



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

Test #: L04124201
 Date: 4/26/2012

Test Report: L04124201

Model Number: 1501

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 1 sample of LED step lighting fixture. Fixture catalog number is 1501. Received in working and undamaged condition. No modifications were necessary.

Sample Arrival Date: 4/19/12

Date of Tests: 4/23/12 - 4/26/12

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

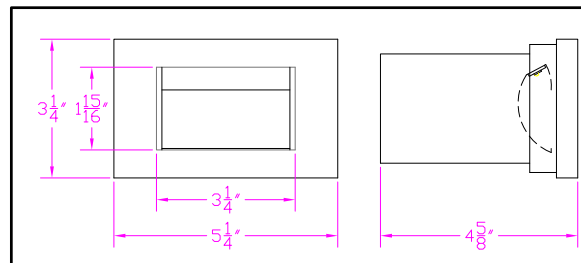
Equipment List

| Equipment Used | Model No | Stock No | Calibration Due Date |
|-----------------------------------|------------|------------|----------------------|
| Chroma Programmable AC Source | 61604 | PS-AC02 | -- |
| Yokogawa Digital Power Meter | WT210 | MT-EL06-S1 | 01/04/13 |
| Xitron Power Analysis System | 2503AH | MT-EL01 | 01/09/13 |
| Fluke Digital Thermometer | 52k/J | MT-TP02-GC | 01/04/13 |
| 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

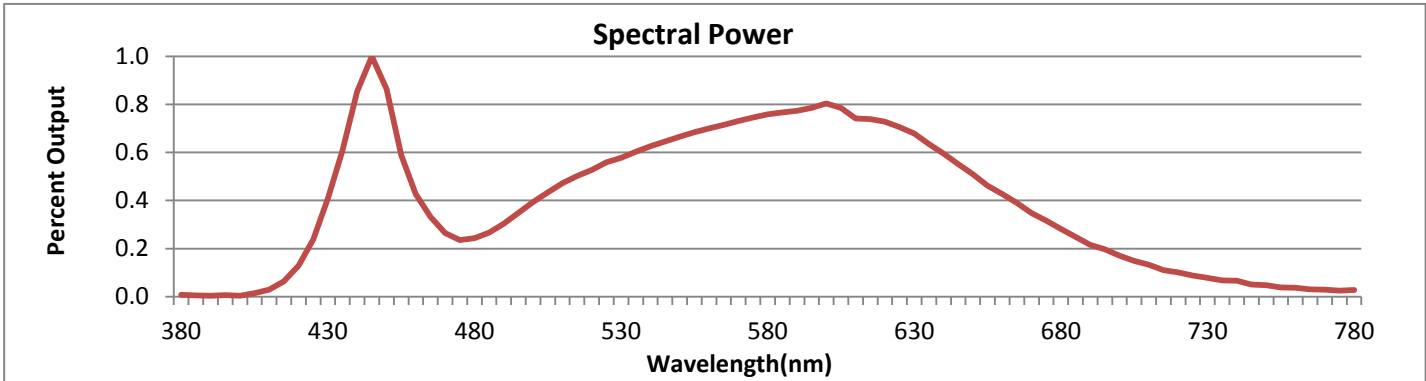
| | |
|--|-------------------------------------|
| Manufacturer: | VISTA PROFESSIONAL OUTDOOR LIGHTING |
| Model Number: | 1501 |
| Total Lumens: | 183.90 |
| Input Voltage (VAC): | 120.00 |
| Input Current (Amp): | 0.08 |
| Input Power (W): | 5.75 |
| Input Power Factor: | 0.59 |
| Efficacy: | 31.99 |
| Color Rendering Index (CRI): | 86.28 |
| Correlated Color Temperature (CCT): | 4125 |
| Chromaticity Coordinate x: | 0.3704 |
| Chromaticity Coordinate y: | 0.3546 |
| Ambient Temperature (°F): | 77.0 |
| Stabilization Time (Hours): | 1:30 |
| Total Operating Time (Hours): | 3:25 |



