

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: INVUE

Report Number: P180831

Luminaire Tested: **ICS-F02-LED-E1-SL4-HSS-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180831
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-F02-LED-E1-SL4-HSS-8030
Description: ICON SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (14) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2552 lumens
Efficiency: N/A
Efficacy: 46.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G1

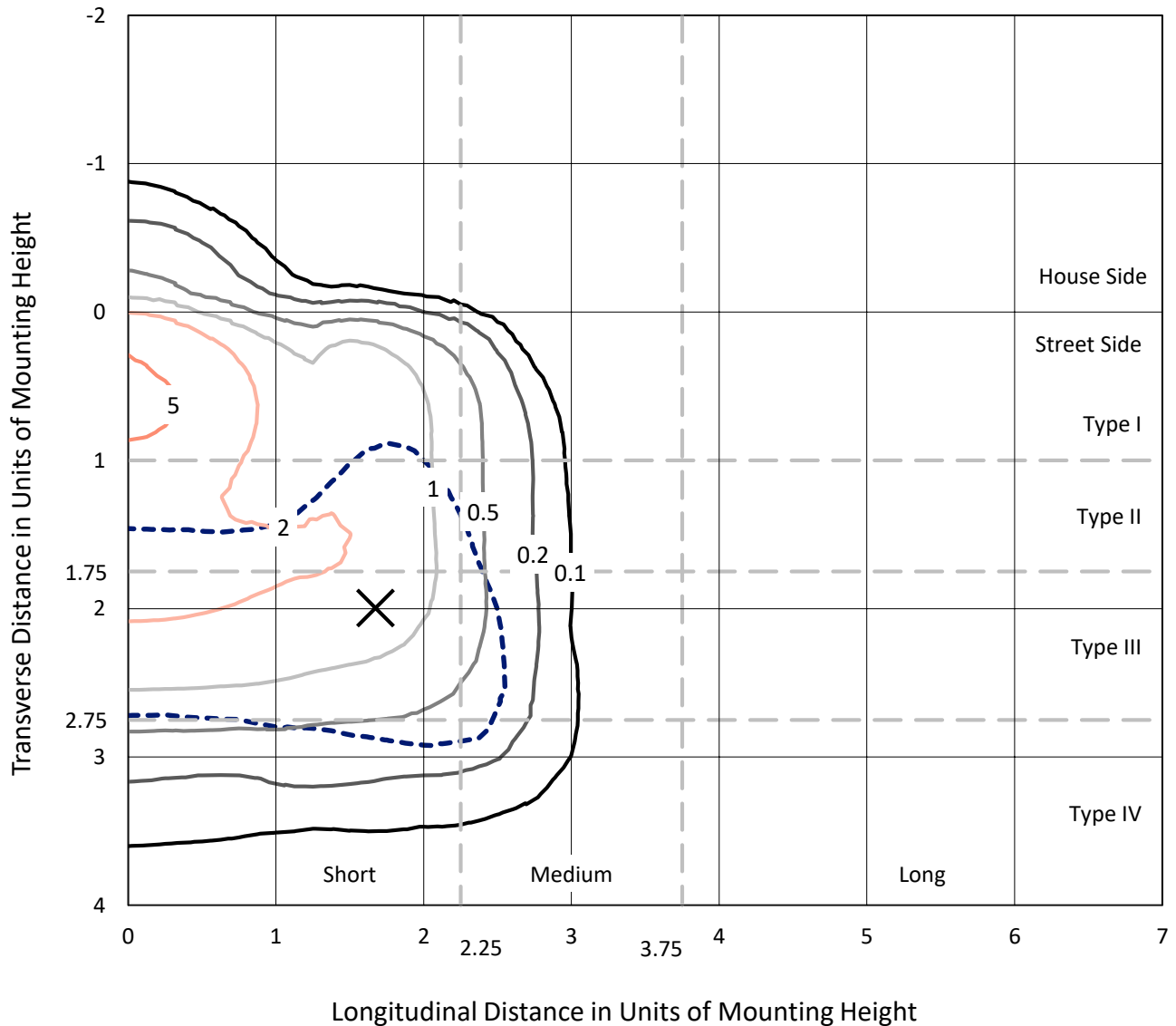
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P180831
 CATALOG NUMBER: ICS-F02-LED-E1-SL4-HSS-8030

