



IES ROAD REPORT

PHOTOMETRIC FILENAME : BOLQF1X22U4K.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] Q2017021801 scaled from 15w 5K

[TESTLAB] QSSI

[MANUFAC] QSSI

[ISSUEDATE] 02/18/2017

[LUMCAT] BOLQF1X22U4K

[LUMINAIRE] BOLQF WITH ONE QSSI 22 WATT TYPE V LED ARRAY

[LAMPCAT] SAMSUNG 561B

[LAMP] SAMSUNG 561B 42pcs

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1187
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	50
Total Luminaire Watts	23.8
Ballast Factor	1.00
Upward Waste Light Ratio	0.08
Maximum Candela	604.934
Maximum Candela Angle	270H 45V
Maximum Candela (<90 Degrees Vertical)	604.934
Maximum Candela Angle (<90 Degrees Vertical)	270H 45V
Maximum Candela At 90 Degrees Vertical	31.566 (2.7% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	50.102 (4.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	5.2	N.A.	0.4
FM - Front-Medium (30-60)	402.4	N.A.	33.9
FH - Front-High (60-80)	115.0	N.A.	9.7
FVH - Front-Very High (80-90)	19.4	N.A.	1.6
BL - Back-Low (0-30)	6.6	N.A.	0.6
BM - Back-Medium (30-60)	423.3	N.A.	35.7
BH - Back-High (60-80)	105.9	N.A.	8.9
BVH - Back-Very High (80-90)	17.9	N.A.	1.5
UL - Uplight-Low (90-100)	27.6	N.A.	2.3
UH - Uplight-High (100-180)	63.6	N.A.	5.4
Total	1186.9	N.A.	100.0
BUG Rating	B1-U3-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	10	20	30	40	50	60	70	80	90
0.0	1.110	1.110	1.110	1.110	1.110	1.110	1.110	1.110	1.110	1.110
2.5	1.460	1.460	1.572	1.572	1.572	1.572	1.684	1.572	1.460	1.684
5.0	2.471	2.359	2.359	2.471	2.583	2.583	2.471	2.359	2.471	2.697
7.5	3.482	3.482	3.482	3.482	3.594	3.370	3.370	3.482	3.370	3.708
10.0	4.493	4.493	4.607	4.607	4.830	4.718	4.607	4.718	4.607	4.942
12.5	6.291	5.617	8.874	22.804	6.291	5.729	5.841	5.841	5.617	6.067
15.0	6.740	6.628	16.739	15.840	6.964	6.852	6.740	6.740	6.628	7.190
17.5	7.639	7.639	7.639	7.751	7.751	7.977	7.751	7.863	7.751	8.201
20.0	8.538	8.425	8.538	8.762	8.762	8.874	8.988	8.874	9.211	9.437
22.5	9.661	9.661	9.773	9.998	10.222	10.334	10.784	10.334	10.560	11.459
25.0	11.233	11.347	11.459	11.683	11.908	12.244	12.807	12.244	12.358	16.177
27.5	12.919	12.807	13.143	13.704	14.154	18.535	18.760	15.502	16.289	19.098
30.0	39.205	39.093	18.872	44.261	30.781	33.925	44.149	53.810	55.606	72.906
32.5	147.498	120.313	96.497	108.293	99.418	84.589	67.065	84.253	72.457	120.088
35.0	213.215	252.757	227.594	238.827	205.464	215.800	235.457	196.814	268.597	261.745
37.5	353.187	344.649	381.833	370.150	373.632	361.275	352.850	346.897	334.877	361.388
40.0	437.888	459.120	441.596	423.059	389.696	390.145	356.670	374.980	384.865	364.982
42.5	452.605	511.807	444.293	459.907	496.866	427.105	378.800	470.916	462.154	424.633
45.0	517.423	488.666	572.244	509.110	479.117	456.425	485.631	401.604	469.905	498.662
47.5	483.048	495.406	458.109	511.132	497.652	489.115	481.925	446.202	447.213	503.381
50.0	470.355	421.151	486.418	412.837	443.730	424.296	346.559	410.815	402.503	357.343
52.5	397.560	443.843	398.010	459.233	357.904	380.148	389.696	368.352	374.419	378.575
55.0	385.091	359.702	367.453	352.513	354.534	310.724	317.463	307.017	277.808	319.373
57.5	299.602	327.012	296.119	278.933	301.399	267.474	231.076	266.238	276.236	251.858
60.0	237.367	271.518	258.037	264.104	262.644	257.925	231.302	220.630	243.658	232.425
62.5	210.406	202.769	205.913	211.754	210.632	186.591	185.804	165.136	154.800	171.313
65.0	172.437	167.158	176.257	160.641	161.203	146.825	124.806	130.198	121.998	135.366
67.5	142.556	142.668	135.928	137.500	132.220	126.267	111.438	115.707	107.956	115.033
70.0	118.290	114.247	113.348	109.640	110.203	101.327	95.374	87.623	84.365	91.105
72.5	91.667	93.802	92.454	88.073	87.174	89.419	76.726	68.413	66.054	74.031
75.0	71.671	70.323	70.547	72.233	70.884	68.413	61.673	58.864	54.933	59.090
77.5	58.303	58.303	57.404	58.077	57.180	56.731	50.889	44.485	42.913	47.631
80.0	49.315	48.193	48.754	48.642	47.070	45.833	41.676	37.071	36.622	39.880
82.5	43.025	43.586	42.801	41.790	42.014	40.891	37.521	34.824	34.712	36.172
85.0	35.723	35.385	35.385	35.273	34.712	33.252	31.342	28.871	28.983	30.669
87.5	32.465	32.241	32.465	32.353	31.903	30.443	28.645	26.735	26.961	28.421
90.0	31.454	31.342	31.454	31.342	31.004	29.882	28.309	26.735	26.849	28.533
92.5	29.882	29.658	29.994	29.770	29.544	28.196	26.735	25.275	25.275	26.400
95.0	27.860	27.748	27.748	27.634	27.185	26.288	25.051	24.152	24.152	24.939
97.5	25.389	25.163	25.501	25.275	24.939	23.815	22.130	21.344	21.120	21.457
100.0	22.468	22.354	22.580	22.242	21.793	20.894	19.771	19.322	19.210	19.771
102.5	20.558	20.445	20.558	20.670	19.883	19.210	18.423	17.861	17.973	18.535
105.0	19.098	19.098	18.984	18.984	18.535	17.861	17.075	16.851	16.625	17.188
107.5	17.638	17.861	17.749	17.638	17.300	16.851	16.177	15.840	15.840	16.177
110.0	16.513	16.625	16.625	16.625	16.289	15.728	15.278	15.053	14.941	15.278
112.5	15.502	15.390	15.502	15.502	15.502	15.053	14.491	14.267	14.267	14.603
115.0	14.717	14.603	14.717	14.717	14.603	14.267	13.818	13.592	13.704	14.042
117.5	14.042	14.042	14.042	14.042	13.818	13.592	13.255	13.031	13.143	13.592
120.0	13.818	13.818	13.704	13.592	13.368	13.143	12.807	12.582	12.694	13.143
122.5	13.592	13.704	13.592	13.480	13.255	12.807	12.470	12.470	12.582	12.919
125.0	13.704	13.818	13.704	13.368	13.143	12.807	12.470	12.358	12.470	13.143
127.5	14.267	14.491	14.154	13.704	13.480	13.031	12.694	12.582	12.582	13.368
130.0	14.829	14.829	14.717	14.379	13.930	13.480	12.919	12.582	12.694	13.368

