



## IES ROAD REPORT

PHOTOMETRIC FILENAME : BOLQF1X22U3K.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] BOLQF1X22U3K

[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	1094
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	46
Total Luminaire Watts	23.8
Ballast Factor	1.00
Upward Waste Light Ratio	0.08
Maximum Candela	557.673
Maximum Candela Angle	270H 45V
Maximum Candela (<90 Degrees Vertical)	557.673
Maximum Candela Angle (<90 Degrees Vertical)	270H 45V
Maximum Candela At 90 Degrees Vertical	29.1 (2.7% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	46.188 (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)	4.8	N.A.	0.4
FM - Front-Medium (30-60)	371.0	N.A.	33.9
FH - Front-High (60-80)	106.0	N.A.	9.7
FVH - Front-Very High (80-90)	17.9	N.A.	1.6
BL - Back-Low (0-30)	6.1	N.A.	0.6
BM - Back-Medium (30-60)	390.2	N.A.	35.7
BH - Back-High (60-80)	97.6	N.A.	8.9
BVH - Back-Very High (80-90)	16.5	N.A.	1.5
UL - Uplight-Low (90-100)	25.5	N.A.	2.3
UH - Uplight-High (100-180)	58.6	N.A.	5.4
Total	1094.2	N.A.	100.0
BUG Rating	B1-U3-G1		

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**CANDELA TABULATION**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<u>0</u>	<u>10</u>	<u>20</u>	<u>30</u>	<u>40</u>	<u>50</u>	<u>60</u>	<u>70</u>	<u>80</u>	<u>90</u>
<b>0.0</b>	1.024	1.024	1.024	1.024	1.024	1.024	1.024	1.024	1.024	1.024
<b>2.5</b>	1.346	1.346	1.449	1.449	1.449	1.449	1.553	1.449	1.346	1.553
<b>5.0</b>	2.278	2.175	2.175	2.278	2.381	2.381	2.278	2.175	2.278	2.486
<b>7.5</b>	3.210	3.210	3.210	3.210	3.313	3.107	3.107	3.210	3.107	3.418
<b>10.0</b>	4.142	4.142	4.247	4.247	4.453	4.350	4.247	4.350	4.247	4.556
<b>12.5</b>	5.799	5.179	8.181	21.022	5.799	5.282	5.385	5.385	5.179	5.593
<b>15.0</b>	6.214	6.110	15.431	14.602	6.420	6.317	6.214	6.214	6.110	6.628
<b>17.5</b>	7.042	7.042	7.042	7.146	7.146	7.353	7.146	7.249	7.146	7.560
<b>20.0</b>	7.871	7.766	7.871	8.077	8.077	8.181	8.285	8.181	8.492	8.700
<b>22.5</b>	8.906	8.906	9.009	9.217	9.424	9.527	9.941	9.527	9.735	10.564
<b>25.0</b>	10.356	10.460	10.564	10.770	10.978	11.288	11.807	11.288	11.392	14.913
<b>27.5</b>	11.910	11.807	12.116	12.634	13.048	17.087	17.295	14.291	15.017	17.606
<b>30.0</b>	36.142	36.039	17.398	40.803	28.376	31.275	40.700	49.606	51.262	67.210
<b>32.5</b>	135.975	110.914	88.958	99.833	91.651	77.980	61.825	77.671	66.796	110.706
<b>35.0</b>	196.557	233.011	209.813	220.169	189.412	198.940	217.062	181.438	247.613	241.296
<b>37.5</b>	325.595	317.724	352.002	341.232	344.442	333.050	325.284	319.795	308.714	333.155
<b>40.0</b>	403.678	423.251	407.096	390.008	359.251	359.665	328.805	345.685	354.798	336.468
<b>42.5</b>	417.245	471.822	409.582	423.977	458.049	393.737	349.206	434.126	426.048	391.459
<b>45.0</b>	476.999	450.489	527.537	469.336	441.686	420.767	447.691	370.229	433.194	459.704
<b>47.5</b>	445.310	456.702	422.319	471.200	458.773	450.903	444.275	411.343	412.275	464.054
<b>50.0</b>	433.608	388.249	448.417	380.584	409.063	391.148	319.484	378.720	371.057	329.426
<b>52.5</b>	366.501	409.168	366.915	423.356	329.943	350.449	359.251	339.575	345.168	348.998
<b>55.0</b>	355.006	331.600	338.746	324.972	326.836	286.449	292.661	283.031	256.105	294.422
<b>57.5</b>	276.195	301.464	272.985	257.141	277.852	246.578	213.023	245.438	254.655	232.182
<b>60.0</b>	218.823	250.305	237.878	243.471	242.125	237.775	213.231	203.393	224.622	214.266
<b>62.5</b>	193.968	186.927	189.826	195.211	194.176	172.014	171.288	152.235	142.706	157.929
<b>65.0</b>	158.966	154.098	162.487	148.091	148.609	135.354	115.056	120.026	112.467	124.791
<b>67.5</b>	131.419	131.522	125.308	126.758	121.890	116.402	102.732	106.667	99.522	106.046
<b>70.0</b>	109.049	105.321	104.492	101.074	101.593	93.411	87.923	80.778	77.774	83.988
<b>72.5</b>	84.505	86.474	85.231	81.192	80.363	82.433	70.732	63.068	60.894	68.247
<b>75.0</b>	66.072	64.829	65.035	66.590	65.347	63.068	56.855	54.266	50.641	54.473
<b>77.5</b>	53.748	53.748	52.919	53.540	52.713	52.299	46.914	41.010	39.560	43.910
<b>80.0</b>	45.463	44.427	44.945	44.842	43.392	42.253	38.420	34.175	33.761	36.764
<b>82.5</b>	39.663	40.181	39.457	38.525	38.731	37.696	34.589	32.103	32.000	33.346
<b>85.0</b>	32.932	32.621	32.621	32.518	32.000	30.654	28.893	26.615	26.718	28.273
<b>87.5</b>	29.928	29.722	29.928	29.825	29.411	28.065	26.407	24.647	24.855	26.201
<b>90.0</b>	28.997	28.893	28.997	28.893	28.582	27.547	26.098	24.647	24.751	26.304
<b>92.5</b>	27.547	27.341	27.650	27.444	27.236	25.993	24.647	23.300	23.300	24.337
<b>95.0</b>	25.683	25.580	25.580	25.475	25.061	24.234	23.094	22.265	22.265	22.991
<b>97.5</b>	23.405	23.197	23.508	23.300	22.991	21.954	20.402	19.676	19.470	19.781
<b>100.0</b>	20.713	20.608	20.816	20.505	20.090	19.262	18.227	17.812	17.709	18.227
<b>102.5</b>	18.952	18.847	18.952	19.055	18.330	17.709	16.984	16.466	16.569	17.087
<b>105.0</b>	17.606	17.606	17.501	17.501	17.087	16.466	15.741	15.534	15.326	15.845
<b>107.5</b>	16.260	16.466	16.363	16.260	15.948	15.534	14.913	14.602	14.602	14.913
<b>110.0</b>	15.223	15.326	15.326	15.326	15.017	14.499	14.085	13.877	13.774	14.085
<b>112.5</b>	14.291	14.188	14.291	14.291	14.291	13.877	13.359	13.153	13.153	13.462
<b>115.0</b>	13.567	13.462	13.567	13.567	13.462	13.153	12.738	12.531	12.634	12.945
<b>117.5</b>	12.945	12.945	12.945	12.945	12.738	12.531	12.219	12.013	12.116	12.531
<b>120.0</b>	12.738	12.738	12.634	12.531	12.324	12.116	11.807	11.599	11.702	12.116
<b>122.5</b>	12.531	12.634	12.531	12.427	12.219	11.807	11.495	11.495	11.599	11.910
<b>125.0</b>	12.634	12.738	12.634	12.324	12.116	11.807	11.495	11.392	11.495	12.116
<b>127.5</b>	13.153	13.359	13.048	12.634	12.427	12.013	11.702	11.599	11.599	12.324
<b>130.0</b>	13.670	13.670	13.567	13.256	12.842	12.427	11.910	11.599	11.702	12.324

