



8165 E Kaiser Blvd. Anaheim, CA 92808
www.lightlaboratory.com

Report No: L031901501



Report No: L031901501

Issue Date: 3/7/2019

Report Prepared For: SPJ Lighting Inc
2107 Chico Ave, South El Monte, CA 91733

Model Number: SPJMSL2-12

Test: Photometric/Electrical Test

Standards Used: Appropriate part or all test guidelines were used for test performed:

IESNA LM79: 2008 Approved Methods for Electrical and Photometric Measurements of Solid-State Lighting Products

ANSI NEMA ANSLG C78.377: 2008 Specification of the Chromaticity of Solid State Lighting Products

ANSI C82.77:2002: Harmonic Emission Limits-Related Quality Requirements for Lighting Equipment

Description of Sample: Client submitted the sample. Received in working and undamaged condition. No modifications were necessary.

Special Test Condition: Fixture is tested with no special conditions.

Sample Arrival Date: 3/6/19

Date of Tests: 3/7/19 - 3/7/19

Seasoning of Sample: No seasoning was performed in accordance with IESNA LM-79.

Equipment List

Equipment Used	Model No	Stock No	Calibration Due Date
Chroma Programmable AC Source	61604	PS-AC02	--
Yokogawa Digital Power Meter	WT210	MT-EL06-S4	1/9/21
BK PRECISION	1747	PS-DC04	1/10/21
Fluke Digital Thermometer	52K/J	MT-TP05	1/10/21
LLI Type C Goniophotometer System	RMG-C-MKII	CD-LL04-GC	--
LLI 2M Sphere	2MR97	CD-SN03-S2	--
LLI Spectroradiometer	SPR-3000	MT-SC01-S2	Before Use

General Information

Manufacturer:	SPJ Lighting Inc
Model Number:	SPJMSL2-12
Driver Model Number:	EAGLERISE EEP60SE

Photometric & Electrical Test Results

Total Lumens:	11.40
Efficacy:	1.89
Input Voltage (VAC/60Hz):	119.99
Input Current (Amp):	0.0635
Input Power (W):	6.04
Input Power Factor:	0.7928
Current ATHD (%):	54.8%

Test Condition

Ambient Temperature (°C):	25.0
Stabilization Time (Hours):	0:50
Total Operating Time (Hours):	1:20

