



IES ROAD REPORT

PHOTOMETRIC FILENAME : BOLQF1X22U5K.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] Q2017021801 scaled from 15w

[TESTLAB] QSSI

[MANUFAC] QSSI

[ISSUEDATE] 02/18/2017

[LUMCAT] BOLQF1X22U5K

[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	1236
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	52
Total Luminaire Watts	23.8
Ballast Factor	1.00
Upward Waste Light Ratio	0.08
Maximum Candela	630.14
Maximum Candela Angle	270H 45V
Maximum Candela (<90 Degrees Vertical)	630.14
Maximum Candela Angle (<90 Degrees Vertical)	270H 45V
Maximum Candela At 90 Degrees Vertical	32.881 (2.7% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	52.19 (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)	5.5	N.A.	0.4
FM - Front-Medium (30-60)	419.2	N.A.	33.9
FH - Front-High (60-80)	119.8	N.A.	9.7
FVH - Front-Very High (80-90)	20.2	N.A.	1.6
BL - Back-Low (0-30)	6.9	N.A.	0.6
BM - Back-Medium (30-60)	440.9	N.A.	35.7
BH - Back-High (60-80)	110.3	N.A.	8.9
BVH - Back-Very High (80-90)	18.7	N.A.	1.5
UL - Uplight-Low (90-100)	28.8	N.A.	2.3
UH - Uplight-High (100-180)	66.2	N.A.	5.4
Total	1236.5	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	1.157	1.157	1.157	1.157	1.157	1.157	1.157	1.157	1.157	1.157
2.5	1.521	1.521	1.638	1.638	1.638	1.638	1.754	1.638	1.521	1.754
5.0	2.574	2.458	2.458	2.574	2.691	2.691	2.574	2.458	2.574	2.809
7.5	3.627	3.627	3.627	3.627	3.744	3.511	3.511	3.627	3.511	3.862
10.0	4.680	4.680	4.798	4.798	5.032	4.915	4.798	4.915	4.798	5.148
12.5	6.553	5.851	9.244	23.754	6.553	5.968	6.085	6.085	5.851	6.320
15.0	7.021	6.904	17.436	16.500	7.254	7.138	7.021	7.021	6.904	7.489
17.5	7.957	7.957	7.957	8.074	8.074	8.309	8.074	8.191	8.074	8.542
20.0	8.894	8.776	8.894	9.127	9.127	9.244	9.362	9.244	9.595	9.830
22.5	10.063	10.063	10.180	10.415	10.648	10.765	11.233	10.765	11.000	11.936
25.0	11.701	11.820	11.936	12.169	12.404	12.754	13.341	12.754	12.873	16.851
27.5	13.457	13.341	13.691	14.275	14.744	19.307	19.542	16.148	16.968	19.894
30.0	40.839	40.722	19.659	46.105	32.063	35.339	45.989	56.052	57.923	75.944
32.5	153.644	125.326	100.518	112.805	103.560	88.113	69.859	87.764	75.476	125.092
35.0	222.099	263.289	237.077	248.779	214.025	224.791	245.268	205.014	279.789	272.651
37.5	367.904	359.010	397.742	385.573	389.200	376.328	367.552	361.351	348.830	376.446
40.0	456.134	478.250	459.996	440.687	405.933	406.401	371.531	390.605	400.901	380.190
42.5	471.464	533.132	462.805	479.070	517.569	444.901	394.583	490.538	481.411	442.326
45.0	538.982	509.027	596.087	530.323	499.080	475.442	505.866	418.337	489.485	519.440
47.5	503.175	516.048	477.197	532.429	518.387	509.495	502.006	464.794	465.847	524.355
50.0	489.953	438.699	506.686	430.039	462.218	441.975	360.999	427.933	419.274	372.232
52.5	414.125	462.337	414.594	478.368	372.817	395.988	405.933	383.700	390.020	394.349
55.0	401.136	374.690	382.764	367.201	369.307	323.671	330.691	319.809	289.384	332.680
57.5	312.085	340.637	308.458	290.555	313.958	278.619	240.704	277.331	287.746	262.353
60.0	247.257	282.831	268.789	275.108	273.587	268.672	240.939	229.823	253.810	242.109
62.5	219.173	211.217	214.493	220.578	219.408	194.366	193.546	172.016	161.250	178.451
65.0	179.622	174.122	183.601	167.335	167.919	152.943	130.007	135.623	127.081	141.006
67.5	148.496	148.612	141.591	143.229	137.729	131.528	116.081	120.528	112.454	119.827
70.0	123.219	119.007	118.070	114.208	114.795	105.549	99.348	91.274	87.880	94.901
72.5	95.486	97.710	96.306	91.742	90.806	93.145	79.923	71.264	68.806	77.115
75.0	74.658	73.253	73.486	75.243	73.838	71.264	64.243	61.317	57.222	61.552
77.5	60.732	60.732	59.796	60.497	59.563	59.094	53.010	46.338	44.701	49.616
80.0	51.370	50.201	50.785	50.669	49.031	47.743	43.413	38.616	38.148	41.542
82.5	44.817	45.402	44.584	43.531	43.764	42.595	39.084	36.275	36.158	37.680
85.0	37.211	36.860	36.860	36.743	36.158	34.637	32.648	30.074	30.190	31.946
87.5	33.818	33.584	33.818	33.701	33.233	31.712	29.839	27.849	28.084	29.606
90.0	32.765	32.648	32.765	32.648	32.296	31.127	29.489	27.849	27.968	29.722
92.5	31.127	30.893	31.243	31.010	30.775	29.371	27.849	26.328	26.328	27.500
95.0	29.021	28.904	28.904	28.786	28.318	27.383	26.095	25.159	25.159	25.978
97.5	26.447	26.212	26.563	26.328	25.978	24.807	23.053	22.233	22.000	22.351
100.0	23.404	23.286	23.521	23.169	22.701	21.765	20.595	20.127	20.010	20.595
102.5	21.415	21.297	21.415	21.531	20.712	20.010	19.191	18.606	18.722	19.307
105.0	19.894	19.894	19.775	19.775	19.307	18.606	17.786	17.553	17.318	17.904
107.5	18.372	18.606	18.489	18.372	18.021	17.553	16.851	16.500	16.500	16.851
110.0	17.201	17.318	17.318	17.318	16.968	16.383	15.915	15.680	15.563	15.915
112.5	16.148	16.032	16.148	16.148	16.148	15.680	15.095	14.862	14.862	15.212
115.0	15.330	15.212	15.330	15.330	15.212	14.862	14.394	14.159	14.275	14.627
117.5	14.627	14.627	14.627	14.627	14.394	14.159	13.807	13.574	13.691	14.159
120.0	14.394	14.394	14.275	14.159	13.926	13.691	13.341	13.106	13.222	13.691
122.5	14.159	14.275	14.159	14.042	13.807	13.341	12.989	12.989	13.106	13.457
125.0	14.275	14.394	14.275	13.926	13.691	13.341	12.989	12.873	12.989	13.691
127.5	14.862	15.095	14.744	14.275	14.042	13.574	13.222	13.106	13.106	13.926
130.0	15.447	15.447	15.330	14.979	14.510	14.042	13.457	13.106	13.222	13.926