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**CANDELA TABULATION - (Cont.)**

<b>132.5</b>	13.774	13.980	13.877	13.567	12.945	12.531	12.219	12.013	11.910	12.324
<b>135.0</b>	13.567	13.670	13.567	12.842	12.634	12.219	11.910	11.807	11.599	11.807
<b>137.5</b>	12.013	12.219	12.013	11.910	11.599	11.288	10.873	10.770	10.667	10.667
<b>140.0</b>	10.564	10.667	10.667	10.356	10.149	9.838	9.632	9.632	9.424	9.424
<b>142.5</b>	9.009	9.114	8.906	8.906	8.595	8.492	8.181	8.181	8.285	8.181
<b>145.0</b>	7.663	7.766	7.663	7.560	7.353	7.353	7.249	7.042	7.146	7.042
<b>147.5</b>	6.525	6.525	6.525	6.420	6.525	6.317	6.214	6.110	6.214	6.110
<b>150.0</b>	5.488	5.488	5.488	5.488	5.593	5.385	5.282	5.282	5.179	5.282
<b>152.5</b>	4.660	4.556	4.660	4.453	4.660	4.453	4.453	4.350	4.350	4.453
<b>155.0</b>	3.832	3.832	3.936	3.832	3.936	3.728	3.728	3.624	3.624	3.832
<b>157.5</b>	3.210	3.210	3.210	3.210	3.210	3.107	3.107	3.107	3.004	3.313
<b>160.0</b>	2.692	2.589	2.692	2.692	2.692	2.692	2.692	2.589	2.589	2.900
<b>162.5</b>	2.278	2.278	2.278	2.278	2.278	2.278	2.278	2.175	2.175	2.278
<b>165.0</b>	1.864	1.864	1.864	1.761	1.761	1.761	1.761	1.761	1.761	1.864
<b>167.5</b>	1.346	1.346	1.449	1.346	1.346	1.346	1.346	1.346	1.243	1.449
<b>170.0</b>	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035	1.035
<b>172.5</b>	0.725	0.829	0.829	0.725	0.725	0.725	0.725	0.725	0.725	0.829
<b>175.0</b>	0.621	0.621	0.621	0.621	0.621	0.621	0.621	0.621	0.621	0.621
<b>177.5</b>	0.518	0.518	0.621	0.621	0.518	0.518	0.518	0.518	0.518	0.621
<b>180.0</b>	0.548	0.548	0.548	0.548	0.548	0.548	0.548	0.548	0.548	0.548

