



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : CBR8-4L-40.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-40  
[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] 4000

**CHARACTERISTICS**

IES Classification	Type VS
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4414
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	38
Ballast Factor	1.00
Upward Waste Light Ratio	0.07
Maximum Candela	2291.176
Maximum Candela Angle	90H 56V
Maximum Candela (<90 Degrees Vertical)	2291.176
Maximum Candela Angle (<90 Degrees Vertical)	90H 56V
Maximum Candela At 90 Degrees Vertical	79.392 (1.8% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	288.25 (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)	70.0	N.A.	1.6
FM - Front-Medium (30-60)	1280.6	N.A.	29.0
FH - Front-High (60-80)	673.6	N.A.	15.3
FVH - Front-Very High (80-90)	74.2	N.A.	1.7
BL - Back-Low (0-30)	68.4	N.A.	1.6
BM - Back-Medium (30-60)	1192.6	N.A.	27.0
BH - Back-High (60-80)	659.4	N.A.	14.9
BVH - Back-Very High (80-90)	75.5	N.A.	1.7
UL - Uplight-Low (90-100)	107.7	N.A.	2.4
UH - Uplight-High (100-180)	211.4	N.A.	4.8
Total	4413.4	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	0.329	0.988	0.988	0.988	0.988	0.659	0.329	0.000	0.329	0.988
9	2.306	2.635	2.635	3.294	2.635	1.977	1.977	1.318	0.988	0.659
10	3.294	3.624	4.612	4.612	3.953	3.294	2.965	3.294	2.635	2.306
11	4.941	4.941	5.600	5.600	5.930	4.941	4.612	4.612	4.283	3.624
12	6.589	6.589	7.247	7.247	6.918	6.259	6.589	5.930	5.930	5.271
13	7.906	8.565	8.565	8.236	8.236	7.577	7.577	7.577	7.906	6.589
14	9.224	10.212	10.212	9.883	9.553	8.895	9.224	9.224	9.553	8.895
15	10.871	11.859	11.530	11.530	11.530	10.871	10.871	10.871	11.530	10.542
16	12.189	13.507	13.177	12.848	13.507	12.848	12.848	13.177	13.507	12.848
17	14.495	14.495	14.824	14.495	15.483	14.824	14.824	15.483	15.813	14.824
18	16.142	16.142	16.142	17.130	18.448	17.789	16.801	17.789	18.119	17.460
19	18.448	18.119	17.130	20.095	24.048	20.425	19.436	20.425	21.083	20.754
20	21.083	21.083	19.766	23.719	28.990	24.707	22.401	23.719	24.048	23.389
21	69.509	80.381	103.770	95.205	108.053	35.908	31.955	27.343	28.331	28.331
22	152.196	164.056	173.280	179.209	184.810	196.998	143.960	94.875	61.274	55.015
23	187.445	126.501	119.253	123.865	191.069	243.448	224.012	177.233	164.056	153.514
24	256.296	68.192	70.168	138.360	272.438	313.287	259.919	251.684	240.154	227.306
25	278.038	159.114	229.612	235.212	333.711	332.064	321.193	336.676	307.686	295.168
26	291.544	292.862	299.780	318.887	364.348	357.101	353.806	371.596	373.243	330.746
27	345.571	407.174	353.148	397.620	390.373	408.821	397.950	389.385	390.044	357.430
28	421.339	445.717	419.692	454.612	424.304	429.246	466.471	442.093	416.068	394.326
29	454.612	490.190	461.200	510.614	465.812	491.508	500.073	453.623	466.471	450.988
30	509.626	539.934	524.121	534.333	530.710	510.285	498.755	471.412	504.026	483.931
31	567.935	573.865	563.652	569.253	540.263	536.969	557.723	537.298	541.251	507.320
32	605.490	605.490	594.289	592.642	578.477	557.723	574.524	599.231	568.264	521.486
33	614.055	631.185	634.150	623.938	613.067	596.595	609.443	606.478	584.406	530.710
34	645.680	677.305	630.526	652.269	632.503	614.055	622.950	622.950	633.821	564.311
35	675.329	681.588	675.658	657.540	653.586	638.433	655.893	660.505	637.444	599.560
36	682.576	717.496	693.118	701.354	668.081	659.516	668.081	698.389	659.187	591.654
37	740.885	723.425	717.825	733.308	700.365	675.658	696.083	727.378	673.352	613.067
38	746.815	763.945	755.709	724.084	735.285	718.484	718.813	745.168	700.695	657.210
39	761.310	789.641	771.522	775.805	757.356	730.673	749.121	785.358	755.051	681.588
40	811.712	828.843	806.771	776.134	776.134	764.604	768.557	794.582	762.957	720.790
41	798.206	856.185	825.548	833.125	783.052	758.674	800.841	810.724	775.805	726.061
42	842.020	854.538	856.185	845.643	798.206	797.876	803.147	816.983	773.169	794.582
43	845.973	909.882	861.456	853.879	840.373	792.276	844.985	829.501	813.689	776.134
44	887.151	910.211	897.034	870.021	829.831	820.277	853.220	856.844	822.254	810.395
45	927.342	968.520	924.377	913.176	866.727	842.349	871.998	884.516	866.397	816.324
46	939.860	984.992	933.601	924.047	883.528	853.879	931.954	898.352	879.575	842.679
47	978.403	1006.734	957.979	939.201	905.270	883.198	953.367	940.519	913.176	865.739
48	1005.087	1028.476	1011.017	971.156	945.131	913.506	980.380	980.050	948.755	876.939
49	1052.525	1072.949	1040.336	1017.276	973.462	946.778	1019.582	1009.369	988.615	931.624
50	1102.927	1115.775	1120.716	1061.090	1039.347	980.380	1050.877	1072.620	1040.995	962.591
51	1187.261	1211.309	1199.779	1130.599	1117.751	1096.668	1124.669	1130.929	1116.434	1014.640
52	1271.265	1305.526	1315.409	1243.593	1261.053	1205.709	1225.145	1226.463	1236.346	1127.305