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CANDELA TABULATION - (Cont.)

132.5	14.941	15.165	15.053	14.717	14.042	13.592	13.255	13.031	12.919	13.368
135.0	14.717	14.829	14.717	13.930	13.704	13.255	12.919	12.807	12.582	12.807
137.5	13.031	13.255	13.031	12.919	12.582	12.244	11.795	11.683	11.571	11.571
140.0	11.459	11.571	11.571	11.233	11.009	10.672	10.448	10.448	10.222	10.222
142.5	9.773	9.886	9.661	9.661	9.323	9.211	8.874	8.874	8.988	8.874
145.0	8.313	8.425	8.313	8.201	7.977	7.977	7.863	7.639	7.751	7.639
147.5	7.078	7.078	7.078	6.964	7.078	6.852	6.740	6.628	6.740	6.628
150.0	5.953	5.953	5.953	5.953	6.067	5.841	5.729	5.729	5.617	5.729
152.5	5.054	4.942	5.054	4.830	5.054	4.830	4.830	4.718	4.718	4.830
155.0	4.157	4.157	4.269	4.157	4.269	4.044	4.044	3.932	3.932	4.157
157.5	3.482	3.482	3.482	3.482	3.482	3.370	3.370	3.370	3.258	3.594
160.0	2.921	2.809	2.921	2.921	2.921	2.921	2.921	2.809	2.809	3.146
162.5	2.471	2.471	2.471	2.471	2.471	2.471	2.471	2.359	2.359	2.471
165.0	2.022	2.022	2.022	1.910	1.910	1.910	1.910	1.910	1.910	2.022
167.5	1.460	1.460	1.572	1.460	1.460	1.460	1.460	1.460	1.348	1.572
170.0	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123	1.123
172.5	0.787	0.899	0.899	0.787	0.787	0.787	0.787	0.787	0.787	0.899
175.0	0.673	0.673	0.673	0.673	0.673	0.673	0.673	0.673	0.673	0.673
177.5	0.561	0.561	0.673	0.673	0.561	0.561	0.561	0.561	0.561	0.673
180.0	0.594	0.594	0.594	0.594	0.594	0.594	0.594	0.594	0.594	0.594

Vert. Angles **Horizontal Angles**

	<u>100</u>	<u>110</u>	<u>120</u>	<u>130</u>	<u>140</u>	<u>150</u>	<u>160</u>	<u>170</u>	<u>180</u>	<u>190</u>
0.0	1.110	1.110	1.110	1.110	1.110	1.110	1.110	1.110	1.110	1.110
2.5	1.684	1.798	1.684	1.684	1.684	1.572	1.684	1.684	1.684	1.910
5.0	2.697	2.697	2.697	2.583	2.697	2.583	2.697	2.697	2.809	2.921
7.5	3.708	3.708	3.820	3.708	3.708	3.708	3.932	3.820	3.820	3.932
10.0	4.942	4.942	5.054	15.053	4.830	4.830	4.830	4.942	5.054	5.054
12.5	19.995	6.067	5.841	5.841	5.953	5.841	6.067	5.953	6.067	6.403
15.0	7.190	7.414	6.852	7.078	7.190	6.964	7.078	7.078	7.190	7.414
17.5	8.201	8.313	8.201	8.089	7.977	8.313	8.201	8.313	8.650	8.425
20.0	9.549	9.437	9.437	9.549	9.323	9.323	9.437	9.549	9.549	9.773
22.5	11.459	11.347	11.233	11.233	10.784	10.897	11.009	10.897	11.009	10.784
25.0	15.614	14.042	13.818	13.255	12.470	12.807	12.694	12.358	12.470	12.470
27.5	23.479	27.634	28.983	26.511	22.468	21.232	19.995	14.267	15.278	14.379
30.0	70.098	102.338	78.186	89.083	73.244	57.404	47.967	49.765	38.194	39.205
32.5	182.322	171.427	197.825	159.181	169.853	188.951	179.514	154.462	147.386	136.715
35.0	190.299	299.939	330.608	298.479	213.328	265.902	231.975	206.475	217.034	235.571
37.5	440.024	377.676	423.059	418.117	408.682	392.730	331.057	309.712	304.432	287.583
40.0	427.554	431.486	462.604	451.145	442.944	458.335	440.360	379.136	343.077	419.915
42.5	484.397	482.599	497.989	515.513	453.504	483.272	441.820	393.853	375.879	425.195
45.0	466.759	550.787	510.459	520.681	557.191	571.570	434.744	441.370	494.281	420.252
47.5	481.026	532.252	506.078	486.306	504.953	431.374	497.428	379.585	391.270	469.118
50.0	393.403	454.403	466.985	506.190	449.908	485.070	409.917	406.996	414.297	397.223
52.5	373.520	411.826	422.386	416.207	425.307	448.560	371.161	357.231	343.077	347.458
55.0	350.041	354.534	347.009	353.861	325.102	360.825	343.301	281.516	311.622	302.636
57.5	285.448	301.737	324.541	339.931	315.329	314.094	289.155	267.586	253.095	278.258
60.0	268.485	256.465	261.519	289.043	285.448	259.723	233.324	239.165	190.860	193.669
62.5	189.288	194.005	205.014	174.571	177.268	193.108	182.772	164.011	132.781	140.533
65.0	140.421	139.072	143.117	148.285	141.096	134.691	147.386	127.839	111.214	114.470
67.5	126.491	119.526	120.088	120.875	118.965	118.404	106.383	110.876	93.464	103.799
70.0	92.789	92.004	92.454	89.307	86.275	91.892	91.555	86.836	73.244	81.107
72.5	71.895	69.762	69.874	70.772	73.468	70.884	68.863	66.953	64.032	61.336
75.0	59.426	59.202	58.077	61.448	56.955	55.832	56.281	54.146	50.326	48.754
77.5	46.171	46.507	44.710	45.609	45.609	46.844	46.395	43.812	40.779	38.532

