



**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : CBR8-2L-30.IES**

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]  
[TESTLAB] Shenzhen Anbotek Pengcheng Compliance Laboratory Limited  
[TESTDATE] 2020-11-9  
[ISSUE DATE] 2022-09-20  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] CBR8-2L-30  
[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] 3000

**CHARACTERISTICS**

IES Classification	Type II
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2306
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	18
Ballast Factor	1.00
Upward Waste Light Ratio	0.09
Maximum Candela	1075.91
Maximum Candela Angle	90H 53V
Maximum Candela (<90 Degrees Vertical)	1075.91
Maximum Candela Angle (<90 Degrees Vertical)	90H 53V
Maximum Candela At 90 Degrees Vertical	49.35 (2.1% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	184.237 (8.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)



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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	39.4	N.A.	1.7
FM - Front-Medium (30-60)	610.6	N.A.	26.5
FH - Front-High (60-80)	315.5	N.A.	13.7
FVH - Front-Very High (80-90)	35.1	N.A.	1.5
BL - Back-Low (0-30)	36.1	N.A.	1.6
BM - Back-Medium (30-60)	625.5	N.A.	27.1
BH - Back-High (60-80)	387.5	N.A.	16.8
BVH - Back-Very High (80-90)	43.6	N.A.	1.9
UL - Uplight-Low (90-100)	59.2	N.A.	2.6
UH - Uplight-High (100-180)	153.3	N.A.	6.6
Total	2305.8	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	0.094	0.188	0.188	0.000	0.000	0.000	0.000	0.000
6	0.000	0.188	0.376	0.470	0.470	0.188	0.282	0.000	0.000	0.188
7	0.376	0.564	0.752	0.752	0.940	0.658	0.564	0.376	0.376	0.564
8	0.846	1.222	1.222	1.222	1.410	1.034	0.846	0.658	0.376	1.222
9	1.410	1.504	1.692	1.598	1.786	1.316	1.316	1.128	0.752	0.188
10	1.880	2.068	2.256	2.068	2.256	1.786	1.692	1.504	1.128	0.564
11	2.444	2.538	2.632	2.632	2.820	2.162	2.162	1.786	1.504	0.940
12	2.914	3.008	3.196	3.384	3.384	2.820	2.538	2.256	1.880	1.410
13	3.572	3.760	3.854	4.042	3.948	3.384	3.008	2.820	2.350	1.692
14	4.136	4.512	4.700	4.794	4.794	4.042	3.760	3.290	2.820	2.068
15	4.982	5.170	5.546	6.016	6.392	4.794	4.512	3.948	3.290	2.632
16	5.828	6.016	6.580	7.332	8.272	6.204	5.264	4.700	3.854	3.102
17	6.674	6.956	7.802	9.400	10.904	8.084	6.392	5.546	4.700	3.572
18	7.708	8.460	9.682	43.898	52.169	10.810	7.802	6.862	5.452	4.230
19	9.588	15.228	70.593	83.471	114.020	48.879	18.142	8.178	6.486	5.076
20	12.408	68.901	86.667	119.755	127.180	96.631	72.003	16.638	7.708	6.016
21	49.631	97.571	114.397	148.894	158.482	128.590	102.929	58.279	10.528	7.144
22	92.307	125.206	132.820	177.846	183.956	156.978	145.322	102.553	64.295	9.212
23	119.661	147.860	171.924	185.272	199.559	175.590	167.036	138.930	97.289	54.237
24	144.758	171.172	182.452	223.905	234.997	195.047	180.102	168.634	135.640	94.657
25	179.162	190.253	213.283	233.211	236.031	216.573	211.779	183.485	168.070	126.804
26	197.867	200.405	228.041	244.397	262.914	226.913	222.025	198.149	188.091	145.886
27	208.959	223.153	238.945	252.669	271.187	243.269	233.775	226.537	214.599	162.054
28	221.837	227.101	262.821	265.829	290.174	261.598	262.350	243.645	222.871	182.733
29	236.689	242.141	286.602	291.302	308.128	282.842	289.328	253.985	240.261	199.747
30	244.303	261.504	287.072	314.050	317.152	296.378	300.984	273.066	255.677	207.079
31	261.504	283.406	292.806	318.280	340.182	319.220	306.154	290.362	278.236	229.075
32	281.432	294.968	310.948	336.703	339.711	327.209	314.614	298.822	282.184	240.919
33	299.574	313.204	318.938	346.385	361.801	336.421	323.638	328.338	290.550	267.239
34	310.948	325.330	338.584	356.256	364.997	348.829	349.111	329.466	315.648	284.910
35	331.628	337.455	341.403	368.381	370.167	362.835	358.793	342.531	311.042	303.616
36	342.907	345.915	360.109	373.645	383.609	376.559	369.885	354.563	332.192	320.818
37	346.292	351.461	374.585	395.358	392.257	380.601	377.311	371.389	340.369	329.372
38	355.691	369.509	393.573	395.829	410.868	394.607	392.069	378.721	355.503	337.925
39	360.015	375.713	387.181	416.509	417.636	395.829	405.887	382.951	389.155	351.556
40	382.199	394.701	402.127	415.757	426.378	407.578	407.672	401.375	390.283	364.809
41	395.735	392.257	422.524	429.104	443.110	423.088	410.116	415.380	395.453	374.397
42	415.005	404.570	422.713	456.552	460.594	438.316	440.760	411.903	407.485	377.123
43	423.840	410.211	440.290	472.344	475.070	444.144	444.896	431.736	411.997	384.267
44	437.470	414.253	452.322	485.033	484.658	454.014	453.450	445.366	433.992	409.647
45	438.504	427.600	465.200	501.859	507.687	476.198	474.130	460.688	435.872	418.107
46	449.878	428.352	473.566	525.735	535.605	491.989	490.674	474.130	472.250	446.212
47	476.104	445.366	512.669	561.173	570.196	519.813	509.943	491.237	485.033	448.092
48	510.789	466.516	546.039	605.258	609.582	550.363	530.811	507.311	489.358	468.771
49	554.969	532.221	585.142	663.819	661.939	584.390	559.575	536.639	506.371	486.068
50	610.240	615.880	628.005	750.016	738.266	650.941	606.104	573.768	525.829	502.517
51	669.083	701.043	723.696	855.294	862.908	721.534	651.975	608.830	558.352	522.633
52	748.042	800.870	829.821	995.541	979.467	806.603	715.895	689.951	599.242	565.590