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**CANDELA TABULATION - (Cont.)**

53	1411.602	1441.580	1462.004	1418.520	1449.157	1363.505	1385.247	1363.505	1369.435	1240.958
54	1623.754	1627.048	1690.298	1749.266	1762.114	1669.215	1622.107	1671.192	1588.176	1396.448
55	1875.108	1871.484	2013.139	2120.203	2202.230	2072.106	2083.966	2003.256	1836.894	1702.487
56	2142.604	2098.790	2239.126	2277.670	2291.176	2265.810	2242.750	2222.326	2083.966	1906.404
57	2168.299	2011.162	1976.243	1947.912	1889.603	1840.847	1901.133	2052.670	2111.308	1964.054
58	1861.931	1684.698	1642.202	1595.094	1483.088	1475.511	1548.974	1585.540	1757.172	1782.868
59	1522.949	1431.697	1345.716	1250.841	1227.451	1225.145	1260.065	1346.045	1472.876	1390.518
60	1249.852	1262.041	1193.191	1106.880	1089.091	1068.008	1117.422	1201.097	1275.548	1184.296
61	1139.823	1150.035	1073.937	1019.911	1010.358	998.828	1039.347	1113.469	1129.611	1037.371
62	1062.737	1077.232	994.216	964.897	945.131	940.519	989.604	1056.478	1061.749	956.990
63	1005.087	1004.757	934.260	909.882	905.929	908.564	941.837	988.945	1000.475	917.459
64	945.790	955.343	884.187	847.949	862.774	867.715	887.151	939.531	945.131	875.621
65	892.752	911.200	842.679	809.406	829.172	821.266	850.585	882.869	889.457	842.349
66	862.774	874.963	797.217	770.863	785.358	768.887	805.453	843.008	843.667	802.488
67	822.583	826.537	745.826	731.002	745.168	727.049	760.321	794.911	811.053	770.204
68	770.863	753.074	693.118	683.235	684.223	682.576	705.307	747.803	767.239	724.743
69	721.119	696.412	642.386	640.080	643.704	631.185	647.986	696.742	722.437	678.953
70	658.528	646.998	588.360	606.478	609.443	594.289	605.161	639.750	678.953	633.162
71	614.714	601.866	552.781	582.430	578.806	570.241	581.442	605.819	639.092	575.182
72	573.206	560.029	529.392	554.099	550.146	538.286	546.522	575.182	596.266	548.828
73	534.992	521.486	499.414	522.144	511.273	517.862	527.745	542.240	567.606	518.850
74	494.143	480.636	468.448	481.954	483.931	492.166	506.661	502.379	537.628	485.907
75	459.882	438.470	441.105	446.376	456.588	465.483	475.036	470.424	501.720	447.694
76	417.057	399.926	401.244	406.515	421.010	418.045	443.082	437.152	460.212	417.057
77	383.784	359.407	361.054	367.313	377.196	369.948	388.067	387.738	424.963	379.502
78	352.489	322.181	322.840	312.957	308.345	317.569	339.312	338.982	373.243	341.618
79	313.946	274.085	275.402	258.931	261.896	275.073	292.203	286.932	327.123	301.427
80	280.014	245.754	241.142	226.647	230.271	232.247	247.730	249.048	288.250	258.931
81	234.224	219.070	215.446	197.328	201.610	203.916	214.458	218.411	252.342	225.329
82	207.211	194.692	178.221	174.927	176.903	178.221	186.786	194.692	208.199	198.646
83	180.198	168.338	151.867	148.243	152.196	156.149	164.056	160.761	187.116	168.009
84	153.843	139.678	131.442	125.512	133.419	137.042	143.631	142.643	158.785	144.619
85	130.454	115.959	113.653	108.712	113.982	120.571	125.183	125.512	136.054	123.206
86	110.029	101.464	99.817	94.546	102.452	106.406	110.029	108.712	118.594	107.064
87	96.193	89.605	86.640	85.981	86.969	92.899	95.534	92.899	101.793	88.946
88	82.687	78.404	78.404	77.086	77.416	82.357	82.687	82.028	89.934	80.710
89	72.804	70.827	72.145	73.133	74.451	74.780	74.780	74.121	78.404	72.474
90	68.851	68.851	70.827	70.498	71.157	71.486	70.168	69.509	70.168	66.874
91	69.180	69.509	70.827	69.509	69.839	70.168	69.839	69.180	67.862	63.580
92	65.556	71.815	71.815	70.827	71.486	70.168	70.498	70.498	64.897	62.262
93	66.215	75.110	74.121	71.486	73.463	75.110	74.451	72.804	65.227	63.250
94	68.192	79.722	77.086	76.427	79.063	82.687	79.063	76.427	65.886	64.568
95	72.145	84.334	83.675	84.004	89.605	89.275	85.981	80.381	68.851	69.180
96	77.086	90.263	90.263	95.205	99.158	100.476	93.558	86.969	73.792	75.110
97	86.640	103.111	110.359	115.959	122.877	131.113	121.889	98.829	86.640	82.687
98	110.359	129.136	152.526	156.149	168.009	184.810	169.656	135.395	110.688	102.782
99	149.890	194.034	210.505	223.682	225.000	220.058	211.823	196.669	164.714	144.619
100	176.903	214.129	220.388	223.023	222.035	217.423	209.517	214.458	179.868	211.164
101	162.408	201.281	208.528	209.517	199.634	187.116	191.728	203.258	158.455	211.493
102	144.290	181.186	178.221	179.868	177.562	168.009	171.303	173.938	135.395	184.151
103	117.936	161.091	145.278	150.549	153.514	147.914	153.843	152.855	117.277	158.455
104	103.111	140.996	128.477	127.160	133.419	129.466	134.736	135.066	102.452	137.042
105	90.263	126.830	116.618	112.665	117.277	111.676	117.936	121.889	87.628	117.606
106	80.051	113.324	105.417	99.817	101.464	98.829	106.076	108.053	76.757	105.088
107	71.157	97.840	93.228	87.957	83.675	86.969	91.581	92.240	68.851	92.899
108	65.227	82.357	79.722	77.745	75.769	78.075	82.028	81.039	63.580	79.392

