

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P437009

Luminaire Tested: **ISS-SA1A-740-U-SLR-HSS**

Issue Date: 12/9/2020

Test Information

Test Method: LM-79-08
Report Number: P437009
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-074-23)
Test Lab: INNOVATION CENTER
Issue Date: 12/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: ISS-SA1A-740-U-SLR-HSS
Description: IMPACT ELITE LED QUARTER SPHERE LUMINAIRE
(1) 70 CRI, 4000K, 350mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2072 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

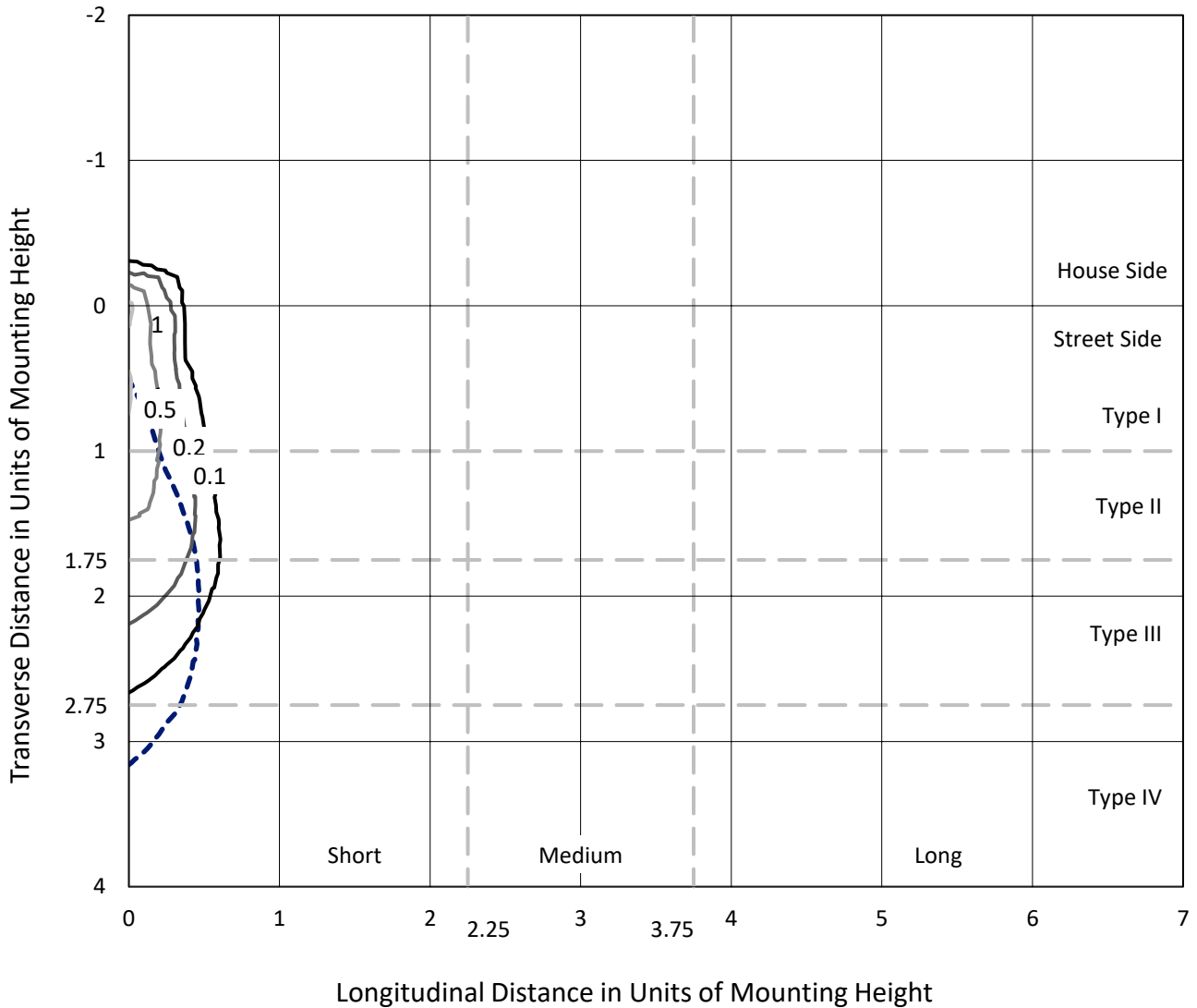
Input Watts (W): 20.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