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CANDELA TABULATION - (Cont.)

132.5	15.563	15.797	15.680	15.330	14.627	14.159	13.807	13.574	13.457	13.926
135.0	15.330	15.447	15.330	14.510	14.275	13.807	13.457	13.341	13.106	13.341
137.5	13.574	13.807	13.574	13.457	13.106	12.754	12.286	12.169	12.053	12.053
140.0	11.936	12.053	12.053	11.701	11.468	11.116	10.883	10.883	10.648	10.648
142.5	10.180	10.298	10.063	10.063	9.712	9.595	9.244	9.244	9.362	9.244
145.0	8.659	8.776	8.659	8.542	8.309	8.309	8.191	7.957	8.074	7.957
147.5	7.373	7.373	7.373	7.254	7.373	7.138	7.021	6.904	7.021	6.904
150.0	6.201	6.201	6.201	6.201	6.320	6.085	5.968	5.968	5.851	5.968
152.5	5.265	5.148	5.265	5.032	5.265	5.032	5.032	4.915	4.915	5.032
155.0	4.330	4.330	4.447	4.330	4.447	4.212	4.212	4.095	4.095	4.330
157.5	3.627	3.627	3.627	3.627	3.627	3.511	3.511	3.511	3.394	3.744
160.0	3.042	2.926	3.042	3.042	3.042	3.042	3.042	2.926	2.926	3.277
162.5	2.574	2.574	2.574	2.574	2.574	2.574	2.574	2.458	2.458	2.574
165.0	2.106	2.106	2.106	1.989	1.989	1.989	1.989	1.989	1.989	2.106
167.5	1.521	1.521	1.638	1.521	1.521	1.521	1.521	1.521	1.405	1.638
170.0	1.170	1.170	1.170	1.170	1.170	1.170	1.170	1.170	1.170	1.170
172.5	0.820	0.936	0.936	0.820	0.820	0.820	0.820	0.820	0.820	0.936
175.0	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701
177.5	0.585	0.585	0.701	0.701	0.585	0.585	0.585	0.585	0.585	0.701
180.0	0.619	0.619	0.619	0.619	0.619	0.619	0.619	0.619	0.619	0.619