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**CANDELA TABULATION - (Cont.)**

53	874.376	879.828	903.986	1058.238	1075.910	914.984	800.963	754.904	642.857	601.592
54	962.641	858.773	869.300	994.977	1060.024	1026.842	927.674	840.161	739.488	655.453
55	899.850	758.946	765.526	881.990	908.592	1042.164	994.131	921.658	825.403	729.430
56	790.623	657.615	665.699	792.597	803.877	941.679	1011.520	978.997	913.856	816.191
57	713.357	608.548	600.182	690.139	722.380	808.295	906.900	981.159	988.209	936.040
58	655.453	530.623	527.145	625.186	655.453	708.280	785.548	900.414	996.951	1003.437
59	607.326	471.121	472.814	571.700	601.780	645.490	703.299	791.187	904.362	999.958
60	557.319	413.218	440.008	539.271	566.248	598.396	649.625	714.109	795.887	880.392
61	509.755	364.997	413.030	510.413	545.099	570.008	613.906	644.550	712.793	770.038
62	459.654	346.573	405.699	491.614	518.121	534.759	585.518	609.112	637.499	689.199
63	416.697	345.352	381.917	465.764	489.170	505.901	557.036	584.860	596.516	630.449
64	381.823	338.019	370.825	425.156	432.206	466.798	525.641	562.488	569.444	584.766
65	361.989	331.815	350.427	382.951	383.421	425.438	491.520	527.145	550.551	555.627
66	346.198	307.658	332.192	334.259	344.317	384.549	443.016	493.399	525.735	533.255
67	336.515	305.026	299.198	304.744	310.196	347.607	397.709	447.246	489.827	508.909
68	318.656	289.798	267.050	277.578	280.680	300.420	346.009	405.041	440.102	475.164
69	299.668	274.100	252.857	252.950	253.702	272.691	315.648	353.717	399.683	437.940
70	284.534	253.044	245.995	233.399	233.869	250.788	289.516	323.826	362.835	398.837
71	266.016	231.989	238.663	216.573	216.385	234.339	262.350	295.156	333.790	361.519
72	248.909	214.693	222.495	202.473	201.345	215.539	238.663	272.878	302.018	321.664
73	237.065	203.507	206.327	189.126	186.493	200.499	219.205	252.011	280.493	293.558
74	222.683	190.066	189.314	175.683	166.002	182.170	202.661	224.845	257.933	271.656
75	208.207	176.248	171.548	158.200	151.808	168.258	186.870	210.463	239.415	252.387
76	183.298	154.440	158.106	139.306	136.768	152.372	167.224	192.885	216.009	229.639
77	162.054	136.298	135.734	125.394	122.104	135.734	151.996	177.000	199.559	211.403
78	139.306	115.055	120.130	111.201	104.433	120.036	137.896	156.320	183.298	195.330
79	125.771	100.203	103.305	96.161	93.341	107.347	124.267	141.186	165.250	178.504
80	112.422	86.291	91.085	82.249	78.771	96.819	112.611	129.060	150.962	164.686
81	100.766	70.405	74.823	68.807	66.739	84.975	93.435	117.499	136.016	145.322
82	87.419	58.749	62.227	58.185	58.185	71.627	80.933	103.493	122.011	132.538
83	74.259	48.409	52.451	51.135	51.135	61.851	68.995	84.223	108.287	117.405
84	56.963	40.138	44.273	45.213	44.273	55.835	61.569	72.849	92.589	102.459
85	48.221	35.344	39.198	40.325	40.325	50.195	55.741	63.355	76.985	83.753
86	40.983	31.865	35.155	37.694	39.198	44.273	50.383	54.613	65.047	69.183
87	36.471	31.302	33.369	36.659	38.821	41.454	46.154	51.041	57.810	60.629
88	34.028	30.926	33.276	38.069	39.761	40.138	42.957	47.281	52.169	54.331
89	33.276	31.490	34.215	40.702	40.890	40.796	42.111	44.367	48.691	47.845
90	33.369	32.242	34.780	41.077	41.548	40.513	40.702	43.146	45.025	44.367
91	34.028	33.369	35.532	40.607	40.983	40.325	40.231	41.359	42.581	41.829
92	35.719	35.250	37.506	41.829	42.487	40.138	40.138	40.325	34.780	39.386
93	36.471	38.163	41.735	47.187	48.221	41.548	40.513	40.513	33.088	37.317
94	40.138	42.300	49.631	60.347	58.655	46.341	43.804	42.017	32.336	35.907
95	45.871	52.921	63.731	79.805	77.079	55.083	50.008	45.871	35.719	36.659
96	56.023	67.209	81.121	102.741	101.895	76.797	59.407	52.451	39.292	38.352
97	70.499	81.309	92.213	114.867	116.934	100.391	75.387	62.791	45.589	42.300
98	85.257	87.513	89.957	108.287	117.217	114.772	102.835	80.369	59.031	48.691
99	83.847	84.599	80.651	95.033	102.553	113.832	112.328	103.305	73.037	61.193
100	74.165	73.037	70.405	82.719	89.769	103.399	109.226	113.080	84.787	79.053
101	59.971	64.013	61.851	72.755	79.805	91.367	97.947	110.167	86.667	108.005
102	48.973	55.647	54.895	64.765	71.439	80.839	86.479	100.014	82.249	120.036
103	44.179	48.691	49.161	57.245	63.449	69.089	77.079	89.017	73.507	112.799
104	40.138	43.146	43.240	50.571	55.460	62.321	68.901	75.669	62.697	97.853
105	36.848	37.036	38.540	44.556	45.589	54.331	58.749	67.303	54.331	84.411
106	33.840	33.652	34.780	39.479	40.138	44.837	51.606	59.313	47.375	73.319
107	30.267	31.396	32.336	35.344	36.754	39.950	45.119	51.793	40.702	63.449
108	28.294	30.080	30.832	33.840	34.780	36.848	40.607	44.837	36.471	56.023

