.164
75	247.176	235.667	237.084	239.916	245.406	250.186	255.321	252.842	269.663	240.625
76	224.158	214.951	215.659	218.492	226.283	224.689	238.146	234.959	247.353	224.158
77	206.275	193.173	194.058	197.422	202.734	198.839	208.577	208.400	228.408	203.973
78	189.455	173.165	173.519	168.207	165.729	170.686	182.372	182.195	200.609	183.612
79	168.738	147.314	148.022	139.170	140.763	147.845	157.053	154.220	175.821	162.010
80	150.501	132.087	129.608	121.818	123.765	124.828	133.149	133.857	154.928	139.170
81	125.890	117.745	115.797	106.059	108.361	109.600	115.266	117.391	135.628	121.109
82	111.371	104.643	95.790	94.019	95.081	95.790	100.393	104.643	111.902	106.768
83	96.852	90.478	81.625	79.677	81.802	83.927	88.176	86.405	100.570	90.300
84	82.687	75.073	70.647	67.460	71.710	73.657	77.198	76.667	85.343	77.729
85	70.116	62.325	61.086	58.430	61.263	64.804	67.283	67.460	73.126	66.221
86	59.138	54.535	53.649	50.816	55.066	57.190	59.138	58.430	63.741	57.545
87	51.702	48.161	46.567	46.213	46.744	49.931	51.347	49.931	54.712	47.806
88	44.442	42.140	42.140	41.432	41.609	44.265	44.442	44.088	48.337	43.380
89	39.130	38.068	38.776	39.307	40.015	40.193	40.193	39.839	42.140	38.953
90	37.006	37.006	38.068	37.891	38.245	38.422	37.714	37.360	37.714	35.943
91	37.182	37.360	38.068	37.360	37.537	37.714	37.537	37.182	36.474	34.173
92	35.235	38.599	38.599	38.068	38.422	37.714	37.891	37.891	34.881	33.464
93	35.589	40.370	39.839	38.422	39.485	40.370	40.015	39.130	35.058	33.996
94	36.652	42.848	41.432	41.078	42.495	44.442	42.495	41.078	35.412	34.704
95	38.776	45.328	44.973	45.151	48.161	47.983	46.213	43.203	37.006	37.182
96	41.432	48.514	48.514	51.170	53.295	54.003	50.285	46.744	39.662	40.370
97	46.567	55.420	59.315	62.325	66.044	70.470	65.512	53.118	46.567	44.442
98	59.315	69.407	81.979	83.927	90.300	99.331	91.186	72.772	59.493	55.243
99	80.562	104.288	113.141	120.224	120.932	118.276	113.850	105.705	88.530	77.729
100	95.081	115.089	118.453	119.870	119.339	116.860	112.611	115.266	96.675	113.496
101	87.291	108.184	112.079	112.611	107.298	100.570	103.049	109.246	85.166	113.673
102	77.553	97.383	95.790	96.675	95.436	90.300	92.071	93.488	72.772	98.977
103	63.388	86.582	78.083	80.916	82.510	79.500	82.687	82.156	63.033	85.166
104	55.420	75.782	69.054	68.345	71.710	69.585	72.418	72.595	55.066	73.657
105	48.514	68.168	62.679	60.555	63.033	60.023	63.388	65.512	47.098	63.211
106	43.026	60.908	56.660	53.649	54.535	53.118	57.013	58.076	41.255	56.482
107	38.245	52.587	50.108	47.275	44.973	46.744	49.223	49.577	37.006	49.931
108	35.058	44.265	42.848	41.786	40.724	41.963	44.088	43.557	34.173	42.671

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CANDELA TABULATION - (Cont.)