8165 E Kaiser Blvd. Anaheim, CA 92808

p. 714.282.2270

f. 714.676.5558



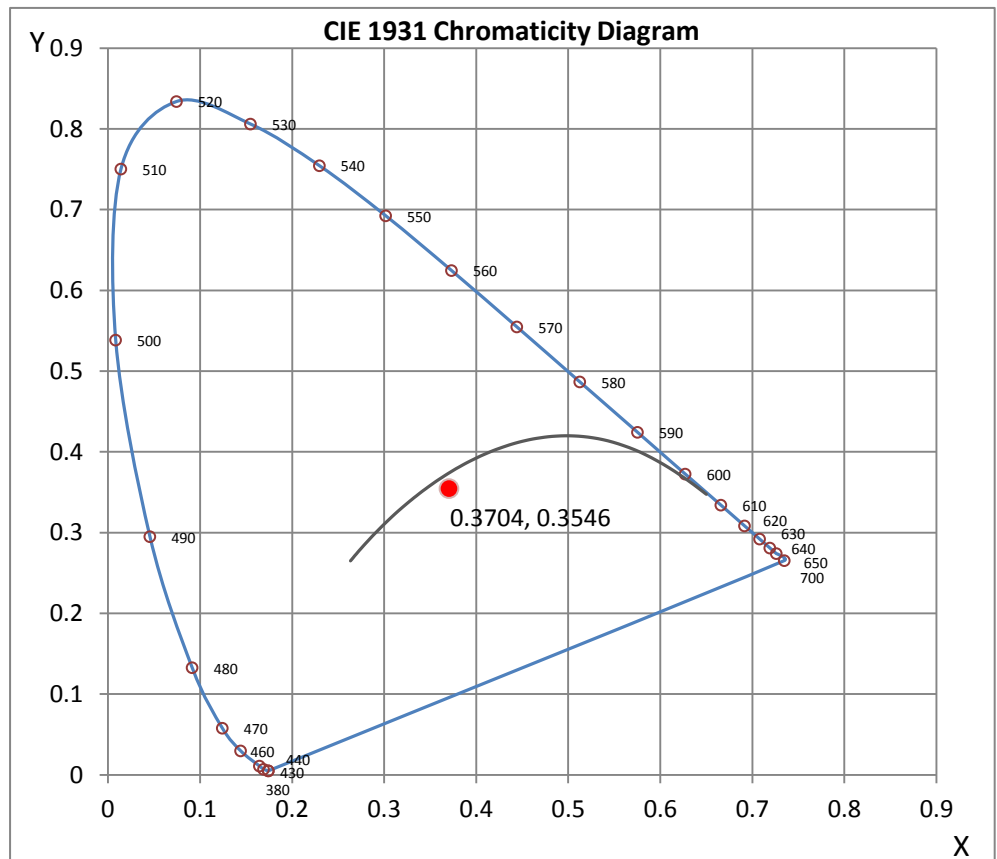
| Wavelength | W/m ² nm | 440 | 0.0800 | 510 | 0.0443 | 580 | 0.0711 | 650 | 0.0478 | 720 | 0.0094 |
|------------|---------------------|-----|--------|-----|--------|-----|--------|-----|--------|-----|--------|
| 380 | 0.0007 | 450 | 0.0810 | 520 | 0.0493 | 590 | 0.0725 | 660 | 0.0400 | 730 | 0.0073 |
| 390 | 0.0003 | 460 | 0.0400 | 530 | 0.0542 | 600 | 0.0754 | 670 | 0.0326 | 740 | 0.0062 |
| 400 | 0.0003 | 470 | 0.0248 | 540 | 0.0586 | 610 | 0.0694 | 680 | 0.0265 | 750 | 0.0045 |
| 410 | 0.0027 | 480 | 0.0228 | 550 | 0.0624 | 620 | 0.0682 | 690 | 0.0202 | 760 | 0.0034 |
| 420 | 0.0121 | 490 | 0.0284 | 560 | 0.0656 | 630 | 0.0636 | 700 | 0.0160 | 770 | 0.0027 |
| 430 | 0.0384 | 500 | 0.0369 | 570 | 0.0685 | 640 | 0.0558 | 710 | 0.0124 | 780 | 0.0026 |

CRI & CCT

| | |
|-----|----------|
| x | 0.3704 |
| y | 0.3546 |
| u' | 0.2275 |
| v' | 0.4899 |
| CRI | 86.28 |
| CCT | 4125 |
| Duv | -0.00502 |

R Values

| | |
|-----|-------|
| R1 | 87.23 |
| R2 | 89.83 |
| R3 | 90.09 |
| R4 | 86.53 |
| R5 | 87.28 |
| R6 | 85.23 |
| R7 | 87.40 |
| R8 | 76.69 |
| R9 | 39.83 |
| R10 | 74.78 |
| R11 | 86.62 |
| R12 | 73.79 |
| R13 | 87.39 |
| R14 | 94.06 |



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

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.