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**CANDELA TABULATION - (Cont.)**

109	26.978	29.798	30.832	33.369	34.028	35.155	37.506	40.419	33.182	48.879
110	26.320	30.080	32.054	34.121	34.404	34.404	35.813	37.600	30.455	41.923
111	26.226	31.584	34.121	35.907	36.659	34.780	35.344	35.907	29.140	37.788
112	26.978	33.934	37.411	39.667	39.667	36.284	35.813	35.344	28.388	34.592
113	28.294	37.036	42.206	43.992	43.992	38.727	37.506	36.002	28.200	33.463
114	30.080	40.419	46.811	48.973	48.973	43.804	40.138	37.411	28.482	33.088
115	32.430	43.615	50.947	53.579	53.391	48.598	43.521	39.856	29.234	34.215
116	33.276	44.179	53.391	56.681	56.963	52.545	47.281	43.804	30.926	35.907
117	32.900	42.675	52.358	56.023	57.339	55.365	50.854	47.752	32.805	39.292
118	31.207	39.761	48.785	52.827	55.083	55.741	52.733	50.760	34.780	43.146
119	28.482	35.344	44.085	46.341	50.760	53.391	52.733	52.358	35.625	47.093
120	25.286	31.865	39.479	41.359	44.273	49.443	51.041	51.699	35.344	50.665
121	22.466	28.763	34.780	36.942	39.761	44.837	46.623	49.256	33.840	52.733
122	20.492	26.320	31.490	33.088	35.625	39.009	42.581	45.589	31.207	52.075
123	18.988	23.594	28.763	29.892	32.148	35.250	38.540	41.359	28.200	49.161
124	17.672	21.714	26.320	27.353	29.328	32.054	35.061	36.754	25.661	45.213
125	16.356	20.210	23.876	24.440	26.602	29.328	31.396	33.276	23.500	40.138
126	15.322	18.706	21.808	22.560	24.440	26.790	28.763	30.267	21.620	35.907
127	14.288	16.732	19.834	20.774	22.560	24.816	26.507	26.978	19.270	32.242
128	13.254	15.040	17.672	18.800	20.586	22.936	24.628	24.816	18.048	28.670
129	12.032	13.724	15.886	16.544	18.236	21.150	22.372	23.030	16.826	25.755
130	11.092	12.502	14.476	15.134	16.544	18.894	20.680	21.338	15.604	23.688
131	10.246	11.374	13.160	13.818	15.040	17.484	19.082	19.646	14.382	21.808
132	9.588	10.622	11.938	12.784	13.818	15.980	17.390	17.766	13.348	20.022
133	8.742	9.494	10.998	11.562	12.314	14.100	15.792	16.262	12.314	18.236
134	8.178	8.742	10.058	10.622	11.186	12.878	14.382	14.852	11.092	15.980
135	7.614	8.178	9.118	9.682	10.340	11.750	13.066	13.066	10.152	14.476
136	7.426	7.614	8.460	9.024	9.494	10.810	11.750	11.844	9.494	13.066
137	6.956	7.332	7.896	8.272	8.742	9.776	10.622	10.716	8.742	11.562
138	6.674	6.768	7.426	7.802	8.178	9.024	9.776	9.776	7.990	10.152
139	6.392	6.580	6.956	7.520	7.708	8.460	9.024	8.930	7.520	9.118
140	6.204	6.298	6.674	7.050	7.426	7.896	8.272	8.366	7.050	8.178
141	5.828	6.110	6.392	6.768	7.050	7.426	7.708	7.802	6.768	7.520
142	5.734	5.922	6.110	6.580	6.768	7.050	7.332	7.426	6.392	6.862
143	5.546	5.734	5.922	6.204	6.486	6.768	7.050	6.956	6.298	6.486
144	5.452	5.546	5.640	6.016	6.392	6.486	6.580	6.580	6.016	6.110
145	5.358	5.358	5.452	5.828	6.110	6.204	6.298	6.298	5.828	5.828
146	5.170	5.358	5.264	5.640	5.922	6.016	6.110	6.110	5.640	5.640
147	5.076	5.076	5.264	5.358	5.828	5.922	5.922	5.828	5.546	5.358
148	4.982	4.982	5.076	5.264	5.546	5.640	5.640	5.640	5.358	5.170
149	4.982	4.888	4.888	5.076	5.452	5.452	5.358	5.546	5.264	4.982
150	4.888	4.700	4.794	4.982	5.264	5.358	5.170	5.358	5.076	4.888
151	4.794	4.700	4.700	4.794	5.076	5.076	5.076	5.076	4.982	4.606
152	4.794	4.606	4.512	4.700	4.888	4.982	4.888	5.076	4.982	4.512
153	4.700	4.606	4.512	4.606	4.794	4.888	4.700	4.982	4.794	4.418
154	4.606	4.418	4.418	4.418	4.606	4.700	4.606	4.888	4.700	4.230
155	4.606	4.230	4.324	4.324	4.606	4.606	4.512	4.606	4.606	4.136
156	4.512	4.324	4.136	4.230	4.512	4.512	4.230	4.606	4.512	3.948
157	4.418	4.136	4.136	4.042	4.324	4.324	4.230	4.324	4.418	3.854
158	4.230	4.042	3.854	3.854	4.230	4.324	4.230	4.418	4.324	3.854
159	4.136	3.854	3.854	3.854	4.136	4.230	4.042	4.230	4.230	3.666
160	3.948	3.760	3.666	3.666	3.948	4.042	3.948	4.136	4.230	3.572
161	3.760	3.572	3.384	3.478	3.854	3.948	3.854	4.042	4.136	3.572
162	3.666	3.478	3.290	3.290	3.572	3.760	3.760	3.948	4.042	3.478
163	3.478	3.196	3.102	3.102	3.666	3.572	3.572	3.760	3.854	3.572
164	3.290	2.914	2.820	2.914	3.478	3.384	3.478	3.666	3.760	3.478