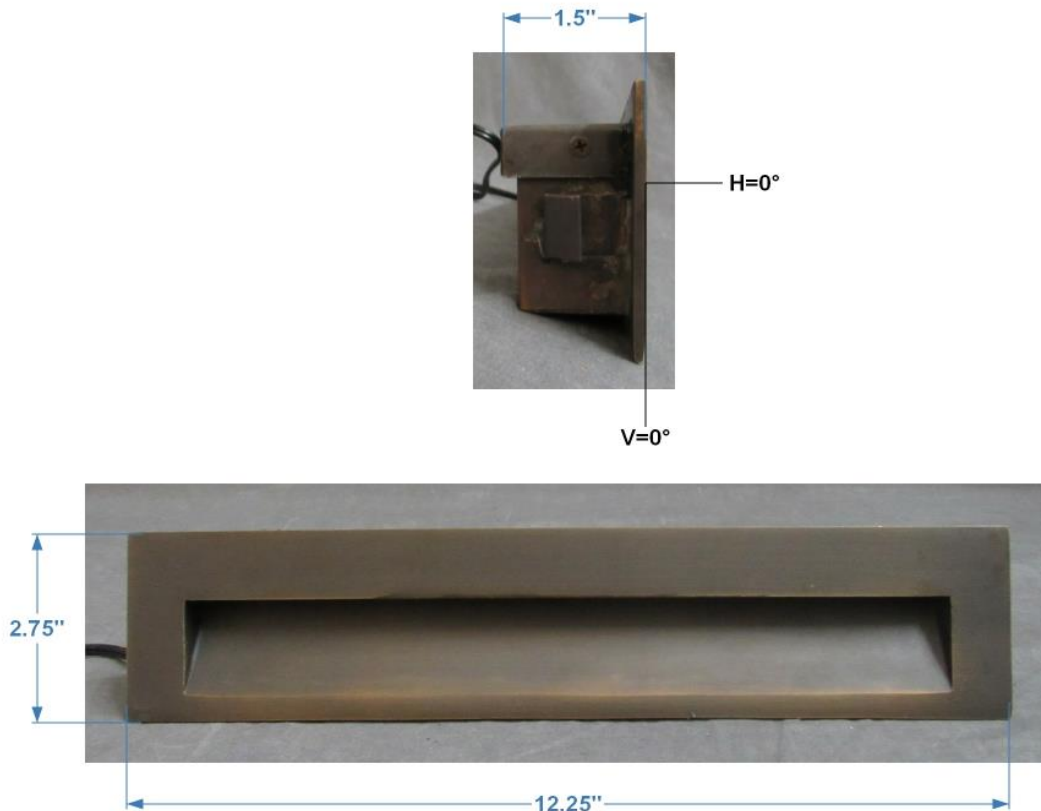


FIG. 1 LUMINAIRE

Test Methods

Photometric Measurements - Goniophotometer

A Custom Light Laboratory Type C Rotating Mirror Goniophotometer was used to measure candelas(intensity) at each angle of distribution as defined by IESNA for the appropriate fixture type.

Ambient temperature is set to 25°C and is measured from the center of the fixture, within 1ft from the outside of the fixture. Temperature is maintained at 25°C throughout the testing process and the sample is stabilized for at least 30mins and longer as necessary for the sample to achieve stabilization.

Electrical measurements are measured using the listed equipment.

Spectral Measurements - Integrating Sphere

A Sensing Spectroradiometer SPR-3000, in conjunction with Light Laboratory 2 meter integrating sphere was used to measure chromaticity coordinates, correlated color temperature(CCT) and the color rendering index(CRI) for each sample.

Ambient temperature is set to 25°C and is measured from the center of the fixture, within 1ft from the outside of the fixture. Temperature is maintained at 25°C throughout the testing process and the sample is stabilized for at least 30mins and longer as necessary for the sample to achieve stabilization.

Electrical measurements are measured using the listed equipment.

Disclaimers:

This report must not be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST or any agency of Federal Government.

Report Prepared by : Dennis Malonzo

Test Report Reviewed by:



Steve Kang
Quality Assurance

**Attached are photometric data reports. Total number of pages: 14*



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Photometric Test Report

IES ROAD REPORT
PHOTOMETRIC FILENAME : L031901501.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L031901501
 [TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
 [ISSUEDATE] 03/07/2019
 [MANUFAC] SPJ Lighting Inc
 [LUMCAT] SPJMSL2-12
 [LUMINAIRE] Recess Light Led.
 [BALLASTCAT] EAGLERISE EEP60SE
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
 [INPUT] 119.99VAC, 6.04W
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	2
Total Luminaire Watts	6.04
Ballast Factor	1.00
Upward Waste Light Ratio	0.03
Maximum Candela	9.466
Maximum Candela Angle	0H 30V
Maximum Candela (<90 Degrees Vertical)	9.466
Maximum Candela Angle (<90 Degrees Vertical)	0H 30V
Maximum Candela At 90 Degrees Vertical	.538 (4.9% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.956 (17.8% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT
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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1.0	N.A.	9.1
FM - Front-Medium (30-60)	6.4	N.A.	55.3
FH - Front-High (60-80)	3.3	N.A.	28.5
FVH - Front-Very High (80-90)	0.5	N.A.	4.0
BL - Back-Low (0-30)	0.0	N.A.	0.0
BM - Back-Medium (30-60)	0.0	N.A.	0.0
BH - Back-High (60-80)	0.0	N.A.	0.0
BVH - Back-Very High (80-90)	0.0	N.A.	0.0
UL - Uplight-Low (90-100)	0.1	N.A.	1.3
UH - Uplight-High (100-180)	0.2	N.A.	1.3
Total	11.5	N.A.	100.0
BUG Rating	B0-U1-G0		

ZONAL LUMEN SUMMARY

Zone	%
0-20	1.7
0-30	9.1
0-40	24.6
0-60	64.7
0-80	93.3
0-90	97.3
10-90	97.3
20-40	22.9
20-50	42.6
40-70	57.4
60-80	28.7
70-80	11.4
80-90	4
90-110	2
90-120	2.4
90-130	2.6
90-150	2.6
90-180	2.6
110-180	0.6
0-180	100