**Vert. Angles**      **Horizontal Angles**

	<b>100</b>	<b>110</b>	<b>120</b>	<b>130</b>	<b>140</b>	<b>150</b>	<b>160</b>	<b>170</b>	<b>180</b>	<b>190</b>
<b>0.0</b>	1.024	1.024	1.024	1.024	1.024	1.024	1.024	1.024	1.024	1.024
<b>2.5</b>	1.553	1.657	1.553	1.553	1.553	1.449	1.553	1.553	1.553	1.761
<b>5.0</b>	2.486	2.486	2.486	2.381	2.486	2.381	2.486	2.486	2.589	2.692
<b>7.5</b>	3.418	3.418	3.521	3.418	3.418	3.418	3.624	3.521	3.521	3.624
<b>10.0</b>	4.556	4.556	4.660	13.877	4.453	4.453	4.453	4.556	4.660	4.660
<b>12.5</b>	18.433	5.593	5.385	5.385	5.488	5.385	5.593	5.488	5.593	5.903
<b>15.0</b>	6.628	6.834	6.317	6.525	6.628	6.420	6.525	6.525	6.628	6.834
<b>17.5</b>	7.560	7.663	7.560	7.457	7.353	7.663	7.560	7.663	7.974	7.766
<b>20.0</b>	8.803	8.700	8.700	8.803	8.595	8.595	8.700	8.803	8.803	9.009
<b>22.5</b>	10.564	10.460	10.356	10.356	9.941	10.046	10.149	10.046	10.149	9.941
<b>25.0</b>	14.394	12.945	12.738	12.219	11.495	11.807	11.702	11.392	11.495	11.495
<b>27.5</b>	21.645	25.475	26.718	24.440	20.713	19.573	18.433	13.153	14.085	13.256
<b>30.0</b>	64.621	94.343	72.078	82.124	67.522	52.919	44.220	45.877	35.210	36.142
<b>32.5</b>	168.078	158.034	182.370	146.745	156.583	174.189	165.489	142.395	135.872	126.034
<b>35.0</b>	175.432	276.506	304.779	275.160	196.662	245.128	213.852	190.344	200.079	217.167
<b>37.5</b>	405.647	348.170	390.008	385.452	376.753	362.048	305.193	285.516	280.648	265.115
<b>40.0</b>	394.151	397.776	426.463	415.899	408.339	422.527	405.956	349.516	316.274	387.109
<b>42.5</b>	446.553	444.896	459.084	475.239	418.074	445.517	407.303	363.083	346.514	391.976
<b>45.0</b>	430.294	507.756	470.579	480.003	513.660	526.916	400.779	406.888	455.666	387.420
<b>47.5</b>	443.446	490.669	466.540	448.314	465.504	397.673	458.566	349.930	360.702	432.468
<b>50.0</b>	362.669	418.903	430.501	466.644	414.759	447.174	377.892	375.199	381.931	366.190
<b>52.5</b>	344.339	379.652	389.387	383.691	392.080	413.516	342.164	329.322	316.274	320.313
<b>55.0</b>	322.694	326.836	319.899	326.215	299.704	332.636	316.481	259.523	287.276	278.992
<b>57.5</b>	263.147	278.164	299.186	313.374	290.694	289.556	266.565	246.681	233.322	256.519
<b>60.0</b>	247.510	236.429	241.088	266.462	263.147	239.432	215.095	220.480	175.949	178.539
<b>62.5</b>	174.500	178.848	188.997	160.933	163.419	178.021	168.493	151.198	122.408	129.553
<b>65.0</b>	129.450	128.207	131.936	136.700	130.072	124.168	135.872	117.852	102.525	105.527
<b>67.5</b>	116.609	110.188	110.706	111.431	109.671	109.153	98.072	102.214	86.163	95.689
<b>70.0</b>	85.540	84.816	85.231	82.330	79.535	84.713	84.402	80.052	67.522	74.770
<b>72.5</b>	66.279	64.311	64.415	65.243	67.728	65.347	63.483	61.722	59.030	56.544
<b>75.0</b>	54.783	54.577	53.540	56.647	52.505	51.470	51.884	49.916	46.395	44.945
<b>77.5</b>	42.564	42.873	41.217	42.046	42.046	43.184	42.770	40.389	37.593	35.521

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**CANDELA TABULATION - (Cont.)**

80.0	37.282	37.696	37.799	38.007	38.835	39.871	38.835	37.593	34.382	33.035
82.5	33.450	34.175	33.346	33.658	33.346	33.761	32.518	31.794	28.893	27.444
85.0	28.893	29.619	29.514	29.411	29.411	29.514	28.790	27.754	25.475	24.751
87.5	27.236	27.858	27.650	27.650	27.547	27.547	26.926	25.890	24.129	23.300
90.0	26.926	27.030	26.822	26.615	26.512	26.512	25.890	25.061	23.612	22.991
92.5	25.269	25.475	25.269	25.061	24.855	24.855	24.337	23.508	22.059	21.851
95.0	24.026	24.337	24.337	24.026	23.923	23.715	23.094	22.162	20.816	20.608
97.5	20.816	21.127	21.230	20.919	20.919	20.713	20.505	19.262	18.538	18.123
100.0	18.744	19.159	19.262	19.262	19.159	19.055	18.538	17.606	16.984	16.674
102.5	17.398	17.916	17.916	17.709	17.709	17.501	17.191	16.569	15.948	15.637
105.0	16.260	16.674	16.674	16.569	16.569	16.260	16.155	15.431	14.913	14.705
107.5	15.326	15.637	15.845	15.637	15.534	15.431	15.120	14.499	14.188	13.980
110.0	14.499	14.913	14.913	14.809	14.602	14.499	14.291	13.877	13.359	13.359
112.5	13.877	14.291	14.188	14.085	13.877	13.877	13.567	13.153	12.945	12.842
115.0	13.359	13.670	13.670	13.567	13.462	13.359	13.048	12.634	12.427	12.427
117.5	12.842	13.256	13.567	13.462	13.256	12.945	12.531	12.324	12.013	11.910
120.0	12.634	13.153	13.462	13.462	13.153	12.842	12.427	12.013	11.702	11.702
122.5	12.738	13.359	13.774	13.670	13.359	12.842	12.324	11.910	11.702	11.599
125.0	12.842	13.567	13.980	14.085	13.567	13.153	12.531	12.013	11.702	11.702
127.5	12.945	13.567	14.085	14.188	13.774	13.359	12.634	12.219	11.807	11.910
130.0	12.842	13.462	13.980	13.877	13.670	13.256	12.738	12.219	11.910	12.116
132.5	12.738	13.359	13.670	13.670	13.462	13.256	12.738	12.324	12.219	12.219
135.0	12.219	12.738	12.842	13.048	12.945	12.738	12.324	11.702	11.807	12.013
137.5	10.978	11.495	11.599	11.702	11.392	11.288	10.978	10.356	10.356	10.667
140.0	9.735	10.046	10.252	10.356	10.356	9.941	9.424	9.217	9.217	9.217
142.5	8.389	8.595	8.803	8.803	8.700	8.492	8.285	7.974	7.871	8.077
145.0	7.249	7.353	7.560	7.457	7.457	7.249	6.939	6.834	6.731	6.834
147.5	6.214	6.317	6.420	6.525	6.420	6.317	6.007	5.903	5.799	5.903
150.0	5.385	5.488	5.593	5.593	5.593	5.385	5.179	5.074	4.971	4.867
152.5	4.660	4.764	4.764	4.764	4.764	4.556	4.453	4.350	4.247	4.039
155.0	3.936	4.039	4.142	4.039	4.039	3.832	3.832	3.728	3.624	3.521
157.5	3.313	3.418	3.418	3.418	3.313	3.210	3.210	3.107	3.107	3.004
160.0	2.796	2.900	2.900	2.796	2.796	2.796	2.692	2.589	2.486	2.486
162.5	2.381	2.381	2.381	2.278	2.278	2.278	2.175	2.175	2.175	2.175
165.0	1.761	1.761	1.761	1.761	1.761	1.761	1.761	1.657	1.761	1.657
167.5	1.346	1.346	1.243	1.243	1.243	1.243	1.346	1.346	1.346	1.346
170.0	0.932	1.035	0.932	0.932	0.932	1.035	0.932	1.035	0.932	0.829
172.5	0.829	0.725	0.725	0.829	0.725	0.725	0.725	0.829	0.829	0.829
175.0	0.725	0.621	0.621	0.725	0.621	0.621	0.621	0.621	0.621	0.621
177.5	0.518	0.518	0.518	0.518	0.518	0.518	0.621	0.518	0.518	0.621
180.0	0.548	0.548	0.548	0.548	0.548	0.548	0.548	0.548	0.548	0.548

