

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: STREETWORKS

Report Number: P151931

Luminaire Tested: **TMU-E04-LED-E-U-SL4-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P151931
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: TMU-E04-LED-E-U-SL4-HSS-7050
Description: TALON MEDIUM LED AREA LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (84) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8351.7 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

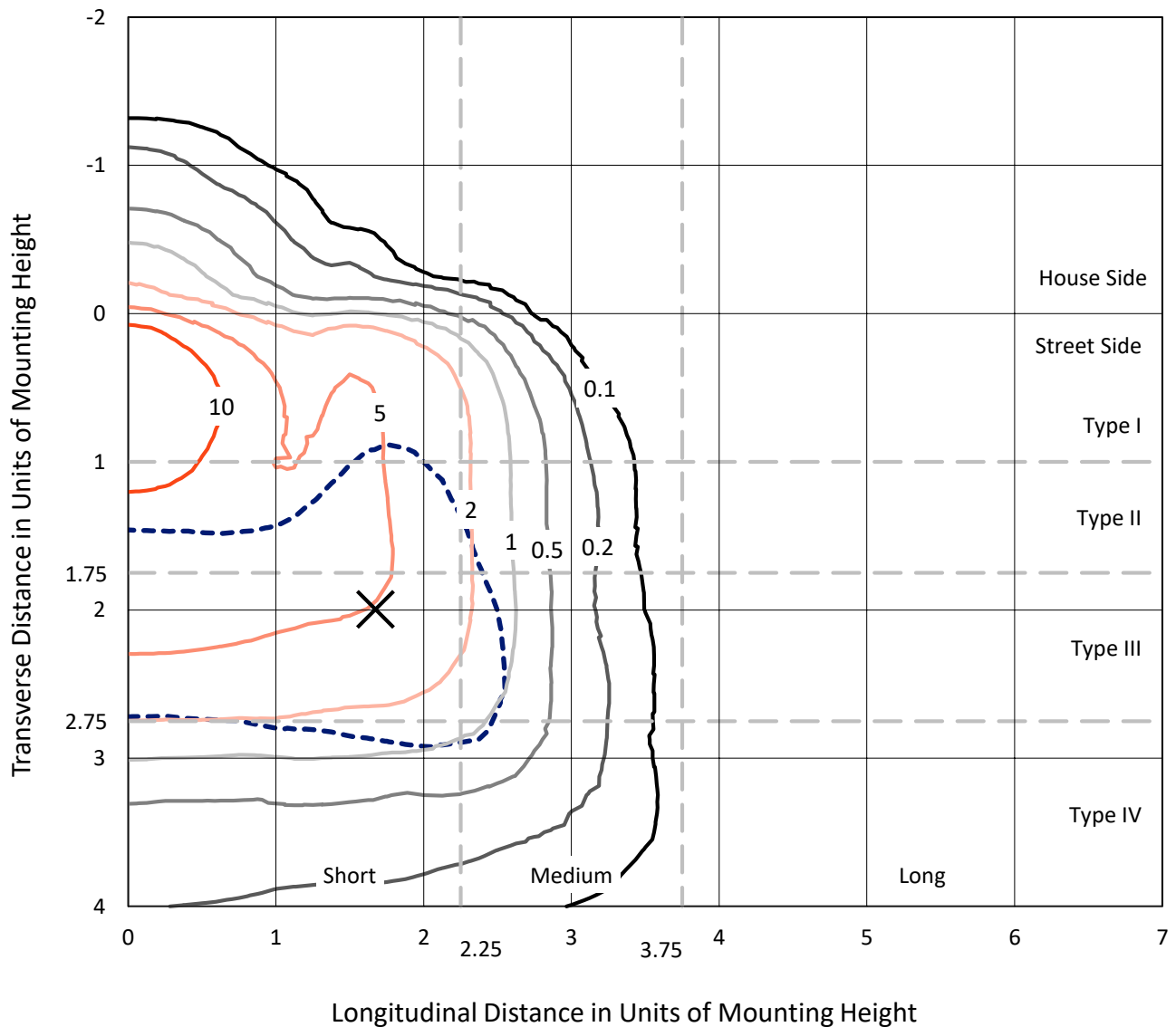
Input Watts (W): 97.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