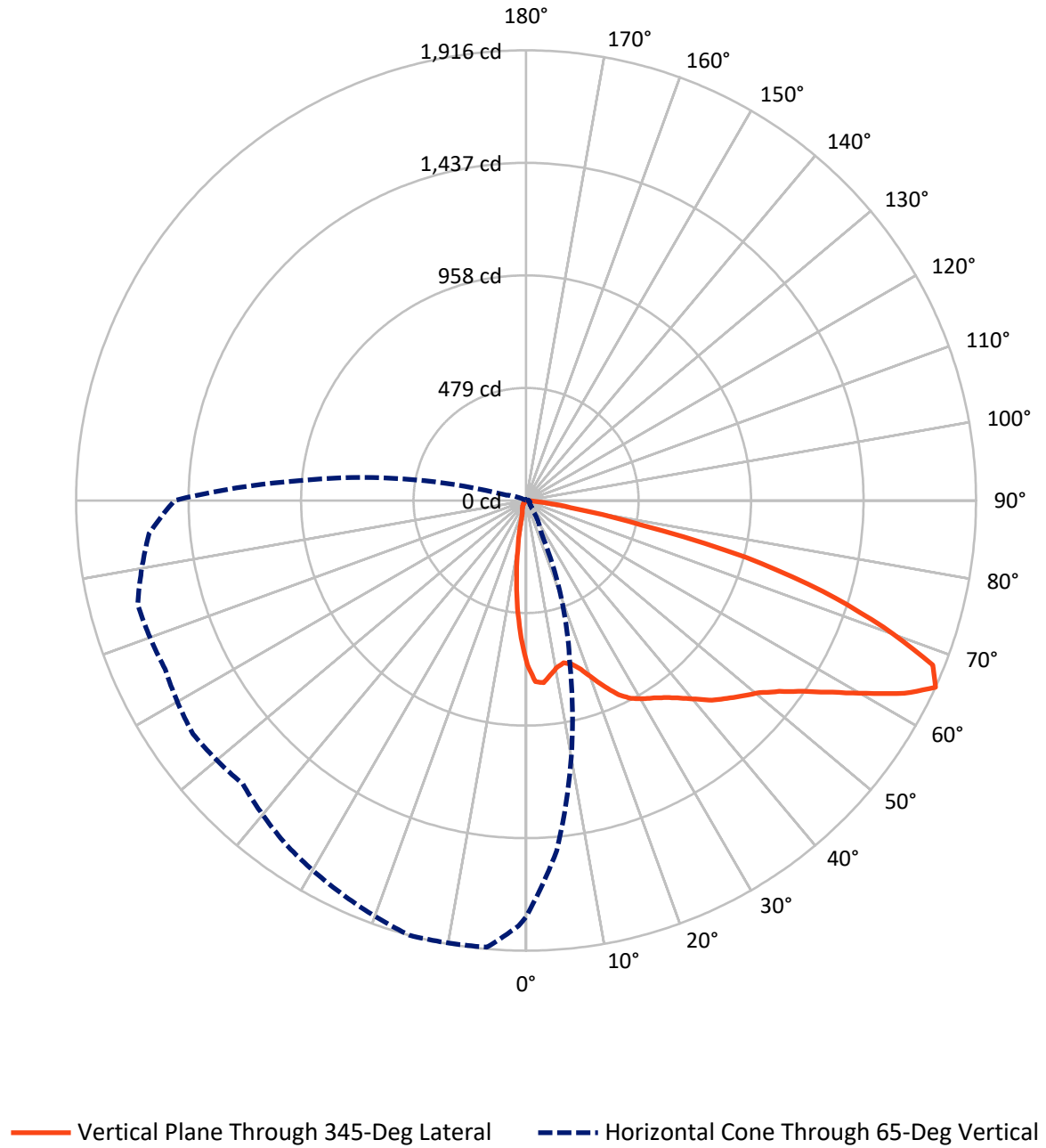
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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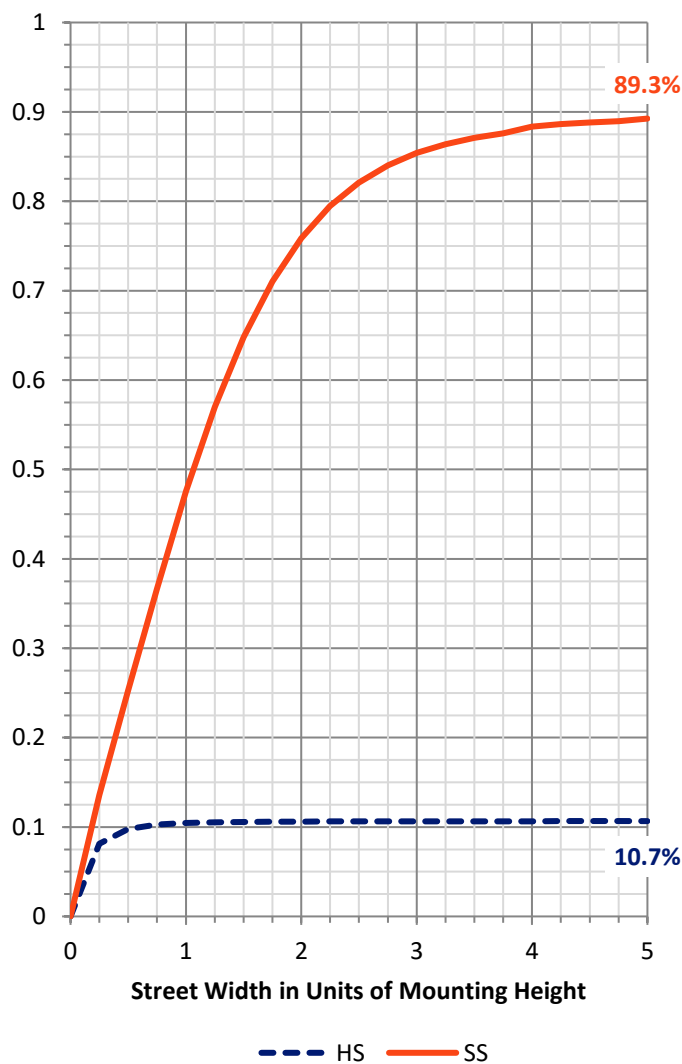
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 223.4 | 0.0 | 223.4 |
| | % Fixture | 10.8 | 0.0 | 10.8 |
| Street Side | Lumens | 1848.6 | 0.0 | 1848.6 |
| | % Fixture | 89.2 | 0.0 | 89.2 |
| Total | Lumens | 2072.0 | 0.0 | 2072.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 51.9 | 2.5 |
| 10°-20° | 101.0 | 4.9 |
| 20°-30° | 147.3 | 7.1 |
| 30°-40° | 219.0 | 10.6 |
| 40°-50° | 321.1 | 15.5 |
| 50°-60° | 462.0 | 22.3 |
| 60°-70° | 518.3 | 25.0 |
| 70°-80° | 227.4 | 11.0 |
| 80°-90° | 23.9 | 1.2 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 2072.0 | 100.0 |
| 0°-180° | 2072.0 | 100.0 |