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	1.024	1.024	1.024	1.024	1.024	1.024	1.024	1.024	1.024	1.024
2.5	1.761	1.864	1.761	1.761	1.657	1.761	1.657	1.657	1.553	1.553
5.0	2.589	2.796	2.796	2.796	2.692	2.589	2.381	2.381	2.381	2.486
7.5	3.728	3.832	3.936	3.936	4.039	3.832	3.728	3.728	3.521	3.418
10.0	4.971	5.282	5.385	5.385	5.385	5.282	5.074	5.179	4.764	4.764
12.5	8.181	6.317	6.939	13.980	6.731	6.214	6.214	6.214	5.903	6.214
15.0	7.146	7.457	7.663	7.560	7.457	6.939	7.249	7.146	7.042	7.146
17.5	7.974	8.285	8.285	8.389	8.389	7.974	8.077	7.974	8.285	7.871
20.0	9.009	9.320	9.320	9.424	9.424	9.114	9.217	9.009	9.217	9.009
22.5	10.460	10.564	11.081	11.081	11.288	10.667	10.873	10.770	10.667	10.460
25.0	11.910	13.048	14.809	13.774	18.538	12.738	13.774	18.123	17.916	12.427

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : BOLQF1X22U3K.IES**

**CANDELA TABULATION - (Cont.)**

27.5	14.188	19.159	21.748	24.440	18.641	20.505	22.369	19.055	18.227	24.026
30.0	55.509	56.855	62.654	84.194	98.693	51.676	81.502	76.739	53.230	52.816
32.5	100.868	116.920	195.005	145.813	131.419	176.261	174.500	74.978	146.953	149.749
35.0	181.231	280.442	231.976	266.565	303.847	294.215	276.403	287.173	226.694	212.817
37.5	341.024	319.381	367.019	423.148	382.862	356.249	416.728	439.303	361.219	362.151
40.0	404.715	366.087	428.430	406.164	455.769	496.158	474.307	398.916	424.494	353.866
42.5	395.083	457.944	439.614	507.550	468.507	487.874	482.798	457.323	474.515	480.520
45.0	441.789	449.763	461.776	517.905	524.533	463.848	512.106	557.673	475.861	468.818
47.5	373.232	440.443	465.089	505.789	497.504	449.866	468.404	521.738	499.472	426.566
50.0	406.371	386.280	388.249	382.862	431.951	483.938	454.631	377.995	400.779	414.656
52.5	310.578	369.608	337.608	378.720	347.446	369.297	388.558	406.888	333.775	318.967
55.0	276.817	282.720	304.882	317.827	333.775	306.435	316.584	352.105	327.873	276.195
57.5	247.510	256.519	247.406	289.245	310.267	319.484	285.827	281.270	278.370	252.791
60.0	208.364	217.891	210.745	229.386	220.998	217.062	213.335	216.856	211.885	226.694
62.5	131.004	144.467	157.205	168.286	164.351	156.273	163.314	177.502	154.513	155.962
65.0	112.674	128.312	143.017	145.607	144.156	150.680	149.128	142.292	148.506	137.010
67.5	93.826	102.732	112.778	112.363	113.916	117.128	118.991	118.783	117.023	117.955
70.0	75.393	86.680	87.198	89.684	85.437	88.130	90.304	95.172	95.275	98.693
72.5	61.100	72.286	75.185	73.010	72.492	74.150	74.874	80.155	82.433	82.745
75.0	48.155	55.405	58.408	58.719	56.129	59.341	59.962	64.104	66.279	66.796
77.5	38.835	44.634	46.291	45.153	46.291	46.914	47.431	51.573	52.505	51.470
80.0	35.210	38.939	40.286	40.492	40.181	40.700	41.838	42.978	43.807	43.392
82.5	29.619	32.415	33.761	33.658	33.864	33.658	34.589	36.350	37.799	37.282
85.0	26.304	28.582	30.343	30.136	30.447	30.551	31.172	32.000	32.415	32.103
87.5	24.751	26.822	27.961	28.582	28.790	28.790	29.308	29.825	30.033	29.514
90.0	24.337	26.201	27.547	28.582	28.479	28.790	28.582	28.790	28.582	27.961
92.5	22.680	24.440	25.580	26.201	25.993	25.993	26.615	27.444	27.341	26.718
95.0	21.127	22.369	22.886	23.300	23.300	23.612	23.715	24.129	24.337	24.234
97.5	18.538	19.676	20.816	21.437	21.645	21.954	22.059	22.576	22.576	21.851
100.0	17.087	17.916	18.538	19.366	19.470	19.884	20.298	20.713	20.402	19.676
102.5	15.948	16.569	17.295	17.916	18.227	18.433	18.538	18.952	18.641	18.020
105.0	15.017	15.534	16.260	16.674	16.880	17.295	17.295	17.501	17.295	16.880
107.5	14.188	14.705	15.431	15.741	16.052	16.155	16.260	16.363	16.260	15.741
110.0	13.462	13.980	14.499	14.809	15.120	15.120	15.326	15.431	15.223	14.809
112.5	12.842	13.256	13.877	14.085	14.499	14.394	14.602	14.499	14.291	13.877
115.0	12.427	12.738	13.256	13.567	13.774	13.877	13.980	13.774	13.670	13.256
117.5	12.013	12.427	12.842	13.153	13.462	13.567	13.567	13.462	13.048	12.634
120.0	11.807	12.116	12.634	12.945	13.359	13.567	13.567	13.256	12.842	12.324
122.5	11.702	12.013	12.531	13.153	13.567	13.774	13.670	13.359	12.842	12.219
125.0	11.807	12.219	12.842	13.462	13.877	14.188	13.980	13.462	12.842	12.116
127.5	12.116	12.531	13.048	13.774	14.188	14.499	14.291	13.670	13.048	12.219
130.0	12.324	12.738	13.359	14.085	14.602	15.017	14.499	13.877	13.256	12.531
132.5	12.427	12.738	13.462	14.085	14.705	14.913	14.499	13.877	13.256	12.738
135.0	11.807	12.013	12.531	13.153	13.567	13.567	13.256	13.048	12.634	12.013
137.5	10.667	10.770	11.288	11.599	11.910	11.910	11.495	11.599	11.288	10.873
140.0	9.320	9.320	9.735	10.046	10.149	10.046	9.941	9.941	9.838	9.527
142.5	7.974	7.871	8.181	8.389	8.492	8.492	8.492	8.492	8.285	8.077
145.0	6.731	6.939	7.042	7.042	7.146	7.146	7.146	7.249	7.146	6.939
147.5	5.799	5.903	5.903	6.007	6.007	6.007	6.110	6.007	6.007	6.007
150.0	4.971	5.074	4.971	5.074	5.074	5.074	5.074	5.074	5.074	5.074
152.5	4.039	4.142	4.247	4.247	4.142	4.247	4.247	4.350	4.247	4.247
155.0	3.521	3.418	3.418	3.521	3.521	3.624	3.624	3.624	3.624	3.521
157.5	3.004	3.004	3.004	3.107	3.107	3.107	3.107	3.107	3.004	3.004
160.0	2.589	2.589	2.589	2.589	2.692	2.692	2.692	2.486	2.589	2.486
162.5	2.175	2.175	2.175	2.278	2.278	2.175	2.278	2.175	2.072	1.967
165.0	1.657	1.657	1.761	1.761	1.761	1.761	1.864	1.553	1.657	1.657