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**CANDELA TABULATION - (Cont.)**

109	61.603	76.098	72.474	72.145	71.486	72.474	76.098	74.451	60.285	72.474
110	59.297	71.486	69.180	67.862	69.509	70.498	72.804	71.157	57.321	68.192
111	57.321	69.509	68.192	67.203	68.851	70.827	71.486	69.509	56.332	65.556
112	56.662	69.180	68.851	68.192	70.168	72.145	72.474	69.839	55.673	65.227
113	57.321	71.157	71.486	71.157	73.463	76.757	74.780	72.145	56.003	65.886
114	58.968	74.780	77.416	76.098	78.075	82.357	80.051	76.098	57.650	68.192
115	60.615	81.698	81.698	84.334	85.981	90.263	86.969	81.698	60.285	73.463
116	63.580	88.287	91.252	95.205	94.875	98.829	96.523	89.605	63.909	79.392
117	68.192	93.887	99.487	103.111	103.441	107.723	106.735	98.170	68.851	85.981
118	69.509	98.170	103.770	107.394	110.359	112.994	113.324	107.394	69.839	92.899
119	68.521	99.487	102.452	104.100	106.406	108.712	108.712	106.735	67.862	98.170
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-40.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	0.988	0.988	0.000	0.000	0.000	0.000	0.329
9	2.635	3.294	0.329	0.659	1.647	1.977	2.306
10	1.977	1.647	1.647	1.977	2.635	2.965	3.294
11	2.965	2.635	2.965	3.294	4.283	4.283	4.941
12	4.612	4.612	4.941	5.600	5.600	5.600	6.589
13	5.930	5.930	6.259	6.918	6.918	7.577	7.906
14	7.906	7.577	7.906	8.236	8.565	8.895	9.224
15	9.883	9.553	9.883	9.883	10.542	10.871	10.871
16	11.530	11.201	11.859	11.859	12.189	12.189	12.189
17	13.507	13.177	13.836	13.836	14.495	14.165	14.495
18	16.142	16.142	16.142	16.142	16.471	16.142	16.142
19	18.777	19.766	18.777	20.095	19.436	18.777	18.448
20	22.072	24.048	24.707	26.684	23.719	22.072	21.083
21	27.013	32.943	33.602	41.508	46.779	50.073	69.509
22	63.909	68.851	74.121	136.054	158.455	172.291	152.196
23	135.725	161.420	197.328	190.739	216.435	230.271	187.445
24	181.845	233.894	244.436	261.896	279.356	301.098	256.296
25	229.282	271.779	302.745	304.392	348.865	337.994	278.038
26	288.909	316.910	337.994	365.995	367.642	381.149	291.544
27	316.910	345.900	384.773	412.445	404.538	412.445	345.571
28	370.278	409.150	425.951	432.869	431.881	469.765	421.339
29	412.445	457.247	458.894	467.130	469.765	505.344	454.612
30	451.317	498.096	498.096	511.932	490.190	530.051	509.626
31	509.297	482.284	513.250	535.980	535.322	545.863	567.935
32	543.228	519.509	558.382	569.253	572.218	585.724	605.490
33	589.348	546.522	568.264	598.242	607.796	603.184	614.055
34	611.090	582.430	616.690	618.996	621.302	651.939	645.680
35	620.973	616.690	647.657	649.633	647.986	659.846	675.329