Vert. Angles **Horizontal Angles**

	100	110	120	130	140	150	160	170	180	190
0.0	1.157	1.157	1.157	1.157	1.157	1.157	1.157	1.157	1.157	1.157
2.5	1.754	1.873	1.754	1.754	1.754	1.638	1.754	1.754	1.754	1.989
5.0	2.809	2.809	2.809	2.691	2.809	2.691	2.809	2.809	2.926	3.042
7.5	3.862	3.862	3.979	3.862	3.862	3.862	4.095	3.979	3.979	4.095
10.0	5.148	5.148	5.265	15.680	5.032	5.032	5.032	5.148	5.265	5.265
12.5	20.828	6.320	6.085	6.085	6.201	6.085	6.320	6.201	6.320	6.670
15.0	7.489	7.723	7.138	7.373	7.489	7.254	7.373	7.373	7.489	7.723
17.5	8.542	8.659	8.542	8.426	8.309	8.659	8.542	8.659	9.010	8.776
20.0	9.947	9.830	9.830	9.947	9.712	9.712	9.830	9.947	9.947	10.180
22.5	11.936	11.820	11.701	11.701	11.233	11.351	11.468	11.351	11.468	11.233
25.0	16.265	14.627	14.394	13.807	12.989	13.341	13.222	12.873	12.989	12.989
27.5	24.457	28.786	30.190	27.616	23.404	22.116	20.828	14.862	15.915	14.979
30.0	73.018	106.602	81.444	92.795	76.296	59.796	49.966	51.838	39.786	40.839
32.5	189.919	178.569	206.067	165.813	176.930	196.824	186.993	160.898	153.527	142.411
35.0	198.228	312.436	344.383	310.915	222.217	276.981	241.641	215.078	226.077	245.386
37.5	458.358	393.412	440.687	435.539	425.710	409.094	344.851	322.617	317.117	299.566
40.0	445.369	449.464	481.879	469.943	461.400	477.432	458.708	394.933	357.372	437.411
42.5	504.580	502.707	518.739	536.993	472.400	503.409	460.229	410.263	391.541	442.911
45.0	486.207	573.736	531.728	542.376	580.407	595.386	452.858	459.761	514.877	437.763
47.5	501.069	554.429	527.164	506.569	525.993	449.348	518.154	395.402	407.573	488.665
50.0	409.795	473.336	486.442	527.281	468.655	505.281	426.996	423.954	431.560	413.774
52.5	389.084	428.986	439.986	433.549	443.028	467.250	386.626	372.116	357.372	361.936
55.0	364.626	369.307	361.467	368.605	338.648	375.859	357.605	293.246	324.606	315.246
57.5	297.341	314.309	338.063	354.095	328.468	327.182	301.203	278.736	263.640	289.852
60.0	279.672	267.151	272.416	301.087	297.341	270.545	243.045	249.130	198.813	201.739
62.5	197.175	202.089	213.557	181.845	184.654	201.154	190.387	170.845	138.314	146.388
65.0	146.271	144.867	149.081	154.464	146.975	140.303	153.527	133.166	115.848	119.240
67.5	131.761	124.507	125.092	125.911	123.922	123.337	110.816	115.496	97.359	108.124
70.0	96.656	95.838	96.306	93.029	89.870	95.721	95.369	90.454	76.296	84.486
72.5	74.891	72.668	72.785	73.721	76.529	73.838	71.732	69.743	66.700	63.891
75.0	61.902	61.669	60.497	64.008	59.328	58.158	58.626	56.402	52.423	50.785
77.5	48.095	48.444	46.573	47.510	47.510	48.796	48.328	45.637	42.478	40.137

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CANDELA TABULATION - (Cont.)

80.0	42.126	42.595	42.711	42.946	43.881	45.052	43.881	42.478	38.849	37.328
82.5	37.796	38.616	37.680	38.031	37.680	38.148	36.743	35.925	32.648	31.010
85.0	32.648	33.468	33.349	33.233	33.233	33.349	32.531	31.360	28.786	27.968
87.5	30.775	31.478	31.243	31.243	31.127	31.127	30.425	29.254	27.265	26.328
90.0	30.425	30.542	30.307	30.074	29.957	29.957	29.254	28.318	26.680	25.978
92.5	28.553	28.786	28.553	28.318	28.084	28.084	27.500	26.563	24.925	24.690
95.0	27.148	27.500	27.500	27.148	27.031	26.796	26.095	25.042	23.521	23.286
97.5	23.521	23.872	23.989	23.637	23.637	23.404	23.169	21.765	20.947	20.478
100.0	21.180	21.648	21.765	21.765	21.648	21.531	20.947	19.894	19.191	18.841
102.5	19.659	20.244	20.244	20.010	20.010	19.775	19.425	18.722	18.021	17.669
105.0	18.372	18.841	18.841	18.722	18.722	18.372	18.254	17.436	16.851	16.616
107.5	17.318	17.669	17.904	17.669	17.553	17.436	17.085	16.383	16.032	15.797
110.0	16.383	16.851	16.851	16.733	16.500	16.383	16.148	15.680	15.095	15.095
112.5	15.680	16.148	16.032	15.915	15.680	15.680	15.330	14.862	14.627	14.510
115.0	15.095	15.447	15.447	15.330	15.212	15.095	14.744	14.275	14.042	14.042
117.5	14.510	14.979	15.330	15.212	14.979	14.627	14.159	13.926	13.574	13.457
120.0	14.275	14.862	15.212	15.212	14.862	14.510	14.042	13.574	13.222	13.222
122.5	14.394	15.095	15.563	15.447	15.095	14.510	13.926	13.457	13.222	13.106
125.0	14.510	15.330	15.797	15.915	15.330	14.862	14.159	13.574	13.222	13.222
127.5	14.627	15.330	15.915	16.032	15.563	15.095	14.275	13.807	13.341	13.457
130.0	14.510	15.212	15.797	15.680	15.447	14.979	14.394	13.807	13.457	13.691
132.5	14.394	15.095	15.447	15.447	15.212	14.979	14.394	13.926	13.807	13.807
135.0	13.807	14.394	14.510	14.744	14.627	14.394	13.926	13.222	13.341	13.574
137.5	12.404	12.989	13.106	13.222	12.873	12.754	12.404	11.701	11.701	12.053
140.0	11.000	11.351	11.585	11.701	11.701	11.233	10.648	10.415	10.415	10.415
142.5	9.479	9.712	9.947	9.947	9.830	9.595	9.362	9.010	8.894	9.127
145.0	8.191	8.309	8.542	8.426	8.426	8.191	7.841	7.723	7.606	7.723
147.5	7.021	7.138	7.254	7.373	7.254	7.138	6.788	6.670	6.553	6.670
150.0	6.085	6.201	6.320	6.320	6.320	6.085	5.851	5.733	5.617	5.500
152.5	5.265	5.383	5.383	5.383	5.383	5.148	5.032	4.915	4.798	4.564
155.0	4.447	4.564	4.680	4.564	4.564	4.330	4.330	4.212	4.095	3.979
157.5	3.744	3.862	3.862	3.862	3.744	3.627	3.627	3.511	3.511	3.394
160.0	3.159	3.277	3.277	3.159	3.159	3.159	3.042	2.926	2.809	2.809
162.5	2.691	2.691	2.691	2.574	2.574	2.574	2.458	2.458	2.458	2.458
165.0	1.989	1.989	1.989	1.989	1.989	1.989	1.989	1.873	1.989	1.873
167.5	1.521	1.521	1.405	1.405	1.405	1.405	1.521	1.521	1.521	1.521
170.0	1.053	1.170	1.053	1.053	1.053	1.170	1.053	1.170	1.053	0.936
172.5	0.936	0.820	0.820	0.936	0.820	0.820	0.820	0.936	0.936	0.936
175.0	0.820	0.701	0.701	0.820	0.701	0.701	0.701	0.701	0.701	0.701
177.5	0.585	0.585	0.585	0.585	0.585	0.585	0.701	0.585	0.585	0.701
180.0	0.619	0.619	0.619	0.619	0.619	0.619	0.619	0.619	0.619	0.619