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : CBR8-2L-30.IES**

**CANDELA TABULATION - (Cont.)**

165	3.196	2.632	2.726	2.820	3.102	3.196	3.196	3.478	3.572	3.290
166	2.914	2.538	2.444	2.444	2.914	2.914	3.102	3.290	3.290	3.102
167	2.820	2.444	2.256	2.256	2.632	2.820	2.914	3.102	3.008	3.008
168	2.632	2.256	2.068	2.068	2.444	2.538	2.726	2.914	2.820	2.820
169	2.444	2.162	1.880	1.880	2.256	2.538	2.538	2.726	2.538	2.632
170	2.256	2.068	1.598	1.504	1.974	2.162	2.350	2.538	2.162	2.444
171	2.068	1.786	1.410	1.410	1.786	2.068	2.162	2.350	2.068	2.350
172	1.974	1.504	1.222	1.222	1.598	1.786	2.068	1.974	1.880	2.068
173	1.880	1.504	1.128	0.940	1.410	1.598	1.880	1.598	1.786	1.880
174	1.692	1.410	1.034	0.658	1.128	1.504	1.504	1.316	1.598	1.692
175	1.504	1.316	0.846	0.658	1.034	1.410	1.504	1.222	1.316	1.504
176	1.316	0.940	0.658	0.564	0.752	1.222	1.316	1.034	1.316	1.598
177	1.034	0.658	0.282	0.000	0.188	1.034	0.658	0.752	1.410	1.504
178	0.752	0.658	0.470	0.094	0.000	0.658	0.188	0.564	1.128	1.504
179	0.752	0.752	0.658	0.470	0.094	0.658	0.376	0.752	1.034	1.222
180	0.846	0.846	0.846	0.846	0.846	0.846	0.846	0.846	0.846	0.846

**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	0.094	0.188	0.000	0.000	0.000	0.000	0.000
6	0.376	0.470	0.000	0.000	0.000	0.000	0.000
7	0.752	0.752	0.000	0.000	0.000	0.000	0.376
8	1.222	1.222	0.000	0.000	0.000	0.470	0.846
9	1.692	1.598	0.000	0.000	0.470	0.940	1.410
10	0.188	2.068	0.000	0.376	1.034	1.598	1.880
11	0.470	0.282	0.282	0.940	1.504	2.162	2.444
12	0.752	0.564	0.658	1.316	1.974	2.726	2.914
13	1.316	0.940	1.128	1.786	2.444	3.290	3.572
14	1.598	1.504	1.598	2.256	2.914	3.854	4.136
15	2.068	2.068	2.256	2.632	3.572	4.418	4.982
16	2.350	2.350	2.632	3.196	4.230	5.076	5.828
17	3.008	2.914	3.196	3.760	4.794	6.016	6.674
18	3.666	3.290	3.666	4.324	5.546	6.956	7.708
19	4.230	3.948	4.418	5.170	6.298	7.802	9.588
20	4.982	4.794	4.982	5.828	7.426	8.930	12.408
21	5.828	5.640	5.828	6.862	8.554	10.340	49.631
22	7.050	6.580	6.768	8.084	10.152	40.231	92.307
23	8.742	8.178	8.272	9.776	23.218	81.403	119.661
24	29.609	12.690	10.434	46.717	76.421	119.096	144.758
25	66.363	70.781	43.146	87.795	123.984	141.092	179.162
26	100.672	106.407	94.939	125.582	148.048	170.325	197.867
27	136.016	136.016	131.034	159.328	171.078	188.843	208.959
28	159.328	150.210	158.012	176.718	192.510	203.413	221.837
29	185.647	184.143	174.838	200.687	197.680	219.675	236.689
30	222.965	197.303	199.841	211.121	237.723	238.381	244.303
31	229.075	220.427	211.403	223.059	234.715	247.029	261.504
32	256.711	228.887	244.209	241.859	254.831	273.254	281.432
33	261.975	257.181	253.044	272.596	260.094	273.724	299.574
34	281.056	274.100	264.512	260.752	279.364	289.328	310.948
35	282.936	286.884	276.732	296.660	293.652	307.376	331.628