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : BOLQF1X22U3K.IES**

**CANDELA TABULATION - (Cont.)**

<b>167.5</b>	1.243	1.243	1.243	1.346	1.346	1.243	1.346	1.140	1.243	1.243
<b>170.0</b>	0.932	1.035	1.035	0.932	0.932	0.932	0.932	0.932	0.932	0.932
<b>172.5</b>	0.725	0.725	0.725	0.725	0.725	0.829	0.725	0.725	0.725	0.725
<b>175.0</b>	0.621	0.621	0.621	0.621	0.621	0.621	0.621	0.621	0.621	0.621
<b>177.5</b>	0.518	0.621	0.621	0.518	0.518	0.518	0.518	0.621	0.518	0.621
<b>180.0</b>	0.548	0.548	0.548	0.548	0.548	0.548	0.548	0.548	0.548	0.548

**Vert. Horizontal Angles**  
**Angles**

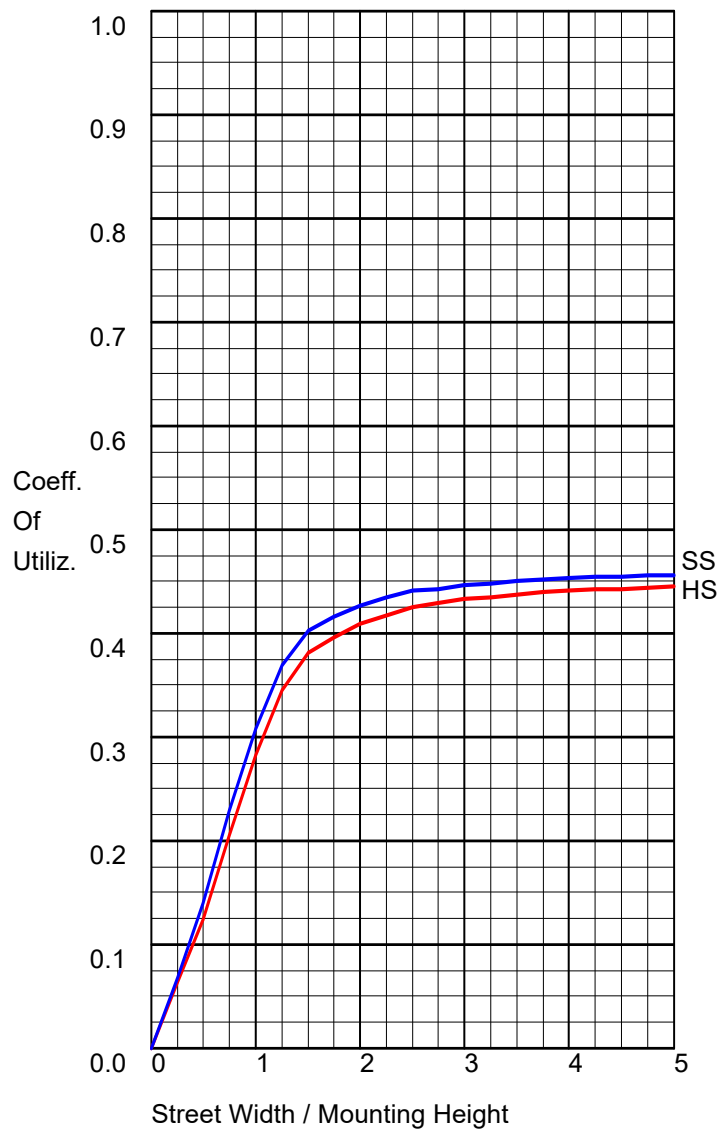
	<b>300</b>	<b>310</b>	<b>320</b>	<b>330</b>	<b>340</b>	<b>350</b>	<b>360</b>
<b>0.0</b>	1.024	1.024	1.024	1.024	1.024	1.024	1.024
<b>2.5</b>	1.449	1.553	1.553	1.449	1.346	1.449	1.346
<b>5.0</b>	2.278	2.381	2.175	2.278	2.175	2.278	2.278
<b>7.5</b>	3.418	3.313	3.210	3.107	3.210	3.107	3.210
<b>10.0</b>	4.453	4.556	4.350	4.142	4.247	4.142	4.142
<b>12.5</b>	5.696	5.593	5.385	5.282	5.074	5.074	5.799
<b>15.0</b>	6.731	6.628	6.525	6.317	6.110	6.110	6.214
<b>17.5</b>	7.871	7.560	7.353	7.146	7.042	6.939	7.042
<b>20.0</b>	8.803	8.285	8.285	8.181	7.974	7.766	7.871
<b>22.5</b>	9.941	9.527	9.320	9.320	9.009	8.803	8.906
<b>25.0</b>	14.291	11.288	11.081	11.288	10.356	10.252	10.356
<b>27.5</b>	17.191	13.462	14.499	16.569	11.807	12.116	11.910
<b>30.0</b>	48.155	41.321	45.567	30.654	24.026	32.207	36.142
<b>32.5</b>	107.082	81.398	93.722	139.910	112.570	129.141	135.975
<b>35.0</b>	196.351	186.099	197.386	207.224	204.843	224.001	196.557
<b>37.5</b>	335.536	318.035	295.355	266.047	254.655	338.125	325.595
<b>40.0</b>	339.886	411.964	346.099	335.950	404.196	394.048	403.678
<b>42.5</b>	353.037	409.168	448.831	400.157	445.102	466.126	417.245
<b>45.0</b>	455.251	460.741	425.323	456.080	432.262	513.867	476.999
<b>47.5</b>	406.682	379.135	425.634	383.588	420.455	427.809	445.310
<b>50.0</b>	356.352	376.960	376.753	399.640	372.404	453.595	433.608
<b>52.5</b>	379.549	347.031	373.647	339.368	354.902	370.643	366.501
<b>55.0</b>	264.493	265.011	276.195	301.154	295.250	318.862	355.006
<b>57.5</b>	222.034	246.163	257.451	252.791	266.668	280.959	276.195
<b>60.0</b>	218.616	218.408	208.156	202.357	221.101	234.150	218.823
<b>62.5</b>	158.758	128.415	142.189	158.966	178.953	175.846	193.968
<b>65.0</b>	114.434	114.953	121.166	141.153	146.435	151.095	158.966
<b>67.5</b>	106.461	105.632	105.424	118.266	124.583	128.207	131.419
<b>70.0</b>	90.098	92.273	92.479	98.072	104.596	104.181	109.049
<b>72.5</b>	74.046	74.150	76.117	83.056	86.887	84.091	84.505
<b>75.0</b>	62.551	59.444	59.754	67.004	68.142	67.004	66.072