Coefficient of Utilization



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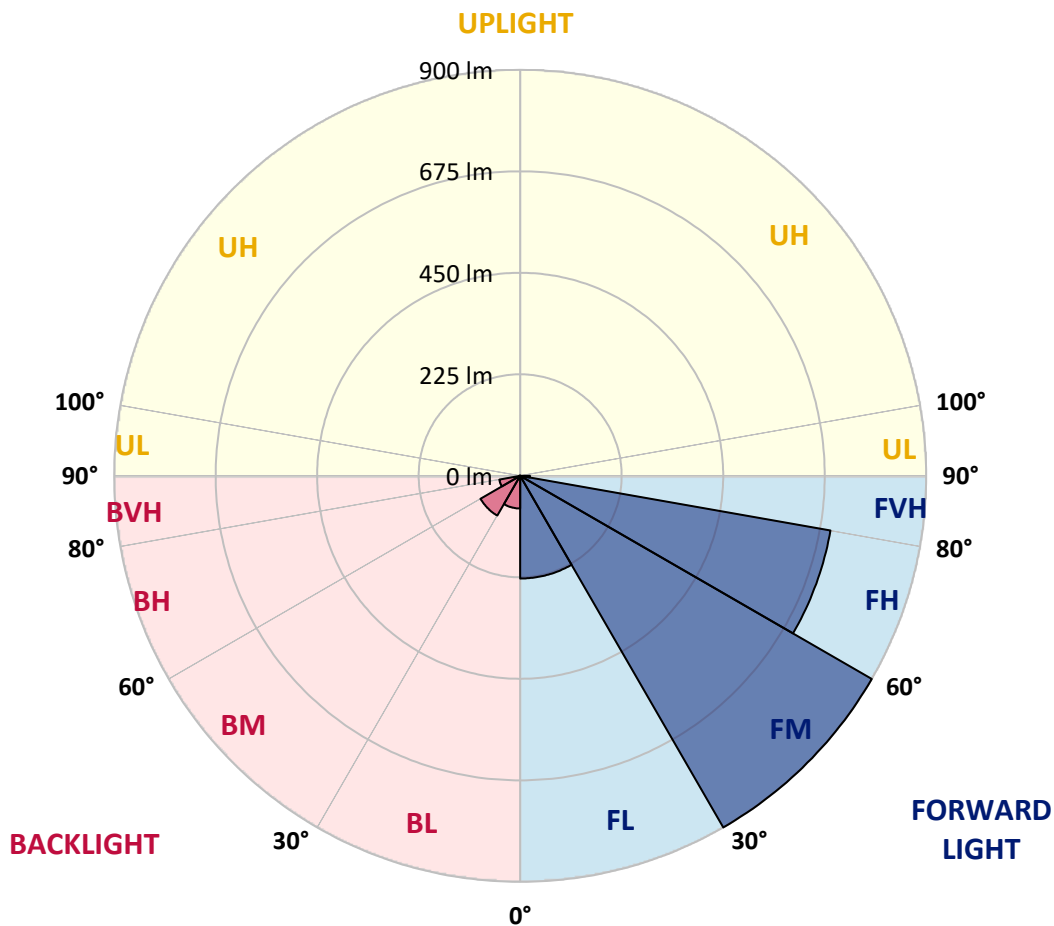
CATALOG NUMBER: ISS-SA1A-740-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 227.8 | 11.0 | | | |
| FM (30°-60°) | 900.4 | 43.5 | | | |
| FH (60°-80°) | 698.8 | 33.7 | | | G1/1800 |
| FVH (80°-90°) | 21.6 | 1.0 | | | G1/100 |
| BL (0°-30°) | 72.5 | 3.5 | B0/110 | | |
| BM (30°-60°) | 101.7 | 4.9 | B0/220 | | |
| BH (60°-80°) | 46.9 | 2.3 | B0/110 | | G0/110 |
| BVH (80°-90°) | 2.3 | 0.1 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B0-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 699.2 | 699.2 | 699.2 | 699.2 | 699.2 | 699.2 | 699.2 | 699.2 | 699.2 | 699.2 | 699.2 |
| 2.5° | 740.0 | 740.0 | 729.1 | 703.2 | 679.4 | 650.5 | 634.6 | 619.7 | 603.8 | 592.8 | 575.9 |
| 5° | 705.2 | 698.2 | 682.3 | 634.6 | 583.9 | 550.0 | 524.2 | 478.4 | 456.5 | 440.6 | 433.7 |
| 7.5° | 647.5 | 643.5 | 617.7 | 562.0 | 501.3 | 446.6 | 411.8 | 374.0 | 344.2 | 332.2 | 311.3 |
| 10° | 607.7 | 603.8 | 570.9 | 495.3 | 424.7 | 384.9 | 357.1 | 330.2 | 301.4 | 272.5 | 250.7 |
| 12.5° | 587.8 | 579.9 | 548.1 | 462.5 | 401.8 | 363.1 | 331.2 | 298.4 | 262.6 | 230.8 | 204.9 |
| 15° | 592.8 | 579.9 | 544.1 | 456.5 | 384.9 | 337.2 | 296.4 | 248.7 | 212.9 | 175.1 | 151.2 |
| 17.5° | 627.6 | 613.7 | 569.9 | 461.5 | 363.1 | 302.4 | 248.7 | 195.0 | 147.2 | 112.4 | 100.5 |
| 20° | 692.3 | 677.4 | 617.7 | 472.5 | 349.1 | 267.6 | 192.0 | 134.3 | 97.5 | 81.6 | 74.6 |
| 22.5° | 774.8 | 754.9 | 684.3 | 490.4 | 333.2 | 232.7 | 145.2 | 95.5 | 74.6 | 64.7 | 59.7 |
| 25° | 861.4 | 841.5 | 762.9 | 517.2 | 323.3 | 202.9 | 112.4 | 74.6 | 60.7 | 54.7 | 51.7 |
| 27.5° | 940.0 | 915.1 | 833.5 | 557.0 | 311.3 | 176.1 | 93.5 | 64.7 | 54.7 | 47.7 | 45.8 |
| 30° | 1011.6 | 982.7 | 904.1 | 590.8 | 294.4 | 152.2 | 80.6 | 59.7 | 50.7 | 44.8 | 41.8 |
| 32.5° | 1072.2 | 1049.4 | 961.8 | 614.7 | 280.5 | 139.3 | 71.6 | 52.7 | 43.8 | 38.8 | 36.8 |
| 35° | 1144.9 | 1123.0 | 1017.5 | 634.6 | 271.5 | 133.3 | 65.6 | 49.7 | 40.8 | 35.8 | 31.8 |
| 37.5° | 1243.3 | 1211.5 | 1079.2 | 652.5 | 261.6 | 128.3 | 60.7 | 46.7 | 38.8 | 32.8 | 29.8 |
| 40° | 1331.8 | 1297.0 | 1150.8 | 665.4 | 256.6 | 124.3 | 59.7 | 44.8 | 36.8 | 30.8 | 27.9 |
| 42.5° | 1410.4 | 1378.6 | 1208.5 | 670.4 | 252.6 | 117.4 | 58.7 | 43.8 | 36.8 | 29.8 | 25.9 |
| 45° | 1460.2 | 1431.3 | 1277.1 | 683.3 | 252.6 | 112.4 | 54.7 | 43.8 | 35.8 | 28.8 | 24.9 |
| 47.5° | 1505.9 | 1478.1 | 1336.8 | 697.3 | 248.7 | 108.4 | 49.7 | 47.7 | 35.8 | 27.9 | 22.9 |
| 50° | 1572.6 | 1550.7 | 1412.4 | 739.0 | 241.7 | 102.4 | 44.8 | 46.7 | 36.8 | 26.9 | 22.9 |
| 52.5° | 1657.1 | 1647.2 | 1523.8 | 795.7 | 231.8 | 91.5 | 39.8 | 43.8 | 36.8 | 25.9 | 21.9 |
| 55° | 1750.6 | 1746.6 | 1640.2 | 847.4 | 219.8 | 78.6 | 36.8 | 39.8 | 35.8 | 23.9 | 19.9 |
| 57.5° | 1807.3 | 1807.3 | 1715.8 | 876.3 | 209.9 | 62.7 | 32.8 | 32.8 | 34.8 | 21.9 | 17.9 |
| 60° | 1828.2 | 1806.3 | 1706.8 | 873.3 | 193.0 | 51.7 | 29.8 | 26.9 | 36.8 | 18.9 | 15.9 |
| 62.5° | 1826.2 | 1778.4 | 1623.3 | 825.6 | 170.1 | 47.7 | 25.9 | 22.9 | 26.9 | 16.9 | 13.9 |
| 65° | 1772.5 | 1714.8 | 1496.0 | 719.1 | 153.2 | 47.7 | 21.9 | 18.9 | 17.9 | 14.9 | 10.9 |
| 67.5° | 1624.3 | 1589.5 | 1310.0 | 609.7 | 141.2 | 47.7 | 18.9 | 15.9 | 13.9 | 11.9 | 9.9 |
| 70° | 1379.6 | 1333.8 | 1055.3 | 470.5 | 132.3 | 47.7 | 15.9 | 13.9 | 12.9 | 9.9 | 8.0 |
| 72.5° | 899.2 | 873.3 | 645.5 | 323.3 | 108.4 | 46.7 | 13.9 | 12.9 | 11.9 | 9.0 | 7.0 |
| 75° | 489.4 | 452.6 | 355.1 | 115.4 | 77.6 | 33.8 | 11.9 | 10.9 | 9.0 | 8.0 | 6.0 |
| 77.5° | 211.9 | 203.9 | 181.0 | 30.8 | 22.9 | 9.9 | 7.0 | 7.0 | 6.0 | 6.0 | 4.0 |
| 80° | 27.9 | 20.9 | 23.9 | 9.0 | 8.0 | 5.0 | 4.0 | 3.0 | 3.0 | 3.0 | 2.0 |
| 82.5° | 1.0 | 1.0 | 0.0 | 1.0 | 3.0 | 2.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 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 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 699.2 | 699.2 | 699.2 | 699.2 | 699.2 | 699.2 | 699.2 | 699.2 | 699.2 | 699.2 | 699.2 |
| 2.5° | 583.9 | 571.9 | 563.0 | 563.0 | 574.9 | 567.9 | 575.9 | 570.9 | 584.9 | 591.8 | 589.8 |
| 5° | 418.8 | 423.7 | 418.8 | 426.7 | 439.6 | 446.6 | 450.6 | 460.5 | 459.5 | 463.5 | 470.5 |
| 7.5° | 303.4 | 303.4 | 305.4 | 303.4 | 315.3 | 328.2 | 335.2 | 332.2 | 330.2 | 326.2 | 333.2 |
| 10° | 243.7 | 232.7 | 219.8 | 219.8 | 221.8 | 228.8 | 229.8 | 224.8 | 217.8 | 204.9 | 208.9 |
| 12.5° | 191.0 | 183.0 | 175.1 | 158.2 | 157.2 | 153.2 | 152.2 | 138.3 | 127.3 | 123.3 | 123.3 |
| 15° | 140.2 | 135.3 | 126.3 | 118.4 | 110.4 | 106.4 | 99.5 | 82.6 | 71.6 | 70.6 | 71.6 |
