



8165 E Kaiser Blvd. Anaheim, CA 92808
 p. 714.282.2270
 f. 714.676.5558

Test #: L05130902

Date: 5/9/2013



NVLAP LAB CODE 200927-0

Test Report: L05130902

Model Number: 1504

Report Prepared For: Vista Professional Outdoor Lighting
 1625 Surveyor Ave., Simi Valley CA 93063

Test: Electrical and Photometric tests as required by the IESNA test standards.

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

Description of Sample: Client submitted the sample. Fixture catalog number is 1504. Received in working and undamaged condition. No modifications were necessary.

Sample Arrival Date: 5/3/13

Date of Tests: 5/6/13 - 5/7/13

Seasoning of Sample SSL: 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-S1	01/04/14
Xitron Power Analysis System	2503AH	MT-EL01	01/09/14
Fluke Digital Thermometer	52k/J	MT-TP02-GC	01/04/14
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

*All Results in accordance to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting.

LM-79 Test Summary

Manufacturer:	Vista Professional Outdoor Lighting
Model Number:	1504
LAMPCAT:	N/A
Driver Model Number:	N/A
Total Lumens:	423.50
Input Voltage (VAC/60Hz):	120.00
Input Current (Amp):	0.09
Input Power (W):	10.32
Input Power Factor:	0.9140
Total Harmonic Distortion @ 120V(%):	27.6%
Total Harmonic Distortion @ 277V(%):	N/A
Efficacy:	41.03
Color Rendering Index (CRI):	84.90
Correlated Color Temperature (K):	4121
Chromaticity Coordinate x:	0.3733
Chromaticity Coordinate y:	0.3654
Ambient Temperature (°F):	77.0
Stabilization Time (Hours):	0:40
Total Operating Time (Hours):	1:40
Off State Power(W):	0.00

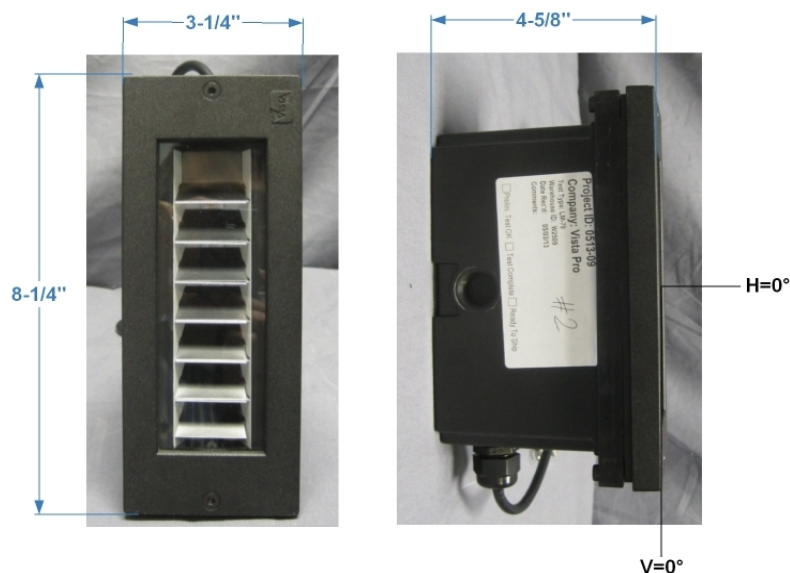
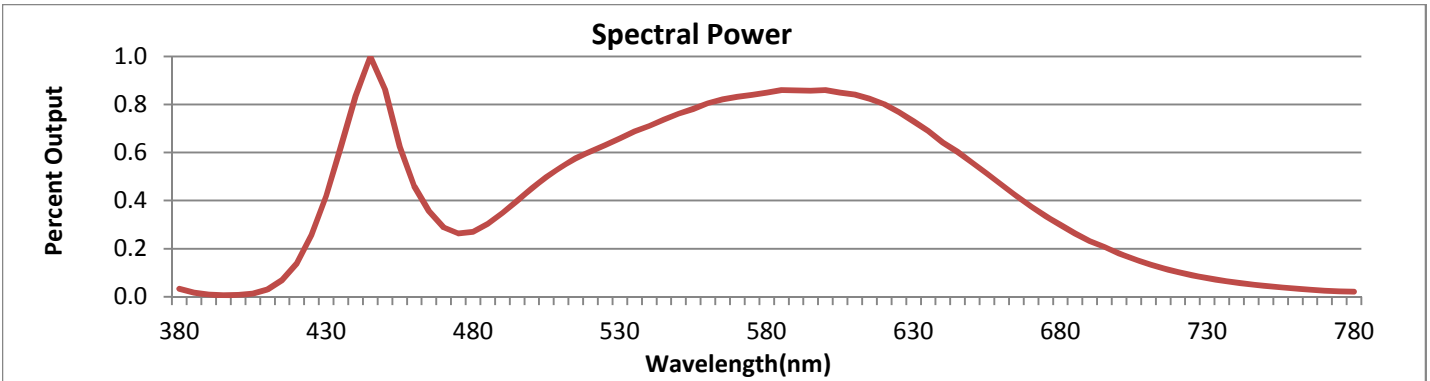


