



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

Report No: L081911002



**Report No:** L081911002

**Issue Date:** 10/23/2019

**Report Prepared For:** Dreamscape Lighting  
5521 Washignton Blvd. Los Angeles, CA 90016

**Model Number:** DLED 129

**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:** 10/17/19

**Date of Tests:** 10/18/19 - 10/23/19

**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**

<b>Manufacturer:</b>	Dreamscape Lighting
<b>Model Number:</b>	DLED 129
<b>Driver Model Number:</b>	N/A

**Photometric & Electrical Test Results**

<b>Total Lumens:</b>	109.00
<b>Efficacy:</b>	44.11
<b>Input Voltage (VAC/60Hz):</b>	12.01
<b>Input Current (Amp):</b>	0.2818
<b>Input Power (W):</b>	2.47
<b>Input Power Factor:</b>	0.7301
<b>Current ATHD (%):</b>	64.9%

**Test Condition**

<b>Ambient Temperature (°C):</b>	25.0
<b>Stabilization Time (Hours):</b>	0:50
<b>Total Operating Time (Hours):</b>	1:25

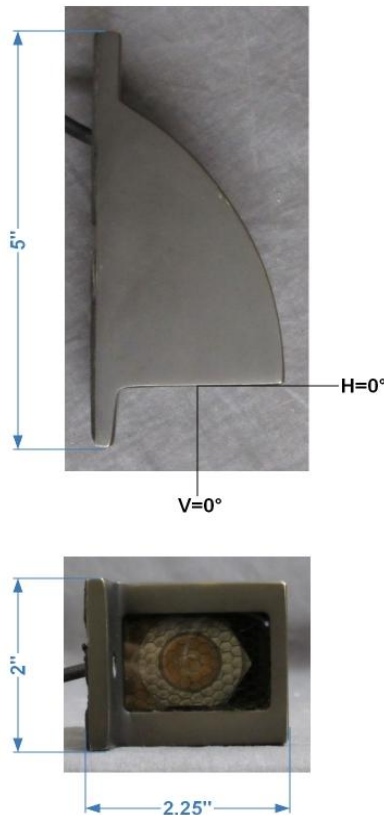


FIG. 1 LUMINAIRE

## 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: 11*



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# Photometric Test Report

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : L081911002.IES**

## DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] L081911002  
 [TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)  
 [ISSUEDATE] 10/23/2019  
 [MANUFAC] Dreamscape Lighting  
 [LUMCAT] DLED 129  
 [LUMINAIRE] MESA SCONCE  
 [BALLASTCAT] N/A  
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND  
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.  
 [INPUT] 12.01VAC, 2.47W  
 [TEST PROCEDURE] IESNA:LM-79-08

## CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	109
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	44
Total Luminaire Watts	2.47
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1880
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	1880
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : L081911002.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

**ZONAL LUMEN SUMMARY**

	Lumens	% Lamp	% Luminaire	Zone	%
FL - Front-Low (0-30)	53.3	N.A.	49.0		
FM - Front-Medium (30-60)	1.1	N.A.	1.0	0-20	92.4
FH - Front-High (60-80)	0.0	N.A.	0.0	0-30	97.9
FVH - Front-Very High (80-90)	0.0	N.A.	0.0	0-40	99.7
BL - Back-Low (0-30)	53.3	N.A.	49.0	0-60	100
BM - Back-Medium (30-60)	1.1	N.A.	1.0	0-80	100
BH - Back-High (60-80)	0.0	N.A.	0.0	0-90	100
BVH - Back-Very High (80-90)	0.0	N.A.	0.0	10-90	31.5
UL - Uplight-Low (90-100)	0.0	N.A.	0.0	20-40	7.3
UH - Uplight-High (100-180)	0.0	N.A.	0.0	20-50	7.6
				40-70	0.3
Total	108.8	N.A.	100.0	60-80	0
				70-80	0
BUG Rating	B0-U0-G0			80-90	0
				90-110	0
				90-120	0
				90-130	0
				90-150	0
				90-180	0
				110-180	0
				0-180	100