IES ROAD REPORT
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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035
5.0	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035
7.5	0.489	0.484	0.468	0.442	0.406	0.361	0.306	0.242	0.169	0.089
10.0	0.943	0.943	0.915	0.881	0.832	0.771	0.698	0.616	0.521	0.414
12.5	1.607	1.607	1.556	1.492	1.404	1.293	1.163	1.014	0.880	0.747
15.0	2.410	2.410	2.335	2.242	2.114	1.952	1.754	1.541	1.339	1.116
17.5	3.353	3.353	3.250	3.121	2.947	2.727	2.460	2.187	1.882	1.559
20.0	4.471	4.471	4.329	4.157	3.922	3.618	3.271	2.920	2.521	2.123
22.5	5.763	5.770	5.590	5.369	5.061	4.662	4.229	3.747	3.234	2.743
25.0	7.440	7.380	7.185	6.873	6.431	5.868	5.332	4.697	4.079	3.419
27.5	9.361	9.257	8.986	8.552	8.013	7.422	6.667	5.810	5.025	4.227
30.0	9.466	9.431	9.379	9.294	9.197	8.781	8.072	7.240	6.074	5.122
32.5	9.396	9.367	9.327	9.271	9.186	9.074	8.924	8.317	7.477	6.123
35.0	9.256	9.240	9.198	9.146	9.070	8.954	8.828	8.664	8.243	7.303
37.5	9.081	9.066	9.034	8.976	8.906	8.785	8.653	8.496	8.342	8.019
40.0	8.872	8.858	8.829	8.774	8.697	8.597	8.463	8.318	8.150	7.955
42.5	8.627	8.615	8.576	8.522	8.438	8.354	8.242	8.095	7.938	7.758
45.0	8.348	8.337	8.313	8.253	8.175	8.081	7.977	7.850	7.678	7.549
47.5	8.033	8.020	7.993	7.943	7.869	7.762	7.678	7.564	7.406	7.240
50.0	7.684	7.666	7.626	7.589	7.523	7.433	7.346	7.234	7.117	6.964
52.5	7.300	7.278	7.243	7.197	7.141	7.064	6.995	6.875	6.796	6.643
55.0	6.881	6.867	6.855	6.790	6.718	6.659	6.605	6.496	6.418	6.302
57.5	6.427	6.418	6.419	6.352	6.300	6.242	6.200	6.106	6.029	5.910
60.0	5.973	5.961	5.938	5.880	5.865	5.802	5.763	5.712	5.620	5.508
62.5	5.502	5.490	5.457	5.410	5.399	5.350	5.311	5.243	5.199	5.093
65.0	5.030	5.016	4.967	4.926	4.907	4.861	4.838	4.782	4.734	4.657
67.5	4.506	4.501	4.470	4.434	4.429	4.390	4.369	4.327	4.295	4.179
70.0	3.982	3.982	3.966	3.932	3.924	3.906	3.886	3.867	3.817	3.753
72.5	3.493	3.497	3.459	3.455	3.428	3.407	3.399	3.377	3.323	3.288
75.0	3.004	3.018	2.956	2.969	2.955	2.933	2.911	2.878	2.821	2.806
77.5	2.480	2.478	2.437	2.460	2.456	2.432	2.400	2.403	2.337	2.343
80.0	1.956	1.869	1.836	1.849	1.857	1.850	1.839	1.891	1.905	1.868
82.5	1.328	1.220	1.176	1.146	1.188	1.235	1.268	1.343	1.364	1.334
85.0	0.699	0.761	0.726	0.704	0.697	0.754	0.781	0.858	0.888	0.907
87.5	0.619	0.593	0.590	0.591	0.575	0.559	0.559	0.563	0.559	0.592
90.0	0.538	0.524	0.524	0.524	0.507	0.507	0.472	0.472	0.437	0.419
92.5	0.479	0.466	0.458	0.456	0.438	0.430	0.419	0.396	0.383	0.358
95.0	0.419	0.408	0.408	0.409	0.385	0.381	0.364	0.343	0.327	0.301
97.5	0.384	0.377	0.372	0.358	0.338	0.326	0.311	0.296	0.276	0.250
100.0	0.349	0.324	0.323	0.320	0.305	0.283	0.273	0.253	0.236	0.213
102.5	0.297	0.291	0.286	0.283	0.268	0.251	0.237	0.214	0.214	0.188
105.0	0.244	0.254	0.256	0.247	0.236	0.227	0.211	0.191	0.183	0.168
107.5	0.227	0.229	0.227	0.213	0.209	0.202	0.183	0.172	0.150	0.133
110.0	0.210	0.206	0.204	0.194	0.183	0.180	0.156	0.151	0.132	0.109
112.5	0.193	0.189	0.172	0.180	0.160	0.165	0.134	0.133	0.123	0.093
115.0	0.175	0.172	0.152	0.162	0.147	0.139	0.123	0.123	0.105	0.088
117.5	0.158	0.155	0.140	0.138	0.133	0.121	0.123	0.105	0.089	0.088
120.0	0.140	0.137	0.124	0.119	0.119	0.109	0.105	0.089	0.088	0.088
122.5	0.123	0.120	0.110	0.114	0.105	0.099	0.088	0.088	0.088	0.071
125.0	0.105	0.104	0.099	0.104	0.090	0.088	0.088	0.085	0.071	0.056
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES ROAD REPORT
PHOTOMETRIC FILENAME : L031901501.IES