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CANDELA TABULATION - (Cont.)

80.0	40.441	40.891	41.003	41.228	42.126	43.250	42.126	40.779	37.295	35.835
82.5	36.284	37.071	36.172	36.510	36.172	36.622	35.273	34.488	31.342	29.770
85.0	31.342	32.129	32.015	31.903	31.903	32.015	31.230	30.106	27.634	26.849
87.5	29.544	30.219	29.994	29.994	29.882	29.882	29.208	28.084	26.174	25.275
90.0	29.208	29.320	29.095	28.871	28.759	28.759	28.084	27.185	25.613	24.939
92.5	27.410	27.634	27.410	27.185	26.961	26.961	26.400	25.501	23.928	23.703
95.0	26.062	26.400	26.400	26.062	25.950	25.725	25.051	24.040	22.580	22.354
97.5	22.580	22.917	23.029	22.692	22.692	22.468	22.242	20.894	20.109	19.659
100.0	20.333	20.782	20.894	20.894	20.782	20.670	20.109	19.098	18.423	18.087
102.5	18.872	19.434	19.434	19.210	19.210	18.984	18.648	17.973	17.300	16.963
105.0	17.638	18.087	18.087	17.973	17.973	17.638	17.524	16.739	16.177	15.952
107.5	16.625	16.963	17.188	16.963	16.851	16.739	16.401	15.728	15.390	15.165
110.0	15.728	16.177	16.177	16.064	15.840	15.728	15.502	15.053	14.491	14.491
112.5	15.053	15.502	15.390	15.278	15.053	15.053	14.717	14.267	14.042	13.930
115.0	14.491	14.829	14.829	14.717	14.603	14.491	14.154	13.704	13.480	13.480
117.5	13.930	14.379	14.717	14.603	14.379	14.042	13.592	13.368	13.031	12.919
120.0	13.704	14.267	14.603	14.603	14.267	13.930	13.480	13.031	12.694	12.694
122.5	13.818	14.491	14.941	14.829	14.491	13.930	13.368	12.919	12.694	12.582
125.0	13.930	14.717	15.165	15.278	14.717	14.267	13.592	13.031	12.694	12.694
127.5	14.042	14.717	15.278	15.390	14.941	14.491	13.704	13.255	12.807	12.919
130.0	13.930	14.603	15.165	15.053	14.829	14.379	13.818	13.255	12.919	13.143
132.5	13.818	14.491	14.829	14.829	14.603	14.379	13.818	13.368	13.255	13.255
135.0	13.255	13.818	13.930	14.154	14.042	13.818	13.368	12.694	12.807	13.031
137.5	11.908	12.470	12.582	12.694	12.358	12.244	11.908	11.233	11.233	11.571
140.0	10.560	10.897	11.121	11.233	11.233	10.784	10.222	9.998	9.998	9.998
142.5	9.099	9.323	9.549	9.549	9.437	9.211	8.988	8.650	8.538	8.762
145.0	7.863	7.977	8.201	8.089	8.089	7.863	7.527	7.414	7.302	7.414
147.5	6.740	6.852	6.964	7.078	6.964	6.852	6.516	6.403	6.291	6.403
150.0	5.841	5.953	6.067	6.067	6.067	5.841	5.617	5.504	5.392	5.280
152.5	5.054	5.168	5.168	5.168	5.168	4.942	4.830	4.718	4.607	4.381
155.0	4.269	4.381	4.493	4.381	4.381	4.157	4.157	4.044	3.932	3.820
157.5	3.594	3.708	3.708	3.708	3.594	3.482	3.482	3.370	3.370	3.258
160.0	3.033	3.146	3.146	3.033	3.033	3.033	2.921	2.809	2.697	2.697
162.5	2.583	2.583	2.583	2.471	2.471	2.471	2.359	2.359	2.359	2.359
165.0	1.910	1.910	1.910	1.910	1.910	1.910	1.910	1.798	1.910	1.798
167.5	1.460	1.460	1.348	1.348	1.348	1.348	1.460	1.460	1.460	1.460
170.0	1.011	1.123	1.011	1.011	1.011	1.123	1.011	1.123	1.011	0.899
172.5	0.899	0.787	0.787	0.899	0.787	0.787	0.787	0.899	0.899	0.899
175.0	0.787	0.673	0.673	0.787	0.673	0.673	0.673	0.673	0.673	0.673
177.5	0.561	0.561	0.561	0.561	0.561	0.561	0.673	0.561	0.561	0.673
180.0	0.594	0.594	0.594	0.594	0.594	0.594	0.594	0.594	0.594	0.594