FIG.1 LUMINAIRE

*All Results in accordance to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting.



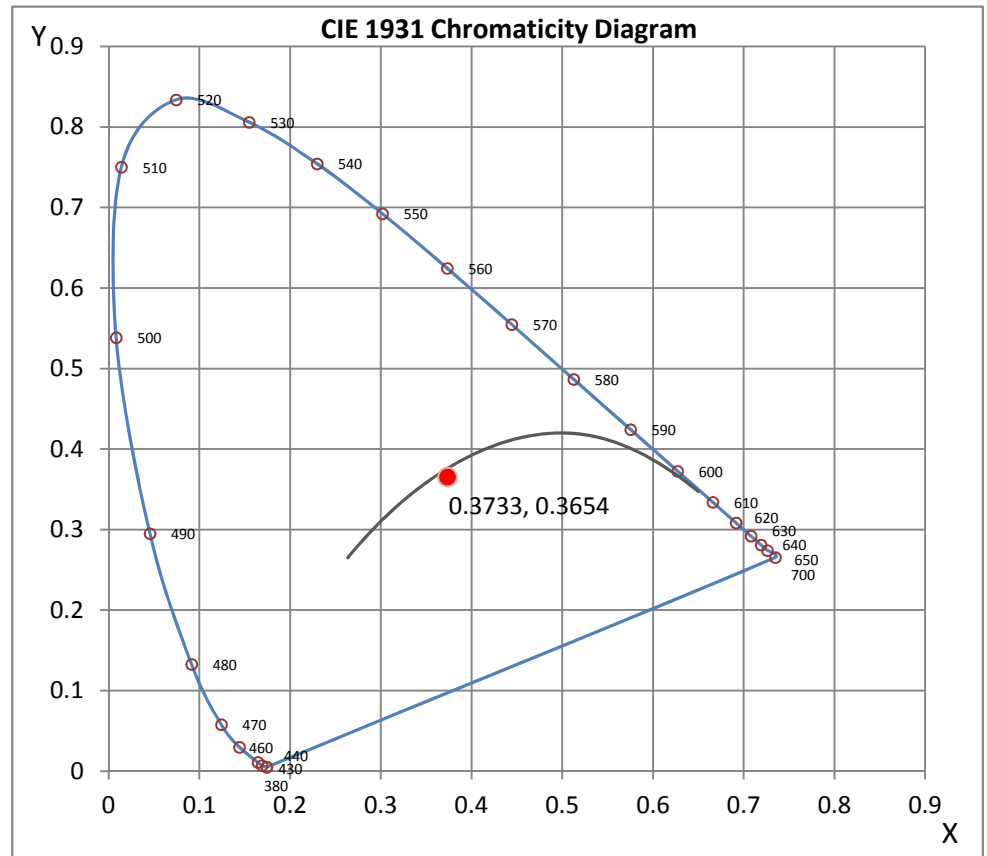
Wavelength	W/m ² nm	440	0.0299	510	0.0193	580	0.0304	650	0.0199	720	0.0037
380	0.0012	450	0.0309	520	0.0216	590	0.0307	660	0.0167	730	0.0028
390	0.0003	460	0.0165	530	0.0236	600	0.0308	670	0.0134	740	0.0021
400	0.0003	470	0.0103	540	0.0254	610	0.0301	680	0.0107	750	0.0015
410	0.0011	480	0.0096	550	0.0273	620	0.0287	690	0.0083	760	0.0012
420	0.0049	490	0.0125	560	0.0288	630	0.0261	700	0.0064	770	0.0009
430	0.0150	500	0.0161	570	0.0298	640	0.0230	710	0.0049	780	0.0007