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : CBR8-4L-40.IES**

**CANDELA TABULATION - (Cont.)**

36	600.548	618.338	669.399	677.305	679.941	681.917	682.576
37	640.080	652.928	702.342	685.871	693.118	705.966	740.885
38	652.928	667.752	720.131	736.273	727.708	730.343	746.815
39	710.578	697.401	753.074	746.815	757.686	762.627	761.310
40	717.166	702.013	753.403	784.699	774.487	775.805	811.712
41	744.179	727.049	773.169	784.370	793.923	796.229	798.206
42	734.626	732.320	820.277	800.512	818.301	805.783	842.020
43	704.648	704.977	807.430	842.020	830.160	837.408	845.973
44	728.037	722.108	869.362	835.760	849.267	875.292	887.151
45	696.083	776.463	863.103	881.881	902.635	892.752	927.342
46	689.165	725.402	916.471	916.471	918.118	936.566	939.860
47	682.247	746.156	933.271	919.106	935.248	940.189	978.403
48	711.237	759.004	975.109	961.273	974.450	973.132	1005.087
49	730.014	809.406	989.274	1011.017	1011.346	1011.346	1052.525
50	783.711	886.822	1046.924	1050.877	1045.277	1061.090	1102.927
51	882.539	955.673	1095.021	1119.728	1119.728	1124.340	1187.261
52	977.415	1052.854	1170.789	1199.779	1208.015	1228.769	1271.265
53	1140.811	1139.164	1268.300	1315.079	1342.422	1315.738	1411.602
54	1270.277	1305.196	1463.651	1478.476	1517.678	1562.480	1623.754
55	1506.477	1547.656	1678.768	1708.417	1746.301	1857.648	1875.108
56	1579.940	1798.351	1918.592	1945.606	2004.244	2183.782	2142.604
57	1508.454	1981.843	2084.954	2101.755	2147.545	2231.879	2168.299
58	1341.433	1881.367	2028.292	1969.324	1953.182	1921.228	1861.931
59	962.591	1618.812	1744.654	1631.331	1620.789	1552.927	1522.949
60	828.513	1274.889	1465.957	1372.070	1376.023	1321.009	1249.852
61	779.099	1137.847	1268.300	1188.579	1202.744	1154.977	1139.823
62	780.087	1028.147	1097.656	1080.855	1072.290	1068.996	1062.737
63	775.805	984.333	1042.312	1006.405	1004.099	1005.746	1005.087
64	765.922	919.765	996.192	949.413	952.708	949.084	945.790
65	763.945	883.528	932.942	897.693	921.412	921.412	892.752
66	778.111	855.197	867.386	853.879	872.657	878.916	862.774
67	754.392	798.206	813.689	803.147	825.548	821.595	822.583
68	707.283	733.967	754.062	723.425	756.698	769.875	770.863
69	657.210	692.130	698.059	666.105	697.401	721.119	721.119
70	618.338	636.456	631.185	616.690	642.386	673.023	658.528
71	576.500	573.865	578.147	569.253	590.336	629.209	614.714
72	528.733	534.333	534.992	516.544	542.240	581.771	573.206
73	488.872	493.155	491.837	472.730	496.120	538.616	534.992
74	450.988	451.647	446.046	441.764	458.565	492.166	494.143
75	418.704	418.704	410.139	404.209	413.762	453.294	459.882
76	376.208	378.184	375.549	368.960	382.467	417.057	417.057
77	344.582	350.512	346.888	333.711	346.230	379.831	383.784
78	314.934	320.205	318.887	301.757	314.604	336.676	352.489
79	286.274	286.603	281.662	271.449	285.285	310.981	313.946
80	248.389	259.260	258.602	247.072	258.602	266.837	280.014
81	220.388	235.871	229.612	226.318	222.035	233.894	234.224
82	189.092	205.564	196.669	191.398	192.716	205.234	207.211
83	162.738	173.938	175.256	171.632	172.291	179.539	180.198
84	140.996	155.490	155.820	155.161	150.549	149.561	153.843
85	120.900	137.042	136.054	133.089	125.512	126.171	130.454
86	107.064	119.253	111.347	117.606	107.394	107.723	110.029
87	94.875	102.452	98.170	98.499	96.193	96.523	96.193
88	84.004	92.569	88.946	87.628	85.322	87.628	82.687
89	75.769	84.993	82.028	82.357	78.733	76.757	72.804
90	70.168	79.392	78.733	77.086	73.792	73.133	68.851
91	66.874	75.769	75.769	73.133	71.157	70.498	69.180