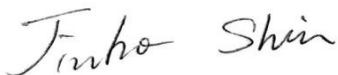
Spectral Measurements - Integrating Sphere

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

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:



Joseph Shin
Engineering Manager

Test Report Reviewed by:



Steve Kang
Quality Assurance

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



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

Photometric Test Report

IES ROAD REPORT
PHOTOMETRIC FILENAME : L04124201.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L04124201
 [TESTLAB] LIGHT LABORATORY INC
 [ISSUEDATE] 4/26/2012
 [MANUFAC] VISTA PROFESSIONAL OUTDOOR LIGHTING
 [LUMCAT] 1501
 [LUMINAIRE] 4-5/8"L. X 5-1/4"W. X 3-1/4"H. LED STEP LIGHT
 [MORE] 3 COOL WHITE LEDS WITH 5/8" SPACING, CONCAVED ALLUMINUM REFLECTOR
 [MORE] WITH CLEAR GLASS LENS
 [LAMPPOSITION] 0,30
 [LAMPCAT] COOL WHITE LED
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
 [INPUT] 120VAC, 5.75W
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

| | |
|---|-------------------------------|
| IES Classification | Type IV |
| Longitudinal Classification | Very Short |
| Cutoff Classification (deprecated) | Non-Cutoff |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 184 |
| Total Luminaire Efficiency | N.A. |
| Downward Total Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 32 |
| Upward Waste Light Ratio | 0.15 |
| Maximum Candela | 156.3 |
| Maximum Candela Angle | 0H 60V |
| Maximum Candela (<90 Degrees Vertical) | 156.3 |
| Maximum Candela Angle (<90 Degrees Vertical) | 0H 60V |
| Maximum Candela At 90 Degrees Vertical | 48.7 (26.5% Luminaire Lumens) |
| Maximum Candela from 80 to <90 Degrees Vertical | 61.2 (33.3% Luminaire Lumens) |
| Total Luminaire Watts | 5.75 |
| Ballast Factor | 1.00 |

IES ROAD REPORT
PHOTOMETRIC FILENAME : L04124201.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

| | Lumens | % Lamp | % Luminaire |
|-------------------------------|----------|--------|-------------|
| FL - Front-Low (0-30) | 2.7 | N.A. | 1.5 |
| FM - Front-Medium (30-60) | 81.6 | N.A. | 44.4 |
| FH - Front-High (60-80) | 58.4 | N.A. | 31.8 |
| FVH - Front-Very High (80-90) | 13.3 | N.A. | 7.2 |
| 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) | 9.7 | N.A. | 5.3 |
| UH - Uplight-High (100-180) | 18.2 | N.A. | 9.9 |
| Total | 183.9 | N.A. | 100.0 |
| BUG Rating | B0-U2-G1 | | |