Iso-Footcandle Lines of Horizontal Illumination

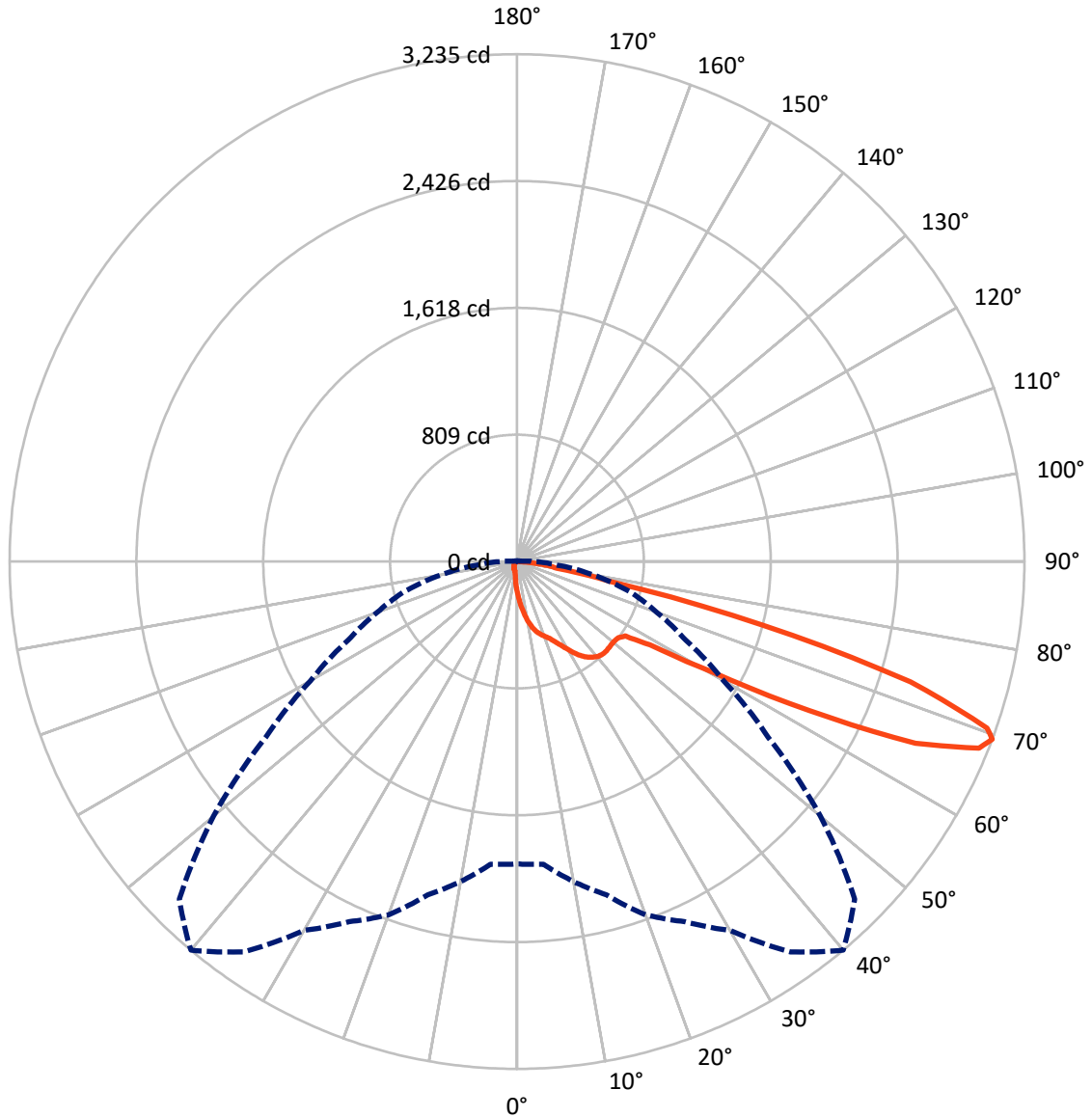
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.7 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P180831
CATALOG NUMBER: ICS-F02-LED-E1-SL4-HSS-8030