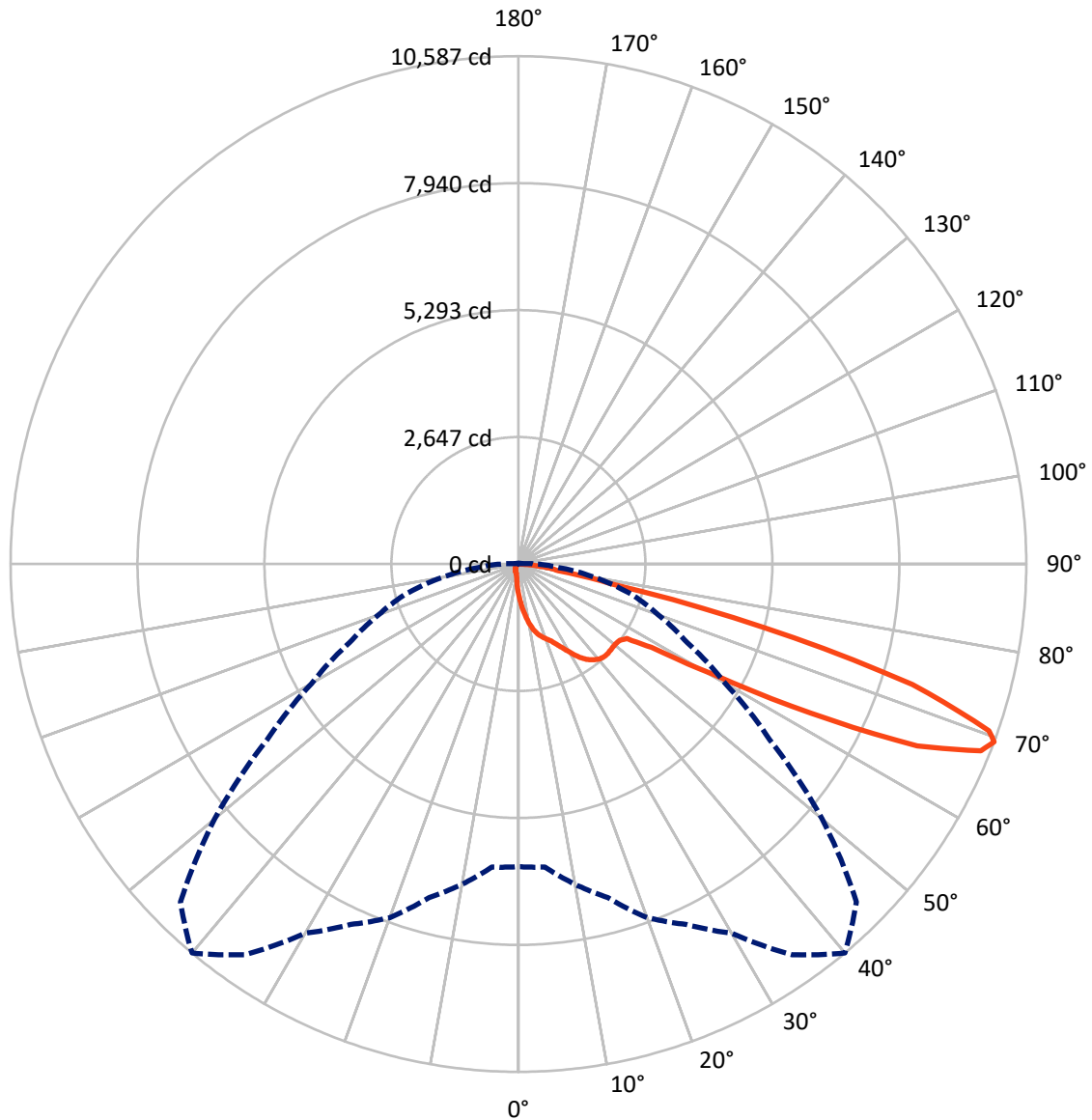
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.7 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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