CANDELA TABULATION - (Cont.)

140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles
Angles

	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	<u>95</u>
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.000	0.000
5.0	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.000	0.000
7.5	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.000	0.000
10.0	0.296	0.168	0.035	0.035	0.035	0.035	0.035	0.035	0.000	0.000
12.5	0.599	0.437	0.264	0.082	0.035	0.035	0.035	0.035	0.000	0.000
15.0	0.898	0.702	0.494	0.276	0.050	0.035	0.035	0.035	0.000	0.000
17.5	1.272	0.978	0.724	0.473	0.211	0.041	0.040	0.038	0.000	0.000
20.0	1.696	1.326	0.958	0.671	0.373	0.065	0.047	0.041	0.000	0.000
22.5	2.232	1.712	1.268	0.869	0.537	0.195	0.060	0.048	0.000	0.000
25.0	2.809	2.194	1.600	1.094	0.703	0.324	0.078	0.058	0.000	0.000
27.5	3.432	2.700	1.999	1.375	0.867	0.455	0.104	0.071	0.000	0.000
30.0	4.164	3.256	2.429	1.664	1.026	0.583	0.136	0.088	0.000	0.000
32.5	4.955	3.873	2.895	2.004	1.248	0.717	0.235	0.110	0.000	0.000
35.0	5.903	4.562	3.406	2.378	1.495	0.852	0.337	0.134	0.000	0.000
37.5	6.853	5.343	3.948	2.790	1.740	0.978	0.429	0.156	0.000	0.000
40.0	7.482	6.274	4.590	3.197	2.003	1.099	0.518	0.180	0.000	0.000
42.5	7.534	6.929	5.304	3.656	2.316	1.231	0.598	0.194	0.000	0.000
45.0	7.318	6.999	5.939	4.163	2.651	1.424	0.677	0.207	0.000	0.000
47.5	7.062	6.843	6.257	4.750	2.995	1.634	0.771	0.225	0.000	0.000
50.0	6.761	6.557	6.265	5.234	3.378	1.853	0.871	0.244	0.000	0.000
52.5	6.468	6.254	5.974	5.523	3.819	2.074	0.968	0.268	0.000	0.000
55.0	6.133	5.940	5.674	5.372	4.186	2.298	1.064	0.292	0.000	0.000
57.5	5.773	5.602	5.381	5.075	4.393	2.575	1.176	0.314	0.000	0.000
60.0	5.404	5.218	5.030	4.759	4.340	2.877	1.293	0.337	0.000	0.000
62.5	5.025	4.834	4.643	4.419	4.111	3.066	1.428	0.359	0.000	0.000
65.0	4.581	4.433	4.267	3.998	3.762	3.132	1.569	0.383	0.000	0.000
67.5	4.130	3.977	3.874	3.595	3.384	2.961	1.693	0.414	0.000	0.000
70.0	3.645	3.522	3.417	3.232	2.987	2.686	1.813	0.445	0.000	0.000
72.5	3.197	3.096	2.962	2.844	2.611	2.348	1.710	0.468	0.000	0.000
75.0	2.749	2.653	2.559	2.431	2.240	1.989	1.563	0.490	0.000	0.000
77.5	2.289	2.227	2.142	2.022	1.867	1.667	1.316	0.478	0.000	0.000
80.0	1.820	1.817	1.721	1.615	1.489	1.355	1.047	0.472	0.000	0.000
82.5	1.353	1.390	1.299	1.242	1.161	1.025	0.806	0.377	0.000	0.000
85.0	0.931	0.899	0.892	0.888	0.858	0.687	0.546	0.280	0.000	0.000
87.5	0.618	0.580	0.594	0.594	0.560	0.453	0.369	0.175	0.000	0.000
90.0	0.402	0.367	0.332	0.315	0.262	0.227	0.192	0.070	0.000	0.000
92.5	0.333	0.303	0.261	0.228	0.188	0.155	0.121	0.061	0.000	0.000
95.0	0.274	0.242	0.199	0.152	0.120	0.087	0.053	0.053	0.000	0.000
97.5	0.228	0.189	0.159	0.123	0.091	0.068	0.053	0.053	0.000	0.000
100.0	0.191	0.158	0.129	0.101	0.068	0.053	0.053	0.053	0.000	0.000
102.5	0.161	0.133	0.109	0.089	0.059	0.053	0.052	0.035	0.000	0.000
105.0	0.139	0.120	0.098	0.076	0.053	0.053	0.051	0.018	0.000	0.000