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P180831

CATALOG NUMBER: ICS-F02-LED-E1-SL4-HSS-8030

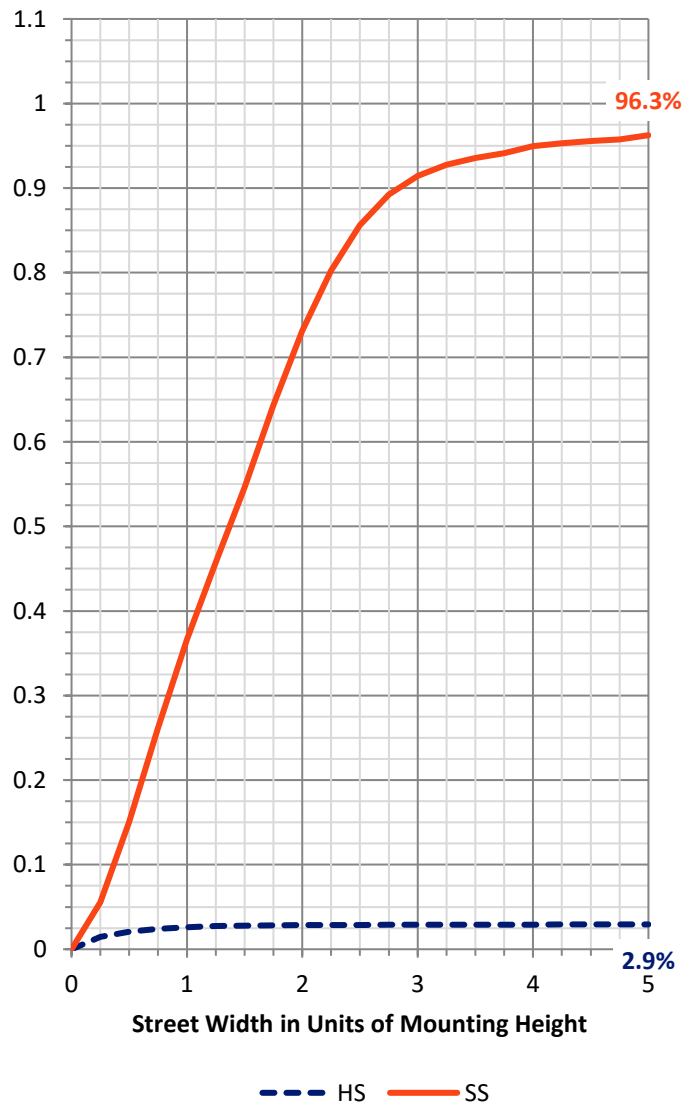
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 76.0 | 0.0 | 76.0 |
| | % Fixture | 3.0 | 0.0 | 3.0 |
| Street Side | Lumens | 2476.0 | 0.0 | 2476.0 |
| | % Fixture | 97.0 | 0.0 | 97.0 |
| Total | Lumens | 2552.0 | 0.0 | 2552.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 19.8 | 0.8 |
| 10°-20° | 68.3 | 2.7 |
| 20°-30° | 130.7 | 5.1 |
| 30°-40° | 217.4 | 8.5 |
| 40°-50° | 294.2 | 11.5 |
| 50°-60° | 460.0 | 18.0 |
| 60°-70° | 945.8 | 37.1 |
| 70°-80° | 380.6 | 14.9 |