| 17.5° | 93.5 | 90.5 | 87.5 | 87.5 | 84.5 | 77.6 | 70.6 | 59.7 | 54.7 | 52.7 | 53.7 |
| 20° | 69.6 | 68.6 | 65.6 | 66.6 | 66.6 | 60.7 | 53.7 | 48.7 | 46.7 | 46.7 | 47.7 |
| 22.5° | 57.7 | 56.7 | 53.7 | 53.7 | 53.7 | 50.7 | 45.8 | 42.8 | 41.8 | 41.8 | 41.8 |
| 25° | 49.7 | 48.7 | 46.7 | 45.8 | 45.8 | 43.8 | 39.8 | 37.8 | 36.8 | 36.8 | 36.8 |
| 27.5° | 44.8 | 43.8 | 41.8 | 39.8 | 39.8 | 37.8 | 35.8 | 32.8 | 32.8 | 32.8 | 32.8 |
| 30° | 39.8 | 38.8 | 37.8 | 35.8 | 34.8 | 32.8 | 30.8 | 29.8 | 28.8 | 28.8 | 28.8 |
| 32.5° | 35.8 | 34.8 | 33.8 | 32.8 | 30.8 | 28.8 | 26.9 | 25.9 | 24.9 | 24.9 | 24.9 |
| 35° | 30.8 | 28.8 | 27.9 | 28.8 | 27.9 | 24.9 | 23.9 | 21.9 | 20.9 | 20.9 | 20.9 |
| 37.5° | 27.9 | 25.9 | 23.9 | 22.9 | 22.9 | 22.9 | 20.9 | 18.9 | 17.9 | 16.9 | 17.9 |
| 40° | 25.9 | 23.9 | 21.9 | 19.9 | 18.9 | 19.9 | 17.9 | 15.9 | 14.9 | 13.9 | 14.9 |
| 42.5° | 23.9 | 21.9 | 18.9 | 16.9 | 14.9 | 16.9 | 14.9 | 12.9 | 11.9 | 10.9 | 11.9 |
| 45° | 22.9 | 20.9 | 17.9 | 14.9 | 12.9 | 12.9 | 12.9 | 10.9 | 9.0 | 9.0 | 9.0 |
| 47.5° | 21.9 | 19.9 | 15.9 | 12.9 | 10.9 | 9.9 | 9.9 | 8.0 | 7.0 | 6.0 | 6.0 |
| 50° | 20.9 | 18.9 | 14.9 | 10.9 | 9.0 | 8.0 | 8.0 | 6.0 | 5.0 | 5.0 | 5.0 |
| 52.5° | 19.9 | 17.9 | 13.9 | 9.9 | 8.0 | 6.0 | 5.0 | 4.0 | 4.0 | 3.0 | 3.0 |
| 55° | 17.9 | 15.9 | 11.9 | 9.0 | 7.0 | 5.0 | 4.0 | 3.0 | 3.0 | 2.0 | 3.0 |
| 57.5° | 16.9 | 14.9 | 10.9 | 8.0 | 6.0 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 60° | 14.9 | 12.9 | 9.0 | 6.0 | 4.0 | 3.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 |
| 62.5° | 11.9 | 10.9 | 8.0 | 5.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 65° | 10.9 | 9.9 | 7.0 | 4.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 67.5° | 9.0 | 8.0 | 5.0 | 3.0 | 1.0 | 1.0 | 0.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| 70° | 7.0 | 7.0 | 4.0 | 2.0 | 1.0 | 0.0 | 0.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| 72.5° | 6.0 | 6.0 | 4.0 | 1.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 0.0 |
| 75° | 5.0 | 5.0 | 4.0 | 2.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 77.5° | 4.0 | 3.0 | 2.0 | 1.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 80° | 2.0 | 2.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 82.5° | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 2.0 | 2.0 | 1.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 2.0 | 2.0 | 2.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0° | 699.2 | 699.2 | 699.2 | 699.2 | 699.2 | 699.2 | 699.2 | 699.2 | 699.2 | 699.2 | 699.2 |
| 2.5° | 594.8 | 610.7 | 628.6 | 639.6 | 663.4 | 684.3 | 709.2 | 731.1 | 756.9 | 770.9 | 775.8 |
| 5° | 477.4 | 486.4 | 509.3 | 539.1 | 566.0 | 603.8 | 647.5 | 696.3 | 749.0 | 773.8 | 791.7 |
| 7.5° | 329.2 | 337.2 | 370.0 | 397.9 | 442.6 | 491.4 | 551.0 | 617.7 | 686.3 | 721.1 | 753.0 |
| 10° | 214.8 | 225.8 | 253.6 | 292.4 | 349.1 | 408.8 | 469.5 | 539.1 | 618.7 | 659.5 | 702.2 |
| 12.5° | 124.3 | 137.3 | 171.1 | 221.8 | 277.5 | 341.2 | 403.8 | 480.4 | 568.9 | 613.7 | 657.5 |
| 15° | 71.6 | 76.6 | 96.5 | 141.2 | 203.9 | 281.5 | 355.1 | 437.6 | 541.1 | 590.8 | 642.5 |
| 17.5° | 53.7 | 56.7 | 62.7 | 81.6 | 130.3 | 215.8 | 319.3 | 424.7 | 544.1 | 610.7 | 656.5 |
| 20° | 47.7 | 49.7 | 52.7 | 59.7 | 82.6 | 153.2 | 275.5 | 415.8 | 572.9 | 658.5 | 714.2 |
| 22.5° | 42.8 | 44.8 | 47.7 | 52.7 | 62.7 | 103.4 | 229.8 | 414.8 | 620.7 | 729.1 | 791.7 |
| 25° | 37.8 | 39.8 | 42.8 | 47.7 | 55.7 | 74.6 | 178.0 | 411.8 | 680.3 | 806.7 | 885.2 |
| 27.5° | 32.8 | 34.8 | 37.8 | 42.8 | 49.7 | 61.7 | 135.3 | 402.8 | 752.0 | 890.2 | 973.8 |
| 30° | 28.8 | 30.8 | 33.8 | 37.8 | 44.8 | 53.7 | 103.4 | 387.9 | 813.6 | 964.8 | 1033.4 |
| 32.5° | 24.9 | 26.9 | 29.8 | 33.8 | 39.8 | 46.7 | 83.6 | 356.1 | 861.4 | 1023.5 | 1082.2 |
| 35° | 20.9 | 22.9 | 25.9 | 29.8 | 34.8 | 39.8 | 68.6 | 304.4 | 910.1 | 1084.2 | 1140.9 |
| 37.5° | 17.9 | 19.9 | 21.9 | 25.9 | 30.8 | 35.8 | 56.7 | 271.5 | 945.9 | 1159.8 | 1215.5 |
| 40° | 14.9 | 16.9 | 19.9 | 22.9 | 26.9 | 33.8 | 45.8 | 227.8 | 981.7 | 1232.4 | 1284.1 |
| 42.5° | 11.9 | 13.9 | 16.9 | 20.9 | 24.9 | 29.8 | 36.8 | 188.0 | 1017.5 | 1298.0 | 1346.8 |
| 45° | 9.0 | 10.9 | 13.9 | 18.9 | 24.9 | 25.9 | 29.8 | 160.1 | 1026.5 | 1359.7 | 1401.5 |
| 47.5° | 7.0 | 8.0 | 10.9 | 15.9 | 23.9 | 22.9 | 24.9 | 139.3 | 1043.4 | 1408.4 | 1455.2 |
| 50° | 5.0 | 6.0 | 9.0 | 14.9 | 20.9 | 18.9 | 21.9 | 131.3 | 1067.3 | 1446.2 | 1471.1 |
| 52.5° | 4.0 | 5.0 | 7.0 | 12.9 | 16.9 | 16.9 | 19.9 | 139.3 | 1098.1 | 1491.0 | 1511.9 |
| 55° | 3.0 | 4.0 | 6.0 | 9.0 | 12.9 | 14.9 | 18.9 | 150.2 | 1157.8 | 1569.6 | 1565.6 |
| 57.5° | 2.0 | 3.0 | 5.0 | 7.0 | 9.9 | 12.9 | 17.9 | 167.1 | 1218.5 | 1658.1 | 1662.1 |