IES ROAD REPORT
PHOTOMETRIC FILENAME : L04124201.IES

CANDELA TABULATION

| Vert. Angles | Horizontal Angles | | | | | | | | | |
|--------------|-------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | <u>0</u> | <u>5</u> | <u>15</u> | <u>25</u> | <u>35</u> | <u>45</u> | <u>55</u> | <u>65</u> | <u>75</u> | <u>85</u> |
| 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 0.7 | 0.7 | 0.7 | 0.6 | 0.6 | 0.5 | 0.5 | 0.4 | 0.3 | 0.2 |
| 10 | 0.9 | 0.9 | 0.8 | 0.8 | 0.7 | 0.7 | 0.6 | 0.5 | 0.4 | 0.3 |
| 15 | 1.1 | 1.1 | 1.1 | 1.1 | 1.0 | 0.8 | 0.7 | 0.7 | 0.5 | 0.3 |
| 20 | 1.9 | 1.9 | 1.9 | 1.7 | 1.3 | 1.1 | 0.9 | 0.8 | 0.6 | 0.3 |
| 25 | 3.4 | 3.3 | 2.9 | 2.5 | 2.0 | 1.6 | 1.1 | 0.9 | 0.7 | 0.4 |
| 30 | 111.8 | 111.3 | 108.3 | 96.4 | 6.8 | 2.2 | 1.5 | 1.0 | 0.8 | 0.4 |
| 35 | 115.5 | 115.0 | 112.8 | 109.9 | 103.6 | 40.5 | 2.1 | 1.2 | 0.9 | 0.4 |
| 40 | 121.7 | 121.8 | 119.0 | 112.0 | 105.3 | 96.0 | 17.2 | 1.6 | 1.0 | 0.5 |
| 45 | 135.8 | 135.3 | 131.4 | 122.3 | 108.8 | 96.0 | 58.8 | 2.3 | 1.1 | 0.5 |
| 50 | 148.8 | 148.2 | 143.0 | 132.9 | 116.5 | 98.3 | 57.8 | 16.8 | 1.2 | 0.6 |
| 55 | 154.0 | 153.2 | 148.5 | 138.9 | 121.3 | 101.5 | 57.2 | 26.7 | 1.4 | 0.7 |
| 60 | 156.3 | 155.7 | 151.1 | 141.0 | 122.8 | 102.0 | 57.6 | 24.3 | 2.4 | 0.8 |
| 65 | 138.7 | 139.0 | 139.8 | 136.5 | 119.8 | 98.4 | 55.9 | 23.3 | 4.6 | 0.9 |
| 70 | 87.7 | 88.0 | 89.7 | 91.8 | 91.0 | 87.5 | 51.5 | 22.3 | 5.0 | 1.0 |
| 75 | 64.3 | 63.9 | 60.1 | 52.0 | 43.5 | 43.9 | 37.8 | 20.2 | 4.2 | 1.1 |
| 80 | 61.2 | 60.7 | 56.6 | 47.5 | 34.0 | 21.4 | 13.4 | 11.6 | 3.8 | 1.1 |
| 85 | 56.0 | 55.4 | 51.2 | 42.5 | 30.4 | 19.0 | 10.4 | 5.6 | 2.9 | 1.1 |
| 90 | 48.7 | 48.2 | 44.2 | 36.4 | 26.1 | 16.5 | 9.2 | 4.9 | 2.4 | 1.2 |
| 95 | 40.7 | 40.3 | 36.8 | 30.3 | 21.8 | 14.0 | 8.0 | 4.4 | 2.2 | 1.3 |
| 100 | 32.9 | 32.5 | 29.8 | 24.7 | 18.0 | 11.8 | 7.1 | 4.0 | 2.3 | 1.3 |
| 105 | 26.0 | 25.8 | 23.9 | 19.9 | 14.8 | 10.0 | 6.3 | 3.8 | 2.3 | 1.4 |
| 110 | 20.6 | 20.4 | 19.1 | 16.2 | 12.4 | 8.7 | 5.8 | 3.7 | 2.4 | 1.5 |
| 115 | 16.5 | 16.4 | 15.5 | 13.4 | 10.6 | 7.7 | 5.4 | 3.6 | 2.5 | 1.6 |
| 120 | 13.4 | 13.3 | 12.8 | 11.3 | 9.2 | 7.0 | 5.0 | 3.5 | 2.6 | 1.6 |
| 125 | 11.3 | 11.2 | 10.9 | 9.8 | 8.2 | 6.3 | 4.7 | 3.6 | 2.7 | 1.6 |
| 130 | 9.8 | 9.8 | 9.5 | 8.6 | 7.3 | 5.9 | 4.6 | 3.6 | 2.8 | 1.5 |
| 135 | 6.3 | 6.8 | 8.3 | 7.7 | 6.7 | 5.6 | 4.6 | 3.7 | 2.9 | 1.5 |
| 140 | 4.5 | 5.1 | 7.1 | 7.0 | 6.3 | 5.5 | 4.6 | 3.7 | 2.9 | 1.5 |
| 145 | 4.1 | 4.5 | 6.2 | 6.6 | 6.1 | 5.3 | 4.5 | 3.6 | 3.0 | 1.5 |
| 150 | 3.8 | 4.1 | 5.4 | 6.0 | 5.7 | 5.1 | 4.2 | 3.4 | 2.9 | 1.5 |
| 155 | 3.5 | 3.7 | 4.6 | 5.3 | 5.2 | 4.6 | 3.8 | 3.3 | 2.6 | 1.4 |
| 160 | 3.1 | 3.2 | 3.7 | 4.2 | 3.8 | 3.4 | 3.0 | 2.8 | 2.1 | 1.1 |
| 165 | 0.4 | 0.4 | 0.6 | 0.9 | 1.1 | 1.2 | 1.2 | 1.1 | 0.9 | 0.6 |
| 170 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 |
| 175 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 |
| 180 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Vert. Angles | Horizontal Angles | | | | | | | | | |
|--------------|-------------------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|
| | <u>90</u> | <u>95</u> | <u>105</u> | <u>115</u> | <u>125</u> | <u>135</u> | <u>145</u> | <u>155</u> | <u>165</u> | <u>175</u> |
| 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