<b>77.5</b>	48.984	46.809	47.326	52.919	54.991	53.851	53.748
<b>80.0</b>	40.906	38.628	39.146	43.392	45.463	46.188	45.463
<b>82.5</b>	35.936	34.072	35.313	39.043	39.871	40.286	39.663
<b>85.0</b>	30.965	29.100	29.825	32.000	32.726	33.346	32.932
<b>87.5</b>	28.065	26.822	26.926	28.790	29.619	29.825	29.928
<b>90.0</b>	26.512	25.787	25.890	27.650	28.376	29.100	28.997
<b>92.5</b>	25.372	24.544	24.647	26.098	26.926	27.444	27.547
<b>95.0</b>	23.405	23.300	23.508	24.855	25.890	25.890	25.683
<b>97.5</b>	20.816	20.298	20.816	21.748	22.991	23.300	23.405
<b>100.0</b>	18.952	18.330	18.744	19.262	20.090	20.505	20.713
<b>102.5</b>	17.398	17.087	17.295	17.709	18.433	18.847	18.952
<b>105.0</b>	16.155	15.948	16.052	16.569	17.191	17.398	17.606
<b>107.5</b>	15.223	14.913	15.120	15.637	16.052	16.363	16.260
<b>110.0</b>	14.394	14.188	14.291	14.602	15.017	15.326	15.223
<b>112.5</b>	13.567	13.462	13.462	13.774	14.085	14.291	14.291

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : BOLQF1X22U3K.IES**

**CANDELA TABULATION - (Cont.)**

<b>115.0</b>	12.842	12.738	12.738	13.048	13.256	13.462	13.567
<b>117.5</b>	12.324	12.219	12.324	12.427	12.738	12.945	12.945
<b>120.0</b>	12.013	11.807	11.910	12.116	12.324	12.531	12.738
<b>122.5</b>	11.807	11.599	11.599	11.807	12.116	12.427	12.531
<b>125.0</b>	11.702	11.392	11.495	11.702	12.219	12.427	12.634
<b>127.5</b>	11.807	11.599	11.702	11.807	12.531	12.945	13.153
<b>130.0</b>	12.013	12.116	12.013	12.219	12.738	13.359	13.670
<b>132.5</b>	12.324	12.324	12.116	12.324	12.945	13.462	13.774
<b>135.0</b>	11.910	11.910	12.013	12.013	12.531	13.256	13.567
<b>137.5</b>	10.667	10.873	10.770	10.873	11.392	11.807	12.013
<b>140.0</b>	9.424	9.527	9.527	9.735	9.735	10.149	10.564
<b>142.5</b>	8.077	8.181	8.285	8.389	8.595	8.803	9.009
<b>145.0</b>	6.939	7.042	7.146	7.249	7.457	7.560	7.663
<b>147.5</b>	6.007	6.007	6.214	6.317	6.317	6.525	6.525
<b>150.0</b>	5.074	5.074	5.179	5.179	5.385	5.488	5.488
<b>152.5</b>	4.350	4.247	4.350	4.453	4.453	4.556	4.660
<b>155.0</b>	3.624	3.624	3.624	3.624	3.728	3.728	3.832
<b>157.5</b>	3.004	3.107	3.004	3.107	3.107	3.107	3.210
<b>160.0</b>	2.381	2.381	2.486	2.589	2.589	2.589	2.692
<b>162.5</b>	2.072	2.072	2.072	2.175	2.072	2.175	2.278
<b>165.0</b>	1.657	1.657	1.657	1.657	1.761	1.761	1.864
<b>167.5</b>	1.243	1.243	1.243	1.243	1.346	1.243	1.346
<b>170.0</b>	0.829	0.932	0.932	0.932	0.932	1.140	1.035
<b>172.5</b>	0.725	0.725	0.725	0.725	0.725	0.725	0.725
<b>175.0</b>	0.621	0.621	0.621	0.621	0.621	0.621	0.621
<b>177.5</b>	0.518	0.518	0.518	0.518	0.518	0.518	0.518
<b>180.0</b>	0.548	0.548	0.548	0.548	0.548	0.548	0.548