109	33.110	40.901	38.953	38.776	38.422	38.953	40.901	40.015	32.402	38.953
110	31.871	38.422	37.182	36.474	37.360	37.891	39.130	38.245	30.808	36.652
111	30.808	37.360	36.652	36.120	37.006	38.068	38.422	37.360	30.277	35.235
112	30.454	37.182	37.006	36.652	37.714	38.776	38.953	37.537	29.923	35.058
113	30.808	38.245	38.422	38.245	39.485	41.255	40.193	38.776	30.100	35.412
114	31.694	40.193	41.609	40.901	41.963	44.265	43.026	40.901	30.986	36.652
115	32.579	43.911	43.911	45.328	46.213	48.514	46.744	43.911	32.402	39.485
116	34.173	47.452	49.046	51.170	50.994	53.118	51.879	48.161	34.349	42.671
117	36.652	50.462	53.472	55.420	55.597	57.899	57.368	52.764	37.006	46.213
118	37.360	52.764	55.774	57.722	59.315	60.732	60.908	57.722	37.537	49.931
119	36.829	53.472	55.066	55.951	57.190	58.430	58.430	57.368	36.474	52.764
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 : CBR8-2L-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. Angles **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	0.531	0.531	0.000	0.000	0.000	0.000	0.177
9	1.416	1.771	0.177	0.354	0.885	1.062	1.239
10	1.062	0.885	0.885	1.062	1.416	1.594	1.771
11	1.594	1.416	1.594	1.771	2.302	2.302	2.656
12	2.479	2.479	2.656	3.010	3.010	3.010	3.541
13	3.187	3.187	3.364	3.718	3.718	4.072	4.249
14	4.249	4.072	4.249	4.427	4.604	4.781	4.957
15	5.312	5.135	5.312	5.312	5.666	5.843	5.843
16	6.197	6.020	6.374	6.374	6.551	6.551	6.551
17	7.260	7.082	7.437	7.437	7.790	7.614	7.790
18	8.676	8.676	8.676	8.676	8.853	8.676	8.676
19	10.093	10.623	10.093	10.801	10.447	10.093	9.915
20	11.863	12.926	13.280	14.342	12.748	11.863	11.332
21	14.519	17.706	18.060	22.310	25.143	26.913	37.360
22	34.349	37.006	39.839	73.126	85.166	92.603	81.802
23	72.949	86.760	106.059	102.518	116.329	123.765	100.747
24	97.737	125.713	131.379	140.763	150.147	161.833	137.753
25	123.234	146.075	162.719	163.604	187.507	181.664	149.439
26	155.282	170.332	181.664	196.714	197.599	204.859	156.698
27	170.332	185.913	206.806	221.680	217.430	221.680	185.736
28	199.016	219.909	228.939	232.657	232.126	252.488	226.460
29	221.680	245.759	246.645	251.071	252.488	271.611	244.343
30	242.573	267.715	267.715	275.151	263.466	284.890	273.912
31	273.735	259.216	275.860	288.077	287.723	293.389	305.252
32	291.972	279.224	300.117	305.960	307.554	314.813	325.437
33	316.761	293.743	305.429	321.541	326.676	324.197	330.040
34	328.447	313.042	331.457	332.696	333.935	350.402	347.038
35	333.758	331.457	348.100	349.163	348.278	354.651	362.973

IES ROAD REPORT
PHOTOMETRIC FILENAME : CBR8-2L-50.IES

CANDELA TABULATION - (Cont.)