IES ROAD REPORT
 PHOTOMETRIC FILENAME : L04124201.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 60 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Vert. Horizontal Angles
 Angles

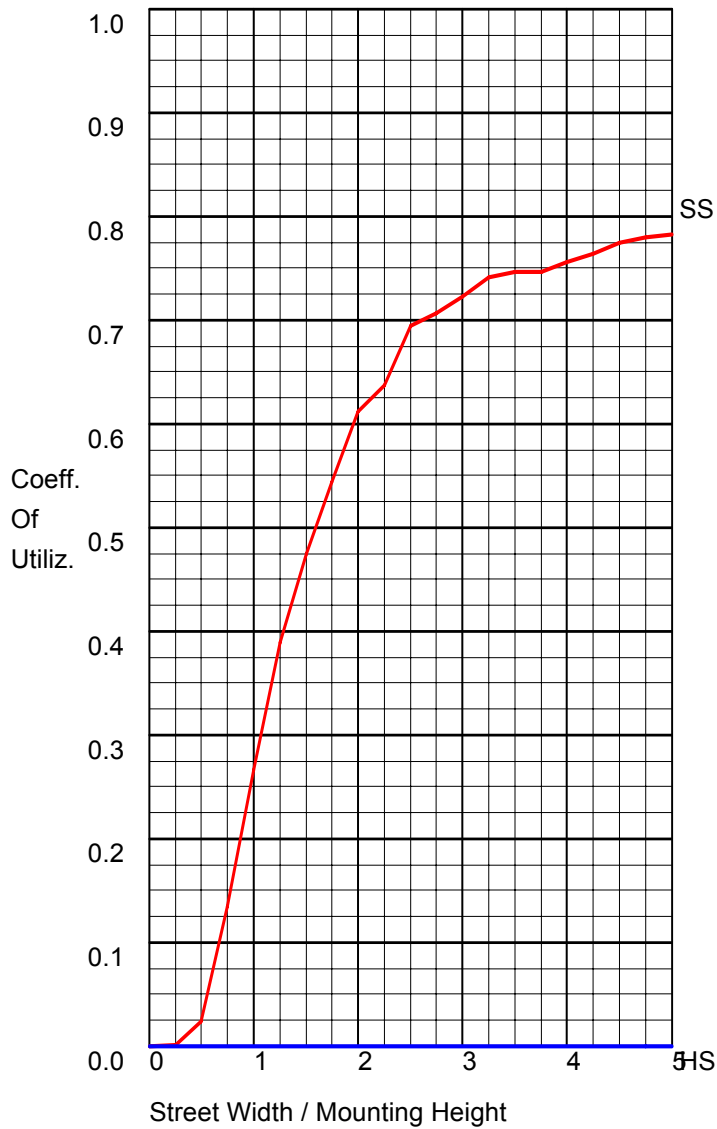
| | <u>180</u> |
|-----|------------|
| 0 | 0.0 |
| 5 | 0.0 |
| 10 | 0.0 |
| 15 | 0.0 |
| 20 | 0.0 |
| 25 | 0.0 |
| 30 | 0.0 |
| 35 | 0.0 |
| 40 | 0.0 |
| 45 | 0.0 |
| 50 | 0.0 |
| 55 | 0.0 |
| 60 | 0.0 |
| 65 | 0.0 |
| 70 | 0.0 |
| 75 | 0.0 |
| 80 | 0.0 |
| 85 | 0.0 |
| 90 | 0.0 |
| 95 | 0.0 |
| 100 | 0.0 |
| 105 | 0.0 |
| 110 | 0.0 |
| 115 | 0.0 |
| 120 | 0.0 |
| 125 | 0.0 |
| 130 | 0.0 |

IES ROAD REPORT
PHOTOMETRIC FILENAME : L04124201.IES

CANDELA TABULATION - (Cont.)