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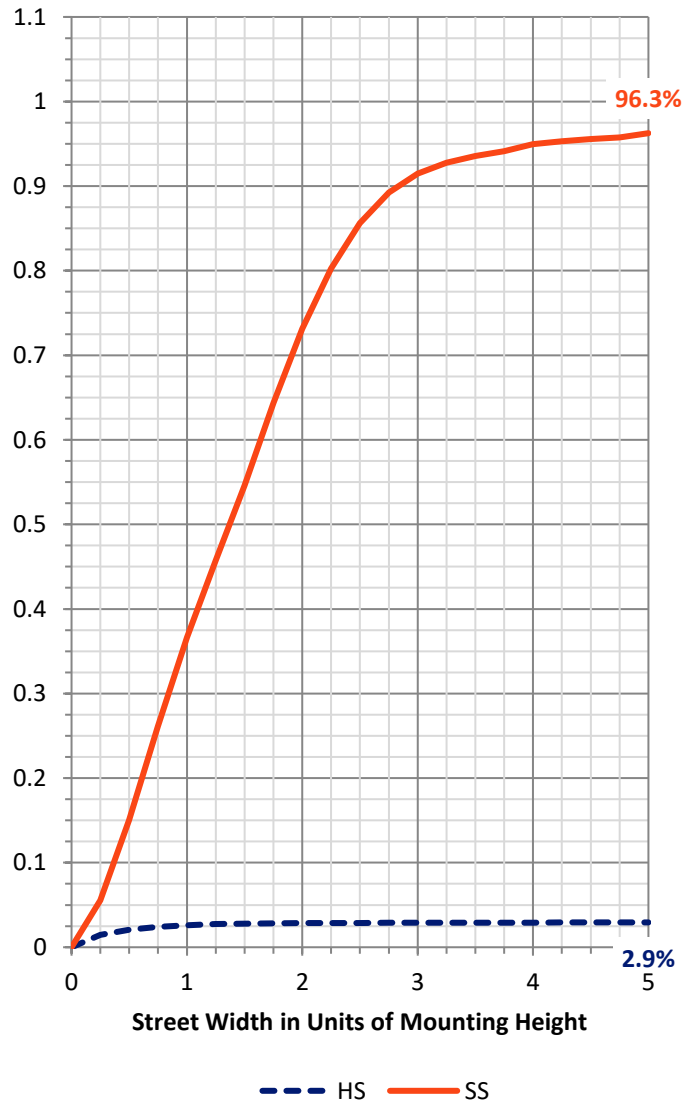
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 248.7 | 0.0 | 248.7 |
| | % Fixture | 3.0 | 0.0 | 3.0 |
| Street Side | Lumens | 8103.0 | 0.0 | 8103.0 |
| | % Fixture | 97.0 | 0.0 | 97.0 |
| Total | Lumens | 8351.7 | 0.0 | 8351.7 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 64.8 | 0.8 |
| 10°-20° | 223.5 | 2.7 |
| 20°-30° | 427.8 | 5.1 |
| 30°-40° | 711.4 | 8.5 |
| 40°-50° | 962.7 | 11.5 |
| 50°-60° | 1505.5 | 18.0 |
| 60°-70° | 3095.3 | 37.1 |
| 70°-80° | 1245.5 | 14.9 |
| 80°-90° | 115.2 | 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° | 8351.7 | 100.0 |
| 0°-180° | 8351.7 | 100.0 |