36	322.781	332.342	359.787	364.036	365.453	366.515	366.869
37	344.028	350.933	377.492	368.639	372.535	379.440	398.208
38	350.933	358.901	387.054	395.730	391.126	392.542	401.396
39	381.919	374.837	404.760	401.396	407.239	409.895	409.186
40	385.460	377.315	404.937	421.757	416.268	416.977	436.276
41	399.979	390.772	415.560	421.581	426.715	427.955	429.017
42	394.845	393.605	440.880	430.256	439.817	433.089	452.566
43	378.732	378.909	433.975	452.566	446.192	450.087	454.691
44	391.303	388.116	467.262	449.202	456.462	470.449	476.823
45	374.128	417.331	463.898	473.990	485.145	479.833	498.425
46	370.410	389.887	492.582	492.582	493.467	503.382	505.153
47	366.692	401.041	501.611	493.998	502.674	505.330	525.869
48	382.273	407.947	524.098	516.662	523.744	523.036	540.211
49	392.365	435.037	531.712	543.398	543.575	543.575	565.707
50	421.226	476.646	562.698	564.822	561.812	570.311	592.798
51	474.344	513.652	588.548	601.828	601.828	604.307	638.125
52	525.338	565.884	629.272	644.853	649.280	660.435	683.275
53	613.160	612.274	681.682	706.825	721.520	707.178	758.703
54	682.744	701.512	786.678	794.646	815.717	839.797	872.730
55	809.696	831.829	902.299	918.234	938.596	998.443	1007.827
56	849.181	966.572	1031.199	1045.718	1077.235	1173.732	1151.600
57	810.759	1065.194	1120.614	1129.644	1154.255	1199.583	1165.411
58	720.989	1011.191	1090.160	1058.466	1049.790	1032.616	1000.744
59	517.370	870.074	937.711	876.802	871.136	834.662	818.550
60	445.307	685.223	787.918	737.456	739.581	710.011	671.767
61	418.748	611.566	681.682	638.833	646.447	620.773	612.628
62	419.279	552.605	589.965	580.935	576.331	574.560	571.197
63	416.977	529.056	560.218	540.919	539.680	540.565	540.211
64	411.665	494.352	535.430	510.288	512.058	510.110	508.340
65	410.602	474.875	501.434	482.489	495.238	495.238	479.833
66	418.216	459.648	466.200	458.940	469.033	472.397	463.721
67	405.468	429.017	437.339	431.673	443.713	441.588	442.119
68	380.148	394.490	405.291	388.824	406.707	413.790	414.321
69	353.235	372.004	375.191	358.016	374.837	387.585	387.585
70	332.342	342.080	339.247	331.457	345.267	361.734	353.943
71	309.855	308.439	310.741	305.960	317.292	338.185	330.395
72	284.182	287.192	287.546	277.630	291.441	312.688	308.085
73	262.757	265.059	264.351	254.081	266.653	289.493	287.546
74	242.396	242.749	239.740	237.438	246.468	264.528	265.590
75	225.044	225.044	220.440	217.253	222.388	243.635	247.176
76	202.203	203.265	201.849	198.307	205.567	224.158	224.158
77	185.205	188.392	186.445	179.362	186.090	204.150	206.275
78	169.270	172.103	171.394	162.187	169.092	180.956	189.455
79	153.865	154.042	151.387	145.898	153.334	167.145	168.738
80	133.504	139.346	138.993	132.795	138.993	143.419	150.501
81	118.453	126.775	123.411	121.640	119.339	125.713	125.890
82	101.632	110.486	105.705	102.872	103.580	110.308	111.371
83	87.468	93.488	94.196	92.248	92.603	96.498	96.852
84	75.782	83.572	83.749	83.395	80.916	80.386	82.687
85	64.981	73.657	73.126	71.532	67.460	67.814	70.116
86	57.545	64.096	59.846	63.211	57.722	57.899	59.138
87	50.994	55.066	52.764	52.941	51.702	51.879	51.702
88	45.151	49.754	47.806	47.098	45.858	47.098	44.442
89	40.724	45.681	44.088	44.265	42.318	41.255	39.130
90	37.714	42.671	42.318	41.432	39.662	39.307	37.006
91	35.943	40.724	40.724	39.307	38.245	37.891	37.182

IES ROAD REPORT
PHOTOMETRIC FILENAME : CBR8-2L-50.IES

CANDELA TABULATION - (Cont.)