CRI & CCT

x	0.3733
y	0.3654
u'	0.2249
v'	0.4954
CRI	84.90
CCT	4121
Duv	-0.00326

R Values

R1	84.67
R2	88.40
R3	90.37
R4	85.42
R5	84.58
R6	83.60
R7	87.83
R8	74.39
R9	32.25
R10	71.88
R11	84.77
R12	70.50
R13	85.14
R14	94.09



*All Results in accordance to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting.



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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.

Test Report Released by:

Jeff Ahn
Engineering Manager

Test Report Reviewed by:

Steve Kang
Quality Assurance

**Attached are photometric data reports. Total number of pages: 13*



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Photometric Test Report

IES ROAD REPORT
PHOTOMETRIC FILENAME : L05130902.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L05130902
 [TESTLAB] LIGHT LABORATORY INC
 [ISSUEDATE] 5/9/2013
 [MANUFAC] VISTA PROFESSIONAL OUTDOOR LIGHTING
 [LUMCAT] 1504
 [LUMINAIRE] 4-5/8"L. X 3-1/4"W. X 8-1/4"H. STEPLIGHT LED FIXTURE
 [MORE] CLEAR LENS
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
 [_INPUT] 120VAC, 10.32W
 [_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	423
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	41
Total Luminaire Watts	10.32
Ballast Factor	1.00
Upward Waste Light Ratio	0.04
Maximum Candela	544.98
Maximum Candela Angle	0H 50V
Maximum Candela (<90 Degrees Vertical)	544.98
Maximum Candela Angle (<90 Degrees Vertical)	0H 50V
Maximum Candela At 90 Degrees Vertical	18.24 (4.3% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	243.25 (57.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT
PHOTOMETRIC FILENAME : L05130902.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2.8	N.A.	0.7
FM - Front-Medium (30-60)	218.9	N.A.	51.7
FH - Front-High (60-80)	148.8	N.A.	35.1
FVH - Front-Very High (80-90)	36.6	N.A.	8.6
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)	< 0.05	N.A.	0.0
UL - Uplight-Low (90-100)	5.5	N.A.	1.3
UH - Uplight-High (100-180)	10.9	N.A.	2.6
Total	423.5	N.A.	100.0
BUG Rating	B0-U2-G1		