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : CBR8-2L-30.IES**

**CANDELA TABULATION - (Cont.)**

36	304.180	291.678	293.088	293.652	315.648	314.896	342.907
37	324.578	317.622	295.156	312.922	321.006	333.601	346.292
38	321.851	326.928	315.930	325.612	324.766	342.438	355.691
39	350.615	340.275	323.074	326.364	338.677	363.211	360.015
40	350.146	354.187	340.275	347.513	348.454	360.203	382.199
41	364.151	366.125	358.135	346.950	362.083	379.567	395.735
42	382.199	386.335	361.143	364.809	374.961	380.883	415.005
43	389.437	387.933	375.807	377.499	388.685	393.667	423.840
44	410.305	416.038	382.951	400.623	394.607	410.963	437.470
45	406.920	413.970	402.597	400.153	412.843	421.396	438.504
46	431.642	422.713	416.320	405.041	422.713	454.484	449.878
47	442.640	433.616	433.616	431.830	446.306	460.218	476.104
48	450.442	452.510	449.032	444.896	469.148	475.633	510.789
49	474.788	477.514	459.748	457.868	484.093	499.603	554.969
50	491.237	488.135	488.324	482.683	516.617	537.955	610.240
51	520.095	509.943	499.133	512.387	553.371	594.072	669.083
52	540.869	528.931	524.043	547.636	603.472	665.135	748.042
53	570.196	554.404	572.264	601.592	661.093	746.538	874.376
54	619.452	599.900	617.195	655.923	756.784	881.426	962.641
55	674.347	647.933	668.143	733.848	860.652	960.479	899.850
56	761.202	721.911	742.966	856.329	928.990	915.172	790.623
57	842.134	801.527	846.082	929.459	910.566	809.705	713.357
58	959.821	911.788	955.779	920.530	831.701	721.159	655.453
59	1005.693	972.323	989.243	849.184	714.391	661.469	607.326
60	966.871	965.179	948.071	745.034	665.793	612.778	557.319
61	863.096	867.984	831.607	686.943	607.326	565.121	509.755
62	730.840	761.672	753.870	620.674	569.256	514.267	459.654
63	661.657	694.181	681.773	566.342	518.215	471.968	416.697
64	608.736	633.269	605.352	522.915	475.727	433.616	381.823
65	569.444	584.672	563.429	472.814	439.820	410.868	361.989
66	545.193	547.355	527.239	447.904	428.258	392.915	346.198
67	519.531	522.727	502.517	429.292	402.503	379.191	336.515
68	499.039	500.543	480.898	410.963	386.053	357.571	318.656
69	466.422	477.796	462.944	393.573	363.023	337.173	299.668
70	431.924	429.010	431.642	368.381	345.821	319.408	284.534
71	377.405	394.419	398.366	342.344	325.142	298.258	266.016
72	342.719	361.049	366.219	314.708	293.370	281.245	248.909
73	316.870	330.218	334.165	290.926	273.066	263.760	237.065
74	288.388	299.668	298.070	261.504	261.129	249.567	222.683
75	264.231	276.732	277.108	244.209	243.927	233.587	208.207
76	244.491	255.865	259.719	226.067	230.015	216.949	183.298
77	226.631	229.169	243.645	213.847	213.565	202.097	162.054
78	210.369	212.061	217.701	195.987	189.314	177.094	139.306
79	184.426	193.731	201.345	177.000	169.856	159.704	125.771
80	170.702	177.940	184.237	160.832	153.312	141.656	112.422
81	157.260	158.670	167.976	144.570	138.272	126.334	100.766
82	140.434	144.664	149.834	130.846	123.515	109.884	87.419
83	126.992	129.719	133.478	111.670	110.261	94.281	74.259
84	106.031	114.303	117.028	98.887	92.683	78.771	56.963
85	87.701	97.101	96.161	85.163	75.105	64.201	48.221
86	73.601	75.763	81.121	70.311	60.629	50.008	40.983
87	61.193	64.859	67.961	55.647	49.067	42.111	36.471
88	54.425	56.587	58.373	46.248	41.829	35.907	34.028
89	49.725	52.075	51.323	39.761	36.284	33.463	33.276
90	45.025	49.350	44.744	34.967	32.994	32.524	33.369
91	41.359	42.675	37.036	32.617	31.865	32.805	34.028

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : CBR8-2L-30.IES**

**CANDELA TABULATION - (Cont.)**

92	38.257	36.942	34.873	31.019	32.242	34.121	35.719
93	35.813	34.309	32.994	31.302	33.746	35.907	36.471
94	34.498	33.463	33.276	32.148	35.907	38.352	40.138
95	34.215	33.934	34.498	35.061	38.446	42.863	45.871
96	35.532	34.686	36.190	38.352	41.265	47.281	56.023
97	37.975	37.881	39.386	42.300	47.845	62.227	70.499
98	42.581	40.513	42.957	48.033	59.219	79.335	85.257
99	50.383	46.623	49.256	59.877	76.609	94.939	83.847
100	62.133	58.091	62.227	82.813	97.289	99.075	74.165
101	82.249	77.361	83.565	102.929	101.237	91.273	59.971
102	113.174	109.884	114.678	107.253	93.905	79.899	48.973
103	116.934	116.370	118.157	99.920	82.531	69.559	44.179
104	106.407	108.663	108.005	84.693	71.627	61.287	40.138
105	92.025	95.409	91.179	70.875	60.723	53.203	36.848
106	76.139	81.121	78.677	62.227	54.331	49.350	33.840
107	67.303	71.345	68.995	55.553	49.161	45.025	30.267
108	59.877	63.355	61.569	50.008	43.898	41.077	28.294
109	52.921	56.305	52.733	44.273	39.950	36.942	26.978
110	46.717	48.127	47.375	39.573	37.036	35.061	26.320
111	40.702	42.957	42.769	36.754	35.155	34.309	26.226
112	37.223	39.386	39.667	35.061	34.404	34.686	26.978
113	35.061	37.223	37.600	34.592	35.344	36.190	28.294
114	34.028	36.096	36.942	35.344	37.317	39.667	30.080
115	34.309	36.377	37.600	37.036	40.419	43.615	32.430
116	35.438	37.694	39.198	39.950	45.119	48.033	33.276
117	37.881	39.950	43.240	43.804	49.256	51.511	32.900
118	41.171	43.240	47.375	49.067	52.169	53.110	31.207
119	45.496	47.375	51.699	51.981	53.015	50.665	28.482
120	50.760	51.606	55.365	52.827	50.854	46.435	25.286
121	53.110	53.673	56.869	51.511	46.906	41.548	22.466
122	53.391	53.861	55.835	48.221	42.394	36.942	20.492
123	51.229	52.075	52.451	43.333	38.069	32.711	18.988
124	47.563	47.281	48.033	39.198	34.404	29.704	17.672
125	42.581	43.146	41.923	35.344	30.267	27.259	16.356
126	38.352	38.821	37.600	32.054	27.918	25.192	15.322
127	34.498	34.873	34.028	28.763	25.755	22.466	14.288
128	30.644	30.644	30.926	26.413	23.688	20.492	13.254
129	27.448	27.730	28.388	24.157	21.244	18.424	12.032
130	25.098	25.661	26.038	21.996	19.082	16.638	11.092
131	22.936	23.405	22.936	19.364	17.202	14.946	10.246
132	20.962	21.150	20.868	17.484	15.698	13.348	9.588
133	19.176	20.586	18.988	15.886	14.006	12.032	8.742
134	17.014	18.706	17.202	14.570	12.784	10.904	8.178
135	15.322	16.920	15.416	13.160	11.750	9.964	7.614
136	14.006	15.322	14.006	11.938	10.810	8.930	7.426
137	12.596	13.724	12.690	10.904	9.776	8.366	6.956
138	11.280	12.408	11.092	9.870	9.118	7.802	6.674
139	9.776	11.186	10.152	8.930	8.460	7.520	6.392
140	8.836	10.058	9.306	8.460	8.084	7.050	6.204
141	8.178	9.118	8.742	7.990	7.708	6.768	5.828
142	7.520	8.366	8.272	7.614	7.238	6.486	5.734
143	7.238	7.896	7.708	7.238	6.956	6.298	5.546
144	6.956	7.332	7.332	6.862	6.768	6.016	5.452
145	6.580	7.050	7.050	6.674	6.580	5.828	5.358
146	6.392	6.674	6.768	6.486	6.392	5.640	5.170
147	6.016	6.486	6.674	6.298	6.110	5.546	5.076