| 80°-90° | 35.2 | 1.4 |
| 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° | 2552.0 | 100.0 |
| 0°-180° | 2552.0 | 100.0 |



REPORT NUMBER: P180831

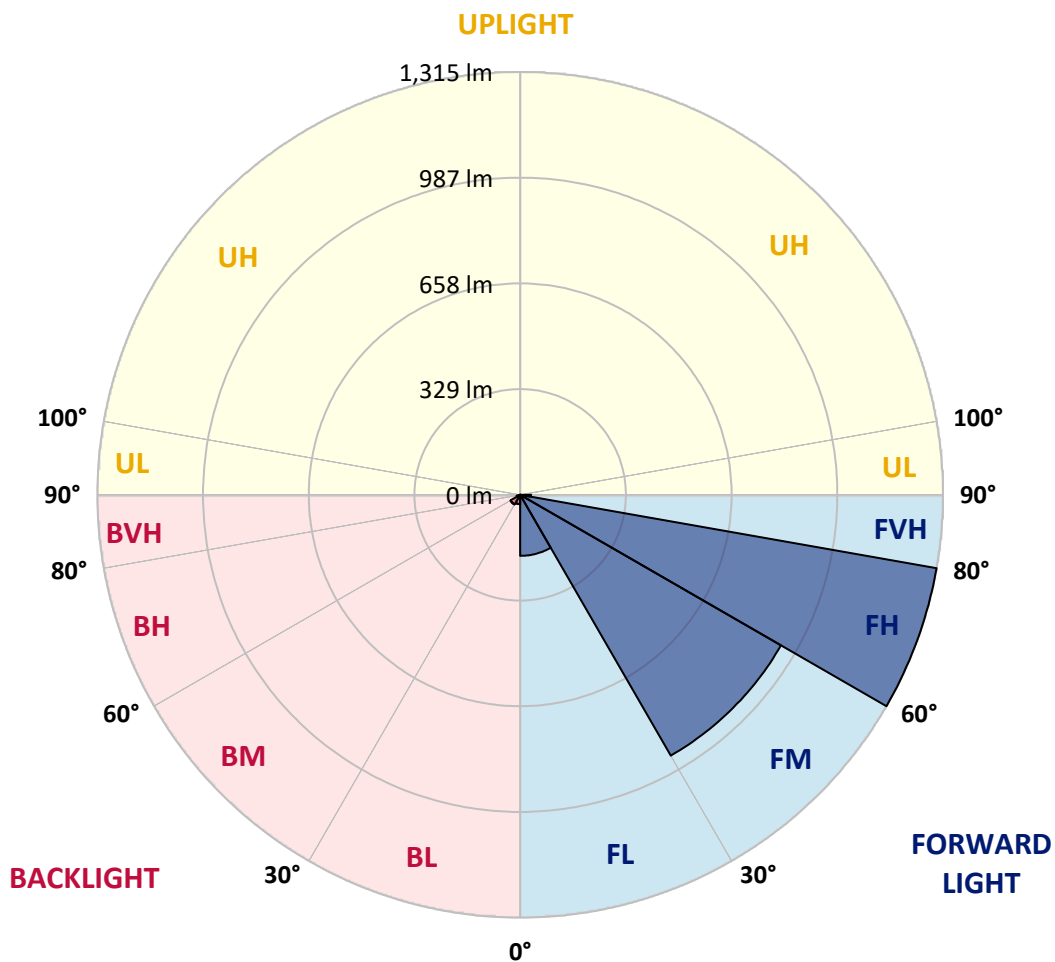
CATALOG NUMBER: ICS-F02-LED-E1-SL4-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 189.9 | 7.4 | | | |
| FM (30°-60°) | 936.9 | 36.7 | | | |
| FH (60°-80°) | 1315.3 | 51.5 | | | G1/1800 |
| FVH (80°-90°) | 33.9 | 1.3 | | | G1/100 |
| BL (0°-30°) | 28.9 | 1.1 | B0/110 | | |
| BM (30°-60°) | 34.7 | 1.4 | B0/220 | | |
| BH (60°-80°) | 11.1 | 0.4 | B0/110 | | G0/110 |
| BVH (80°-90°) | 1.3 | 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