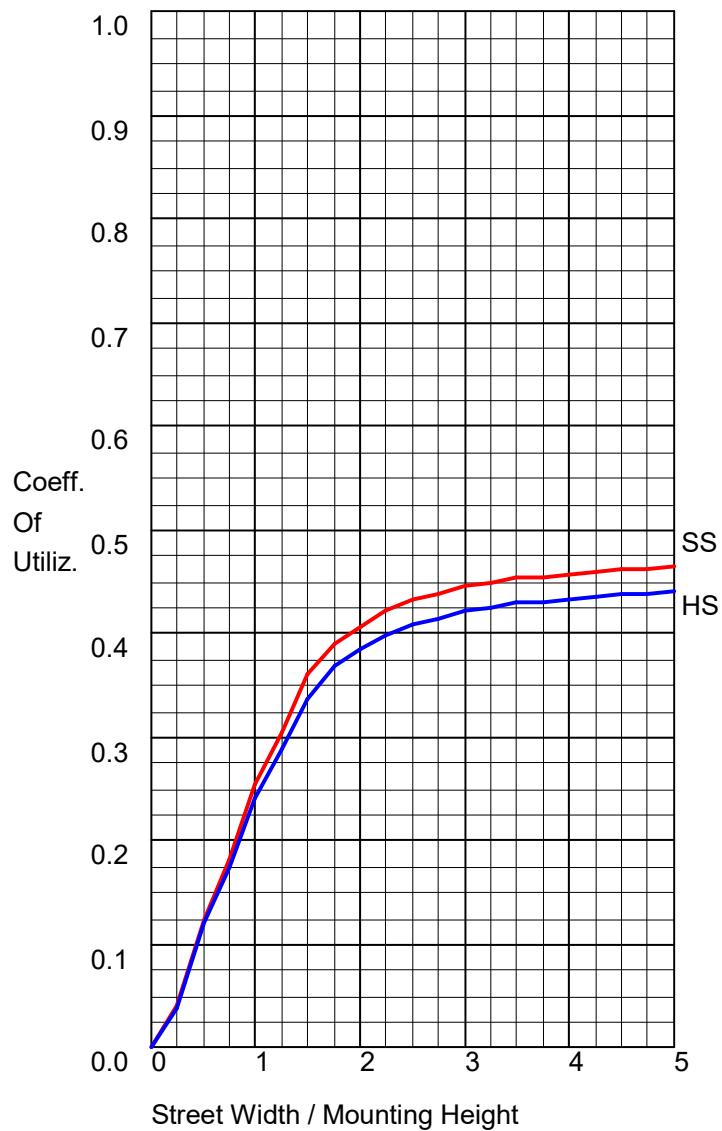
92	34.527	39.130	40.370	38.776	37.891	37.714	35.235
93	33.996	38.953	40.724	39.485	38.776	38.068	35.589
94	34.704	39.307	41.786	40.193	40.015	39.839	36.652
95	35.943	40.724	43.734	41.609	41.786	42.140	38.776
96	36.652	43.734	45.328	43.203	43.734	45.151	41.432
97	39.662	47.275	47.806	47.098	48.691	52.233	46.567
98	45.681	54.712	55.774	54.712	58.784	65.512	59.315
99	58.253	75.782	75.073	71.001	78.438	94.196	80.562
100	79.146	109.069	108.715	109.423	113.496	122.703	95.081
101	93.665	125.536	129.608	126.598	126.952	121.818	87.291
102	87.999	115.620	115.089	117.214	110.840	107.121	77.553
103	79.146	96.675	100.570	100.393	97.560	92.957	63.388
104	71.001	83.219	84.458	85.166	84.281	80.208	55.420
105	61.794	72.064	73.657	69.585	69.407	69.231	48.514
106	56.305	60.555	64.627	61.263	60.732	60.555	43.026
107	49.577	54.003	53.118	53.472	53.118	49.754	38.245
108	43.734	46.213	46.744	46.744	46.213	43.734	35.058
109	39.307	41.432	42.318	41.609	40.370	40.015	33.110
110	36.829	39.130	39.839	37.537	37.714	37.891	31.871
111	35.235	37.714	38.068	36.120	36.474	36.474	30.808
112	34.881	37.006	37.714	35.589	36.120	36.297	30.454
113	35.058	37.537	37.891	35.412	36.474	37.006	30.808
114	36.474	38.776	38.953	37.006	38.068	38.422	31.694
115	38.245	40.724	41.255	39.130	40.370	41.609	32.579
116	40.370	43.380	43.911	41.786	43.557	44.442	34.173
117	43.557	48.161	49.046	45.681	47.098	48.161	36.652
118	47.983	51.524	52.410	49.400	51.347	51.702	37.360
119	51.524	53.827	54.712	52.587	53.649	54.180	36.829
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 : CBR8-2L-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