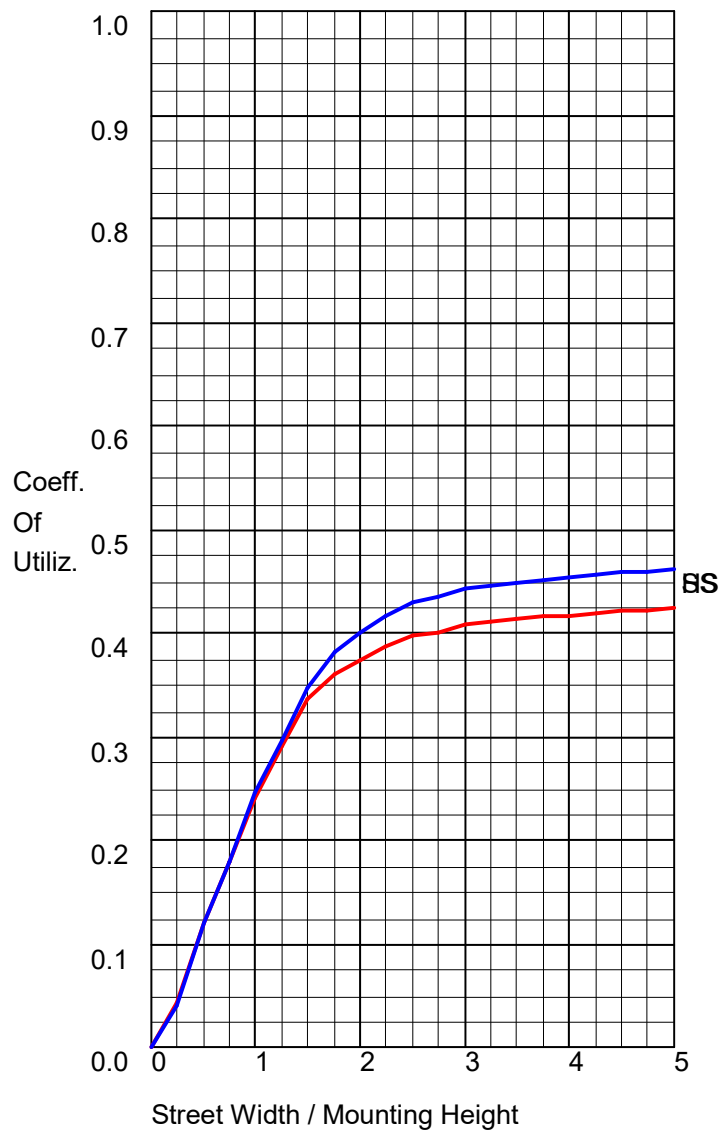


**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : CBR8-2L-30.IES**

**CANDELA TABULATION - (Cont.)**

148	5.922	6.204	6.392	6.016	5.922	5.358	4.982
149	5.828	6.016	6.204	6.016	5.828	5.170	4.982
150	5.640	5.922	6.110	5.828	5.734	5.076	4.888
151	5.452	5.734	5.922	5.828	5.546	5.076	4.794
152	5.264	5.640	5.922	5.640	5.358	4.982	4.794
153	5.170	5.452	5.828	5.452	5.358	4.888	4.700
154	4.982	5.264	5.640	5.452	5.264	4.888	4.606
155	4.794	5.170	5.546	5.358	5.170	4.700	4.606
156	4.512	5.076	5.546	5.264	5.076	4.606	4.512
157	4.418	4.982	5.452	5.076	4.982	4.606	4.418
158	4.230	4.888	5.452	4.982	4.888	4.512	4.230
159	4.136	4.700	5.358	4.888	4.888	4.418	4.136
160	4.042	4.606	5.264	4.794	4.700	4.324	3.948
161	3.948	4.606	5.170	4.794	4.606	4.230	3.760
162	3.854	4.512	5.076	4.794	4.512	4.042	3.666
163	3.760	4.512	4.982	4.700	4.324	3.948	3.478
164	3.666	4.230	4.982	4.606	4.230	3.760	3.290
165	3.666	4.136	4.794	4.418	4.136	3.572	3.196
166	3.478	4.136	4.606	4.324	3.854	3.384	2.914
167	3.290	3.948	4.418	4.136	3.760	3.196	2.820
168	3.196	3.760	4.230	3.948	3.572	3.102	2.632
169	3.008	3.666	4.042	3.760	3.384	2.820	2.444
170	2.914	3.478	3.854	3.572	3.196	2.726	2.256
171	2.632	3.290	3.572	3.196	2.914	2.538	2.068
172	2.444	3.196	3.290	2.914	2.632	2.350	1.974
173	2.256	2.914	3.102	2.726	2.444	2.256	1.880
174	1.974	2.632	2.632	2.162	2.256	1.880	1.692
175	1.692	2.444	2.350	1.692	2.068	1.692	1.504
176	1.598	2.162	2.068	1.410	1.692	1.598	1.316
177	1.598	1.598	1.504	1.316	1.598	1.504	1.034
178	1.504	1.504	1.504	1.128	1.222	1.128	0.752
179	1.222	1.598	1.222	0.658	0.658	0.940	0.752
180	0.846	0.846	0.846	0.846	0.846	0.846	0.846