Vert. Angles	Horizontal Angles									
	<u>200</u>	<u>210</u>	<u>220</u>	<u>230</u>	<u>240</u>	<u>250</u>	<u>260</u>	<u>270</u>	<u>280</u>	<u>290</u>
0.0	1.110	1.110	1.110	1.110	1.110	1.110	1.110	1.110	1.110	1.110
2.5	1.910	2.022	1.910	1.910	1.798	1.910	1.798	1.798	1.684	1.684
5.0	2.809	3.033	3.033	3.033	2.921	2.809	2.583	2.583	2.583	2.697
7.5	4.044	4.157	4.269	4.269	4.381	4.157	4.044	4.044	3.820	3.708
10.0	5.392	5.729	5.841	5.841	5.841	5.729	5.504	5.617	5.168	5.168
12.5	8.874	6.852	7.527	15.165	7.302	6.740	6.740	6.740	6.403	6.740
15.0	7.751	8.089	8.313	8.201	8.089	7.527	7.863	7.751	7.639	7.751
17.5	8.650	8.988	8.988	9.099	9.099	8.650	8.762	8.650	8.988	8.538
20.0	9.773	10.110	10.110	10.222	10.222	9.886	9.998	9.773	9.998	9.773
22.5	11.347	11.459	12.020	12.020	12.244	11.571	11.795	11.683	11.571	11.347
25.0	12.919	14.154	16.064	14.941	20.109	13.818	14.941	19.659	19.434	13.480

IES ROAD REPORT
PHOTOMETRIC FILENAME : BOLQF1X22U4K.IES

CANDELA TABULATION - (Cont.)

27.5	15.390	20.782	23.591	26.511	20.221	22.242	24.264	20.670	19.771	26.062
30.0	60.213	61.673	67.964	91.329	107.057	56.056	88.408	83.242	57.741	57.292
32.5	109.416	126.828	211.531	158.170	142.556	191.198	189.288	81.332	159.406	162.439
35.0	196.590	304.208	251.634	289.155	329.597	319.149	299.827	311.510	245.905	230.852
37.5	369.925	346.447	398.122	459.008	415.308	386.439	452.044	476.532	391.831	392.842
40.0	439.013	397.111	464.737	440.585	494.393	538.205	514.502	432.722	460.468	383.854
42.5	428.565	496.753	476.869	550.563	508.211	529.219	523.714	496.079	514.728	521.242
45.0	479.229	487.879	500.910	561.796	568.985	503.157	555.505	604.934	516.188	508.549
47.5	404.862	477.768	504.504	548.653	539.665	487.991	508.099	565.953	541.801	462.716
50.0	440.809	419.016	421.151	415.308	468.557	524.950	493.159	410.028	434.744	449.796
52.5	336.898	400.931	366.218	410.815	376.890	400.593	421.487	441.370	362.061	345.998
55.0	300.276	306.679	330.719	344.761	362.061	332.404	343.413	381.945	355.659	299.602
57.5	268.485	278.258	268.373	313.757	336.561	346.559	310.049	305.107	301.961	274.214
60.0	226.022	236.356	228.605	248.826	239.726	235.457	231.414	235.233	229.841	245.905
62.5	142.106	156.710	170.528	182.548	178.279	169.517	177.154	192.545	167.607	169.179
65.0	122.223	139.186	155.137	157.946	156.372	163.450	161.766	154.350	161.091	148.621
67.5	101.777	111.438	122.335	121.886	123.570	127.054	129.075	128.850	126.940	127.951
70.0	81.782	94.026	94.587	97.284	92.677	95.598	97.957	103.237	103.349	107.057
72.5	66.278	78.412	81.556	79.197	78.636	80.433	81.219	86.948	89.419	89.757
75.0	52.236	60.101	63.357	63.695	60.886	64.370	65.043	69.536	71.895	72.457
77.5	42.126	48.416	50.214	48.979	50.214	50.889	51.451	55.944	56.955	55.832
80.0	38.194	42.239	43.700	43.924	43.586	44.149	45.384	46.620	47.519	47.070
82.5	32.129	35.162	36.622	36.510	36.734	36.510	37.521	39.431	41.003	40.441
85.0	28.533	31.004	32.914	32.690	33.028	33.140	33.813	34.712	35.162	34.824
87.5	26.849	29.095	30.331	31.004	31.230	31.230	31.791	32.353	32.578	32.015
90.0	26.400	28.421	29.882	31.004	30.892	31.230	31.004	31.230	31.004	30.331
92.5	24.602	26.511	27.748	28.421	28.196	28.196	28.871	29.770	29.658	28.983
95.0	22.917	24.264	24.826	25.275	25.275	25.613	25.725	26.174	26.400	26.288
97.5	20.109	21.344	22.580	23.253	23.479	23.815	23.928	24.490	24.490	23.703
100.0	18.535	19.434	20.109	21.008	21.120	21.569	22.019	22.468	22.130	21.344
102.5	17.300	17.973	18.760	19.434	19.771	19.995	20.109	20.558	20.221	19.547
105.0	16.289	16.851	17.638	18.087	18.311	18.760	18.760	18.984	18.760	18.311
107.5	15.390	15.952	16.739	17.075	17.412	17.524	17.638	17.749	17.638	17.075
110.0	14.603	15.165	15.728	16.064	16.401	16.401	16.625	16.739	16.513	16.064
112.5	13.930	14.379	15.053	15.278	15.728	15.614	15.840	15.728	15.502	15.053
115.0	13.480	13.818	14.379	14.717	14.941	15.053	15.165	14.941	14.829	14.379
117.5	13.031	13.480	13.930	14.267	14.603	14.717	14.717	14.603	14.154	13.704
120.0	12.807	13.143	13.704	14.042	14.491	14.717	14.717	14.379	13.930	13.368
122.5	12.694	13.031	13.592	14.267	14.717	14.941	14.829	14.491	13.930	13.255
125.0	12.807	13.255	13.930	14.603	15.053	15.390	15.165	14.603	13.930	13.143
127.5	13.143	13.592	14.154	14.941	15.390	15.728	15.502	14.829	14.154	13.255
130.0	13.368	13.818	14.491	15.278	15.840	16.289	15.728	15.053	14.379	13.592
132.5	13.480	13.818	14.603	15.278	15.952	16.177	15.728	15.053	14.379	13.818
135.0	12.807	13.031	13.592	14.267	14.717	14.717	14.379	14.154	13.704	13.031
137.5	11.571	11.683	12.244	12.582	12.919	12.919	12.470	12.582	12.244	11.795
140.0	10.110	10.110	10.560	10.897	11.009	10.897	10.784	10.784	10.672	10.334
142.5	8.650	8.538	8.874	9.099	9.211	9.211	9.211	9.211	8.988	8.762
145.0	7.302	7.527	7.639	7.639	7.751	7.751	7.751	7.863	7.751	7.527
147.5	6.291	6.403	6.403	6.516	6.516	6.516	6.628	6.516	6.516	6.516
150.0	5.392	5.504	5.392	5.504	5.504	5.504	5.504	5.504	5.504	5.504
152.5	4.381	4.493	4.607	4.607	4.493	4.607	4.607	4.718	4.607	4.607
155.0	3.820	3.708	3.708	3.820	3.820	3.932	3.932	3.932	3.932	3.820
157.5	3.258	3.258	3.258	3.370	3.370	3.370	3.370	3.370	3.258	3.258
160.0	2.809	2.809	2.809	2.809	2.921	2.921	2.921	2.697	2.809	2.697
162.5	2.359	2.359	2.359	2.471	2.471	2.359	2.471	2.359	2.247	2.134
165.0	1.798	1.798	1.910	1.910	1.910	1.910	2.022	1.684	1.798	1.798