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	1.157	1.157	1.157	1.157	1.157	1.157	1.157	1.157	1.157	1.157
2.5	1.989	2.106	1.989	1.989	1.873	1.989	1.873	1.873	1.754	1.754
5.0	2.926	3.159	3.159	3.159	3.042	2.926	2.691	2.691	2.691	2.809
7.5	4.212	4.330	4.447	4.447	4.564	4.330	4.212	4.212	3.979	3.862
10.0	5.617	5.968	6.085	6.085	6.085	5.968	5.733	5.851	5.383	5.383
12.5	9.244	7.138	7.841	15.797	7.606	7.021	7.021	7.021	6.670	7.021
15.0	8.074	8.426	8.659	8.542	8.426	7.841	8.191	8.074	7.957	8.074
17.5	9.010	9.362	9.362	9.479	9.479	9.010	9.127	9.010	9.362	8.894
20.0	10.180	10.532	10.532	10.648	10.648	10.298	10.415	10.180	10.415	10.180
22.5	11.820	11.936	12.521	12.521	12.754	12.053	12.286	12.169	12.053	11.820
25.0	13.457	14.744	16.733	15.563	20.947	14.394	15.563	20.478	20.244	14.042

IES ROAD REPORT
PHOTOMETRIC FILENAME : BOLQF1X22U5K.IES

CANDELA TABULATION - (Cont.)