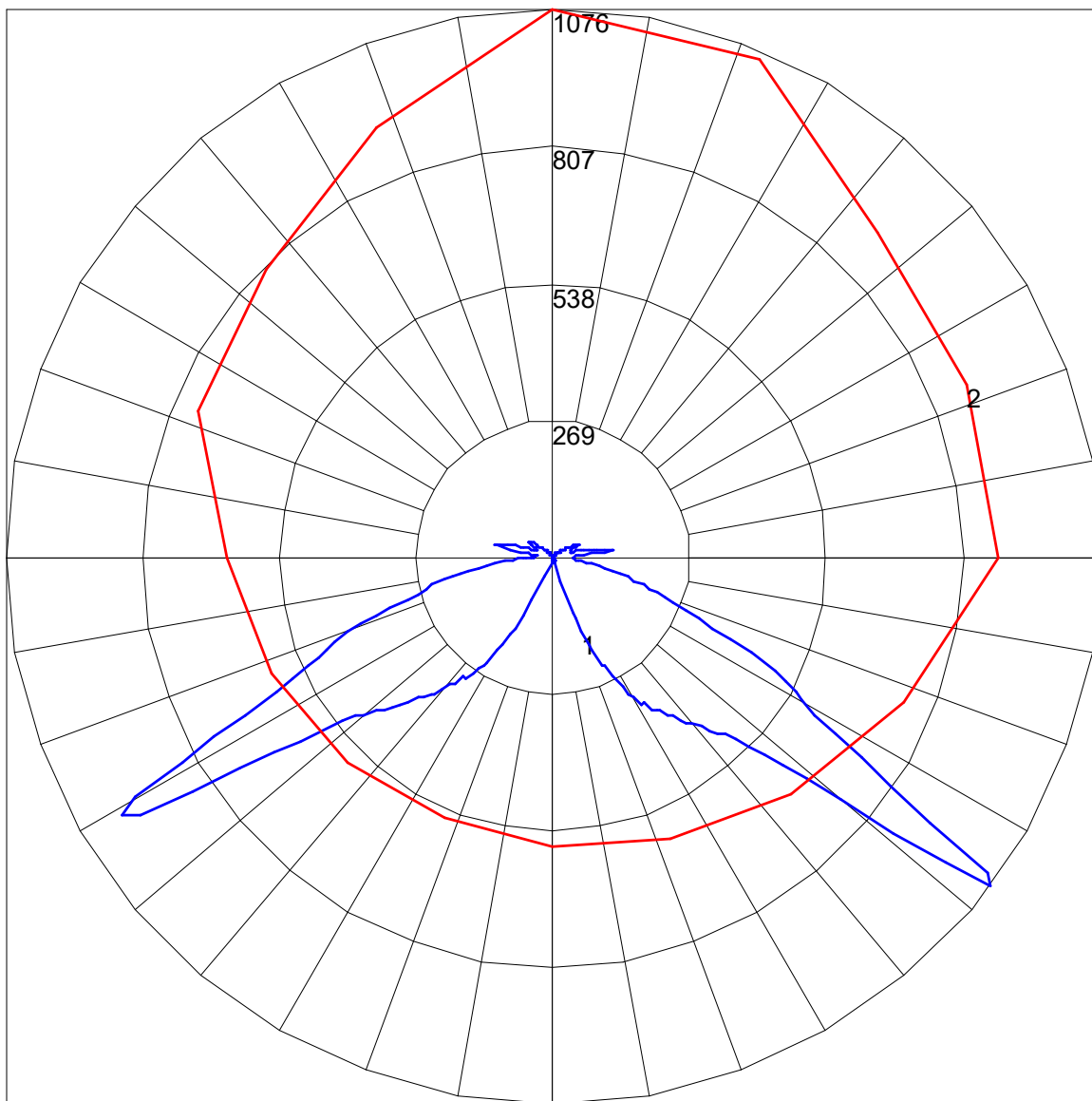
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

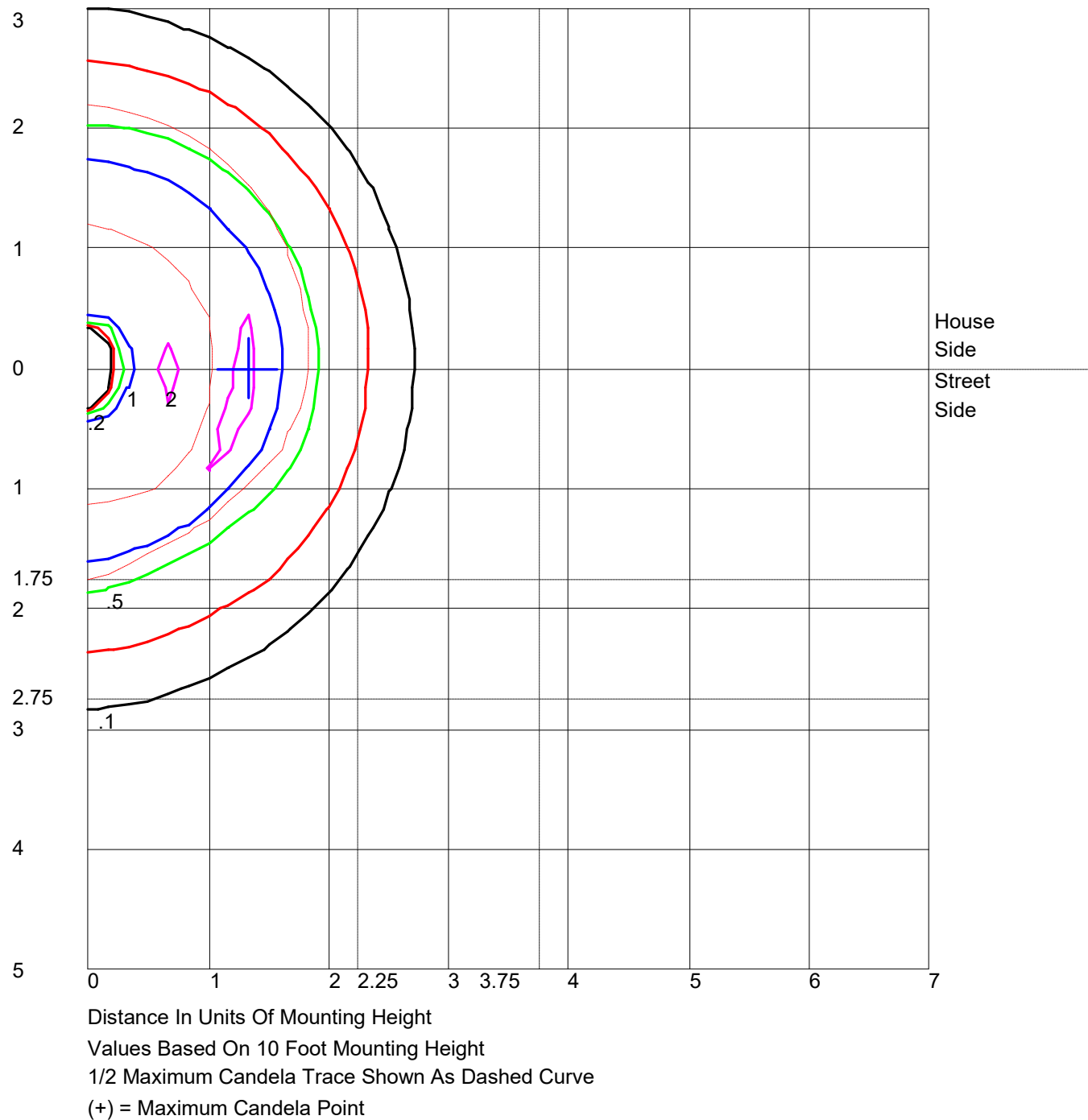
	Lumens	Percent Of Luminaire
Downward Street Side	1000.5	43.4
Downward House Side	1092.8	47.4
Downward Total	2093.3	90.8
Upward Street Side	100.7	4.4
Upward House Side	111.8	4.8
Upward Total	212.5	9.2
Total Flux	2305.8	100.0