IES ROAD REPORT
PHOTOMETRIC FILENAME : L05130902.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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.20	0.20	0.21	0.20	0.20	0.19	0.19	0.18	0.17	0.16
10	1.05	1.10	1.12	1.14	1.13	1.10	1.05	0.92	0.79	0.65
15	2.91	3.02	3.04	3.03	2.95	2.69	2.40	2.08	1.72	1.46
20	5.88	6.26	6.41	6.38	5.91	5.34	4.77	4.42	3.84	3.47
25	10.80	11.71	12.34	11.51	10.33	9.97	9.76	8.83	7.45	6.07
30	62.49	81.09	85.98	64.69	57.60	55.43	31.17	14.71	13.64	12.48
35	187.34	196.26	188.47	166.27	171.30	157.27	113.35	95.54	73.91	41.11
40	319.21	395.93	357.07	335.98	319.07	266.03	261.79	232.26	160.18	96.37
45	501.78	512.07	483.38	485.82	458.63	451.35	408.82	323.95	287.24	218.68
50	544.98	541.10	536.46	532.82	518.79	507.80	479.43	458.61	399.61	258.92
55	504.77	483.13	480.25	489.86	478.36	478.89	482.77	468.10	441.40	404.34
60	386.64	373.29	374.19	365.08	383.75	381.69	394.30	386.88	390.07	279.78
65	311.54	307.98	309.60	306.64	303.75	309.31	309.58	310.49	294.93	238.52
70	266.01	262.38	260.73	261.27	261.09	263.26	257.98	249.35	230.98	141.34
75	246.57	247.37	247.12	246.40	242.02	239.52	232.36	219.17	200.51	124.60
80	243.25	233.43	231.64	232.74	233.38	231.18	221.26	210.11	192.98	146.51
85	129.43	108.15	117.97	124.98	121.87	128.40	131.57	130.79	126.60	109.24
90	14.43	14.68	15.46	15.88	16.71	17.62	18.19	18.24	17.59	16.70
95	10.85	10.93	11.36	11.72	12.44	13.16	13.71	13.99	13.91	13.62
100	8.87	8.96	9.11	9.45	10.09	10.74	11.25	11.61	11.75	11.74
105	7.93	7.86	7.99	8.26	8.79	9.34	9.81	10.06	10.23	10.23
110	7.06	7.05	7.18	7.38	7.82	8.25	8.56	8.82	8.92	8.81
115	6.45	6.49	6.59	6.76	7.04	7.35	7.57	7.72	7.67	7.54
120	6.10	6.11	6.12	6.26	6.51	6.67	6.79	6.73	6.68	6.49
125	5.72	5.72	5.73	5.87	6.07	6.16	6.10	6.03	5.78	5.45
130	5.38	5.34	5.36	5.41	5.57	5.61	5.56	5.24	4.99	4.70
135	4.94	4.81	4.88	4.81	4.97	4.97	4.83	4.69	4.26	3.81
140	4.25	4.13	4.19	4.18	4.15	4.26	4.08	3.84	3.61	3.30
145	3.49	3.38	3.35	3.38	3.31	3.29	3.31	3.13	2.85	2.58
150	2.64	2.51	2.42	2.50	2.51	2.43	2.38	2.35	2.23	1.96
155	1.79	1.75	1.68	1.73	1.77	1.76	1.70	1.62	1.56	1.46
160	1.23	1.22	1.18	1.16	1.20	1.21	1.20	1.14	1.07	0.98
165	0.85	0.85	0.83	0.81	0.78	0.78	0.77	0.75	0.72	0.66
170	0.50	0.50	0.49	0.48	0.46	0.44	0.42	0.41	0.39	0.36
175	0.25	0.25	0.25	0.24	0.23	0.22	0.21	0.20	0.19	0.17
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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>	<u>95</u>
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.15	0.13	0.11	0.10	0.08	0.06	0.04	0.02	0.00	0.00
10	0.51	0.36	0.21	0.18	0.14	0.11	0.07	0.04	0.00	0.00
15	1.25	1.08	0.86	0.59	0.27	0.19	0.13	0.07	0.00	0.00
20	2.95	2.26	1.56	1.11	0.67	0.23	0.14	0.07	0.00	0.00
25	4.54	3.52	2.77	1.90	1.27	0.62	0.16	0.08	0.00	0.00
30	8.35	6.44	4.31	2.98	1.68	0.91	0.17	0.08	0.00	0.00
35	20.03	7.82	5.90	4.20	2.76	1.51	0.47	0.11	0.00	0.00
40	45.59	25.81	8.24	5.70	3.42	1.33	0.49	0.10	0.00	0.00
45	92.24	17.70	9.81	7.22	4.55	1.91	0.72	0.12	0.00	0.00
50	93.01	30.86	12.35	8.90	5.10	2.02	0.53	0.14	0.00	0.00
55	140.10	22.21	14.04	10.40	6.23	2.71	0.66	0.17	0.00	0.00

IES ROAD REPORT
PHOTOMETRIC FILENAME : L05130902.IES

CANDELA TABULATION - (Cont.)