REPORT NUMBER: P180831

CATALOG NUMBER: ICS-F02-LED-E1-SL4-HSS-8030

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 192.7 | 192.7 | 192.7 | 192.7 | 192.7 | 192.7 | 192.7 | 192.7 | 192.7 | 192.7 | 192.7 |
| 2.5° | 257.1 | 254.2 | 250.8 | 250.8 | 246.7 | 246.7 | 244.1 | 237.5 | 236.6 | 232.9 | 229.1 |
| 5° | 328.2 | 325.7 | 321.5 | 317.7 | 314.4 | 308.5 | 304.4 | 296.4 | 287.6 | 279.3 | 271.7 |
| 7.5° | 397.6 | 396.3 | 388.8 | 387.5 | 382.1 | 372.5 | 364.1 | 352.4 | 337.4 | 325.7 | 311.9 |
| 10° | 462.0 | 459.0 | 457.4 | 450.3 | 442.3 | 431.9 | 418.9 | 404.7 | 387.1 | 368.7 | 349.1 |
| 12.5° | 513.0 | 511.3 | 503.8 | 500.8 | 492.5 | 482.0 | 465.7 | 447.3 | 429.8 | 405.9 | 382.9 |
| 15° | 551.0 | 548.1 | 543.1 | 538.5 | 528.4 | 519.2 | 504.2 | 484.1 | 462.8 | 436.9 | 409.3 |
| 17.5° | 582.8 | 577.3 | 576.1 | 569.0 | 558.5 | 547.7 | 530.9 | 512.5 | 487.5 | 461.5 | 431.4 |
| 20° | 625.4 | 617.9 | 615.4 | 604.9 | 592.8 | 577.8 | 558.5 | 535.5 | 509.2 | 480.8 | 449.8 |
| 22.5° | 675.6 | 670.2 | 664.7 | 655.5 | 640.1 | 618.7 | 590.7 | 565.6 | 532.2 | 500.8 | 467.4 |
| 25° | 746.7 | 742.1 | 733.3 | 720.7 | 701.5 | 676.0 | 642.1 | 605.4 | 566.1 | 525.9 | 486.6 |
| 27.5° | 815.6 | 811.5 | 805.2 | 795.6 | 773.8 | 745.8 | 704.0 | 657.2 | 607.4 | 559.0 | 515.5 |
| 30° | 880.4 | 876.7 | 870.4 | 860.8 | 841.6 | 814.0 | 766.7 | 716.6 | 654.7 | 598.2 | 546.0 |
| 32.5° | 950.3 | 949.0 | 941.9 | 928.1 | 911.4 | 874.2 | 822.8 | 768.8 | 706.1 | 640.9 | 579.9 |
| 35° | 1029.3 | 1019.7 | 1013.0 | 999.2 | 970.7 | 931.0 | 870.8 | 811.9 | 745.8 | 678.9 | 610.8 |
| 37.5° | 1096.2 | 1087.0 | 1078.6 | 1061.0 | 1026.3 | 975.8 | 907.6 | 842.8 | 774.7 | 706.5 | 637.1 |
| 40° | 1145.1 | 1140.5 | 1130.4 | 1107.5 | 1068.6 | 1008.4 | 934.8 | 864.1 | 795.6 | 727.0 | 658.5 |
| 42.5° | 1181.4 | 1174.3 | 1163.1 | 1139.2 | 1093.2 | 1024.7 | 945.7 | 872.9 | 805.2 | 739.6 | 672.2 |
| 45° | 1194.8 | 1189.0 | 1178.5 | 1152.6 | 1102.9 | 1029.3 | 945.2 | 870.4 | 805.6 | 743.3 | 681.4 |
| 47.5° | 1186.9 | 1181.0 | 1171.8 | 1147.6 | 1098.7 | 1023.8 | 937.7 | 863.3 | 801.4 | 744.6 | 689.8 |
| 50° | 1160.5 | 1157.2 | 1150.1 | 1129.6 | 1085.7 | 1013.4 | 931.0 | 859.5 | 800.6 | 750.8 | 701.5 |
| 52.5° | 1158.0 | 1155.9 | 1147.2 | 1126.7 | 1081.9 | 1010.0 | 930.2 | 861.6 | 807.7 | 758.8 | 709.9 |
| 55° | 1415.1 | 1385.5 | 1319.0 | 1262.6 | 1169.7 | 1059.4 | 972.4 | 895.5 | 837.8 | 790.1 | 755.9 |
| 57.5° | 2011.3 | 1967.0 | 1879.6 | 1772.2 | 1559.0 | 1349.5 | 1181.9 | 1060.6 | 1000.8 | 979.1 | 992.1 |
| 60° | 2290.6 | 2282.6 | 2268.8 | 2217.8 | 2108.7 | 1928.5 | 1727.9 | 1510.9 | 1423.9 | 1416.4 | 1442.7 |
| 62.5° | 2423.1 | 2418.1 | 2422.3 | 2416.0 | 2382.1 | 2329.5 | 2271.8 | 2178.1 | 2092.0 | 2036.4 | 1918.5 |
| 65° | 2484.1 | 2487.5 | 2511.3 | 2530.1 | 2534.3 | 2548.1 | 2590.3 | 2707.0 | 2792.2 | 2648.9 | 2321.5 |
| 67.5° | 2329.0 | 2348.7 | 2403.5 | 2472.0 | 2552.3 | 2630.0 | 2755.5 | 3001.3 | 3176.5 | 3008.0 | 2543.1 |
| 69° | 1928.1 | 1937.7 | 2071.5 | 2200.7 | 2396.8 | 2533.9 | 2715.7 | 3038.1 | 3235.0 | 3044.8 | 2525.5 |
| 70° | 1518.0 | 1526.8 | 1670.2 | 1845.8 | 2177.3 | 2353.7 | 2591.6 | 2975.8 | 3180.2 | 2995.8 | 2435.2 |
| 72.5° | 684.8 | 672.2 | 722.8 | 816.9 | 1177.3 | 1457.4 | 1873.3 | 2411.0 | 2623.8 | 2400.1 | 1821.9 |
| 75° | 478.3 | 472.8 | 478.3 | 478.7 | 534.7 | 689.8 | 870.4 | 1306.9 | 1616.2 | 1394.7 | 870.4 |
| 77.5° | 370.4 | 366.6 | 362.9 | 358.7 | 365.4 | 409.3 | 426.8 | 463.6 | 602.0 | 569.4 | 331.9 |
| 80° | 293.1 | 289.7 | 298.9 | 296.0 | 296.0 | 301.0 | 297.7 | 283.9 | 257.9 | 239.1 | 214.0 |
| 82.5° | 136.3 | 137.1 | 137.1 | 148.8 | 179.3 | 209.5 | 219.1 | 205.3 | 182.3 | 155.1 | 125.0 |
| 85° | 13.0 | 14.6 | 24.7 | 38.0 | 75.7 | 85.3 | 85.7 | 71.1 | 71.1 | 56.0 | 45.2 |
| 87.5° | 0.0 | 0.4 | 0.4 | 0.4 | 3.8 | 10.5 | 8.8 | 2.5 | 1.3 | 1.3 | 2.1 |
| 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: P180831