POLAR GRAPH

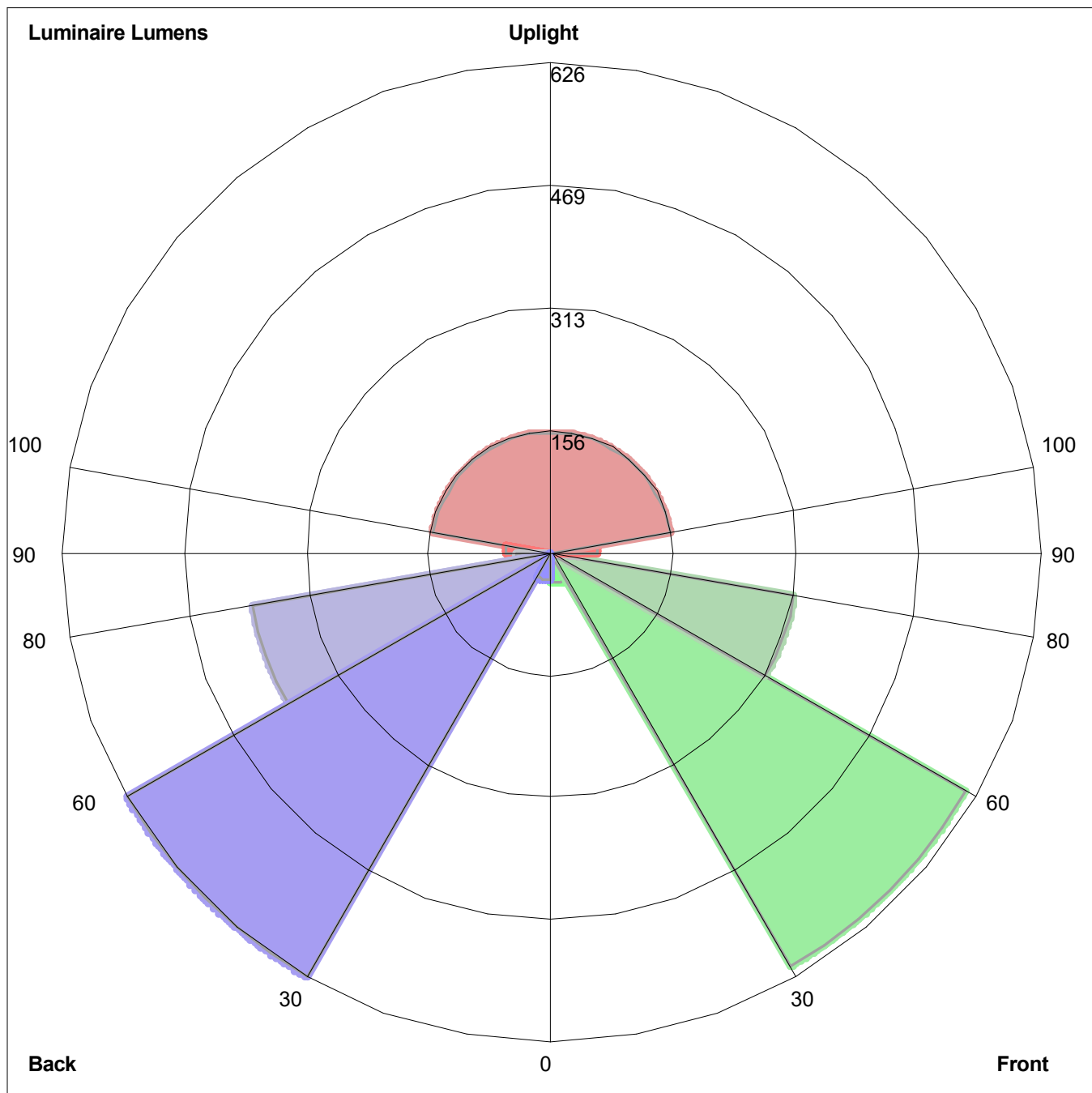


Maximum Candela = 1075.91 Located At Horizontal Angle = 90, Vertical Angle = 53  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (53) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=39.4, Medium=610.6, High=315.5, Very High=35.1  
Back: Low=36.1, Medium=625.5, High=387.5, Very High=43.6  
Uplight: Low=59.2, High=153.3

BUG Rating : B1-U3-G1