| | |
|------------|-----|
| 135 | 0.0 |
| 140 | 0.0 |
| 145 | 0.0 |
| 150 | 0.0 |
| 155 | 0.0 |
| 160 | 0.0 |
| 165 | 0.0 |
| 170 | 0.0 |
| 175 | 0.0 |
| 180 | 0.0 |

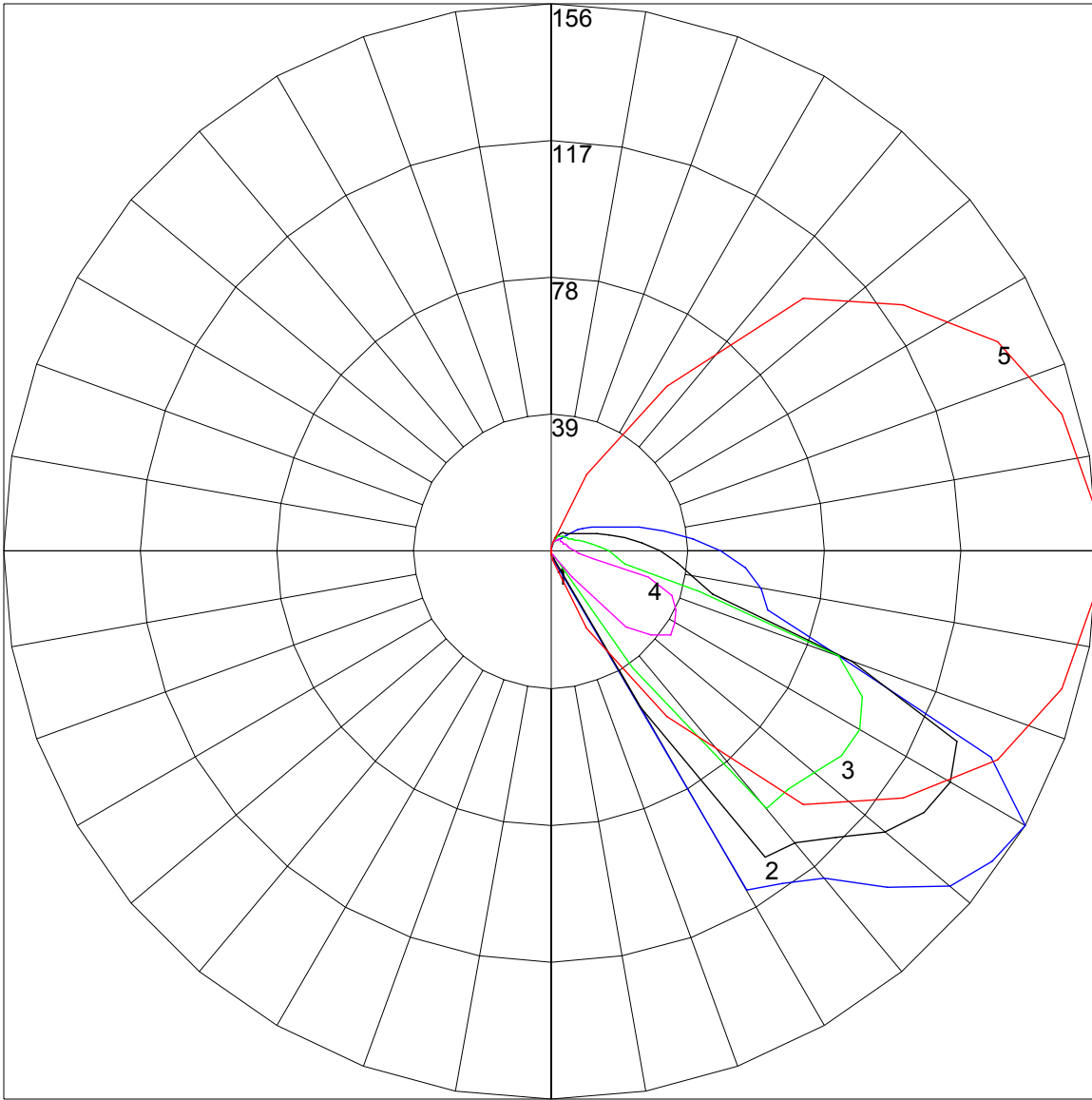
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