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : CBR8-4L-40.IES**

**CANDELA TABULATION - (Cont.)**

92	64.239	72.804	75.110	72.145	70.498	70.168	65.556
93	63.250	72.474	75.769	73.463	72.145	70.827	66.215
94	64.568	73.133	77.745	74.780	74.451	74.121	68.192
95	66.874	75.769	81.369	77.416	77.745	78.404	72.145
96	68.192	81.369	84.334	80.381	81.369	84.004	77.086
97	73.792	87.957	88.946	87.628	90.593	97.181	86.640
98	84.993	101.793	103.770	101.793	109.370	121.889	110.359
99	108.382	140.996	139.678	132.101	145.937	175.256	149.890
100	147.255	202.928	202.269	203.587	211.164	228.294	176.903
101	174.268	233.565	241.142	235.542	236.200	226.647	162.408
102	163.726	215.117	214.129	218.082	206.222	199.304	144.290
103	147.255	179.868	187.116	186.786	181.515	172.950	117.936
104	132.101	154.832	157.138	158.455	156.808	149.231	103.111
105	114.971	134.078	137.042	129.466	129.136	128.807	90.263
106	104.758	112.665	120.242	113.982	112.994	112.665	80.051
107	92.240	100.476	98.829	99.487	98.829	92.569	71.157
108	81.369	85.981	86.969	86.969	85.981	81.369	65.227
109	73.133	77.086	78.733	77.416	75.110	74.451	61.603
110	68.521	72.804	74.121	69.839	70.168	70.498	59.297
111	65.556	70.168	70.827	67.203	67.862	67.862	57.321
112	64.897	68.851	70.168	66.215	67.203	67.533	56.662
113	65.227	69.839	70.498	65.886	67.862	68.851	57.321
114	67.862	72.145	72.474	68.851	70.827	71.486	58.968
115	71.157	75.769	76.757	72.804	75.110	77.416	60.615
116	75.110	80.710	81.698	77.745	81.039	82.687	63.580
117	81.039	89.605	91.252	84.993	87.628	89.605	68.192
118	89.275	95.864	97.511	91.911	95.534	96.193	69.509
119	95.864	100.146	101.793	97.840	99.817	100.805	68.521
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