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : L081911002.IES**

**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	1880	1880	1880	1880	1880	1880	1880	1880	1880	1880
0.5	1851	1853	1852	1855	1857	1856	1856	1857	1858	1859
1.0	1809	1812	1813	1812	1813	1813	1814	1816	1820	1824
1.5	1732	1736	1738	1736	1741	1743	1744	1749	1753	1759
2.0	1657	1656	1654	1657	1655	1657	1665	1669	1676	1683
2.5	1564	1560	1562	1565	1566	1570	1575	1582	1590	1595
3.0	1471	1473	1469	1470	1473	1478	1479	1485	1492	1499
3.5	1394	1394	1395	1397	1389	1394	1395	1398	1402	1401
4.0	1320	1320	1322	1321	1318	1314	1315	1311	1308	1303
4.5	1247	1251	1251	1248	1244	1238	1232	1222	1214	1202
5.0	1178	1173	1170	1170	1161	1148	1140	1126	1107	1089
6.0	965	960	957	948	937	922	902	874	857	840
7.0	719	717	713	708	702	691	677	667	656	645
8.0	563	560	558	554	546	534	524	514	506	496
9.0	437	436	432	428	422	415	408	398	389	381
10.0	332	330	327	324	319	315	311	306	298	291
12.5	161	161	161	160	159	157	154	150	148	146
15.0	83	83	82	81	81	80	80	80	80	78
17.5	46	45	44	43	43	43	44	43	43	42
20.0	27	27	27	27	29	29	29	28	28	28
25.0	10	10	11	11	11	11	12	12	12	11
30.0	5	5	5	5	5	6	6	6	6	6
35.0	2	2	2	3	3	3	3	3	3	3
40.0	1	1	1	1	1	1	2	2	2	2
45.0	0	0	0	0	0	0	0	0	0	0
50.0	0	0	0	0	0	0	0	0	0	0
55.0	0	0	0	0	0	0	0	0	0	0
60.0	0	0	0	0	0	0	0	0	0	0
65.0	0	0	0	0	0	0	0	0	0	0
70.0	0	0	0	0	0	0	0	0	0	0
75.0	0	0	0	0	0	0	0	0	0	0
80.0	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0