| 60° | 2.0 | 3.0 | 4.0 | 6.0 | 9.0 | 10.9 | 15.9 | 169.1 | 1208.5 | 1671.0 | 1729.7 |
| 62.5° | 1.0 | 2.0 | 4.0 | 5.0 | 7.0 | 9.0 | 13.9 | 142.2 | 1113.0 | 1608.4 | 1693.9 |
| 65° | 1.0 | 2.0 | 3.0 | 5.0 | 6.0 | 8.0 | 10.9 | 90.5 | 968.8 | 1497.0 | 1610.4 |
| 67.5° | 1.0 | 2.0 | 3.0 | 4.0 | 5.0 | 7.0 | 9.0 | 46.7 | 821.6 | 1381.6 | 1491.0 |
| 70° | 1.0 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 | 8.0 | 22.9 | 622.7 | 1164.7 | 1306.0 |
| 72.5° | 1.0 | 2.0 | 3.0 | 4.0 | 4.0 | 5.0 | 7.0 | 15.9 | 399.9 | 875.3 | 1011.6 |
| 75° | 1.0 | 2.0 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 | 10.9 | 258.6 | 588.8 | 766.9 |
| 77.5° | 1.0 | 2.0 | 2.0 | 3.0 | 4.0 | 5.0 | 7.0 | 9.9 | 189.0 | 403.8 | 530.2 |
| 80° | 1.0 | 2.0 | 2.0 | 3.0 | 4.0 | 4.0 | 5.0 | 7.0 | 101.5 | 267.6 | 337.2 |
| 82.5° | 2.0 | 2.0 | 3.0 | 3.0 | 3.0 | 4.0 | 5.0 | 5.0 | 52.7 | 171.1 | 227.8 |
| 85° | 2.0 | 2.0 | 3.0 | 3.0 | 4.0 | 4.0 | 4.0 | 5.0 | 22.9 | 71.6 | 113.4 |
| 87.5° | 2.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.0 | 4.0 | 4.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P437009
 CATALOG NUMBER: ISS-SA1A-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 699.2 | 699.2 | 699.2 | 699.2 | 699.2 | 699.2 | 699.2 | 699.2 | 699.2 | 699.2 |
| 2.5° | 790.8 | 803.7 | 809.7 | 804.7 | 800.7 | 788.8 | 771.9 | 754.9 | 741.0 | 740.0 |
| 5° | 832.5 | 860.4 | 882.3 | 871.3 | 856.4 | 821.6 | 778.8 | 731.1 | 713.2 | 705.2 |
| 7.5° | 823.6 | 884.3 | 921.1 | 911.1 | 881.3 | 815.6 | 749.0 | 686.3 | 657.5 | 647.5 |
| 10° | 782.8 | 864.4 | 913.1 | 910.1 | 882.3 | 804.7 | 722.1 | 646.5 | 615.7 | 607.7 |
| 12.5° | 745.0 | 825.6 | 872.3 | 874.3 | 864.4 | 792.7 | 709.2 | 628.6 | 591.8 | 587.8 |
| 15° | 725.1 | 793.7 | 821.6 | 827.6 | 831.5 | 791.7 | 721.1 | 640.6 | 601.8 | 592.8 |
| 17.5° | 729.1 | 761.9 | 768.9 | 763.9 | 790.8 | 792.7 | 754.9 | 682.3 | 638.6 | 627.6 |
| 20° | 753.0 | 741.0 | 718.1 | 723.1 | 753.0 | 796.7 | 805.7 | 755.9 | 706.2 | 692.3 |
| 22.5° | 798.7 | 740.0 | 694.3 | 690.3 | 729.1 | 803.7 | 860.4 | 834.5 | 782.8 | 774.8 |
| 25° | 866.3 | 754.9 | 684.3 | 676.4 | 710.2 | 810.6 | 916.1 | 917.1 | 876.3 | 861.4 |
| 27.5° | 932.0 | 778.8 | 683.3 | 675.4 | 710.2 | 819.6 | 953.9 | 998.6 | 955.9 | 940.0 |
| 30° | 969.8 | 806.7 | 699.2 | 684.3 | 723.1 | 827.6 | 978.7 | 1063.3 | 1025.5 | 1011.6 |
| 32.5° | 1004.6 | 836.5 | 716.2 | 698.2 | 748.0 | 849.4 | 1001.6 | 1122.0 | 1089.2 | 1072.2 |
| 35° | 1033.4 | 871.3 | 748.0 | 720.1 | 784.8 | 881.3 | 1029.5 | 1186.6 | 1165.7 | 1144.9 |
| 37.5° | 1061.3 | 906.1 | 792.7 | 776.8 | 846.5 | 927.0 | 1066.3 | 1254.3 | 1264.2 | 1243.3 |
| 40° | 1101.1 | 945.9 | 869.3 | 856.4 | 937.0 | 996.6 | 1111.0 | 1321.9 | 1354.7 | 1331.8 |
| 42.5° | 1138.9 | 996.6 | 946.9 | 958.8 | 1046.4 | 1077.2 | 1161.8 | 1383.6 | 1420.4 | 1410.4 |
| 45° | 1173.7 | 1059.3 | 1059.3 | 1088.2 | 1164.7 | 1165.7 | 1200.6 | 1426.3 | 1465.1 | 1460.2 |
| 47.5° | 1219.5 | 1136.9 | 1175.7 | 1255.3 | 1296.0 | 1242.3 | 1242.3 | 1467.1 | 1519.8 | 1505.9 |
| 50° | 1264.2 | 1240.3 | 1329.9 | 1402.5 | 1438.3 | 1334.8 | 1285.1 | 1521.8 | 1584.5 | 1572.6 |
| 52.5° | 1312.9 | 1340.8 | 1474.1 | 1545.7 | 1566.6 | 1440.3 | 1349.8 | 1576.5 | 1657.1 | 1657.1 |
| 55° | 1391.5 | 1426.3 | 1626.3 | 1685.9 | 1715.8 | 1527.8 | 1432.3 | 1654.1 | 1745.6 | 1750.6 |
| 57.5° | 1472.1 | 1508.9 | 1711.8 | 1787.4 | 1826.2 | 1657.1 | 1538.7 | 1757.6 | 1808.3 | 1807.3 |
| 60° | 1556.6 | 1595.4 | 1778.4 | 1853.0 | 1909.7 | 1789.4 | 1665.1 | 1852.1 | 1838.1 | 1828.2 |
| 62.5° | 1661.1 | 1661.1 | 1803.3 | 1838.1 | 1906.8 | 1872.9 | 1807.3 | 1905.8 | 1849.1 | 1826.2 |
| 65° | 1711.8 | 1695.9 | 1731.7 | 1705.8 | 1784.4 | 1849.1 | 1915.7 | 1907.8 | 1810.3 | 1772.5 |
| 67.5° | 1685.0 | 1588.5 | 1526.8 | 1488.0 | 1504.9 | 1616.3 | 1868.0 | 1813.3 | 1653.1 | 1624.3 |
| 70° | 1500.9 | 1270.2 | 1212.5 | 1150.8 | 1118.0 | 1233.4 | 1614.3 | 1601.4 | 1406.4 | 1379.6 |
| 72.5° | 1223.4 | 917.1 | 777.8 | 840.5 | 808.7 | 939.0 | 1322.9 | 1129.9 | 923.0 | 899.2 |
| 75° | 1015.5 | 682.3 | 507.3 | 508.3 | 513.2 | 616.7 | 966.8 | 671.4 | 507.3 | 489.4 |
| 77.5° | 735.1 | 480.4 | 409.8 | 367.0 | 371.0 | 393.9 | 503.3 | 286.5 | 233.7 | 211.9 |
| 80° | 448.6 | 297.4 | 331.2 | 294.4 | 284.5 | 218.8 | 216.8 | 41.8 | 27.9 | 27.9 |
| 82.5° | 244.7 | 189.0 | 176.1 | 63.7 | 98.5 | 119.4 | 98.5 | 2.0 | 1.0 | 1.0 |
| 85° | 124.3 | 75.6 | 35.8 | 10.9 | 12.9 | 10.9 | 2.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 4.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.0 | 1.0 | 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 |