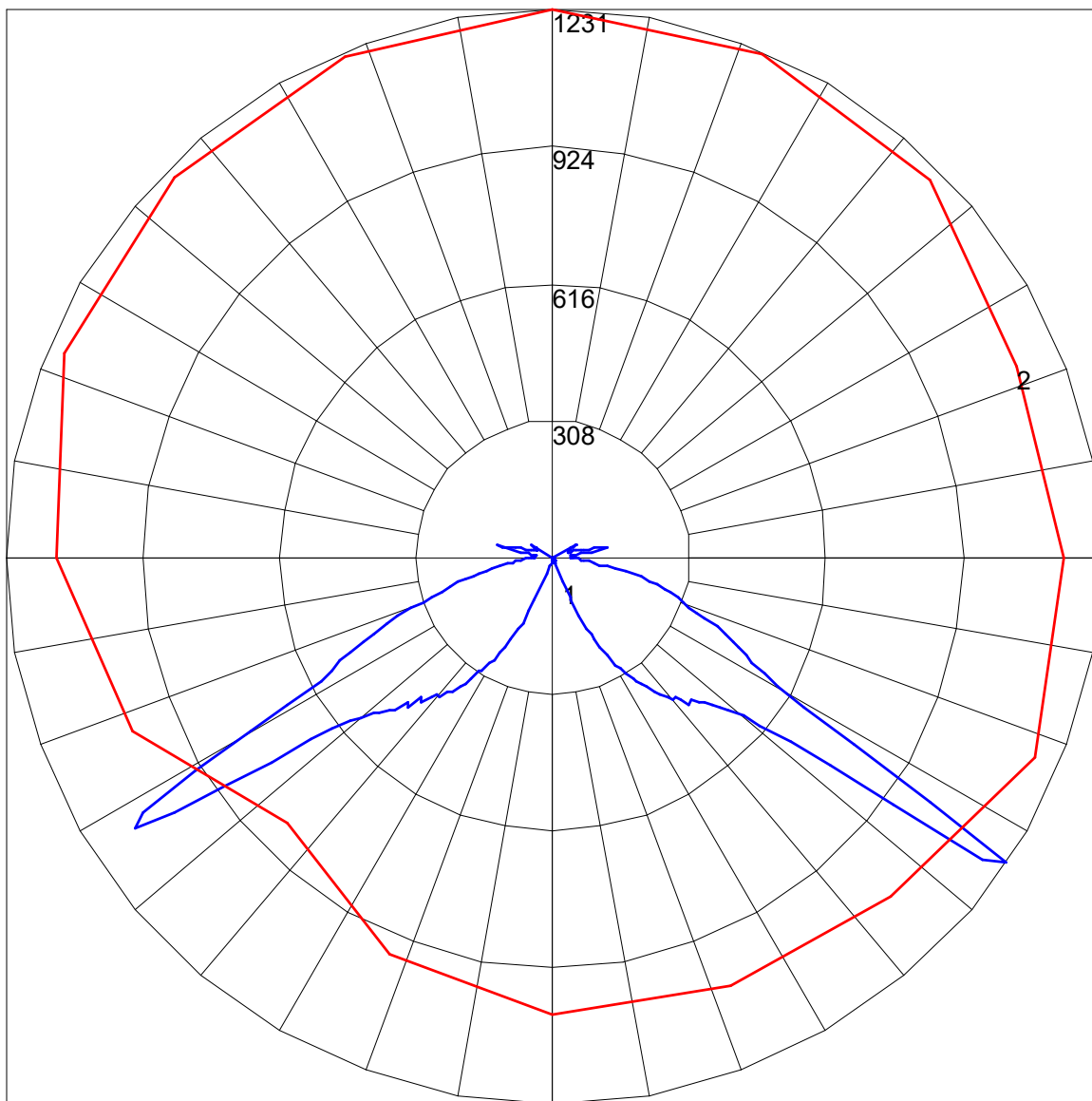
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