IES ROAD REPORT
PHOTOMETRIC FILENAME : L031901501.IES

CANDELA TABULATION - (Cont.)

107.5	0.117	0.105	0.088	0.065	0.053	0.053	0.052	0.035	0.000	0.000
110.0	0.102	0.091	0.080	0.057	0.051	0.053	0.053	0.051	0.000	0.000
112.5	0.091	0.085	0.068	0.053	0.044	0.053	0.051	0.043	0.000	0.000
115.0	0.088	0.073	0.057	0.053	0.043	0.051	0.049	0.035	0.000	0.000
117.5	0.085	0.057	0.053	0.053	0.049	0.045	0.046	0.026	0.000	0.000
120.0	0.064	0.053	0.053	0.053	0.052	0.040	0.043	0.018	0.000	0.000
122.5	0.053	0.053	0.053	0.053	0.049	0.047	0.035	0.018	0.000	0.000
125.0	0.053	0.053	0.053	0.053	0.041	0.045	0.029	0.018	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles

	<u>100</u>	<u>105</u>	<u>110</u>	<u>115</u>	<u>120</u>	<u>125</u>	<u>130</u>	<u>135</u>	<u>140</u>	<u>145</u>
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES ROAD REPORT
PHOTOMETRIC FILENAME : L031901501.IES

CANDELA TABULATION - (Cont.)

82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles **Horizontal Angles**

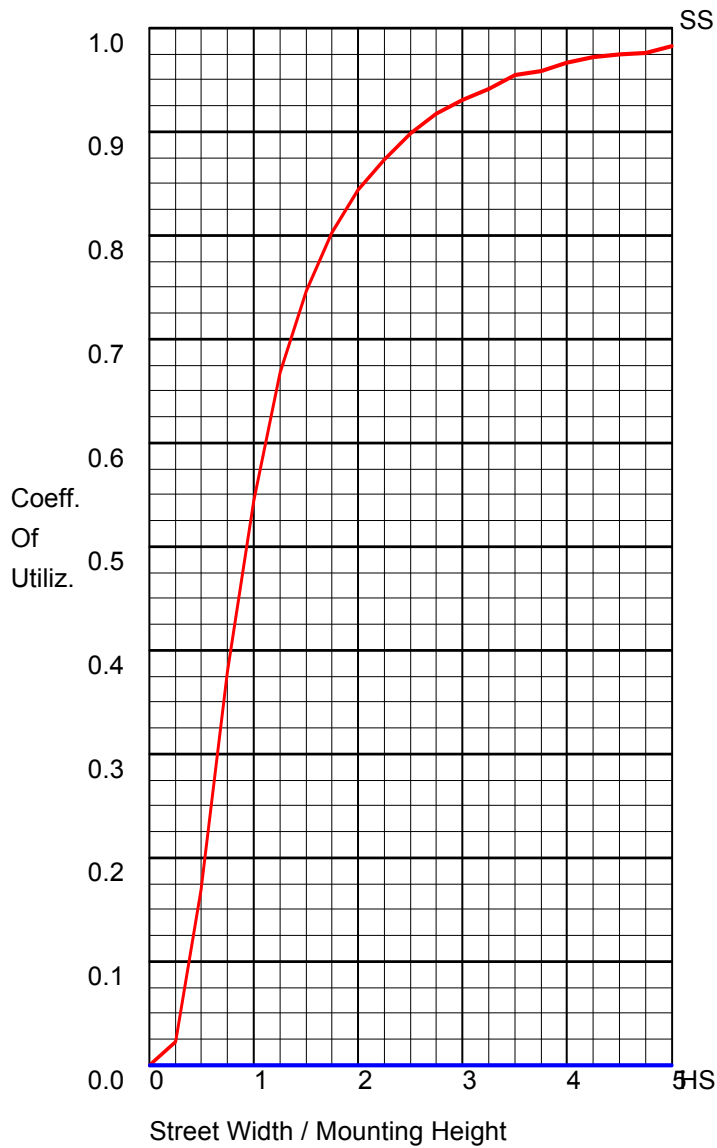
	<u>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES ROAD REPORT
PHOTOMETRIC FILENAME : L031901501.IES

CANDELA TABULATION - (Cont.)