60	103.68	21.14	16.74	11.66	6.61	2.52	0.46	0.18	0.00	0.00
65	58.13	21.03	17.21	12.59	7.50	3.06	0.58	0.20	0.00	0.00
70	48.00	20.89	17.60	12.86	7.42	2.64	0.40	0.19	0.00	0.00
75	22.23	19.84	17.17	12.98	7.85	3.24	0.46	0.19	0.00	0.00
80	21.07	18.84	16.21	12.20	7.23	2.46	0.31	0.18	0.00	0.00
85	18.41	17.37	15.46	12.13	7.82	3.33	0.40	0.16	0.00	0.00
90	15.44	14.76	13.41	10.56	6.56	2.41	0.26	0.14	0.01	0.00
95	13.39	12.80	11.72	9.57	6.37	2.52	0.26	0.14	0.01	0.00
100	11.54	10.99	10.07	8.58	5.95	2.92	0.36	0.13	0.01	0.00
105	9.96	9.37	8.43	7.08	5.01	2.19	0.23	0.11	0.01	0.00
110	8.43	7.88	7.13	6.09	4.59	2.47	0.39	0.10	0.01	0.00
115	7.26	6.78	6.03	5.03	3.66	1.83	0.27	0.09	0.01	0.00
120	6.11	5.53	4.95	4.17	3.16	1.79	0.48	0.08	0.02	0.00
125	5.16	4.77	4.17	3.42	2.51	1.27	0.34	0.08	0.02	0.00
130	4.31	3.82	3.33	2.76	2.11	1.22	0.51	0.08	0.02	0.00
135	3.57	3.24	2.78	2.19	1.53	0.83	0.34	0.08	0.03	0.01
140	2.91	2.50	2.11	1.69	1.24	0.76	0.32	0.08	0.03	0.01
145	2.30	1.99	1.65	1.26	0.88	0.51	0.19	0.08	0.04	0.02
150	1.68	1.39	1.15	0.92	0.66	0.40	0.13	0.09	0.05	0.03
155	1.34	1.12	0.87	0.63	0.45	0.28	0.15	0.09	0.04	0.02
160	0.88	0.75	0.61	0.48	0.34	0.20	0.15	0.10	0.05	0.03
165	0.58	0.50	0.41	0.32	0.22	0.17	0.12	0.08	0.03	0.02
170	0.33	0.28	0.24	0.21	0.17	0.14	0.11	0.07	0.03	0.03
175	0.16	0.14	0.13	0.11	0.09	0.08	0.06	0.04	0.03	0.02
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES ROAD REPORT
PHOTOMETRIC FILENAME : L05130902.IES

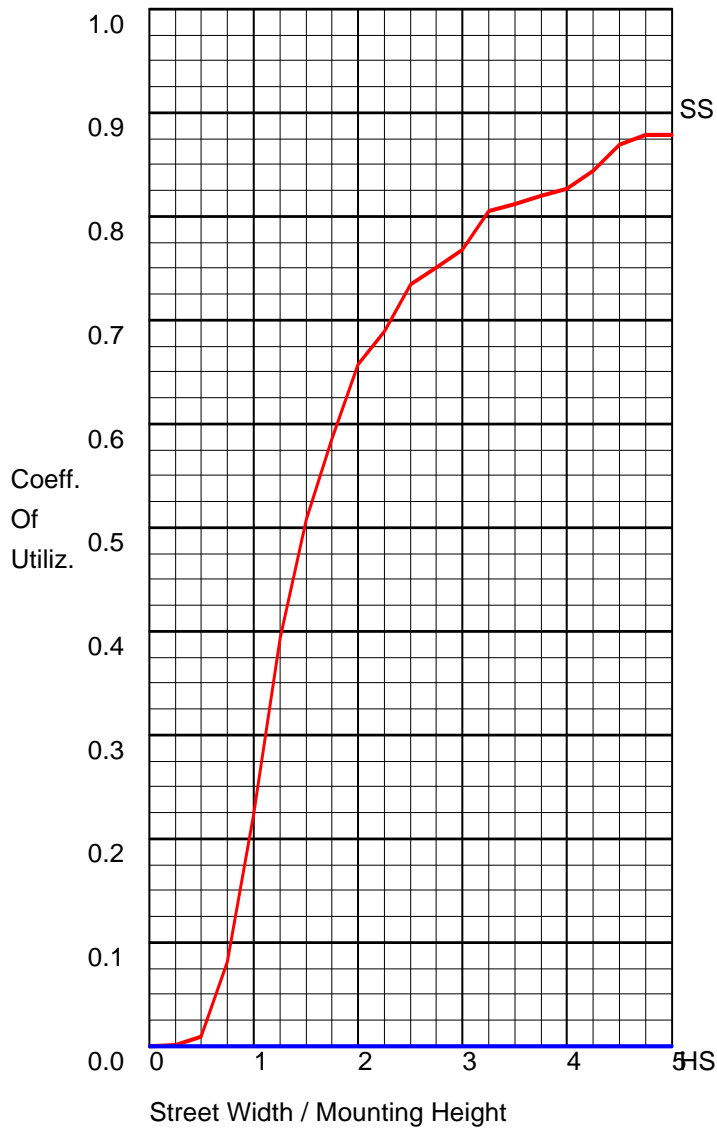
CANDELA TABULATION - (Cont.)