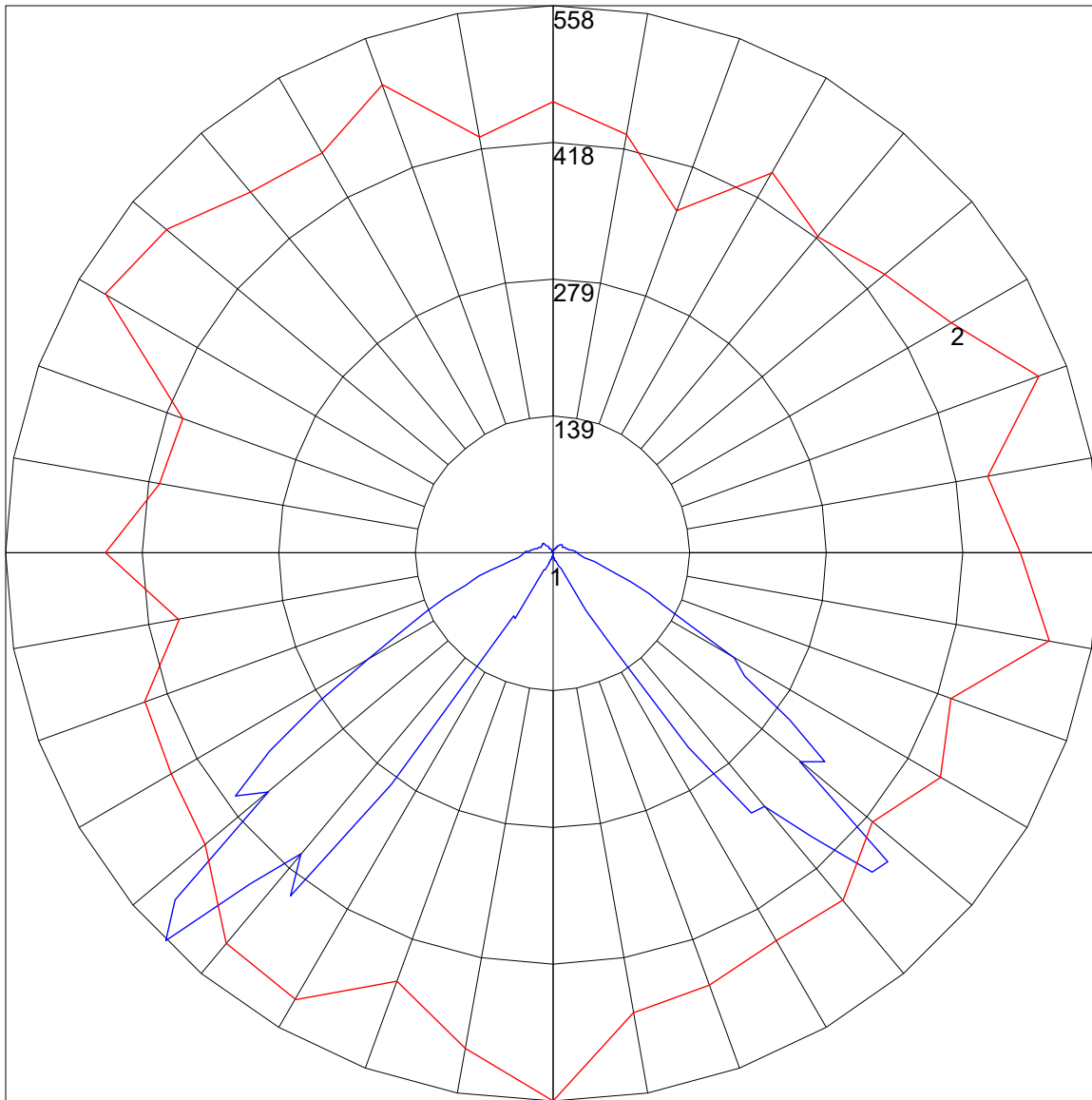
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

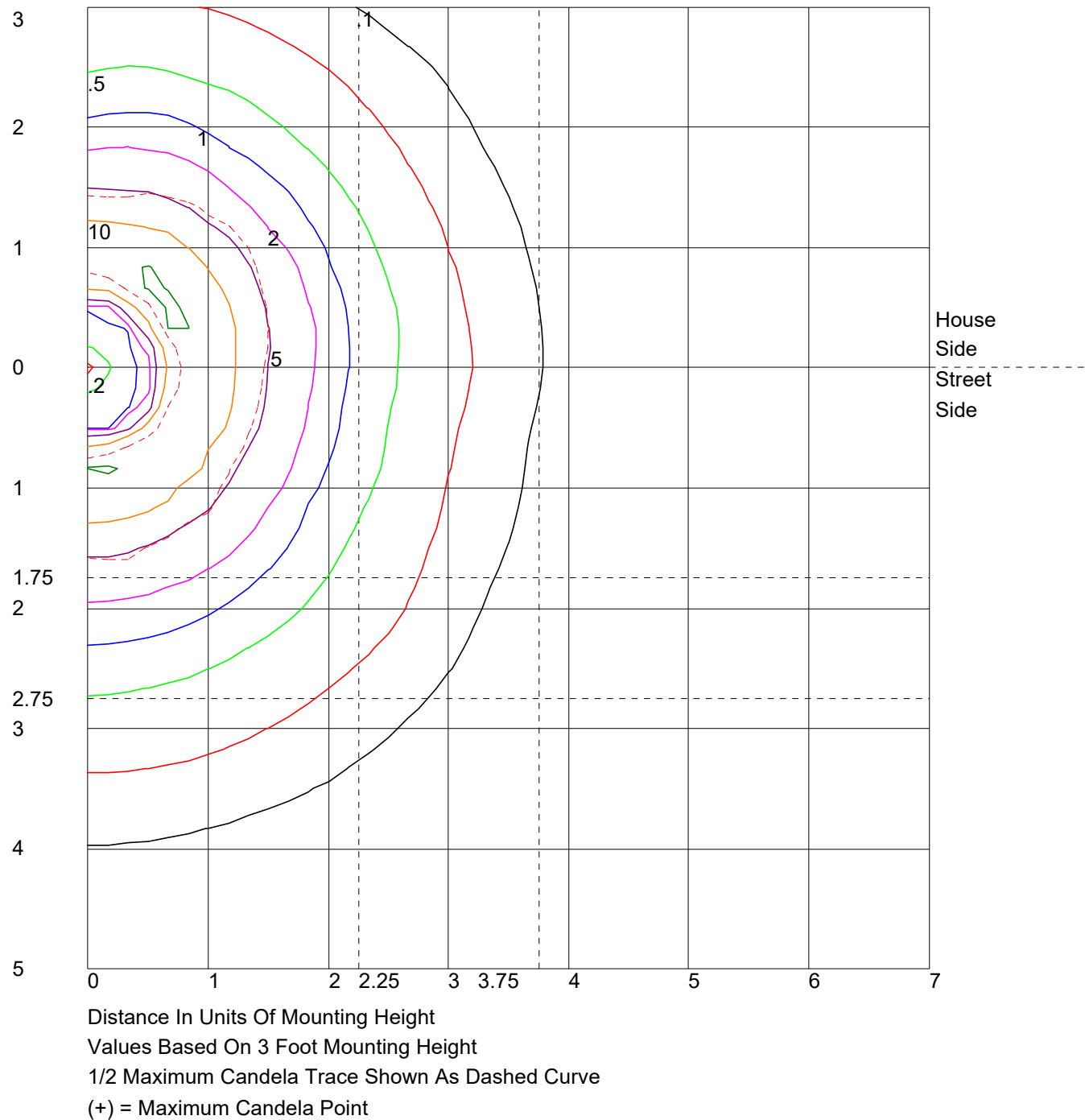
	Lumens	Percent Of Luminaire
Downward Street Side	499.7	45.7
Downward House Side	510.5	46.6
Downward Total	1010.2	92.3
Upward Street Side	42.3	3.9
Upward House Side	41.8	3.8
Upward Total	84.1	7.7
Total Flux	1094.3	100.0