57.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

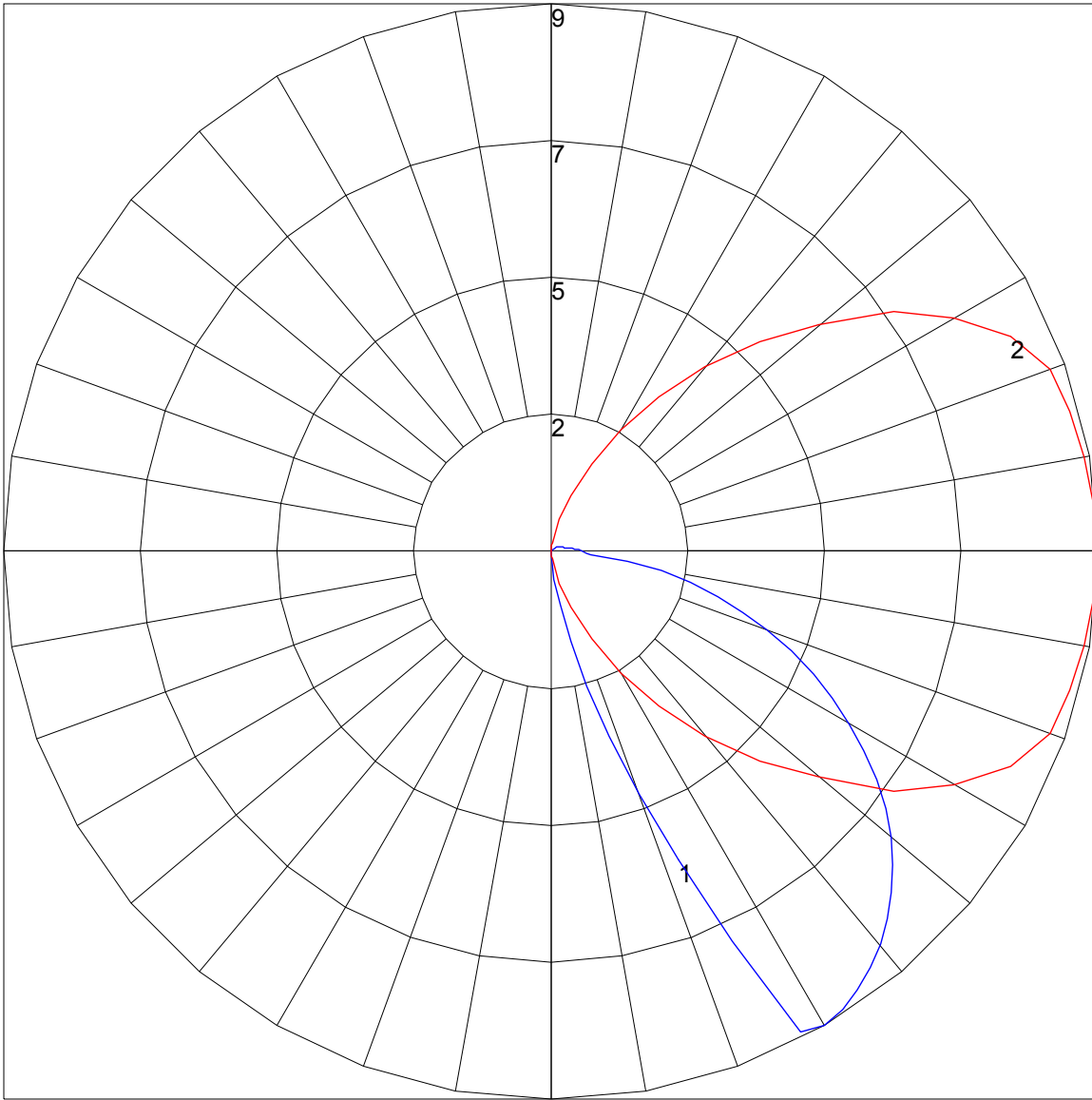
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