27.5	16.032	21.648	24.574	27.616	21.063	23.169	25.275	21.531	20.595	27.148
30.0	62.722	64.243	70.796	95.135	111.518	58.391	92.092	86.711	60.147	59.679
32.5	113.975	132.113	220.344	164.760	148.496	199.164	197.175	84.721	166.048	169.207
35.0	204.781	316.883	262.119	301.203	343.330	332.447	312.320	324.489	256.151	240.471
37.5	385.338	360.883	414.710	478.133	432.613	402.541	470.879	496.387	408.157	409.210
40.0	457.305	413.657	484.101	458.943	514.993	560.630	535.940	450.752	479.654	399.848
42.5	446.422	517.451	496.739	573.503	529.387	551.270	545.535	516.749	536.175	542.961
45.0	499.197	508.207	521.781	585.204	592.693	524.122	578.651	630.140	537.696	529.738
47.5	421.731	497.675	525.525	571.513	562.151	508.324	529.270	589.534	564.376	481.995
50.0	459.176	436.475	438.699	432.613	488.080	546.823	513.707	427.113	452.858	468.538
52.5	350.936	417.636	381.478	427.933	392.594	417.284	439.049	459.761	377.147	360.414
55.0	312.788	319.458	344.499	359.126	377.147	346.254	357.722	397.859	370.478	312.085
57.5	279.672	289.852	279.555	326.830	350.584	360.999	322.968	317.820	314.542	285.640
60.0	235.439	246.204	238.130	259.194	249.715	245.268	241.056	245.035	239.418	256.151
62.5	148.028	163.239	177.633	190.154	185.707	176.580	184.536	200.567	174.591	176.228
65.0	127.316	144.985	161.601	164.527	162.888	170.260	168.506	160.782	167.803	154.814
67.5	106.018	116.081	127.432	126.964	128.719	132.348	134.454	134.219	132.229	133.282
70.0	85.189	97.944	98.528	101.337	96.539	99.581	102.039	107.539	107.655	111.518
72.5	69.040	81.679	84.954	82.497	81.912	83.785	84.603	90.571	93.145	93.497
75.0	54.413	62.605	65.997	66.349	63.423	67.052	67.753	72.433	74.891	75.476
77.5	43.881	50.434	52.307	51.020	52.307	53.010	53.594	58.275	59.328	58.158
80.0	39.786	43.999	45.520	45.754	45.402	45.989	47.275	48.563	49.499	49.031
82.5	33.468	36.627	38.148	38.031	38.264	38.031	39.084	41.073	42.711	42.126
85.0	29.722	32.296	34.286	34.052	34.404	34.521	35.222	36.158	36.627	36.275
87.5	27.968	30.307	31.595	32.296	32.531	32.531	33.116	33.701	33.936	33.349
90.0	27.500	29.606	31.127	32.296	32.180	32.531	32.296	32.531	32.296	31.595
92.5	25.627	27.616	28.904	29.606	29.371	29.371	30.074	31.010	30.893	30.190
95.0	23.872	25.275	25.860	26.328	26.328	26.680	26.796	27.265	27.500	27.383
97.5	20.947	22.233	23.521	24.222	24.457	24.807	24.925	25.510	25.510	24.690
100.0	19.307	20.244	20.947	21.883	22.000	22.468	22.936	23.404	23.053	22.233
102.5	18.021	18.722	19.542	20.244	20.595	20.828	20.947	21.415	21.063	20.362
105.0	16.968	17.553	18.372	18.841	19.074	19.542	19.542	19.775	19.542	19.074
107.5	16.032	16.616	17.436	17.786	18.138	18.254	18.372	18.489	18.372	17.786
110.0	15.212	15.797	16.383	16.733	17.085	17.085	17.318	17.436	17.201	16.733
112.5	14.510	14.979	15.680	15.915	16.383	16.265	16.500	16.383	16.148	15.680
115.0	14.042	14.394	14.979	15.330	15.563	15.680	15.797	15.563	15.447	14.979
117.5	13.574	14.042	14.510	14.862	15.212	15.330	15.330	15.212	14.744	14.275
120.0	13.341	13.691	14.275	14.627	15.095	15.330	15.330	14.979	14.510	13.926
122.5	13.222	13.574	14.159	14.862	15.330	15.563	15.447	15.095	14.510	13.807
125.0	13.341	13.807	14.510	15.212	15.680	16.032	15.797	15.212	14.510	13.691
127.5	13.691	14.159	14.744	15.563	16.032	16.383	16.148	15.447	14.744	13.807
130.0	13.926	14.394	15.095	15.915	16.500	16.968	16.383	15.680	14.979	14.159
132.5	14.042	14.394	15.212	15.915	16.616	16.851	16.383	15.680	14.979	14.394
135.0	13.341	13.574	14.159	14.862	15.330	15.330	14.979	14.744	14.275	13.574
137.5	12.053	12.169	12.754	13.106	13.457	13.457	12.989	13.106	12.754	12.286
140.0	10.532	10.532	11.000	11.351	11.468	11.351	11.233	11.233	11.116	10.765
142.5	9.010	8.894	9.244	9.479	9.595	9.595	9.595	9.595	9.362	9.127
145.0	7.606	7.841	7.957	7.957	8.074	8.074	8.074	8.191	8.074	7.841
147.5	6.553	6.670	6.670	6.788	6.788	6.788	6.904	6.788	6.788	6.788
150.0	5.617	5.733	5.617	5.733	5.733	5.733	5.733	5.733	5.733	5.733
152.5	4.564	4.680	4.798	4.798	4.680	4.798	4.798	4.915	4.798	4.798
155.0	3.979	3.862	3.862	3.979	3.979	4.095	4.095	4.095	4.095	3.979
157.5	3.394	3.394	3.394	3.511	3.511	3.511	3.511	3.511	3.394	3.394
160.0	2.926	2.926	2.926	2.926	3.042	3.042	3.042	2.809	2.926	2.809
162.5	2.458	2.458	2.458	2.574	2.574	2.458	2.574	2.458	2.341	2.223
165.0	1.873	1.873	1.989	1.989	1.989	1.989	2.106	1.754	1.873	1.873

IES ROAD REPORT
PHOTOMETRIC FILENAME : BOLQF1X22U5K.IES

CANDELA TABULATION - (Cont.)

167.5	1.405	1.405	1.405	1.521	1.521	1.405	1.521	1.288	1.405	1.405
170.0	1.053	1.170	1.170	1.053	1.053	1.053	1.053	1.053	1.053	1.053
172.5	0.820	0.820	0.820	0.820	0.820	0.936	0.820	0.820	0.820	0.820
175.0	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701	0.701
177.5	0.585	0.701	0.701	0.585	0.585	0.585	0.585	0.701	0.585	0.701
180.0	0.619	0.619	0.619	0.619	0.619	0.619	0.619	0.619	0.619	0.619