CATALOG NUMBER: ICS-F02-LED-E1-SL4-HSS-8030

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| 0° | 192.7 | 192.7 | 192.7 | 192.7 | 192.7 | 192.7 | 192.7 | 192.7 | 192.7 | 192.7 | 192.7 |
| 2.5° | 222.4 | 221.2 | 216.1 | 211.1 | 206.5 | 201.5 | 196.9 | 192.3 | 187.3 | 183.5 | 178.9 |
| 5° | 260.0 | 250.8 | 240.4 | 230.4 | 220.3 | 209.9 | 199.0 | 189.4 | 179.3 | 170.2 | 161.4 |
| 7.5° | 298.1 | 280.1 | 265.9 | 247.9 | 231.6 | 215.3 | 200.3 | 184.8 | 170.6 | 157.2 | 144.7 |
| 10° | 330.3 | 308.5 | 286.4 | 263.4 | 240.0 | 218.2 | 197.3 | 178.9 | 160.1 | 143.8 | 128.3 |
| 12.5° | 356.6 | 329.0 | 301.8 | 273.0 | 246.7 | 219.1 | 193.1 | 171.0 | 148.8 | 130.4 | 114.5 |
| 15° | 380.4 | 348.7 | 316.1 | 282.6 | 249.2 | 217.8 | 189.0 | 161.4 | 138.8 | 117.9 | 99.9 |
| 17.5° | 399.7 | 363.3 | 326.5 | 288.9 | 252.9 | 216.1 | 183.5 | 154.7 | 128.3 | 106.6 | 89.0 |
| 20° | 416.4 | 378.3 | 338.6 | 296.4 | 255.4 | 215.7 | 178.9 | 146.3 | 119.1 | 96.2 | 79.0 |
| 22.5° | 431.9 | 393.8 | 351.2 | 306.0 | 259.2 | 215.3 | 174.8 | 140.1 | 111.2 | 88.2 | 71.1 |
| 25° | 449.4 | 409.3 | 364.6 | 316.1 | 265.9 | 217.0 | 172.2 | 135.0 | 104.1 | 80.7 | 64.8 |
| 27.5° | 469.1 | 426.8 | 380.4 | 328.6 | 274.7 | 220.3 | 171.4 | 129.6 | 97.8 | 73.6 | 59.8 |
| 30° | 496.7 | 447.7 | 396.3 | 341.1 | 282.6 | 224.1 | 170.6 | 126.3 | 91.6 | 68.1 | 54.8 |
| 32.5° | 520.9 | 468.2 | 413.9 | 354.1 | 291.4 | 227.8 | 170.2 | 121.7 | 85.7 | 62.7 | 51.0 |
| 35° | 546.4 | 487.0 | 428.9 | 366.6 | 298.9 | 232.0 | 169.7 | 118.3 | 80.3 | 57.3 | 47.2 |
| 37.5° | 568.6 | 502.9 | 440.6 | 377.5 | 307.3 | 235.8 | 170.2 | 115.4 | 75.3 | 52.7 | 43.9 |
| 40° | 587.4 | 519.2 | 453.6 | 387.5 | 316.1 | 241.6 | 170.6 | 112.5 | 70.2 | 48.5 | 41.0 |
| 42.5° | 604.1 | 534.7 | 467.4 | 398.8 | 326.1 | 248.3 | 173.1 | 110.0 | 66.1 | 44.7 | 38.0 |
| 45° | 617.1 | 548.9 | 482.4 | 414.7 | 342.4 | 259.2 | 177.7 | 108.3 | 61.9 | 41.4 | 35.5 |
| 47.5° | 630.4 | 569.8 | 507.9 | 439.8 | 366.2 | 276.3 | 185.6 | 107.9 | 58.5 | 38.9 | 33.4 |
| 50° | 648.8 | 590.7 | 530.5 | 465.3 | 388.0 | 293.9 | 195.2 | 108.3 | 54.3 | 36.4 | 31.4 |
| 52.5° | 662.2 | 612.0 | 559.8 | 509.6 | 439.8 | 347.4 | 232.4 | 115.8 | 52.3 | 34.3 | 28.8 |
| 55° | 741.2 | 732.4 | 733.7 | 742.1 | 688.1 | 591.1 | 388.8 | 167.2 | 61.5 | 38.9 | 28.4 |
| 57.5° | 1045.2 | 1076.1 | 1094.1 | 1093.7 | 1004.6 | 833.2 | 522.2 | 214.9 | 68.6 | 45.2 | 33.9 |
| 60° | 1444.8 | 1421.4 | 1388.4 | 1306.9 | 1188.6 | 951.1 | 584.0 | 231.2 | 59.4 | 36.0 | 30.9 |
| 62.5° | 1798.1 | 1661.0 | 1539.3 | 1407.2 | 1252.1 | 992.1 | 596.6 | 229.9 | 51.8 | 27.2 | 21.7 |
| 65° | 2018.4 | 1771.8 | 1575.3 | 1409.7 | 1227.0 | 957.8 | 564.4 | 211.1 | 43.9 | 22.2 | 18.0 |
| 67.5° | 2071.1 | 1712.0 | 1434.0 | 1222.8 | 1025.1 | 745.4 | 414.3 | 158.9 | 34.3 | 18.4 | 15.9 |
| 69° | 1956.1 | 1521.8 | 1188.1 | 948.6 | 745.8 | 494.6 | 256.3 | 100.3 | 26.3 | 16.7 | 14.6 |
| 70° | 1799.3 | 1323.6 | 967.8 | 761.3 | 552.3 | 347.4 | 179.3 | 70.7 | 21.3 | 15.5 | 13.4 |
| 72.5° | 1157.6 | 695.2 | 475.8 | 331.1 | 227.8 | 138.4 | 70.2 | 31.8 | 16.3 | 13.0 | 10.9 |
| 75° | 449.0 | 257.1 | 186.5 | 141.7 | 110.8 | 76.9 | 42.6 | 20.5 | 13.8 | 10.9 | 8.4 |
| 77.5° | 221.2 | 169.3 | 138.4 | 94.9 | 55.2 | 34.3 | 23.0 | 15.9 | 11.3 | 7.9 | 5.4 |
| 80° | 174.8 | 116.2 | 69.4 | 43.1 | 32.6 | 24.7 | 17.6 | 13.0 | 8.4 | 5.0 | 3.8 |
| 82.5° | 89.5 | 48.9 | 36.0 | 29.3 | 24.2 | 19.2 | 14.2 | 9.2 | 5.4 | 3.3 | 2.9 |
| 85° | 28.0 | 20.5 | 18.4 | 18.0 | 16.7 | 13.8 | 10.0 | 5.9 | 3.3 | 2.1 | 2.1 |
| 87.5° | 2.1 | 2.9 | 3.8 | 2.9 | 3.3 | 2.9 | 3.8 | 2.5 | 1.7 | 1.7 | 1.3 |
| 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: P180831