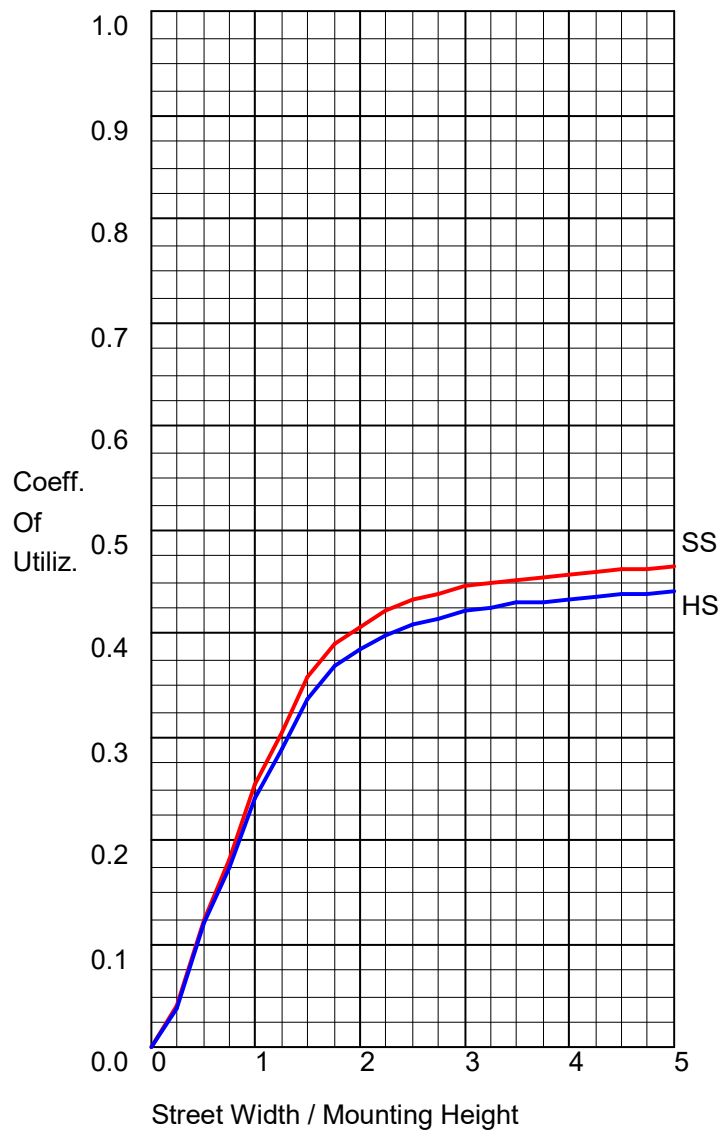


IES ROAD REPORT  
PHOTOMETRIC FILENAME : CBR8-4L-40.IES

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

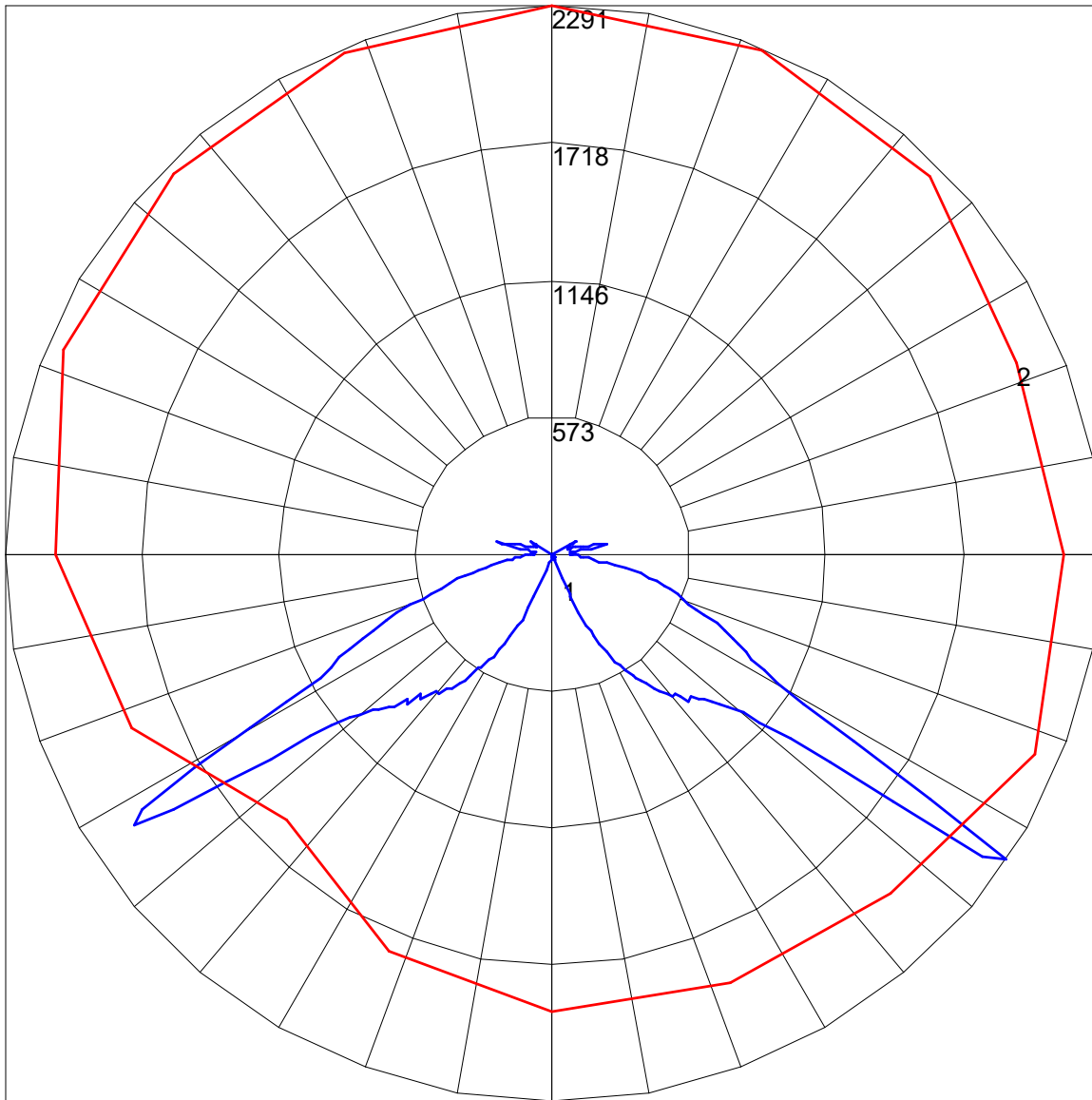
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