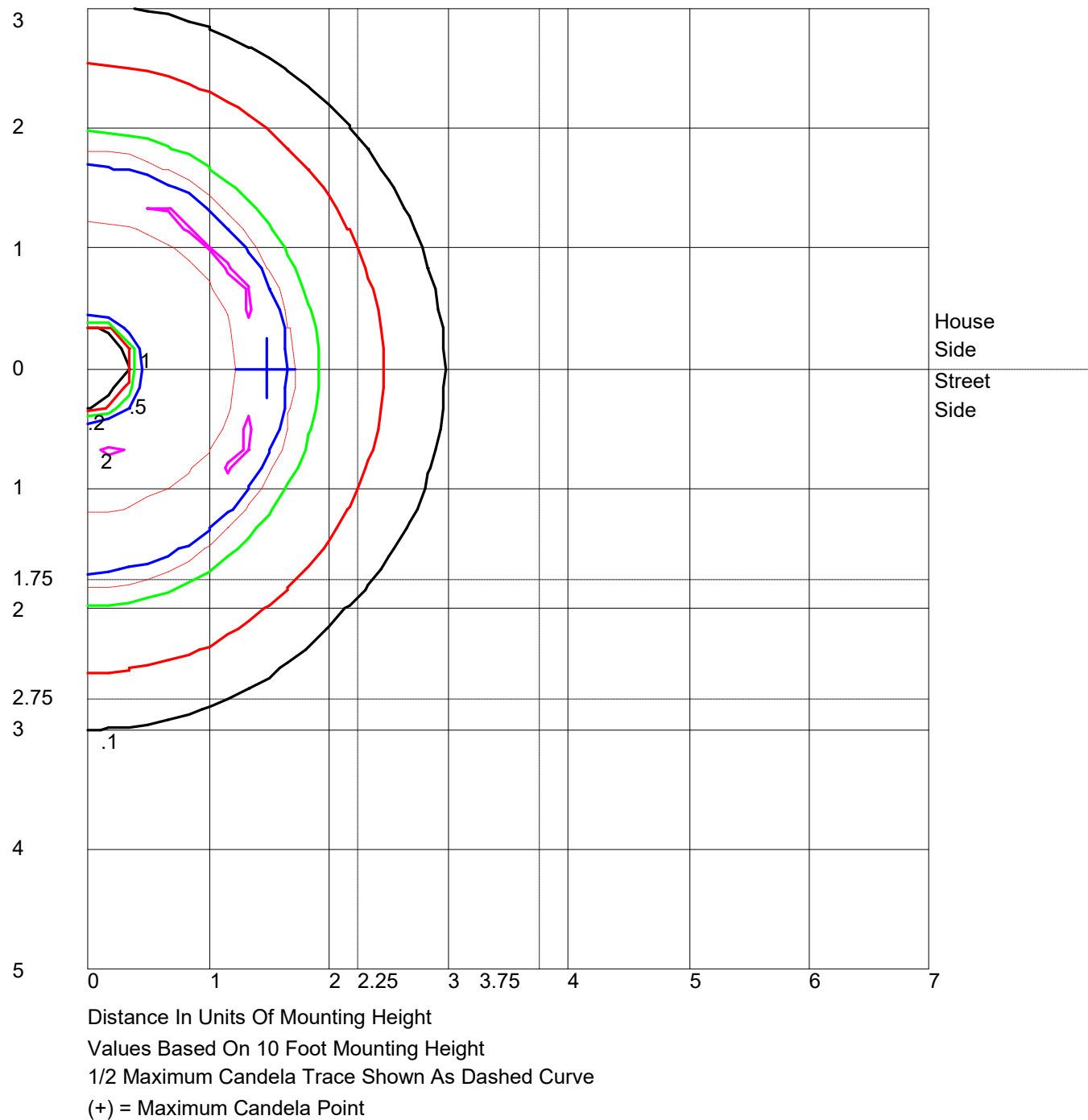
	Lumens	Percent Of Luminaire
Downward Street Side	1127.9	47.5
Downward House Side	1072.8	45.2
Downward Total	2200.7	92.8
Upward Street Side	86.8	3.7
Upward House Side	84.7	3.6
Upward Total	171.5	7.2
Total Flux	2372.2	100.0