CATALOG NUMBER: ICS-F02-LED-E1-SL4-HSS-8030

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 192.7 | 192.7 | 192.7 | 192.7 | 192.7 | 192.7 | 192.7 | 192.7 | 192.7 | 192.7 | 192.7 |
| 2.5° | 175.6 | 170.6 | 166.0 | 163.0 | 157.6 | 155.5 | 153.4 | 152.6 | 148.8 | 149.7 | 146.3 |
| 5° | 153.4 | 144.7 | 138.0 | 131.3 | 125.0 | 120.4 | 116.6 | 112.0 | 108.3 | 106.6 | 103.3 |
| 7.5° | 133.4 | 122.1 | 113.3 | 106.2 | 98.7 | 92.8 | 87.8 | 84.4 | 81.1 | 77.8 | 76.1 |
| 10° | 115.8 | 103.7 | 93.6 | 86.5 | 79.4 | 74.4 | 70.7 | 68.1 | 66.1 | 64.8 | 64.4 |
| 12.5° | 99.5 | 87.8 | 78.6 | 72.3 | 66.9 | 64.4 | 62.7 | 61.5 | 61.0 | 60.6 | 60.6 |
| 15° | 87.0 | 75.3 | 68.1 | 63.5 | 61.0 | 59.8 | 59.4 | 58.5 | 57.7 | 57.3 | 57.3 |
| 17.5° | 75.3 | 66.5 | 61.5 | 58.9 | 57.7 | 56.9 | 56.0 | 55.2 | 54.3 | 53.9 | 53.9 |
| 20° | 67.3 | 60.2 | 57.7 | 56.0 | 54.8 | 53.9 | 52.7 | 51.8 | 51.4 | 51.0 | 50.6 |
| 22.5° | 61.0 | 56.4 | 54.8 | 53.5 | 51.8 | 50.6 | 49.7 | 48.9 | 48.1 | 47.7 | 47.2 |
| 25° | 56.4 | 53.5 | 52.3 | 50.6 | 48.9 | 47.7 | 46.4 | 45.2 | 44.3 | 43.9 | 43.1 |
| 27.5° | 53.1 | 51.0 | 49.3 | 47.2 | 45.6 | 44.3 | 43.1 | 41.8 | 41.0 | 40.1 | 39.7 |
| 30° | 50.2 | 48.1 | 46.0 | 44.3 | 42.2 | 41.0 | 39.3 | 38.0 | 37.6 | 36.8 | 36.0 |
| 32.5° | 47.2 | 45.2 | 43.1 | 41.0 | 38.9 | 37.2 | 36.4 | 34.7 | 33.9 | 33.4 | 32.6 |
| 35° | 43.9 | 41.8 | 39.3 | 37.6 | 35.5 | 33.9 | 32.6 | 31.4 | 30.5 | 29.7 | 29.3 |
| 37.5° | 41.0 | 38.5 | 36.0 | 33.9 | 32.2 | 30.5 | 29.3 | 28.0 | 27.2 | 26.3 | 25.9 |
| 40° | 37.6 | 35.1 | 32.6 | 30.5 | 28.8 | 27.6 | 26.3 | 25.1 | 24.2 | 23.8 | 23.8 |
| 42.5° | 34.7 | 31.8 | 29.3 | 27.6 | 26.3 | 24.7 | 23.4 | 22.2 | 21.7 | 21.3 | 21.7 |
| 45° | 31.8 | 28.8 | 26.8 | 25.1 | 23.8 | 22.2 | 20.9 | 20.1 | 19.6 | 20.1 | 20.5 |
| 47.5° | 29.3 | 26.3 | 24.2 | 23.0 | 21.7 | 20.5 | 19.2 | 18.4 | 18.4 | 19.2 | 20.1 |
| 50° | 26.8 | 23.8 | 22.2 | 21.3 | 20.1 | 18.8 | 17.1 | 16.7 | 17.1 | 18.0 | 18.8 |
| 52.5° | 24.2 | 20.9 | 19.6 | 19.2 | 18.0 | 16.7 | 15.5 | 15.1 | 15.5 | 16.3 | 15.9 |
| 55° | 21.7 | 18.4 | 18.0 | 17.6 | 16.3 | 14.6 | 13.4 | 13.4 | 13.4 | 13.0 | 12.1 |
| 57.5° | 20.9 | 16.3 | 15.9 | 15.5 | 14.2 | 12.5 | 11.7 | 10.9 | 10.5 | 9.2 | 8.8 |
| 60° | 21.7 | 14.6 | 14.6 | 13.8 | 12.5 | 10.9 | 9.6 | 8.4 | 7.5 | 6.7 | 6.7 |
| 62.5° | 17.6 | 13.4 | 13.0 | 12.1 | 10.5 | 8.8 | 7.5 | 6.3 | 5.9 | 5.4 | 5.4 |
| 65° | 14.2 | 12.1 | 11.3 | 10.0 | 8.8 | 7.1 | 5.9 | 5.0 | 4.6 | 4.6 | 5.0 |
| 67.5° | 13.0 | 10.9 | 9.6 | 8.4 | 7.1 | 5.4 | 4.6 | 4.2 | 4.2 | 4.6 | 4.6 |
| 69° | 12.1 | 10.0 | 8.8 | 7.5 | 6.3 | 5.0 | 4.2 | 4.2 | 4.2 | 4.2 | 4.6 |
| 70° | 11.3 | 9.6 | 8.4 | 7.1 | 5.4 | 4.2 | 3.8 | 3.8 | 4.2 | 4.2 | 4.6 |
| 72.5° | 8.8 | 7.5 | 7.1 | 5.9 | 4.2 | 3.8 | 3.3 | 3.8 | 3.8 | 4.2 | 4.2 |
| 75° | 6.7 | 5.4 | 5.4 | 4.6 | 3.3 | 2.9 | 2.9 | 3.3 | 3.3 | 3.8 | 3.8 |
| 77.5° | 4.6 | 3.8 | 3.8 | 3.3 | 2.9 | 2.5 | 2.5 | 2.9 | 3.3 | 3.3 | 3.8 |
| 80° | 3.3 | 2.9 | 2.5 | 2.9 | 2.5 | 2.1 | 2.5 | 2.9 | 2.9 | 3.3 | 3.3 |
| 82.5° | 2.5 | 2.5 | 2.5 | 2.5 | 2.1 | 2.1 | 2.5 | 2.5 | 2.9 | 3.3 | 3.3 |
| 85° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.5 | 2.5 | 2.9 | 2.9 |
| 87.5° | 1.3 | 1.3 | 1.3 | 1.7 | 1.7 | 2.1 | 2.1 | 2.1 | 2.1 | 2.5 | 2.5 |
| 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: P180831