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Test Information

Test Method: LM-79-08
 Report Number: SP1-2101-121-2
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1
 Measurement Geometry: 4π
 Issue Date: 03/05/2021
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: **IFLD-S-SA2A-740-U-T3R-HSS**
 Description: STREETWORKS INF FLOOD

SHIELD, DRIVER PROGRAMMED @ 615mA.

Spectral Parameters

| | | | | | |
|---------------------------|---------|-----------|------|------|-------|
| CCT (K): | 3905 | CRI (Ra): | 71.2 | R9: | -29.7 |
| CIE u': | 0.2273 | R1: | 68.9 | R10: | 46.2 |
| CIE v': | 0.5024 | R2: | 77.0 | R11: | 68.8 |
| Duv: | -0.0008 | R3: | 84.0 | R12: | 45.6 |
| CIE x: | 0.3841 | R4: | 71.6 | R13: | 69.5 |
| CIE y: | 0.3774 | R5: | 68.9 | R14: | 90.7 |
| CIE z: | 0.2385 | R6: | 68.3 | | |
| Peak Wavelength (nm): | 443 | R7: | 78.7 | | |
| Dominant Wavelength (nm): | 579 | R8: | 52.2 | | |
| Purity: | 28.7 | | | | |
| Rf: | 71.7 | | | | |
| Rg: | 96.9 | | | | |



Test Conditions

Stabilization Time: 211M
 Operation Time: 12H
 Room Temperature (°C) / RH%: 24.8/312%
 Sphere Temperature (°C): 24.1

REPORT NUMBER: SP1-2101-121-2

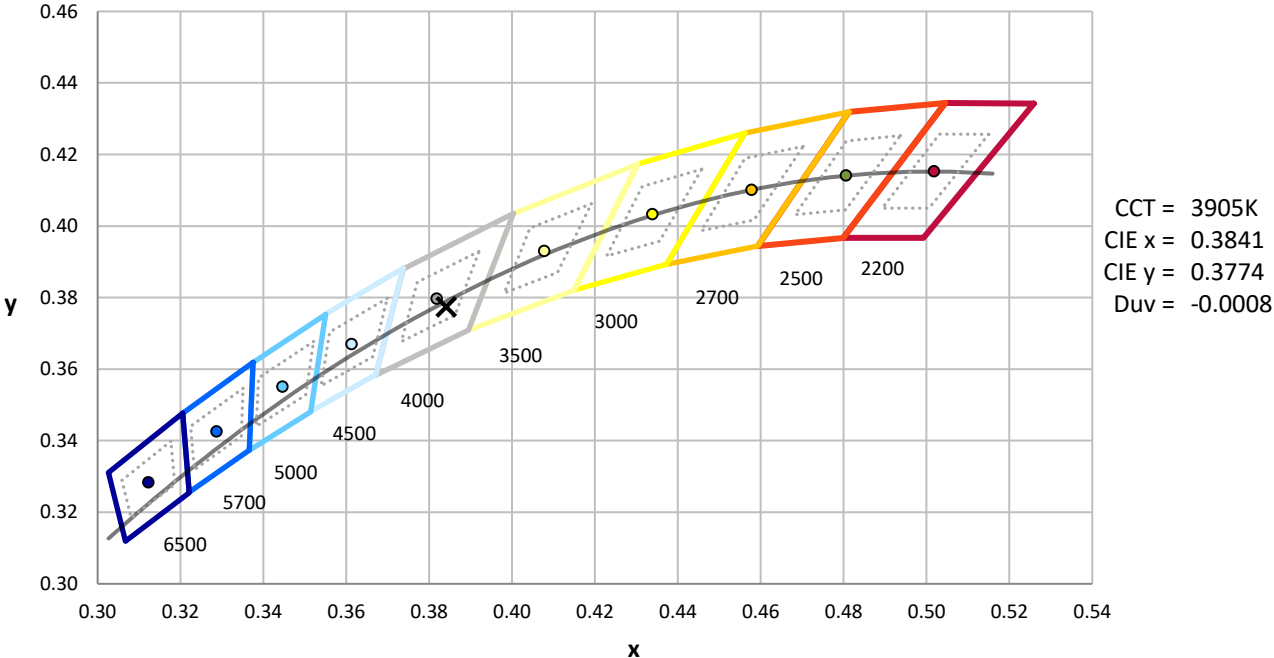
| Measurement and Test Equipment | | | |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 1/31/2021 | 7/31/2021 |
| Power Meter | IN0071 | 12/1/2020 | 12/1/2021 |
| AC Power Source | IN0063 | 12/1/2020 | 12/1/2021 |
| DC Power Source | IN0208 | 12/1/2020 | 12/1/2021 |
| Sphere Thermometer | IN0085 | 12/1/2020 | 12/1/2021 |
| Room Thermometer | IN0046 | 12/1/2020 | 12/1/2021 |

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CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2101-121-2

Photopic Flux vs. Wavelength



#####

| λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) |
|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|
| 360 | 2304 | 0.0 | 490 | 19043 | 2.7 | 620 | 97577 | 25.4 | 750 | 4830 | 0.0 | 880 | 3505 | 0.0 |
| 365 | 2150 | 0.0 | 495 | 26606 | 4.8 | 625 | 90158 | 19.9 | 755 | 4664 | 0.0 | 885 | 2991 | 0.0 |
| 370 | 2146 | 0.0 | 500 | 36376 | 8.0 | 630 | 82240 | 14.9 | 760 | 4006 | 0.0 | 890 | 2327 | 0.0 |
| 375 | 2332 | 0.0 | 505 | 47714 | 13.3 | 635 | 74361 | 11.2 | 765 | 3715 | 0.0 | 895 | 2775 | 0.0 |
| 380 | 2527 | 0.0 | 510 | 58741 | 20.2 | 640 | 66994 | 8.0 | 770 | 3696 | 0.0 | 900 | 2141 | 0.0 |
| 385 | 2304 | 0.0 | 515 | 68716 | 28.5 | 645 | 60405 | 5.8 | 775 | 3117 | 0.0 | 905 | 2421 | 0.0 |
| 390 | 2064 | 0.0 | 520 | 77136 | 37.4 | 650 | 53806 | 3.9 | 780 | 3062 | 0.0 | 910 | 2200 | 0.0 |
| 395 | 1856 | 0.0 | 525 | 83567 | 44.9 | 655 | 47610 | 2.7 | 785 | 2907 | 0.0 | 915 | 2716 | 0.0 |
| 400 | 1856 | 0.0 | 530 | 89283 | 52.6 | 660 | 42018 | 1.8 | 790 | 2655 | 0.0 | 920 | 2656 | 0.0 |
| 405 | 2374 | 0.0 | 535 | 94097 | 58.4 | 665 | 36742 | 1.2 | 795 | 2467 | 0.0 | 925 | 2671 | 0.0 |
| 410 | 4084 | 0.0 | 540 | 96845 | 63.1 | 670 | 32105 | 0.7 | 800 | 2609 | 0.0 | 930 | 3292 | 0.0 |
| 415 | 8543 | 0.0 | 545 | 100829 | 67.1 | 675 | 27946 | 0.5 | 805 | 2293 | 0.0 | 935 | 3188 | 0.0 |
| 420 | 18394 | 0.1 | 550 | 105648 | 71.8 | 680 | 24146 | 0.3 | 810 | 2188 | 0.0 | 940 | 1997 | 0.0 |
| 425 | 37987 | 0.2 | 555 | 110017 | 75.1 | 685 | 21191 | 0.2 | 815 | 2386 | 0.0 | 945 | 2623 | 0.0 |
| 430 | 67605 | 0.5 | 560 | 114586 | 77.9 | 690 | 18544 | 0.1 | 820 | 2712 | 0.0 | 950 | 2969 | 0.0 |
| 435 | 102160 | 1.2 | 565 | 118987 | 79.1 | 695 | 16058 | 0.1 | 825 | 2473 | 0.0 | 955 | 2277 | 0.0 |
| 440 | 135103 | 2.1 | 570 | 122326 | 79.5 | 700 | 14133 | 0.0 | 830 | 1969 | 0.0 | 960 | 4267 | 0.0 |
| 445 | 140126 | 2.9 | 575 | 125968 | 78.4 | 705 | 12309 | 0.0 | 835 | 1917 | 0.0 | 965 | 2034 | 0.0 |
| 450 | 102339 | 2.7 | 580 | 127613 | 75.8 | 710 | 11142 | 0.0 | 840 | 2248 | 0.0 | 970 | 3586 | 0.0 |
| 455 | 58751 | 2.0 | 585 | 129466 | 71.9 | 715 | 10143 | 0.0 | 845 | 2266 | 0.0 | 975 | 2505 | 0.0 |
| 460 | 36892 | 1.5 | 590 | 128813 | 66.6 | 720 | 9072 | 0.0 | 850 | 2558 | 0.0 | 980 | 2666 | 0.0 |
| 465 | 24637 | 1.3 | 595 | 126387 | 59.9 | 725 | 8130 | 0.0 | 855 | 2767 | 0.0 | 985 | 2934 | 0.0 |
| 470 | 16738 | 1.0 | 600 | 123477 | 53.2 | 730 | 7149 | 0.0 | 860 | 2826 | 0.0 | 990 | 4120 | 0.0 |
| 475 | 13456 | 1.1 | 605 | 118718 | 46.0 | 735 | 6311 | 0.0 | 865 | 2385 | 0.0 | 995 | 3858 | 0.0 |
| 480 | 13081 | 1.2 | 610 | 112091 | 38.5 | 740 | 5711 | 0.0 | 870 | 3194 | 0.0 | 1000 | 3405 | 0.0 |
| 485 | 14734 | 1.7 | 615 | 105039 | 31.7 | 745 | 5111 | 0.0 | 875 | 3189 | 0.0 | | | |