Vert. Horizontal Angles
Angles

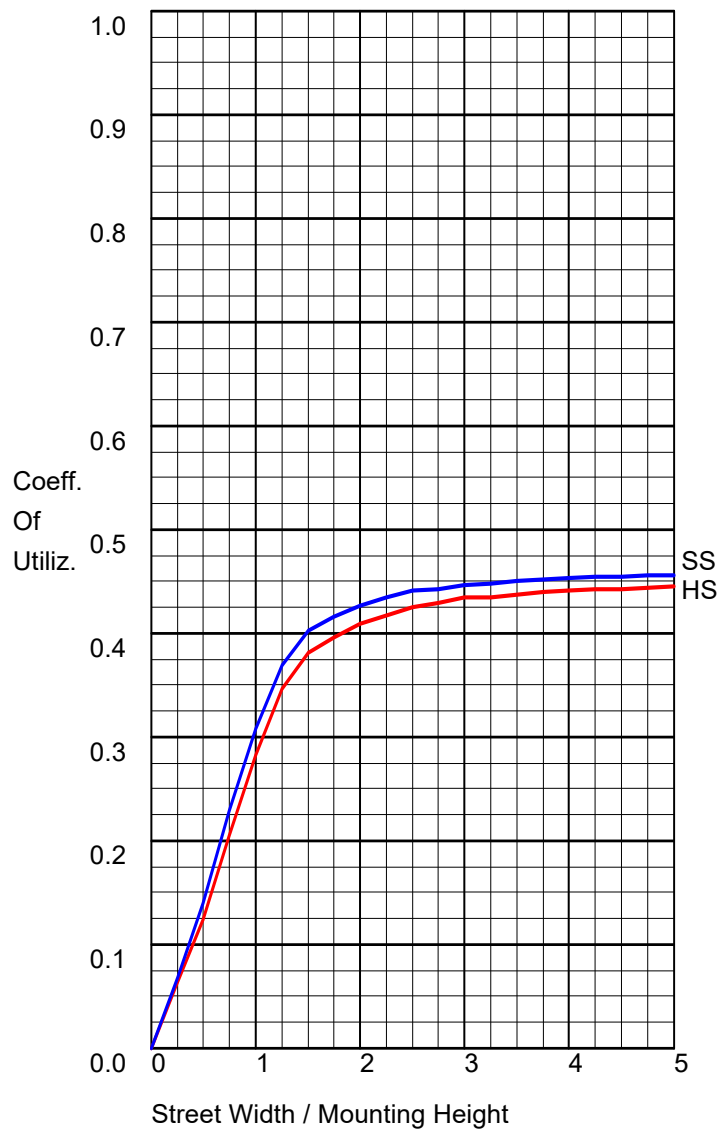
	300	310	320	330	340	350	360
0.0	1.157	1.157	1.157	1.157	1.157	1.157	1.157
2.5	1.638	1.754	1.754	1.638	1.521	1.638	1.521
5.0	2.574	2.691	2.458	2.574	2.458	2.574	2.574
7.5	3.862	3.744	3.627	3.511	3.627	3.511	3.627
10.0	5.032	5.148	4.915	4.680	4.798	4.680	4.680
12.5	6.436	6.320	6.085	5.968	5.733	5.733	6.553
15.0	7.606	7.489	7.373	7.138	6.904	6.904	7.021
17.5	8.894	8.542	8.309	8.074	7.957	7.841	7.957
20.0	9.947	9.362	9.362	9.244	9.010	8.776	8.894
22.5	11.233	10.765	10.532	10.532	10.180	9.947	10.063
25.0	16.148	12.754	12.521	12.754	11.701	11.585	11.701
27.5	19.425	15.212	16.383	18.722	13.341	13.691	13.457
30.0	54.413	46.690	51.488	34.637	27.148	36.392	40.839
32.5	120.996	91.976	105.901	158.091	127.198	145.922	153.644
35.0	221.865	210.281	223.035	234.152	231.461	253.109	222.099
37.5	379.137	359.361	333.735	300.619	287.746	382.062	367.904
40.0	384.052	465.496	391.073	379.605	456.719	445.252	456.134
42.5	398.912	462.337	507.154	452.155	502.940	526.696	471.464
45.0	514.408	520.611	480.591	515.345	488.432	580.640	538.982
47.5	459.528	428.401	480.942	433.433	475.091	483.400	503.175
50.0	402.657	425.943	425.710	451.570	420.795	512.537	489.953
52.5	428.869	392.126	422.200	383.467	401.020	418.806	414.125
55.0	298.862	299.447	312.085	340.287	333.616	360.296	401.136
57.5	250.886	278.151	290.905	285.640	301.320	317.468	312.085
60.0	247.024	246.789	235.205	228.652	249.832	264.577	247.257
62.5	179.387	145.102	160.665	179.622	202.207	198.696	219.173
65.0	129.304	129.890	136.911	159.495	165.464	170.729	179.622
67.5	120.295	119.358	119.123	133.634	140.772	144.867	148.496
70.0	101.806	104.263	104.496	110.816	118.187	117.719	123.219
72.5	83.668	83.785	86.007	93.848	98.177	95.018	95.486
75.0	70.679	67.168	67.518	75.711	76.997	75.711	74.658
77.5	55.349	52.891	53.476	59.796	62.137	60.849	60.732
80.0	46.222	43.648	44.232	49.031	51.370	52.190	51.370
82.5	40.605	38.499	39.902	44.116	45.052	45.520	44.817
85.0	34.989	32.881	33.701	36.158	36.978	37.680	37.211
87.5	31.712	30.307	30.425	32.531	33.468	33.701	33.818
90.0	29.957	29.137	29.254	31.243	32.063	32.881	32.765
92.5	28.669	27.733	27.849	29.489	30.425	31.010	31.127
95.0	26.447	26.328	26.563	28.084	29.254	29.254	29.021
97.5	23.521	22.936	23.521	24.574	25.978	26.328	26.447
100.0	21.415	20.712	21.180	21.765	22.701	23.169	23.404
102.5	19.659	19.307	19.542	20.010	20.828	21.297	21.415
105.0	18.254	18.021	18.138	18.722	19.425	19.659	19.894
107.5	17.201	16.851	17.085	17.669	18.138	18.489	18.372
110.0	16.265	16.032	16.148	16.500	16.968	17.318	17.201
112.5	15.330	15.212	15.212	15.563	15.915	16.148	16.148

IES ROAD REPORT
PHOTOMETRIC FILENAME : BOLQF1X22U5K.IES

CANDELA TABULATION - (Cont.)