IES ROAD REPORT
PHOTOMETRIC FILENAME : BOLQF1X22U4K.IES

CANDELA TABULATION - (Cont.)

167.5	1.348	1.348	1.348	1.460	1.460	1.348	1.460	1.236	1.348	1.348
170.0	1.011	1.123	1.123	1.011	1.011	1.011	1.011	1.011	1.011	1.011
172.5	0.787	0.787	0.787	0.787	0.787	0.899	0.787	0.787	0.787	0.787
175.0	0.673	0.673	0.673	0.673	0.673	0.673	0.673	0.673	0.673	0.673
177.5	0.561	0.673	0.673	0.561	0.561	0.561	0.561	0.673	0.561	0.673
180.0	0.594	0.594	0.594	0.594	0.594	0.594	0.594	0.594	0.594	0.594

Vert. Horizontal Angles
Angles

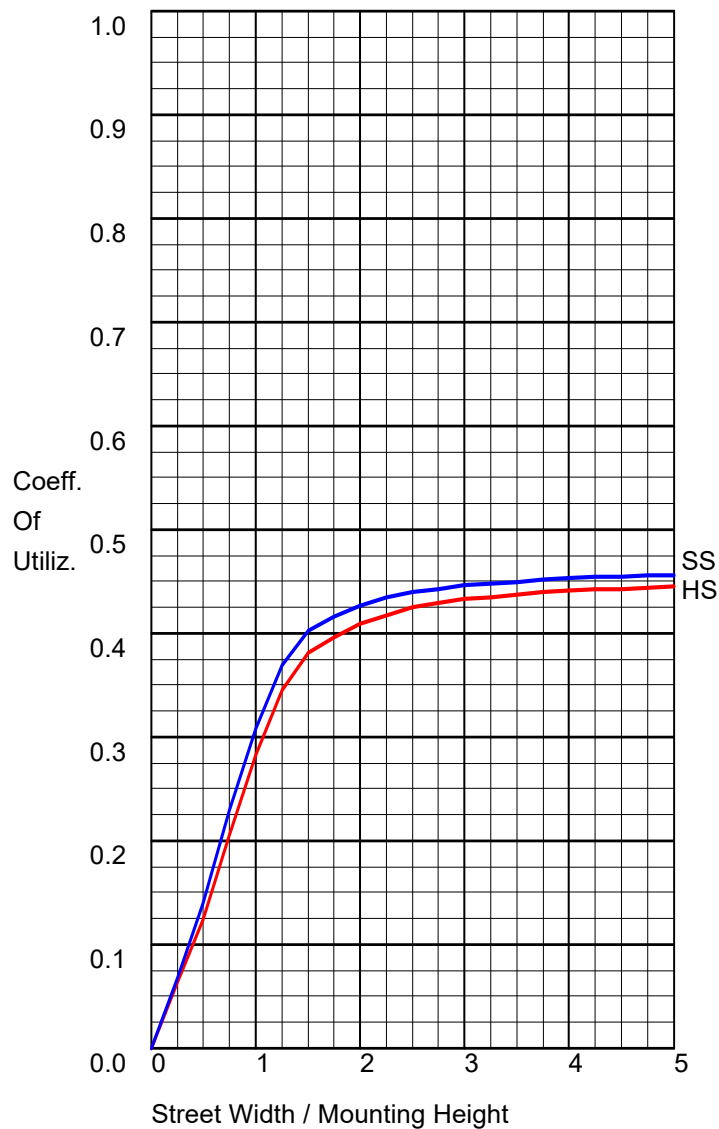
	300	310	320	330	340	350	360
0.0	1.110	1.110	1.110	1.110	1.110	1.110	1.110
2.5	1.572	1.684	1.684	1.572	1.460	1.572	1.460
5.0	2.471	2.583	2.359	2.471	2.359	2.471	2.471
7.5	3.708	3.594	3.482	3.370	3.482	3.370	3.482
10.0	4.830	4.942	4.718	4.493	4.607	4.493	4.493
12.5	6.179	6.067	5.841	5.729	5.504	5.504	6.291
15.0	7.302	7.190	7.078	6.852	6.628	6.628	6.740
17.5	8.538	8.201	7.977	7.751	7.639	7.527	7.639
20.0	9.549	8.988	8.988	8.874	8.650	8.425	8.538
22.5	10.784	10.334	10.110	10.110	9.773	9.549	9.661
25.0	15.502	12.244	12.020	12.244	11.233	11.121	11.233
27.5	18.648	14.603	15.728	17.973	12.807	13.143	12.919
30.0	52.236	44.822	49.429	33.252	26.062	34.936	39.205
32.5	116.156	88.296	101.665	151.767	122.110	140.085	147.498
35.0	212.991	201.870	214.114	224.785	222.202	242.984	213.215
37.5	363.971	344.987	320.385	288.594	276.236	366.780	353.187
40.0	368.690	446.876	375.430	364.421	438.450	427.442	437.888
42.5	382.956	443.843	486.868	434.069	482.823	505.628	452.605
45.0	493.832	499.787	461.367	494.731	468.894	557.415	517.423
47.5	441.146	411.265	461.705	416.095	456.087	464.064	483.048
50.0	386.551	408.906	408.682	433.507	403.963	492.036	470.355
52.5	411.714	376.441	405.312	368.128	384.979	402.053	397.560
55.0	286.908	287.469	299.602	326.676	320.272	345.884	385.091
57.5	240.851	267.025	279.269	274.214	289.267	304.769	299.602
60.0	237.143	236.918	225.796	219.506	239.838	253.994	237.367
62.5	172.212	139.298	154.239	172.437	194.119	190.748	210.406
65.0	124.131	124.694	131.435	153.116	158.845	163.899	172.437
67.5	115.483	114.584	114.359	128.288	135.141	139.072	142.556
70.0	97.733	100.093	100.317	106.383	113.460	113.010	118.290
72.5	80.321	80.433	82.567	90.094	94.250	91.217	91.667
75.0	67.852	64.482	64.818	72.682	73.917	72.682	71.671