REPORT NUMBER: SP1-2101-121-2

Scotopic Flux vs. Wavelength



Scotopic Lumens: 10425.8 S/P: 1.47

| λ (nm) | Power (µW/nm) | Lumens (Φ/nm) | λ (nm) | Power (µW/nm) | Lumens (Φ/nm) | λ (nm) | Power (µW/nm) | Lumens (Φ/nm) | λ (nm) | Power (µW/nm) | Lumens (Φ/nm) | λ (nm) | Power (µW/nm) | Lumens (Φ/nm) |
|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|
| 360 | 2304 | 0.0 | 490 | 19043 | 29.3 | 620 | 97577 | 1.2 | 750 | 4830 | 0.0 | 880 | 3505 | 0.0 |
| 365 | 2150 | 0.0 | 495 | 26606 | 43.0 | 625 | 90158 | 0.8 | 755 | 4664 | 0.0 | 885 | 2991 | 0.0 |
| 370 | 2146 | 0.0 | 500 | 36376 | 60.8 | 630 | 82240 | 0.5 | 760 | 4006 | 0.0 | 890 | 2327 | 0.0 |
| 375 | 2332 | 0.0 | 505 | 47714 | 81.1 | 635 | 74361 | 0.3 | 765 | 3715 | 0.0 | 895 | 2775 | 0.0 |
| 380 | 2527 | 0.0 | 510 | 58741 | 99.6 | 640 | 66994 | 0.2 | 770 | 3696 | 0.0 | 900 | 2141 | 0.0 |
| 385 | 2304 | 0.0 | 515 | 68716 | 113.9 | 645 | 60405 | 0.1 | 775 | 3117 | 0.0 | 905 | 2421 | 0.0 |
| 390 | 2064 | 0.0 | 520 | 77136 | 122.6 | 650 | 53806 | 0.1 | 780 | 3062 | 0.0 | 910 | 2200 | 0.0 |
| 395 | 1856 | 0.0 | 525 | 83567 | 125.0 | 655 | 47610 | 0.0 | 785 | 2907 | 0.0 | 915 | 2716 | 0.0 |
| 400 | 1856 | 0.0 | 530 | 89283 | 123.1 | 660 | 42018 | 0.0 | 790 | 2655 | 0.0 | 920 | 2656 | 0.0 |
| 405 | 2374 | 0.1 | 535 | 94097 | 117.3 | 665 | 36742 | 0.0 | 795 | 2467 | 0.0 | 925 | 2671 | 0.0 |
| 410 | 4084 | 0.2 | 540 | 96845 | 107.0 | 670 | 32105 | 0.0 | 800 | 2609 | 0.0 | 930 | 3292 | 0.0 |
| 415 | 8543 | 0.9 | 545 | 100829 | 96.7 | 675 | 27946 | 0.0 | 805 | 2293 | 0.0 | 935 | 3188 | 0.0 |
| 420 | 18394 | 3.0 | 550 | 105648 | 86.4 | 680 | 24146 | 0.0 | 810 | 2188 | 0.0 | 940 | 1997 | 0.0 |
| 425 | 37987 | 9.3 | 555 | 110017 | 75.2 | 685 | 21191 | 0.0 | 815 | 2386 | 0.0 | 945 | 2623 | 0.0 |
| 430 | 67605 | 23.0 | 560 | 114586 | 64.0 | 690 | 18544 | 0.0 | 820 | 2712 | 0.0 | 950 | 2969 | 0.0 |
| 435 | 102160 | 45.7 | 565 | 118987 | 53.4 | 695 | 16058 | 0.0 | 825 | 2473 | 0.0 | 955 | 2277 | 0.0 |
| 440 | 135103 | 75.5 | 570 | 122326 | 43.2 | 700 | 14133 | 0.0 | 830 | 1969 | 0.0 | 960 | 4267 | 0.0 |
| 445 | 140126 | 93.8 | 575 | 125968 | 34.3 | 705 | 12309 | 0.0 | 835 | 1917 | 0.0 | 965 | 2034 | 0.0 |
| 450 | 102339 | 79.3 | 580 | 127613 | 26.3 | 710 | 11142 | 0.0 | 840 | 2248 | 0.0 | 970 | 3586 | 0.0 |
| 455 | 58751 | 51.3 | 585 | 129466 | 19.8 | 715 | 10143 | 0.0 | 845 | 2266 | 0.0 | 975 | 2505 | 0.0 |
| 460 | 36892 | 35.6 | 590 | 128813 | 14.3 | 720 | 9072 | 0.0 | 850 | 2558 | 0.0 | 980 | 2666 | 0.0 |
| 465 | 24637 | 26.0 | 595 | 126387 | 10.1 | 725 | 8130 | 0.0 | 855 | 2767 | 0.0 | 985 | 2934 | 0.0 |
| 470 | 16738 | 19.3 | 600 | 123477 | 7.0 | 730 | 7149 | 0.0 | 860 | 2826 | 0.0 | 990 | 4120 | 0.0 |
| 475 | 13456 | 16.8 | 605 | 118718 | 4.7 | 735 | 6311 | 0.0 | 865 | 2385 | 0.0 | 995 | 3858 | 0.0 |
| 480 | 13081 | 17.7 | 610 | 112091 | 3.0 | 740 | 5711 | 0.0 | 870 | 3194 | 0.0 | 1000 | 3405 | 0.0 |
| 485 | 14734 | 21.4 | 615 | 105039 | 1.9 | 745 | 5111 | 0.0 | 875 | 3189 | 0.0 | | | |