115.0	14.510	14.394	14.394	14.744	14.979	15.212	15.330
117.5	13.926	13.807	13.926	14.042	14.394	14.627	14.627
120.0	13.574	13.341	13.457	13.691	13.926	14.159	14.394
122.5	13.341	13.106	13.106	13.341	13.691	14.042	14.159
125.0	13.222	12.873	12.989	13.222	13.807	14.042	14.275
127.5	13.341	13.106	13.222	13.341	14.159	14.627	14.862
130.0	13.574	13.691	13.574	13.807	14.394	15.095	15.447
132.5	13.926	13.926	13.691	13.926	14.627	15.212	15.563
135.0	13.457	13.457	13.574	13.574	14.159	14.979	15.330
137.5	12.053	12.286	12.169	12.286	12.873	13.341	13.574
140.0	10.648	10.765	10.765	11.000	11.000	11.468	11.936
142.5	9.127	9.244	9.362	9.479	9.712	9.947	10.180
145.0	7.841	7.957	8.074	8.191	8.426	8.542	8.659
147.5	6.788	6.788	7.021	7.138	7.138	7.373	7.373
150.0	5.733	5.733	5.851	5.851	6.085	6.201	6.201
152.5	4.915	4.798	4.915	5.032	5.032	5.148	5.265
155.0	4.095	4.095	4.095	4.095	4.212	4.212	4.330
157.5	3.394	3.511	3.394	3.511	3.511	3.511	3.627
160.0	2.691	2.691	2.809	2.926	2.926	2.926	3.042
162.5	2.341	2.341	2.341	2.458	2.341	2.458	2.574
165.0	1.873	1.873	1.873	1.873	1.989	1.989	2.106
167.5	1.405	1.405	1.405	1.405	1.521	1.405	1.521
170.0	0.936	1.053	1.053	1.053	1.053	1.288	1.170
172.5	0.820	0.820	0.820	0.820	0.820	0.820	0.820
175.0	0.701	0.701	0.701	0.701	0.701	0.701	0.701
177.5	0.585	0.585	0.585	0.585	0.585	0.585	0.585
180.0	0.619	0.619	0.619	0.619	0.619	0.619	0.619

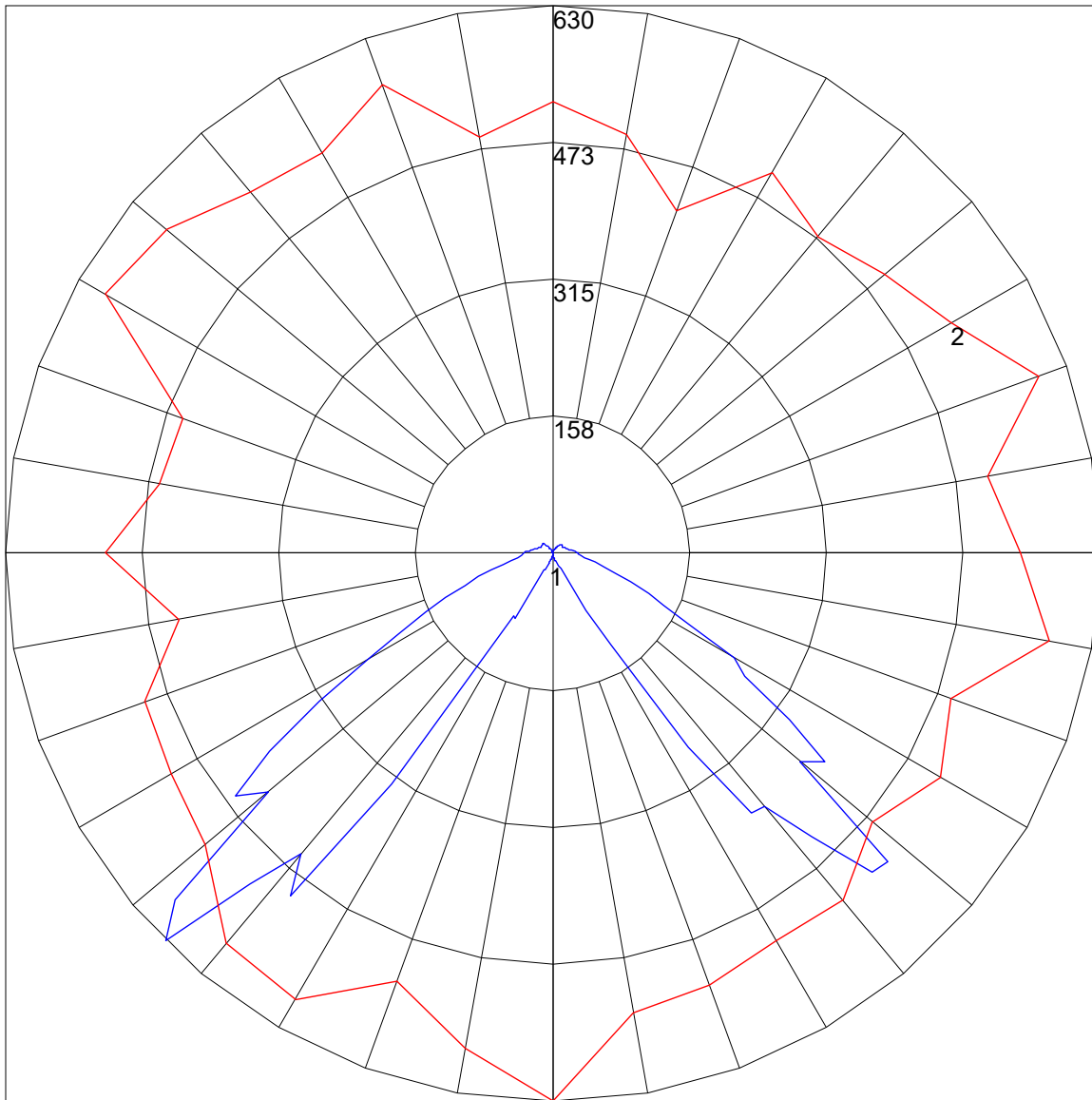
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