135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.02	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
175	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Horizontal Angles

	<u>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00

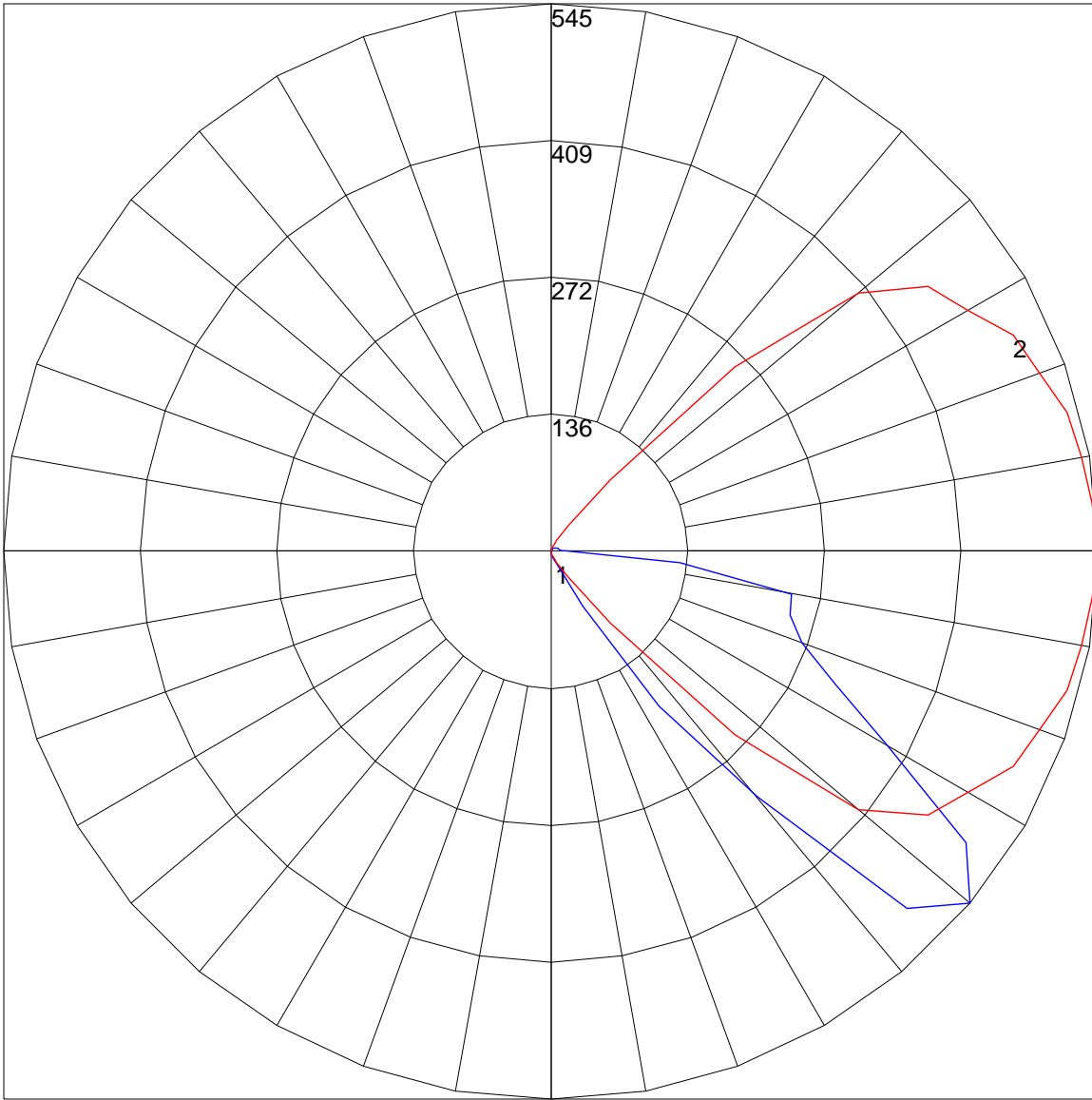
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