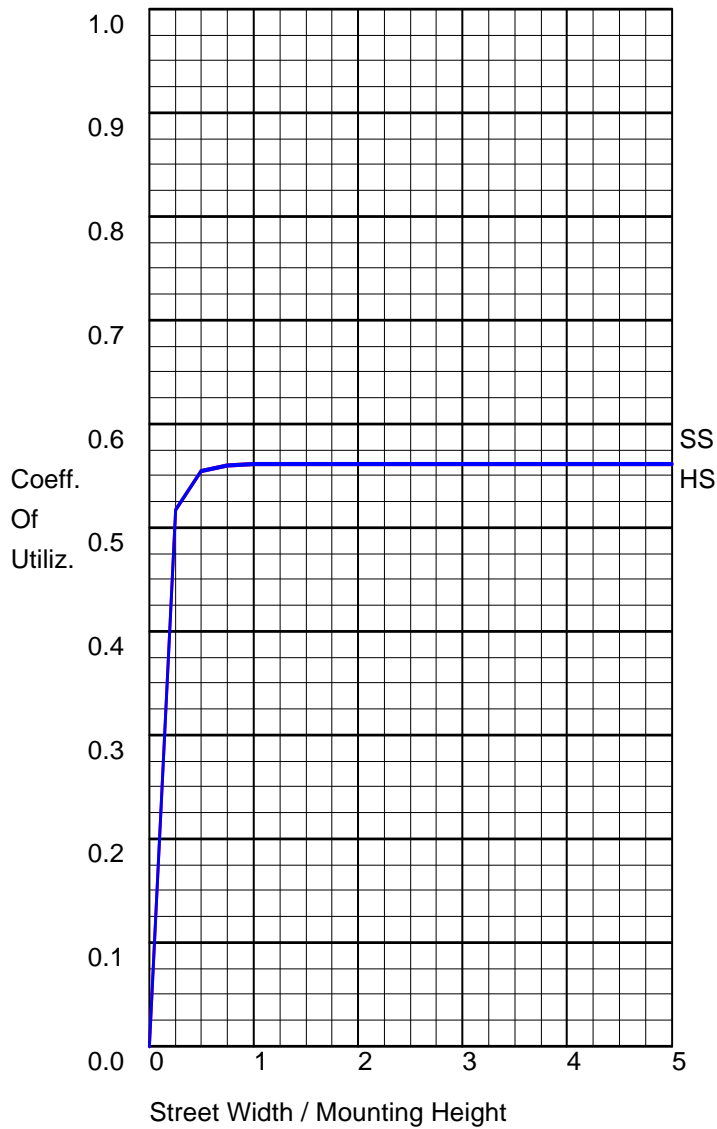
Vert. Angles	Horizontal Angles									
	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	
0.0	1880	1880	1880	1880	1880	1880	1880	1880	1880	
0.5	1860	1863	1864	1864	1863	1862	1863	1863	1863	
1.0	1827	1831	1832	1835	1836	1837	1840	1841	1840	
1.5	1767	1776	1782	1787	1792	1799	1803	1804	1806	
2.0	1689	1699	1708	1719	1728	1736	1741	1744	1744	
2.5	1604	1614	1621	1630	1639	1646	1653	1661	1665	
3.0	1503	1511	1518	1521	1531	1537	1540	1544	1545	
3.5	1399	1402	1401	1403	1401	1402	1398	1396	1395	
4.0	1302	1290	1283	1272	1264	1256	1245	1245	1238	
4.5	1188	1173	1152	1132	1118	1109	1092	1088	1092	
5.0	1064	1041	1017	997	979	969	958	950	949	
6.0	821	801	783	766	756	743	734	731	726	
7.0	633	618	607	597	591	582	576	574	571	
8.0	485	474	464	458	452	449	449	448	449	
9.0	370	360	351	344	341	339	340	341	342	

**IES ROAD REPORT**  
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**CANDELA TABULATION - (Cont.)**

<b>10.0</b>	282	273	265	258	253	252	252	253	253
<b>12.5</b>	144	140	134	129	123	119	117	117	116
<b>15.0</b>	76	73	70	68	67	66	66	66	65
<b>17.5</b>	41	40	39	39	39	38	38	37	37
<b>20.0</b>	27	26	25	25	24	23	22	21	21
<b>25.0</b>	11	11	11	11	11	11	11	11	11
<b>30.0</b>	6	6	5	5	5	6	6	6	6
<b>35.0</b>	3	3	3	3	3	3	3	3	3
<b>40.0</b>	2	2	1	1	2	2	2	2	2
<b>45.0</b>	0	0	0	0	0	0	0	0	0
<b>50.0</b>	0	0	0	0	0	0	0	0	0
<b>55.0</b>	0	0	0	0	0	0	0	0	0
<b>60.0</b>	0	0	0	0	0	0	0	0	0
<b>65.0</b>	0	0	0	0	0	0	0	0	0
<b>70.0</b>	0	0	0	0	0	0	0	0	0
<b>75.0</b>	0	0	0	0	0	0	0	0	0
<b>80.0</b>	0	0	0	0	0	0	0	0	0
<b>85.0</b>	0	0	0	0	0	0	0	0	0
<b>90.0</b>	0	0	0	0	0	0	0	0	0