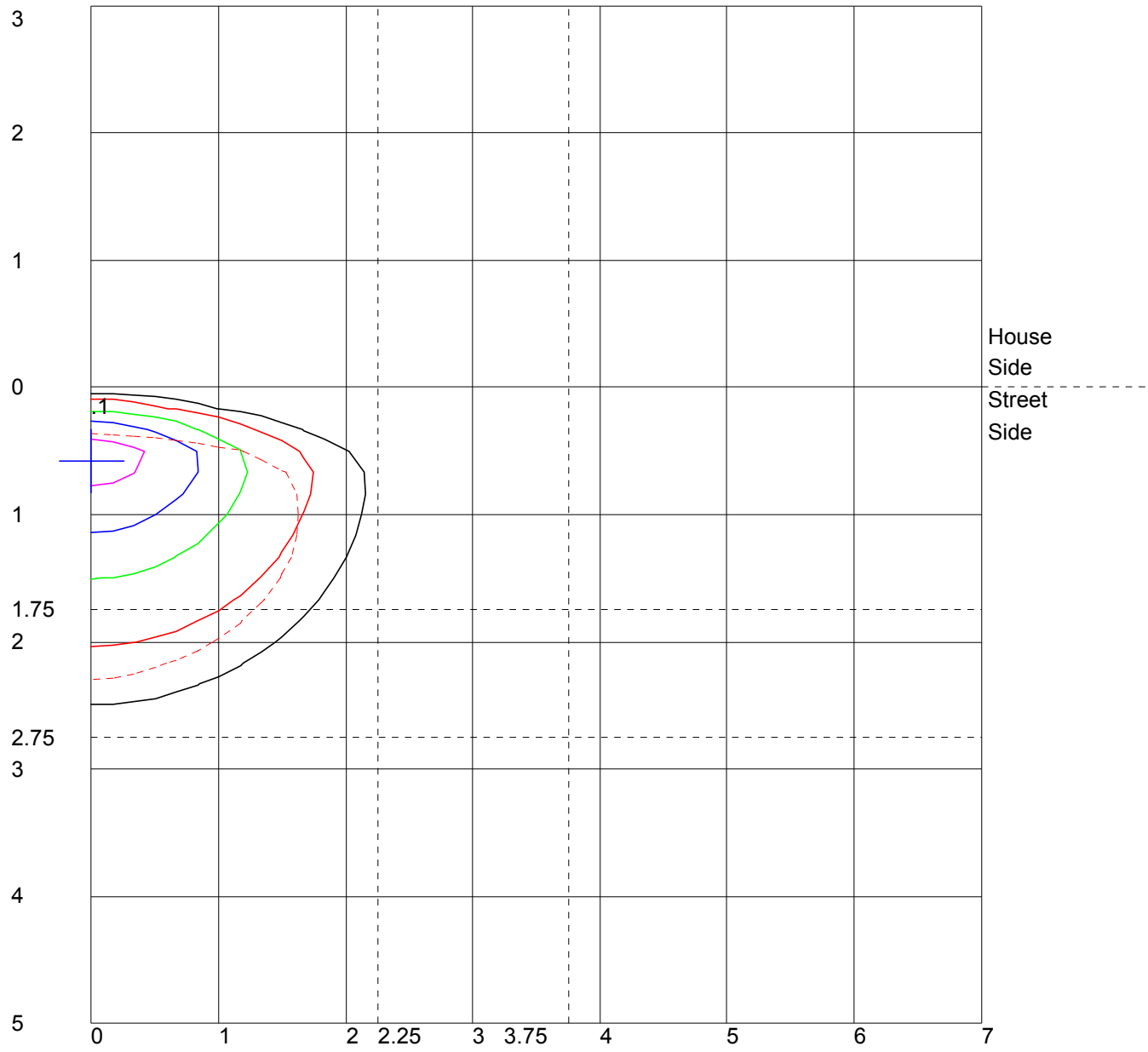
	Lumens	Percent Of Luminaire
Downward Street Side	11.1	97.4
Downward House Side	0.0	0.0
Downward Total	11.1	97.0
Upward Street Side	0.3	2.6
Upward House Side	0.0	0.0
Upward Total	0.3	2.6
Total Flux	11.4	99.6