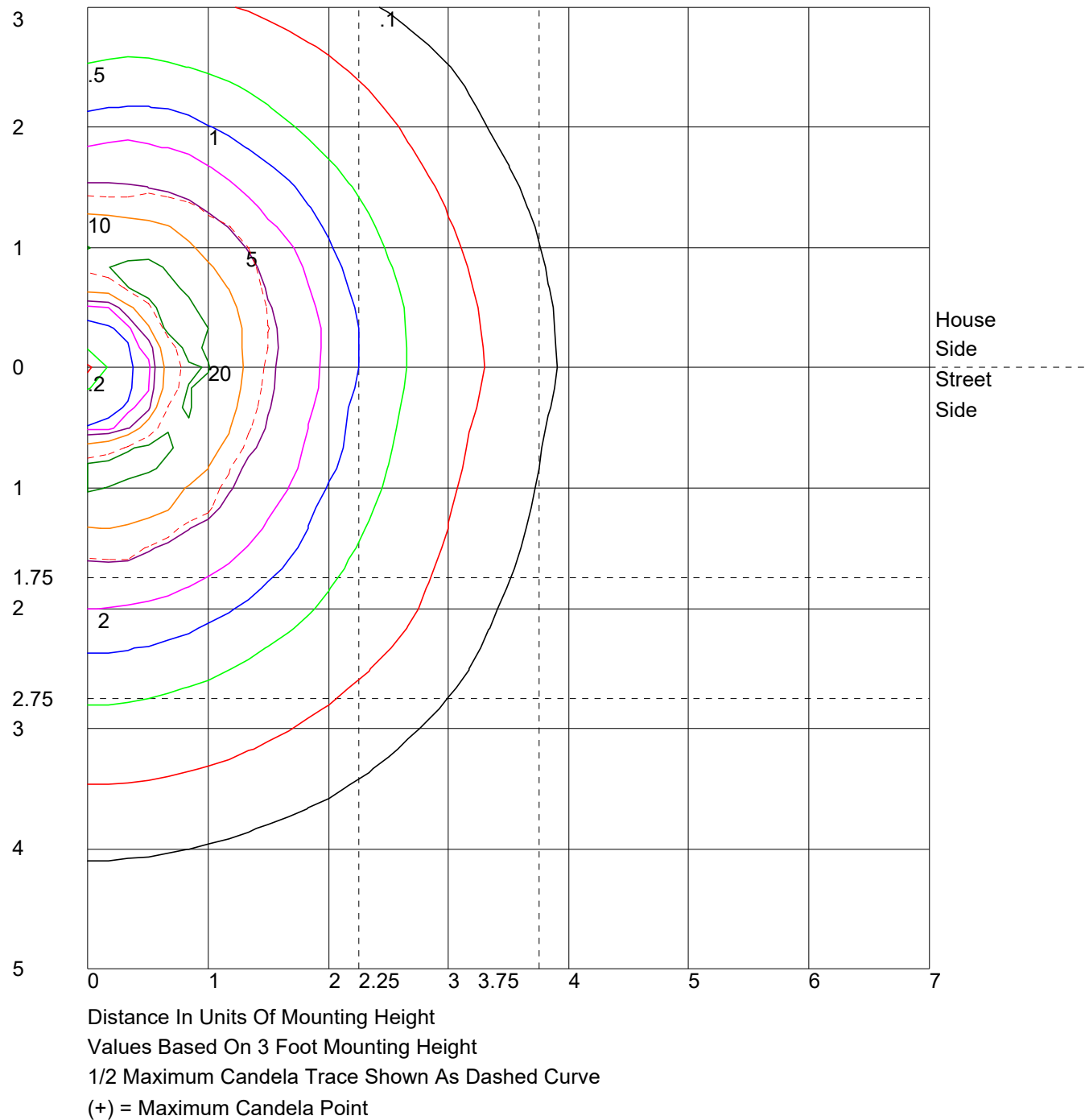
	Lumens	Percent Of Luminaire
Downward Street Side	564.7	45.7
Downward House Side	576.8	46.6
Downward Total	1141.5	92.3
Upward Street Side	47.8	3.9
Upward House Side	47.2	3.8
Upward Total	95.0	7.7
Total Flux	1236.5	100.0

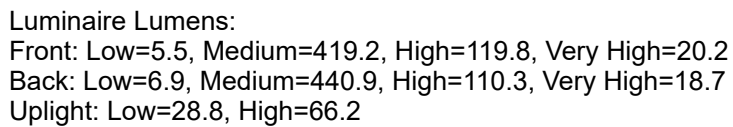
POLAR GRAPH



Maximum Candela = 630.14 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





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Results derived from content of manufacturers photometric file.