**COEFFICIENTS OF UTILIZATION**

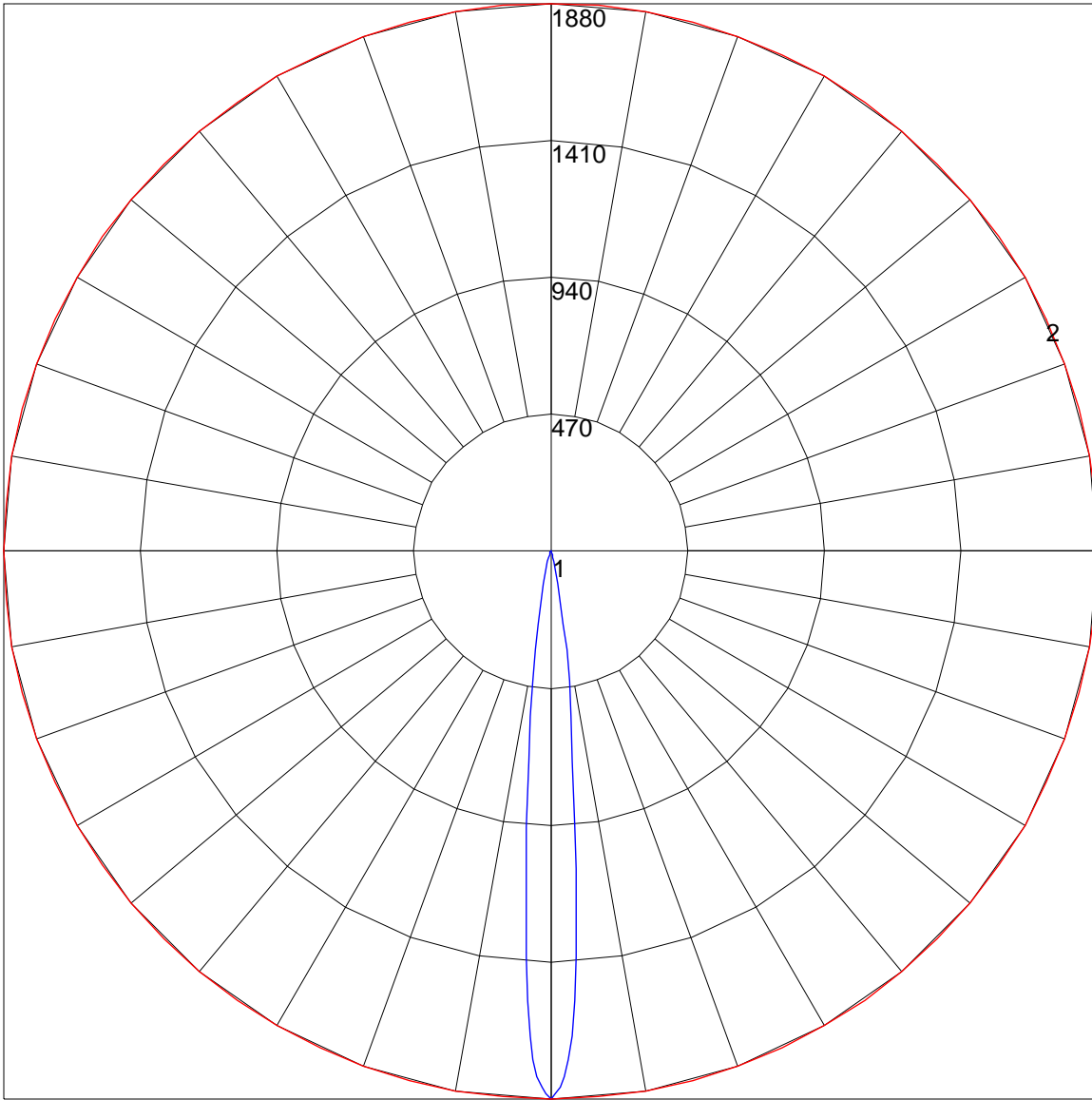


**FLUX DISTRIBUTION**

	Lumens	Percent Of Luminaire
Downward Street Side	54.5	50.0
Downward House Side	54.5	50.0
Downward Total	109.0	100.1
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
<b>Total Flux</b>	<b>109.0</b>	<b>100.1</b>