POLAR GRAPH

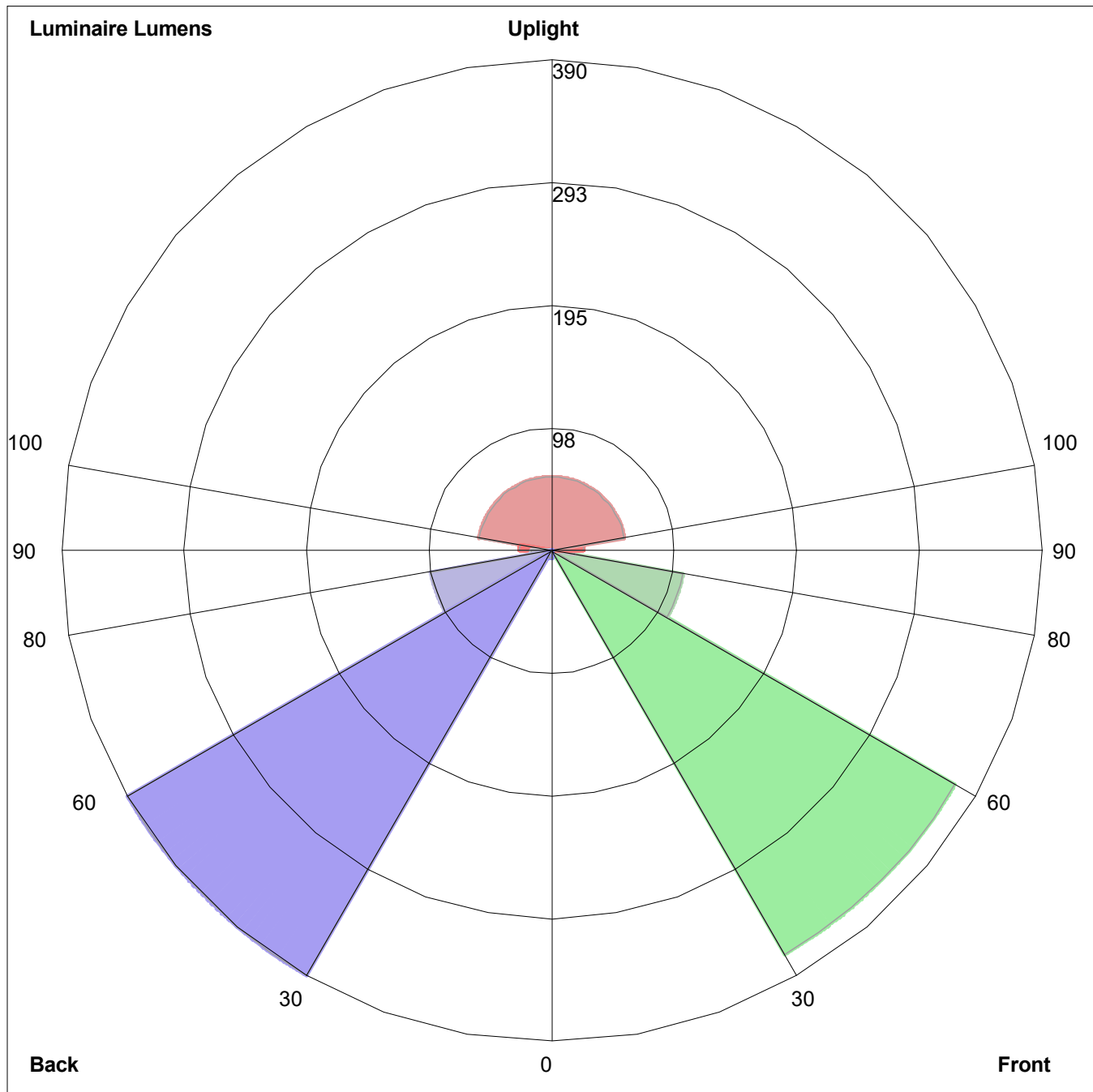


Maximum Candela = 557.673 Located At Horizontal Angle = 270, Vertical Angle = 45  
# 1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=4.8, Medium=371.0, High=106.0, Very High=17.9  
Back: Low=6.1, Medium=390.2, High=97.6, Very High=16.5  
Uplight: Low=25.5, High=58.6

BUG Rating : B1-U3-G1