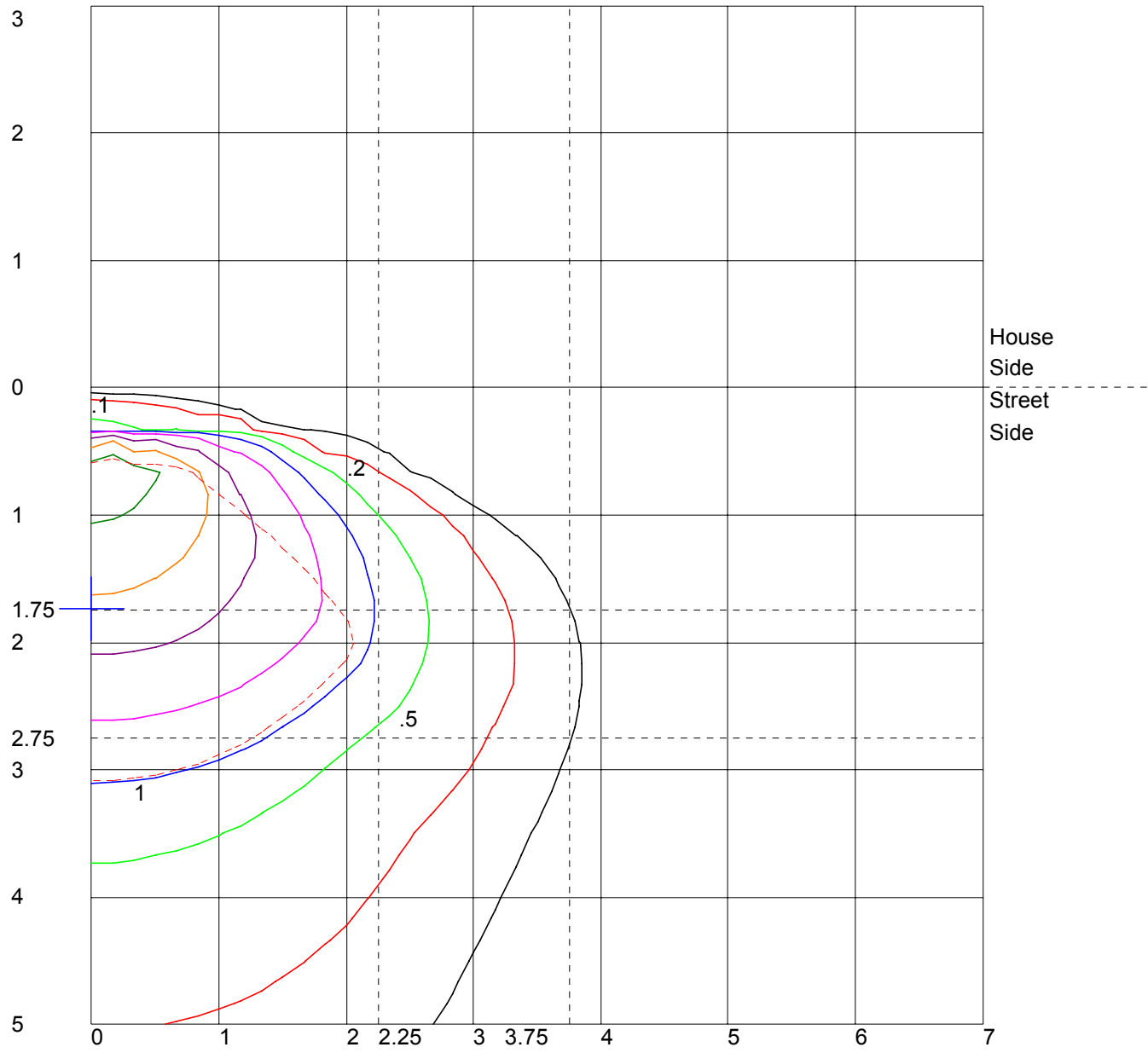
| | Lumens | Percent Of Luminaire |
|----------------------|--------|----------------------|
| Downward Street Side | 156.0 | 84.8 |
| Downward House Side | 0.0 | 0.0 |
| Downward Total | 156.0 | 84.8 |
| Upward Street Side | 27.9 | 15.2 |
| Upward House Side | 0.0 | 0.0 |
| Upward Total | 27.9 | 15.2 |
| Total Flux | 183.9 | 100.0 |