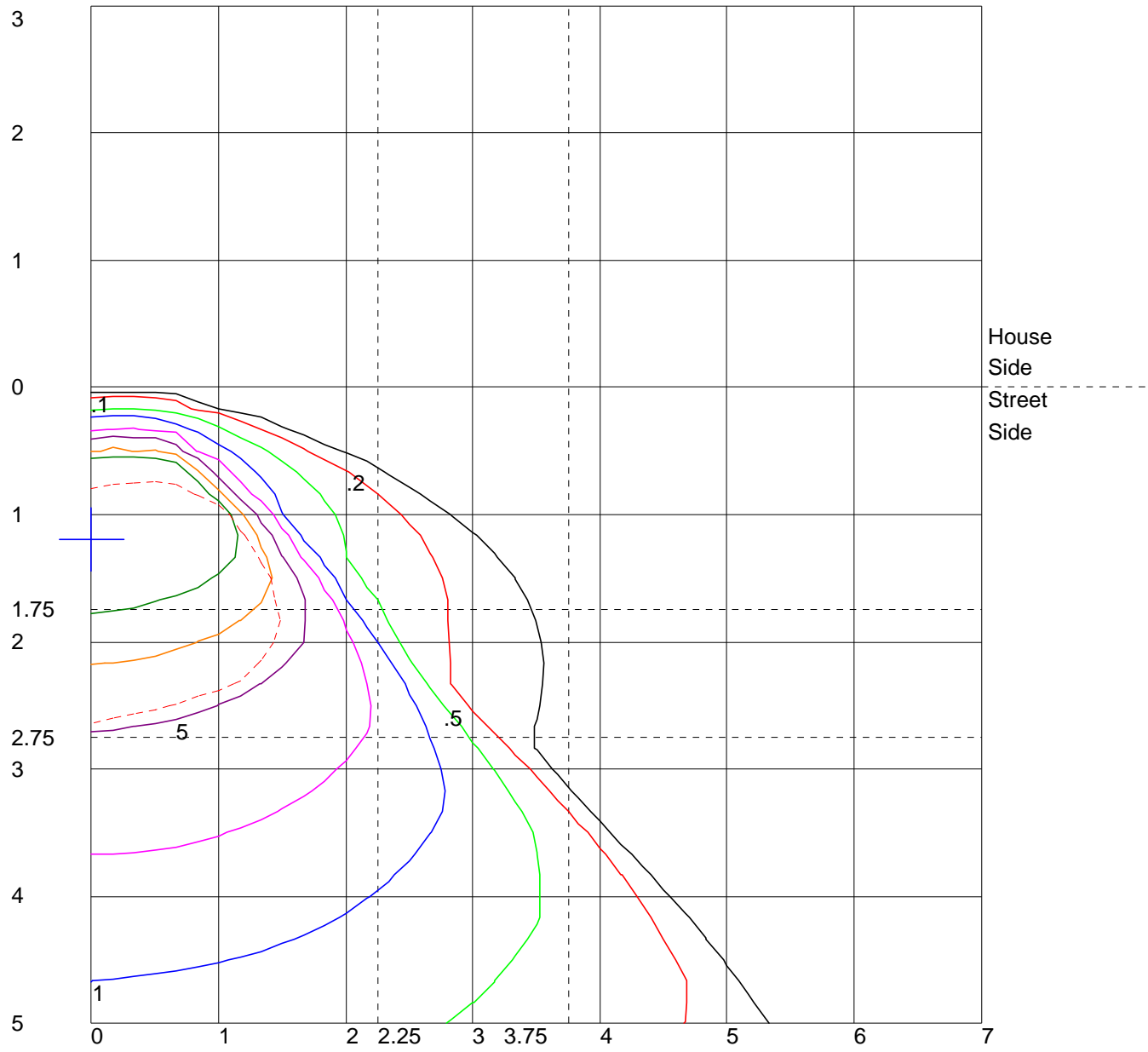
	Lumens	Percent Of Luminaire
Downward Street Side	407.1	96.1
Downward House Side	0.0	0.0
Downward Total	407.1	96.1
Upward Street Side	16.4	3.9
Upward House Side	0.0	0.0
Upward Total	16.4	3.9
Total Flux	423.5	100.0