77.5	53.135	50.776	51.337	57.404	59.651	58.415	58.303
80.0	44.373	41.902	42.463	47.070	49.315	50.102	49.315
82.5	38.981	36.959	38.306	42.351	43.250	43.700	43.025
85.0	33.589	31.566	32.353	34.712	35.499	36.172	35.723
87.5	30.443	29.095	29.208	31.230	32.129	32.353	32.465
90.0	28.759	27.972	28.084	29.994	30.781	31.566	31.454
92.5	27.522	26.623	26.735	28.309	29.208	29.770	29.882
95.0	25.389	25.275	25.501	26.961	28.084	28.084	27.860
97.5	22.580	22.019	22.580	23.591	24.939	25.275	25.389
100.0	20.558	19.883	20.333	20.894	21.793	22.242	22.468
102.5	18.872	18.535	18.760	19.210	19.995	20.445	20.558
105.0	17.524	17.300	17.412	17.973	18.648	18.872	19.098
107.5	16.513	16.177	16.401	16.963	17.412	17.749	17.638
110.0	15.614	15.390	15.502	15.840	16.289	16.625	16.513
112.5	14.717	14.603	14.603	14.941	15.278	15.502	15.502

IES ROAD REPORT
PHOTOMETRIC FILENAME : BOLQF1X22U4K.IES

CANDELA TABULATION - (Cont.)

115.0	13.930	13.818	13.818	14.154	14.379	14.603	14.717
117.5	13.368	13.255	13.368	13.480	13.818	14.042	14.042
120.0	13.031	12.807	12.919	13.143	13.368	13.592	13.818
122.5	12.807	12.582	12.582	12.807	13.143	13.480	13.592
125.0	12.694	12.358	12.470	12.694	13.255	13.480	13.704
127.5	12.807	12.582	12.694	12.807	13.592	14.042	14.267
130.0	13.031	13.143	13.031	13.255	13.818	14.491	14.829
132.5	13.368	13.368	13.143	13.368	14.042	14.603	14.941
135.0	12.919	12.919	13.031	13.031	13.592	14.379	14.717
137.5	11.571	11.795	11.683	11.795	12.358	12.807	13.031
140.0	10.222	10.334	10.334	10.560	10.560	11.009	11.459
142.5	8.762	8.874	8.988	9.099	9.323	9.549	9.773
145.0	7.527	7.639	7.751	7.863	8.089	8.201	8.313
147.5	6.516	6.516	6.740	6.852	6.852	7.078	7.078
150.0	5.504	5.504	5.617	5.617	5.841	5.953	5.953
152.5	4.718	4.607	4.718	4.830	4.830	4.942	5.054
155.0	3.932	3.932	3.932	3.932	4.044	4.044	4.157
157.5	3.258	3.370	3.258	3.370	3.370	3.370	3.482
160.0	2.583	2.583	2.697	2.809	2.809	2.809	2.921
162.5	2.247	2.247	2.247	2.359	2.247	2.359	2.471
165.0	1.798	1.798	1.798	1.798	1.910	1.910	2.022
167.5	1.348	1.348	1.348	1.348	1.460	1.348	1.460
170.0	0.899	1.011	1.011	1.011	1.011	1.236	1.123
172.5	0.787	0.787	0.787	0.787	0.787	0.787	0.787
175.0	0.673	0.673	0.673	0.673	0.673	0.673	0.673
177.5	0.561	0.561	0.561	0.561	0.561	0.561	0.561
180.0	0.594	0.594	0.594	0.594	0.594	0.594	0.594