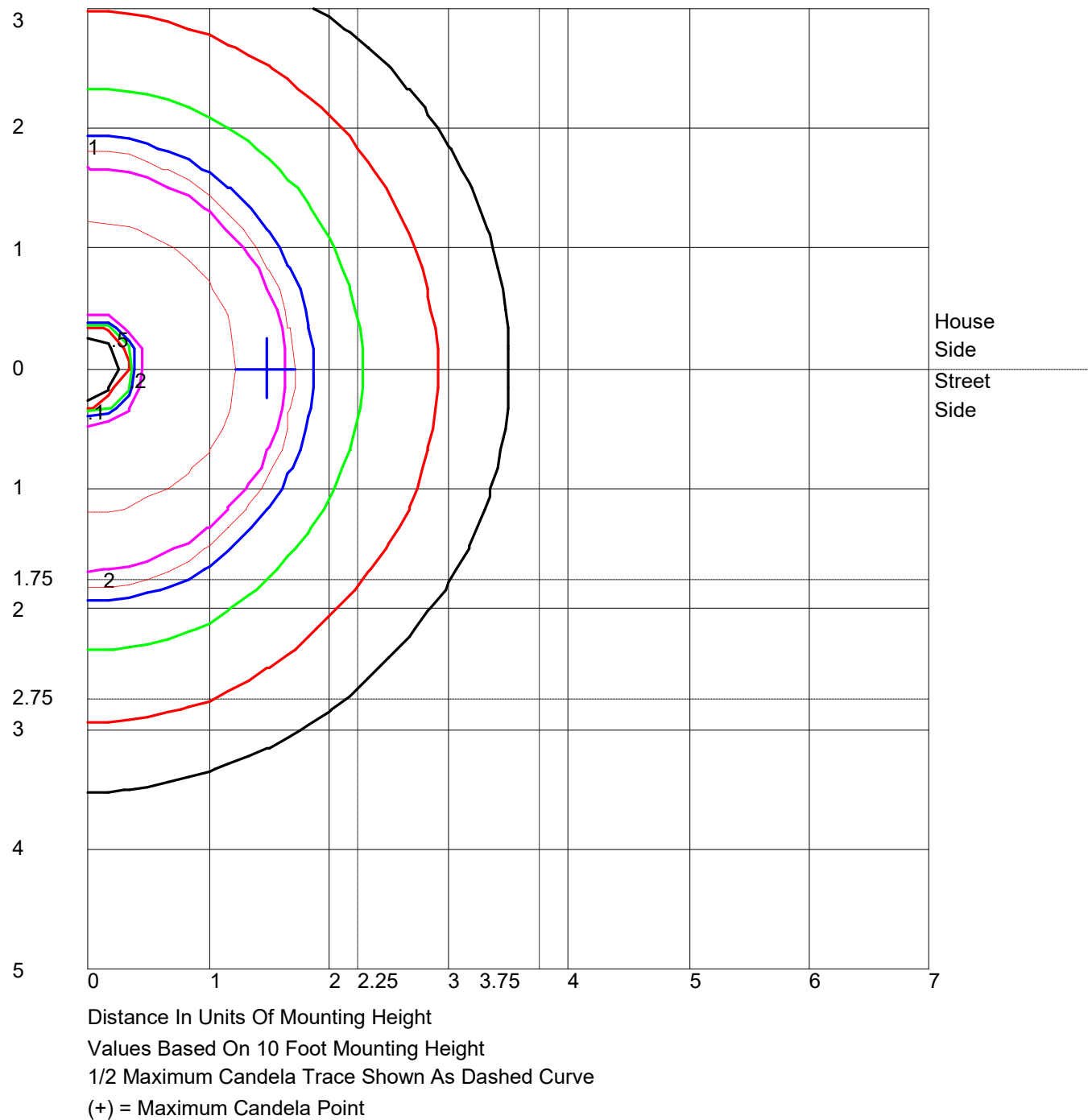
	Lumens	Percent Of Luminaire
Downward Street Side	2098.4	47.5
Downward House Side	1996.0	45.2
Downward Total	4094.4	92.8
Upward Street Side	161.5	3.7
Upward House Side	157.7	3.6
Upward Total	319.2	7.2
Total Flux	4413.6	100.0