POLAR GRAPH

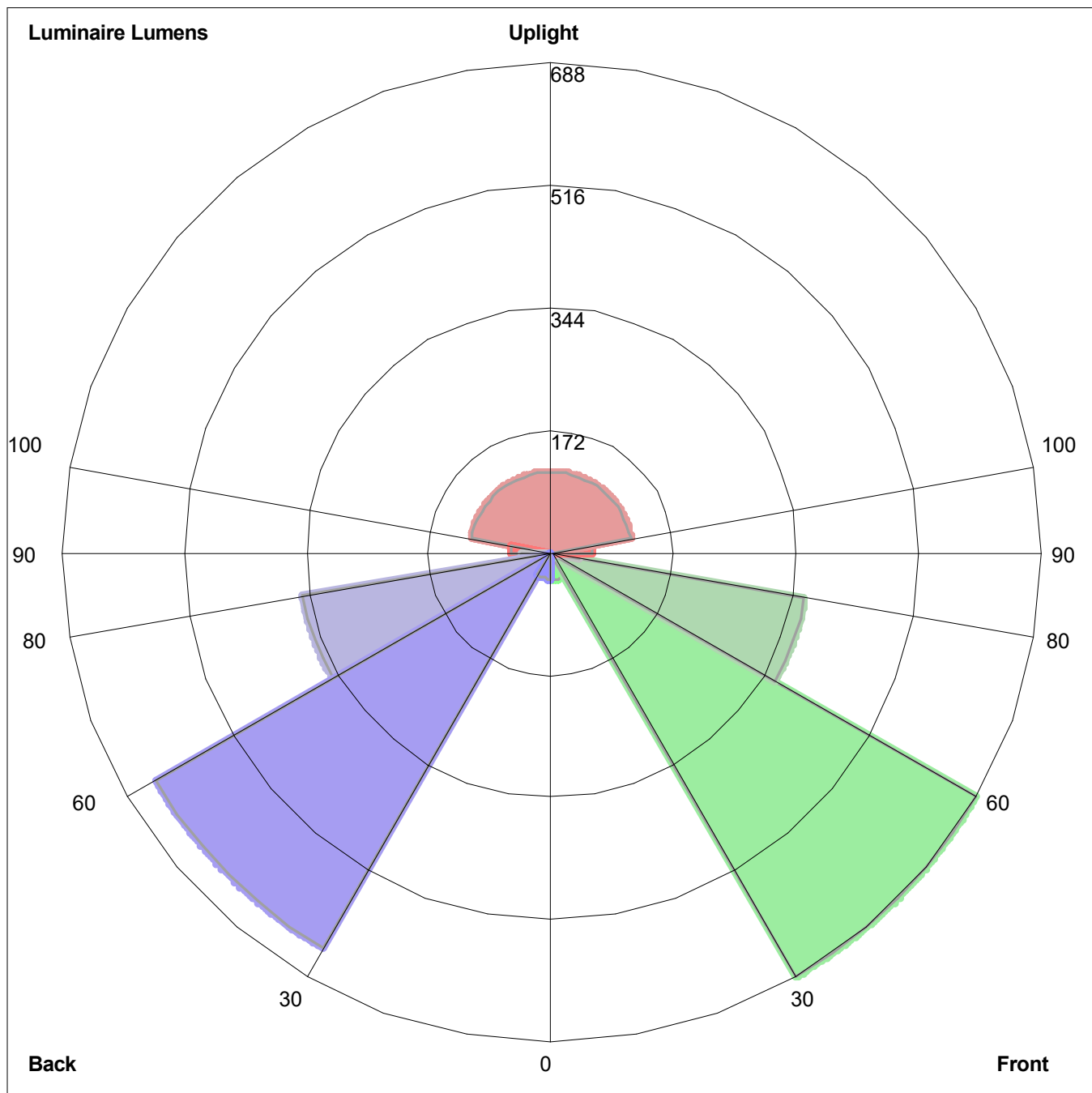


Maximum Candela = 1231.454 Located At Horizontal Angle = 90, Vertical Angle = 56
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (56) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=37.6, Medium=688.3, High=362.0, Very High=39.9
Back: Low=36.8, Medium=641.0, High=354.4, Very High=40.6
Uplight: Low=57.9, High=113.6

BUG Rating : B1-U3-G1