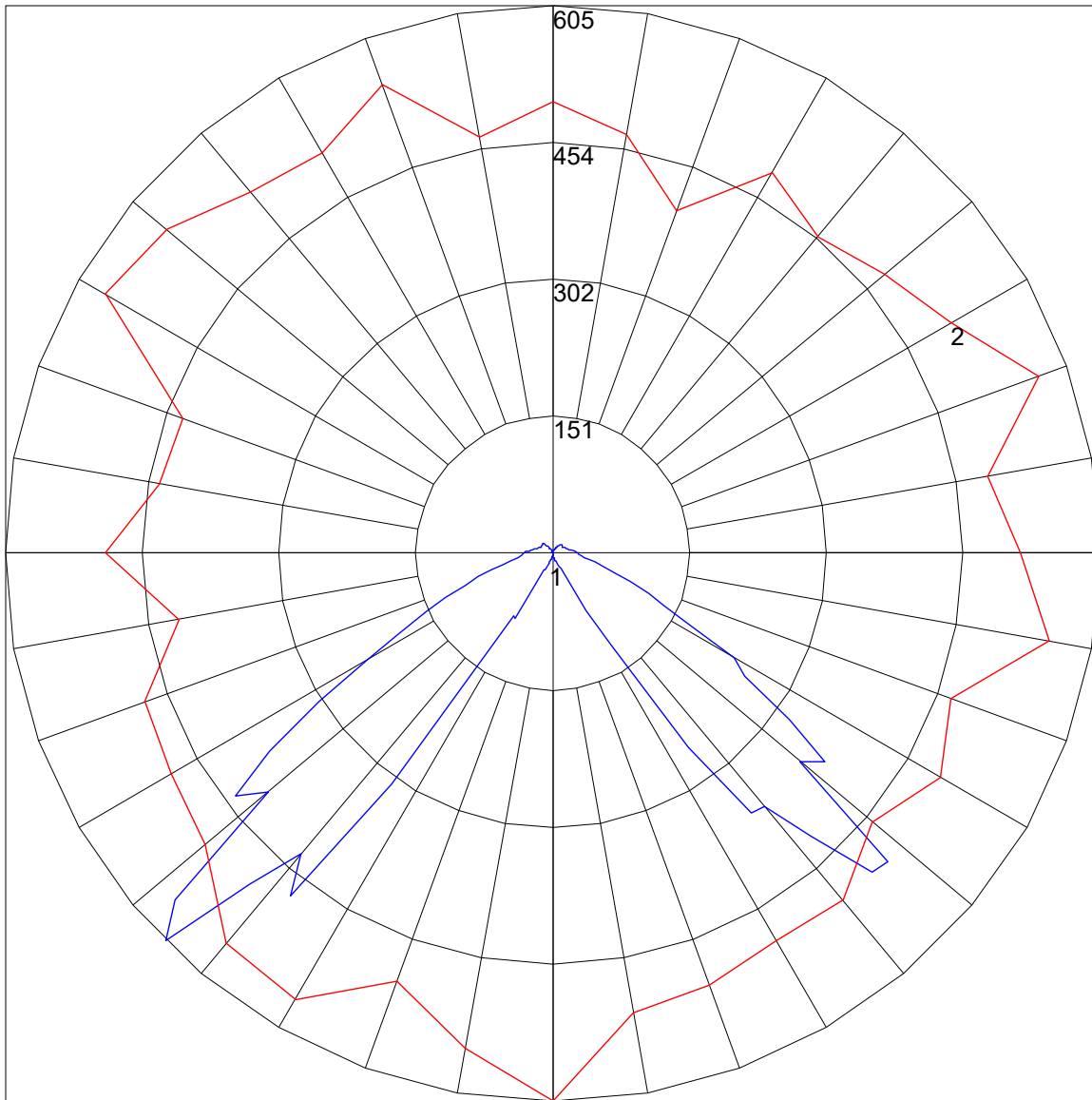
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

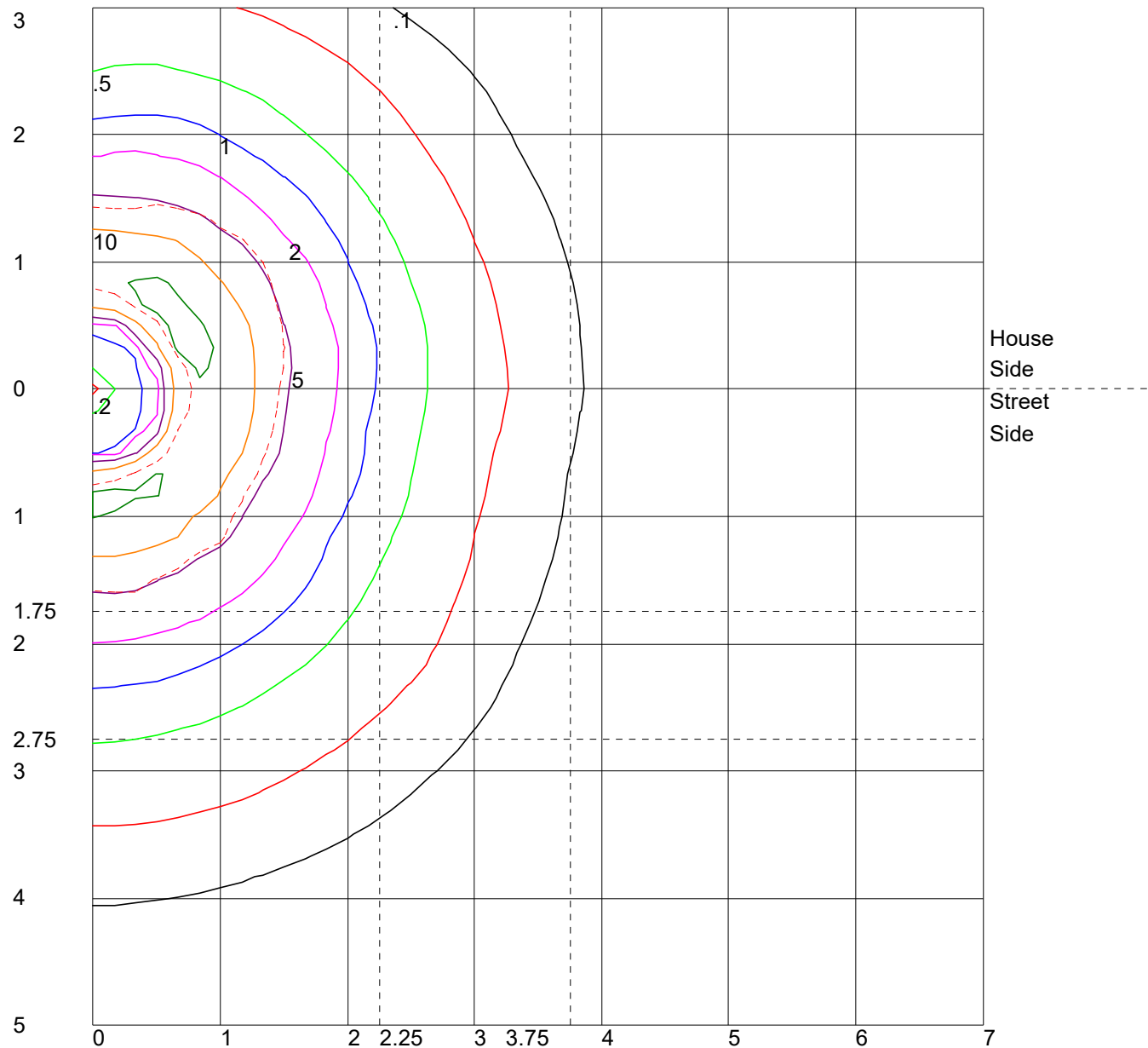
	Lumens	Percent Of Luminaire
Downward Street Side	542.1	45.7
Downward House Side	553.7	46.6
Downward Total	1095.8	92.3
Upward Street Side	45.9	3.9
Upward House Side	45.3	3.8
Upward Total	91.2	7.7
Total Flux	1187.0	100.0