POLAR GRAPH



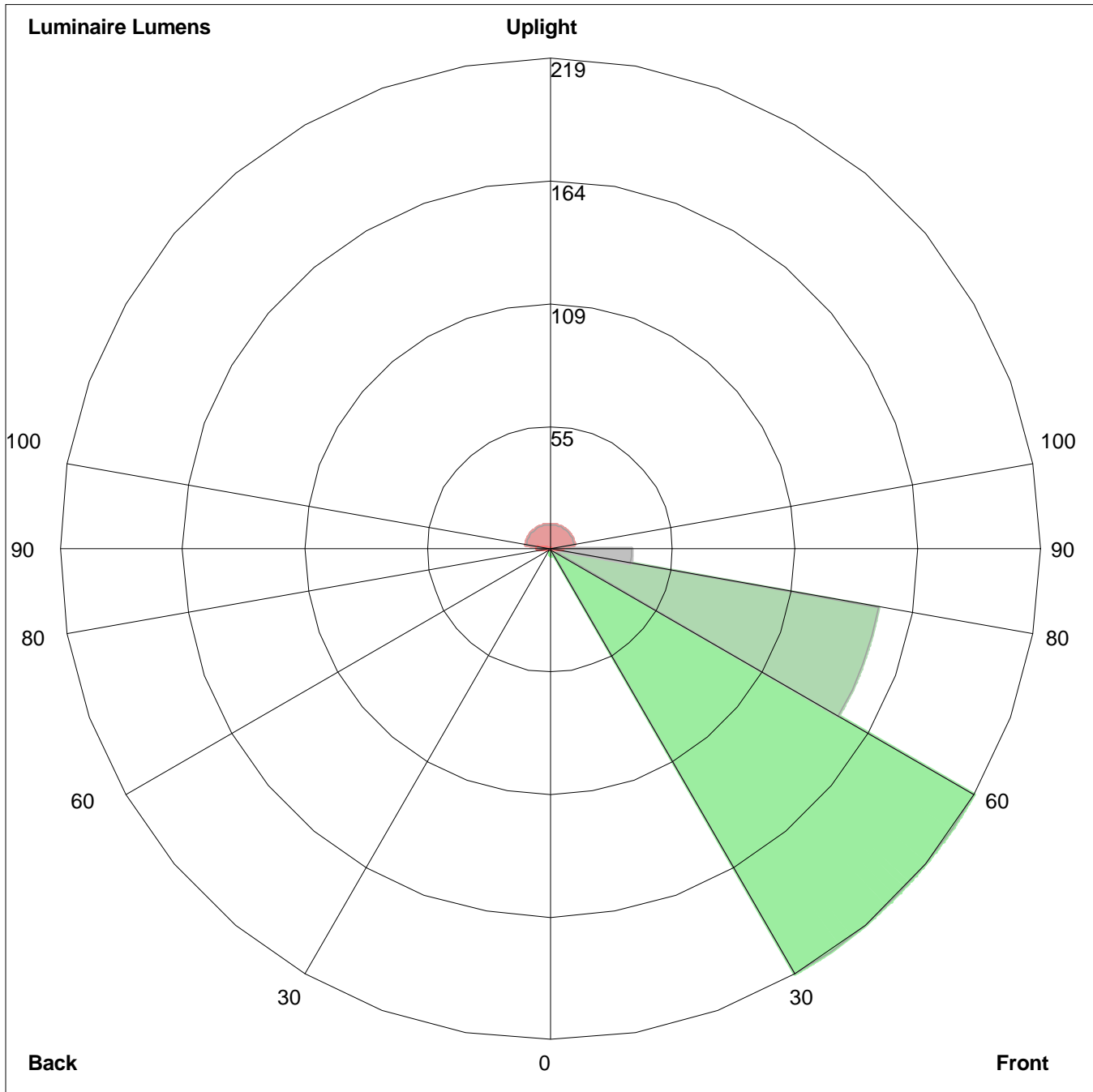
Maximum Candela = 544.98 Located At Horizontal Angle = 0, Vertical Angle = 50
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (50) (Through Max. Cd.)

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=2.8, Medium=218.9, High=148.8, Very High=36.6
Back: Low=0.0, Medium=0.0, High=0.0, Very High=0.0
Uplight: Low=5.5, High=10.9

BUG Rating : B0-U2-G1