CATALOG NUMBER: ICS-F02-LED-E1-SL4-HSS-8030

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 0° | 192.7 | 192.7 | 192.7 | 192.7 |
| 2.5° | 145.5 | 145.1 | 143.4 | 143.8 |
| 5° | 102.0 | 99.5 | 101.2 | 100.8 |
| 7.5° | 74.8 | 74.4 | 74.0 | 74.8 |
| 10° | 64.0 | 64.0 | 63.5 | 64.0 |
| 12.5° | 60.2 | 60.2 | 60.2 | 60.2 |
| 15° | 57.3 | 57.3 | 56.9 | 56.9 |
| 17.5° | 53.9 | 53.9 | 53.9 | 53.5 |
| 20° | 50.6 | 50.2 | 50.2 | 50.2 |
| 22.5° | 46.8 | 46.4 | 46.4 | 46.4 |
| 25° | 43.1 | 42.6 | 42.6 | 42.6 |
| 27.5° | 39.3 | 38.9 | 38.5 | 38.5 |
| 30° | 35.5 | 35.1 | 34.7 | 34.7 |
| 32.5° | 31.8 | 31.4 | 30.9 | 30.9 |
| 35° | 28.4 | 28.4 | 28.0 | 27.6 |
| 37.5° | 25.5 | 25.5 | 25.5 | 25.5 |
| 40° | 23.4 | 23.8 | 23.8 | 23.8 |
| 42.5° | 22.2 | 22.6 | 23.0 | 23.4 |
| 45° | 21.3 | 22.2 | 22.6 | 22.6 |
| 47.5° | 20.9 | 21.3 | 21.7 | 21.7 |
| 50° | 19.2 | 18.8 | 18.8 | 18.8 |
| 52.5° | 15.5 | 14.6 | 14.2 | 13.8 |
| 55° | 11.3 | 10.9 | 10.0 | 10.0 |
| 57.5° | 7.9 | 7.9 | 7.5 | 7.5 |
| 60° | 6.3 | 6.3 | 5.9 | 6.3 |
| 62.5° | 5.4 | 5.4 | 5.4 | 5.4 |
| 65° | 5.0 | 5.0 | 5.0 | 5.0 |
| 67.5° | 5.0 | 5.0 | 5.0 | 5.0 |
| 69° | 4.6 | 4.6 | 4.6 | 4.6 |
| 70° | 4.6 | 4.6 | 4.6 | 4.6 |
| 72.5° | 4.2 | 4.2 | 4.2 | 4.2 |
| 75° | 3.8 | 4.2 | 4.2 | 4.2 |
| 77.5° | 3.8 | 3.8 | 3.8 | 3.8 |
| 80° | 3.3 | 3.3 | 3.8 | 3.8 |
| 82.5° | 3.3 | 3.3 | 3.3 | 3.3 |
| 85° | 2.9 | 2.9 | 3.3 | 3.3 |
| 87.5° | 2.5 | 2.5 | 2.9 | 2.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)