POLAR GRAPH

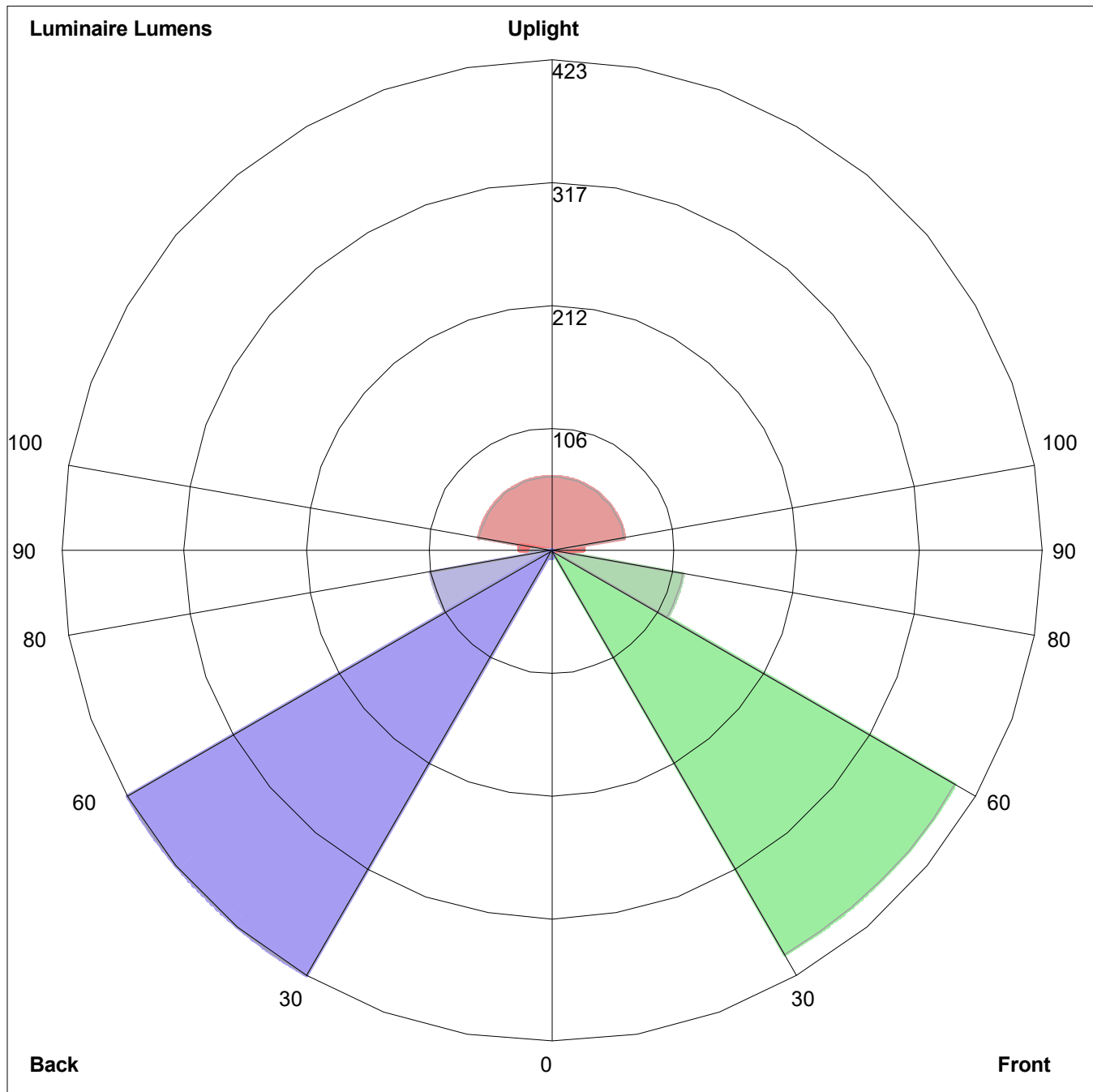


Maximum Candela = 604.934 Located At Horizontal Angle = 270, Vertical Angle = 45
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=5.2, Medium=402.4, High=115.0, Very High=19.4
Back: Low=6.6, Medium=423.3, High=105.9, Very High=17.9
Uplight: Low=27.6, High=63.6

BUG Rating : B1-U3-G1