POLAR GRAPH



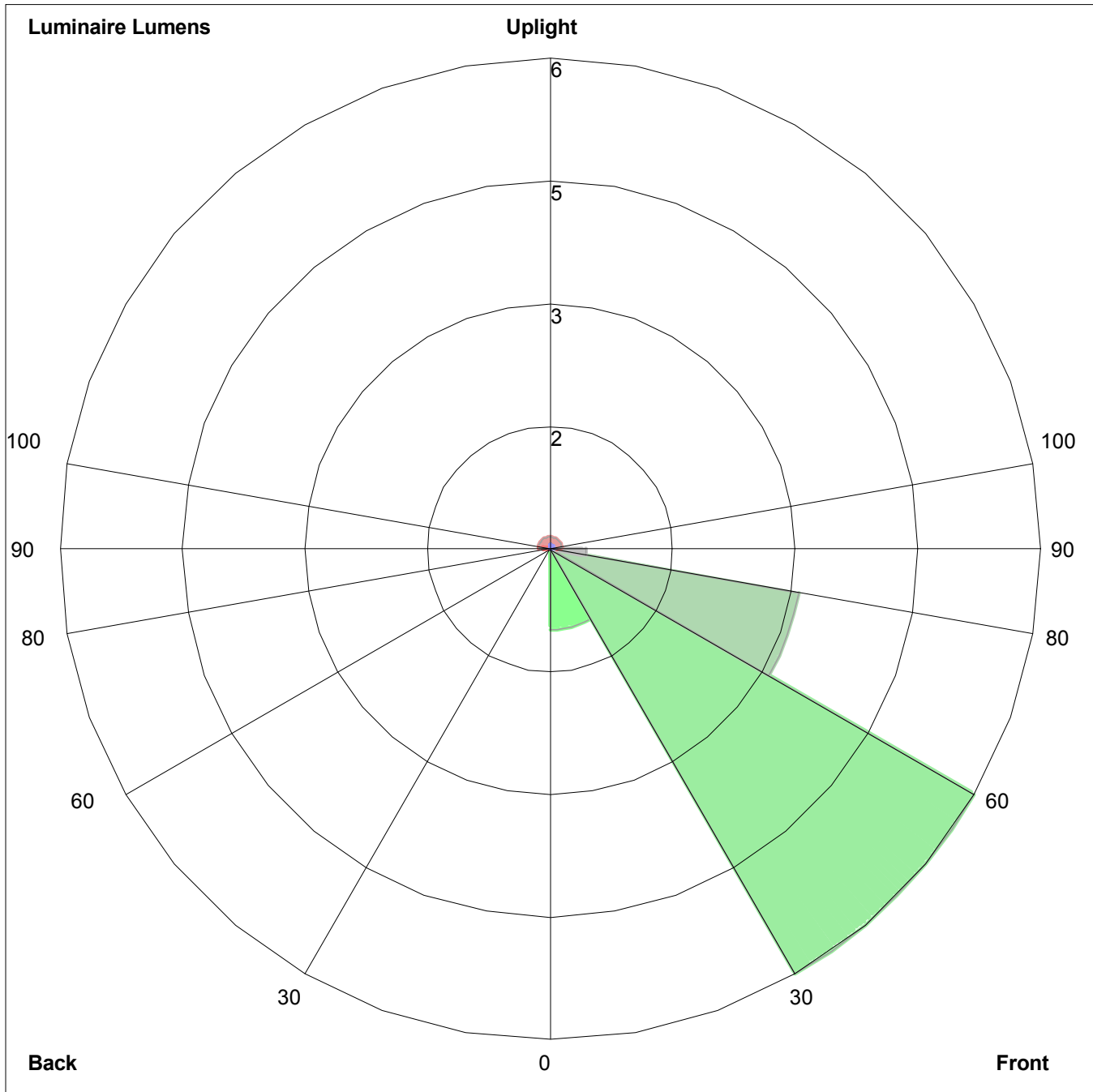
Maximum Candela = 9.466 Located At Horizontal Angle = 0, Vertical Angle = 30
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height
 Values Based On 1.5 Foot Mounting Height
 1/2 Maximum Candela Trace Shown As Dashed Curve
 (+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1.0, Medium=6.4, High=3.3, Very High=0.5
Back: Low=0.0, Medium=0.0, High=0.0, Very High=0.0
Uplight: Low=0.1, High=0.2

BUG Rating : B0-U1-G0