POLAR GRAPH

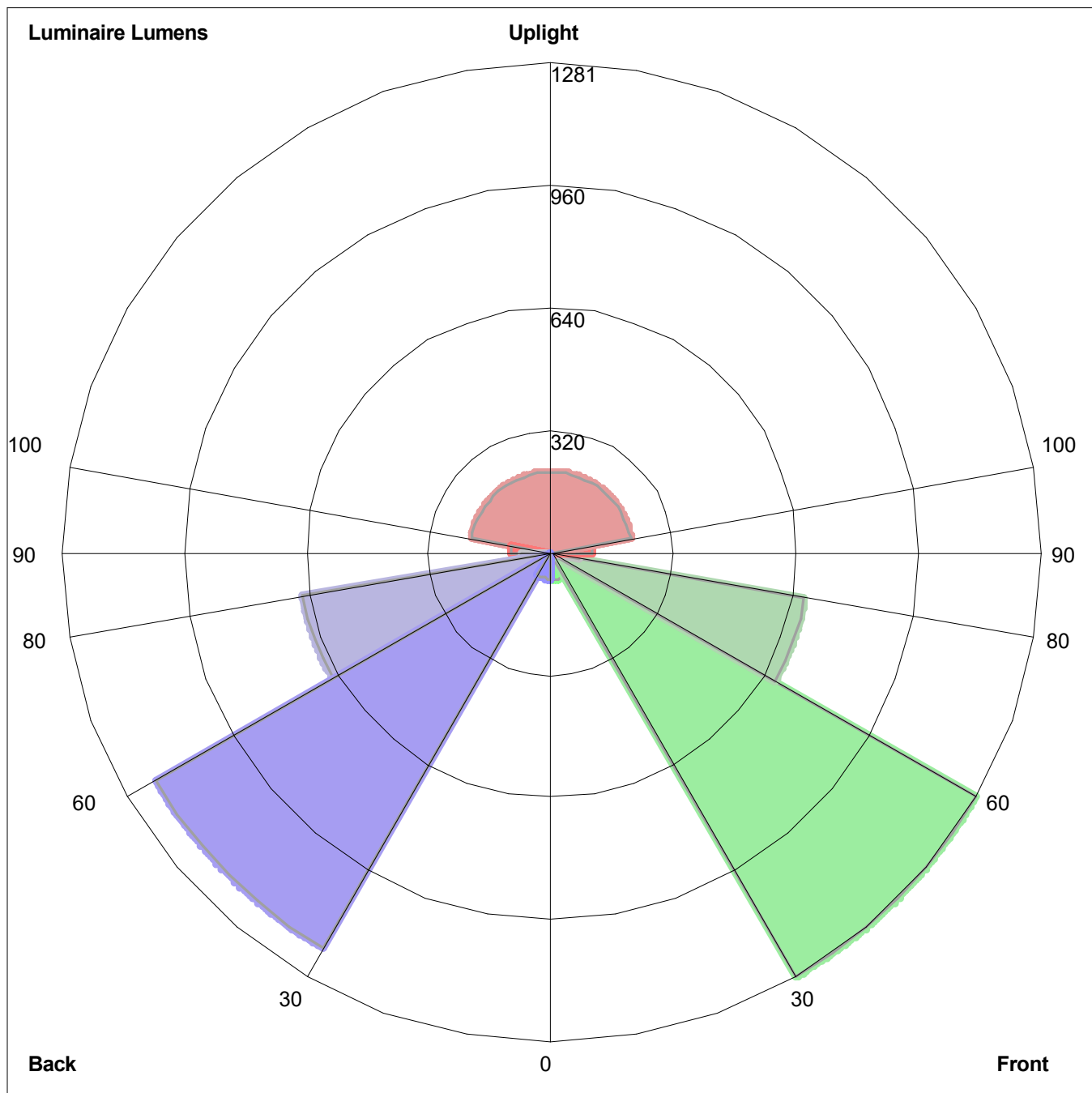


Maximum Candela = 2291.176 Located At Horizontal Angle = 90, Vertical Angle = 56  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (56) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=70.0, Medium=1280.6, High=673.6, Very High=74.2  
Back: Low=68.4, Medium=1192.6, High=659.4, Very High=75.5  
Uplight: Low=107.7, High=211.4

BUG Rating : B2-U3-G1