POLAR GRAPH



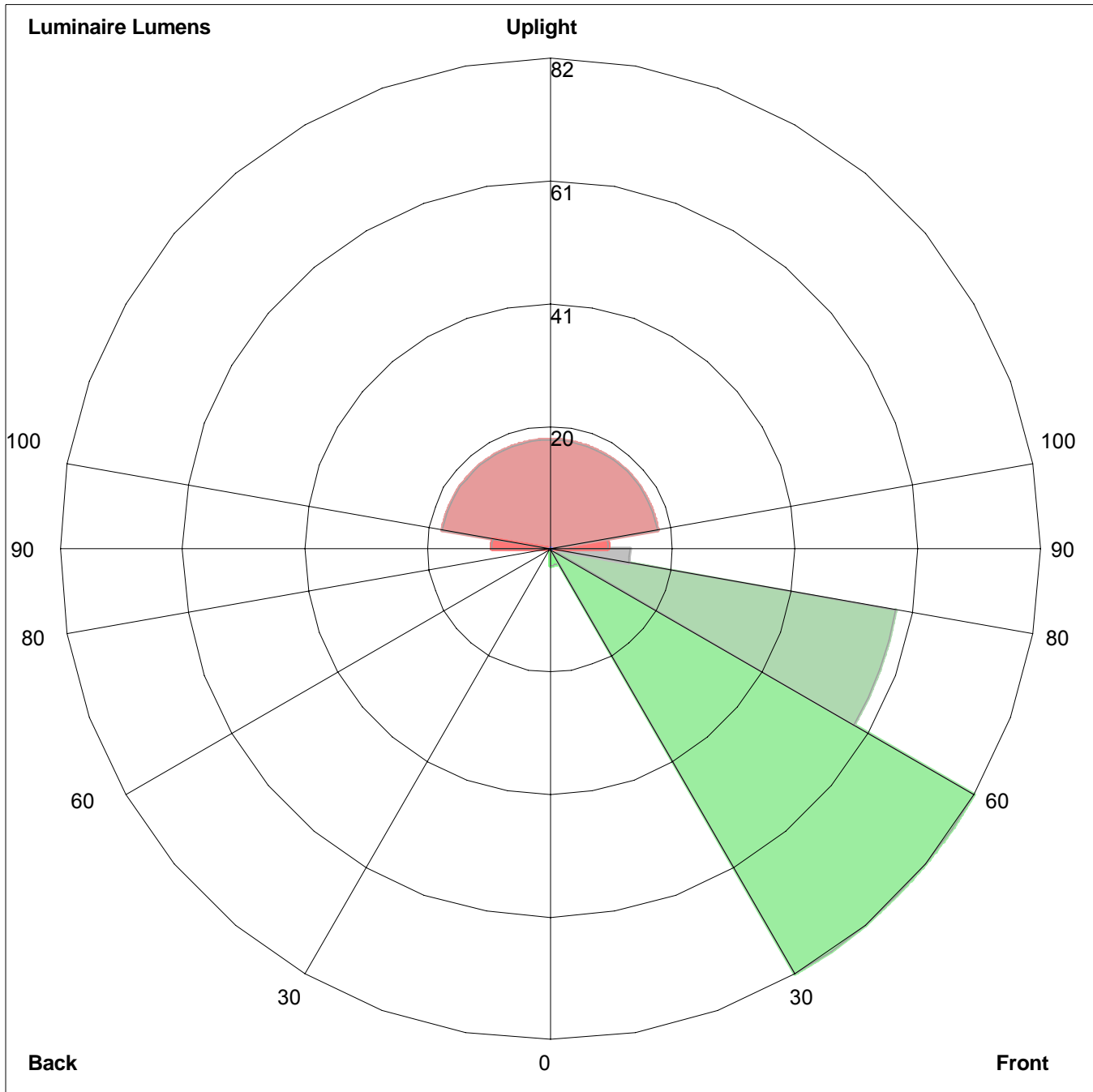
Maximum Candela = 156.3 Located At Horizontal Angle = 0, Vertical Angle = 60
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.) : BLUE
2 - Vertical Plane Through Horizontal Angles (30 - 210) : BLACK
3 - Vertical Plane Through Horizontal Angles (45 - 225) : GREEN
4 - Vertical Plane Through Horizontal Angles (60 - 240) : MAGENTA
5 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.) : RED

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=2.7, Medium=81.6, High=58.4, Very High=13.3
Back: Low=0.0, Medium=0.0, High=0.0, Very High=0.0
Uplight: Low=9.7, High=18.2

BUG Rating : B0-U2-G1