REPORT NUMBER: SP1-2101-121-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: 3927.2 M/P: 0.55

| λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) |
|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|
| 360 | 2304 | 0.0 | 490 | 19043 | 15.8 | 620 | 97577 | 0.1 | 750 | 4830 | 0.0 | 880 | 3505 | 0.0 |
| 365 | 2150 | 0.0 | 495 | 26606 | 22.0 | 625 | 90158 | 0.0 | 755 | 4664 | 0.0 | 885 | 2991 | 0.0 |
| 370 | 2146 | 0.0 | 500 | 36376 | 29.2 | 630 | 82240 | 0.0 | 760 | 4006 | 0.0 | 890 | 2327 | 0.0 |
| 375 | 2332 | 0.0 | 505 | 47714 | 36.6 | 635 | 74361 | 0.0 | 765 | 3715 | 0.0 | 895 | 2775 | 0.0 |
| 380 | 2527 | 0.0 | 510 | 58741 | 42.2 | 640 | 66994 | 0.0 | 770 | 3696 | 0.0 | 900 | 2141 | 0.0 |
| 385 | 2304 | 0.0 | 515 | 68716 | 44.9 | 645 | 60405 | 0.0 | 775 | 3117 | 0.0 | 905 | 2421 | 0.0 |
| 390 | 2064 | 0.0 | 520 | 77136 | 44.9 | 650 | 53806 | 0.0 | 780 | 3062 | 0.0 | 910 | 2200 | 0.0 |
| 395 | 1856 | 0.0 | 525 | 83567 | 42.4 | 655 | 47610 | 0.0 | 785 | 2907 | 0.0 | 915 | 2716 | 0.0 |
| 400 | 1856 | 0.0 | 530 | 89283 | 38.6 | 660 | 42018 | 0.0 | 790 | 2655 | 0.0 | 920 | 2656 | 0.0 |
| 405 | 2374 | 0.0 | 535 | 94097 | 33.9 | 665 | 36742 | 0.0 | 795 | 2467 | 0.0 | 925 | 2671 | 0.0 |
| 410 | 4084 | 0.2 | 540 | 96845 | 28.3 | 670 | 32105 | 0.0 | 800 | 2609 | 0.0 | 930 | 3292 | 0.0 |
| 415 | 8543 | 0.6 | 545 | 100829 | 23.4 | 675 | 27946 | 0.0 | 805 | 2293 | 0.0 | 935 | 3188 | 0.0 |
| 420 | 18394 | 2.1 | 550 | 105648 | 19.0 | 680 | 24146 | 0.0 | 810 | 2188 | 0.0 | 940 | 1997 | 0.0 |
| 425 | 37987 | 5.9 | 555 | 110017 | 14.8 | 685 | 21191 | 0.0 | 815 | 2386 | 0.0 | 945 | 2623 | 0.0 |
| 430 | 67605 | 14.3 | 560 | 114586 | 11.3 | 690 | 18544 | 0.0 | 820 | 2712 | 0.0 | 950 | 2969 | 0.0 |
| 435 | 102160 | 27.3 | 565 | 118987 | 8.4 | 695 | 16058 | 0.0 | 825 | 2473 | 0.0 | 955 | 2277 | 0.0 |
| 440 | 135103 | 45.1 | 570 | 122326 | 6.0 | 700 | 14133 | 0.0 | 830 | 1969 | 0.0 | 960 | 4267 | 0.0 |
| 445 | 140126 | 55.3 | 575 | 125968 | 4.2 | 705 | 12309 | 0.0 | 835 | 1917 | 0.0 | 965 | 2034 | 0.0 |
| 450 | 102339 | 47.2 | 580 | 127613 | 2.9 | 710 | 11142 | 0.0 | 840 | 2248 | 0.0 | 970 | 3586 | 0.0 |
| 455 | 58751 | 30.8 | 585 | 129466 | 1.9 | 715 | 10143 | 0.0 | 845 | 2266 | 0.0 | 975 | 2505 | 0.0 |
| 460 | 36892 | 21.7 | 590 | 128813 | 1.3 | 720 | 9072 | 0.0 | 850 | 2558 | 0.0 | 980 | 2666 | 0.0 |
| 465 | 24637 | 16.1 | 595 | 126387 | 0.8 | 725 | 8130 | 0.0 | 855 | 2767 | 0.0 | 985 | 2934 | 0.0 |
| 470 | 16738 | 12.0 | 600 | 123477 | 0.5 | 730 | 7149 | 0.0 | 860 | 2826 | 0.0 | 990 | 4120 | 0.0 |
| 475 | 13456 | 10.3 | 605 | 118718 | 0.3 | 735 | 6311 | 0.0 | 865 | 2385 | 0.0 | 995 | 3858 | 0.0 |
| 480 | 13081 | 10.5 | 610 | 112091 | 0.2 | 740 | 5711 | 0.0 | 870 | 3194 | 0.0 | 1000 | 3405 | 0.0 |
| 485 | 14734 | 12.1 | 615 | 105039 | 0.1 | 745 | 5111 | 0.0 | 875 | 3189 | 0.0 | | | |

Summary

$R_f = 71.7$
 $R_g = 96.9$
 CIE $R_a = 71.2$
 $R_g = -29.7$



Color Vector Graphics



Individual Sample Fidelity Index ($R_{f,i}$)

| | | | |
|------------|------------|------------|------------|
| CES01 = 85 | CES26 = 55 | CES51 = 86 | CES76 = 45 |
| CES02 = 61 | CES27 = 80 | CES52 = 87 | CES77 = 68 |
| CES03 = 30 | CES28 = 79 | CES53 = 74 | CES78 = 49 |
| CES04 = 70 | CES29 = 51 | CES54 = 81 | CES79 = 77 |
| CES05 = 47 | CES30 = 60 | CES55 = 80 | CES80 = 75 |
| CES06 = 50 | CES31 = 56 | CES56 = 69 | CES81 = 75 |
| CES07 = 40 | CES32 = 52 | CES57 = 67 | CES82 = 90 |
| CES08 = 39 | CES33 = 62 | CES58 = 69 | CES83 = 85 |
| CES09 = 29 | CES34 = 65 | CES59 = 86 | CES84 = 87 |
| CES10 = 74 | CES35 = 81 | CES60 = 91 | CES85 = 83 |
| CES11 = 57 | CES36 = 92 | CES61 = 85 | CES86 = 72 |
| CES12 = 63 | CES37 = 74 | CES62 = 81 | CES87 = 77 |
| CES13 = 42 | CES38 = 69 | CES63 = 72 | CES88 = 77 |
| CES14 = 74 | CES39 = 92 | CES64 = 69 | CES89 = 72 |
| CES15 = 71 | CES40 = 86 | CES65 = 64 | CES90 = 75 |
| CES16 = 46 | CES41 = 84 | CES66 = 63 | CES91 = 91 |
| CES17 = 49 | CES42 = 75 | CES67 = 60 | CES92 = 66 |
| CES18 = 56 | CES43 = 70 | CES68 = 67 | CES93 = 80 |
| CES19 = 72 | CES44 = 98 | CES69 = 77 | CES94 = 56 |
| CES20 = 65 | CES45 = 80 | CES70 = 57 | CES95 = 72 |
| CES21 = 86 | CES46 = 77 | CES71 = 53 | CES96 = 78 |
| CES22 = 78 | CES47 = 74 | CES72 = 84 | CES97 = 83 |
| CES23 = 92 | CES48 = 66 | CES73 = 47 | CES98 = 73 |
| CES24 = 91 | CES49 = 76 | CES74 = 96 | CES99 = 63 |
| CES25 = 72 | CES50 = 85 | CES75 = 52 | |



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)