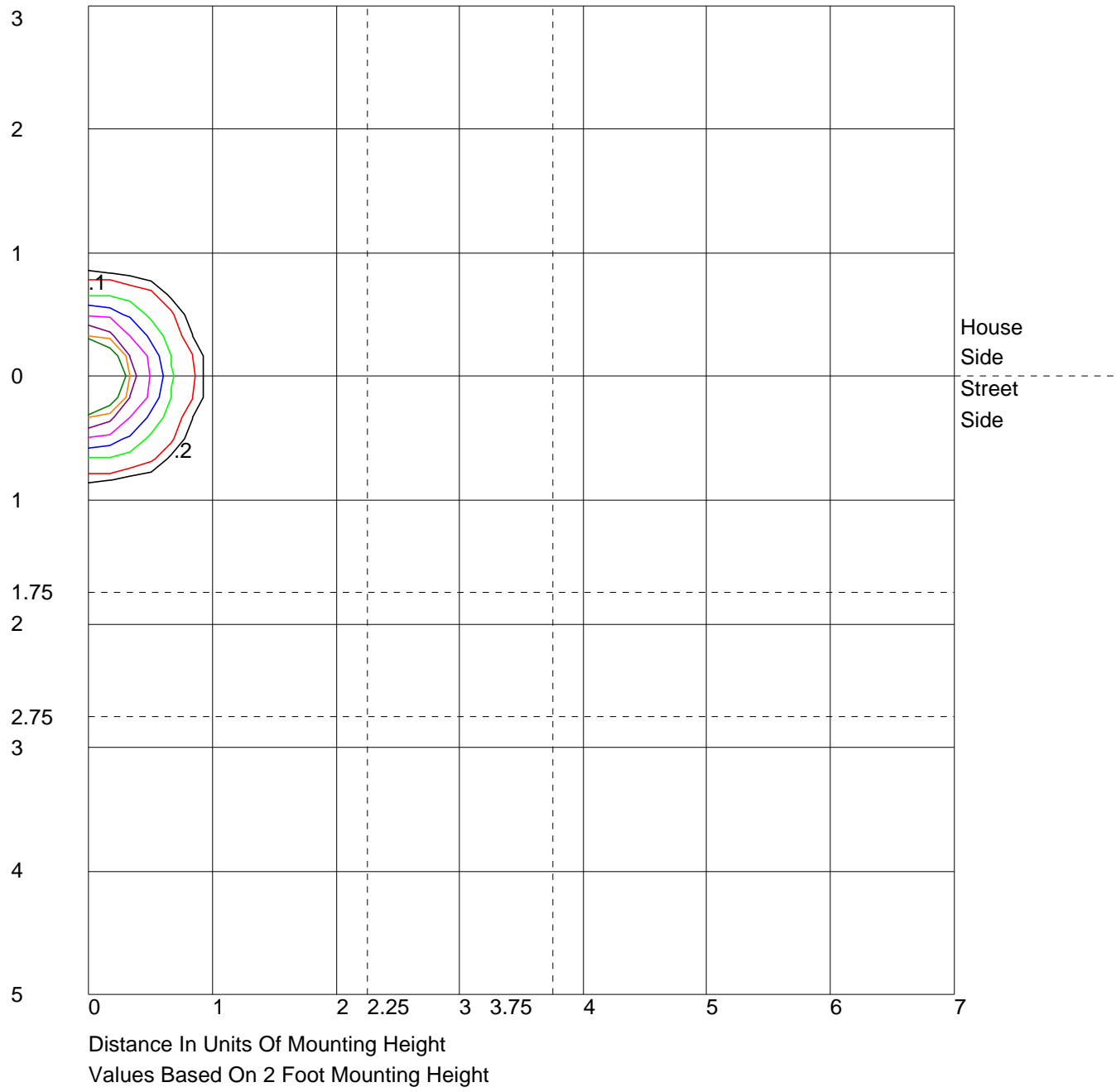


POLAR GRAPH

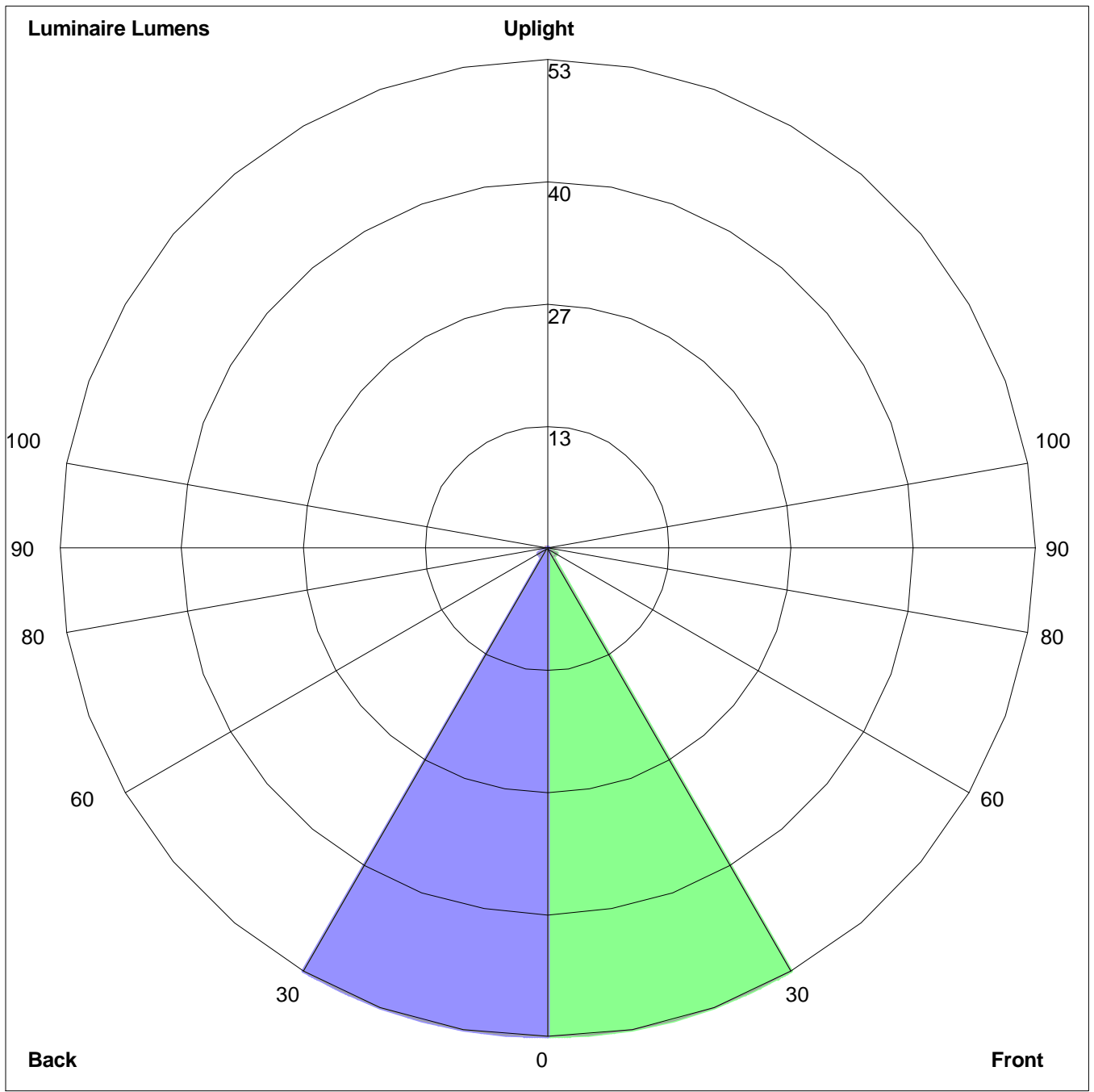


Maximum Candela = 1880 Located At Horizontal Angle = 90, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=53.3, Medium=1.1, High=0.0, Very High=0.0  
Back: Low=53.3, Medium=1.1, High=0.0, Very High=0.0  
Uplight: Low=0.0, High=0.0

BUG Rating : B0-U0-G0