Coefficient of Utilization



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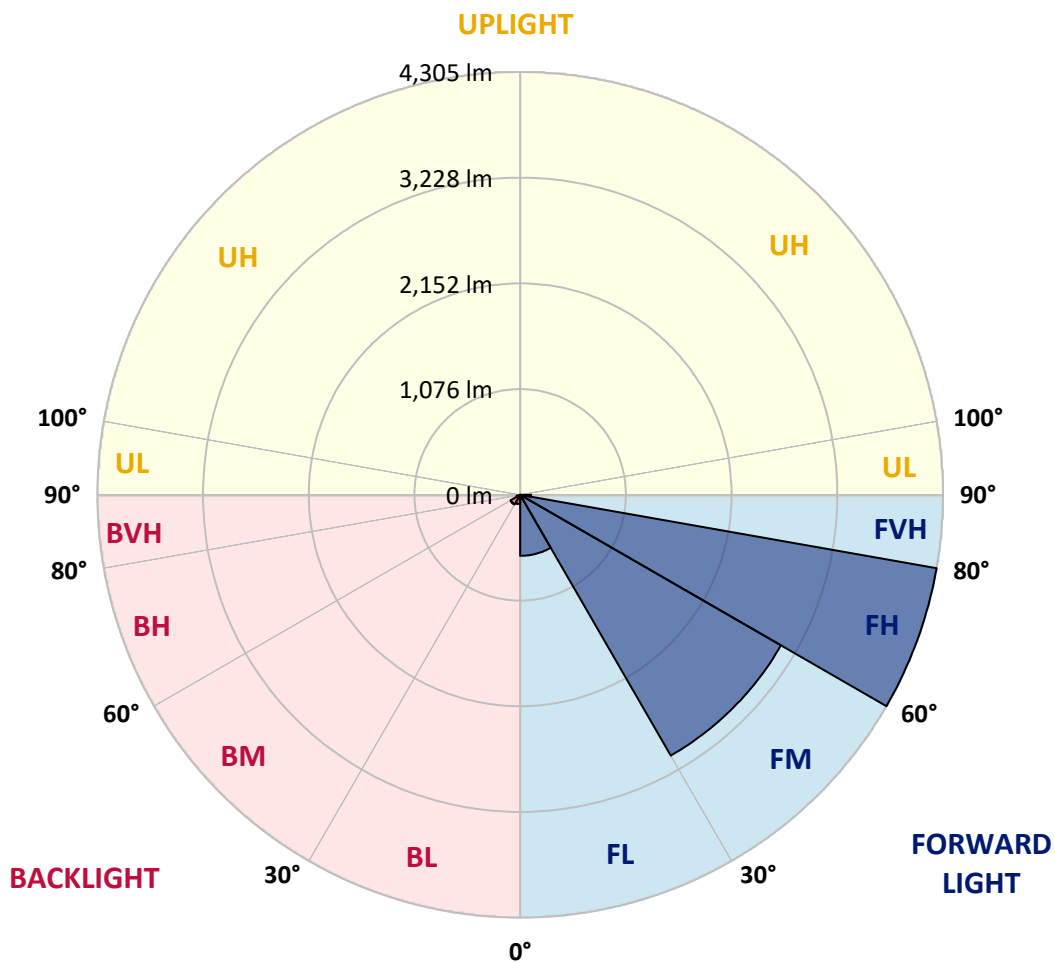
CATALOG NUMBER: TMU-E04-LED-E-U-SL4-HSS-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 621.5 | 7.4 | | | |
| FM (30°-60°) | 3066.0 | 36.7 | | | |
| FH (60°-80°) | 4304.5 | 51.5 | | | G2/5000 |
| FVH (80°-90°) | 110.9 | 1.3 | | | G2/225 |
| BL (0°-30°) | 94.6 | 1.1 | B0/110 | | |
| BM (30°-60°) | 113.6 | 1.4 | B0/220 | | |
| BH (60°-80°) | 36.3 | 0.4 | B0/110 | | G0/110 |
| BVH (80°-90°) | 4.3 | 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-G2

Type IV Short





REPORT NUMBER: P151931
 CATALOG NUMBER: TMU-E04-LED-E-U-SL4-HSS-7050

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|--------|
| 0° | 630.7 | 630.7 | 630.7 | 630.7 | 630.7 | 630.7 | 630.7 | 630.7 | 630.7 | 630.7 | 630.7 |
| 2.5° | 841.4 | 831.8 | 820.9 | 820.9 | 807.2 | 807.2 | 799.0 | 777.1 | 774.4 | 762.1 | 749.7 |
| 5° | 1074.0 | 1065.8 | 1052.1 | 1039.8 | 1028.8 | 1009.7 | 996.0 | 970.0 | 941.3 | 913.9 | 889.3 |
| 7.5° | 1301.1 | 1297.0 | 1272.4 | 1268.3 | 1250.5 | 1219.0 | 1191.7 | 1153.3 | 1104.1 | 1065.8 | 1020.6 |
| 10° | 1511.8 | 1502.2 | 1496.7 | 1473.5 | 1447.5 | 1413.3 | 1370.9 | 1324.4 | 1266.9 | 1206.7 | 1142.4 |
| 12.5° | 1678.7 | 1673.2 | 1648.6 | 1639.0 | 1611.7 | 1577.5 | 1524.1 | 1463.9 | 1406.4 | 1328.5 | 1253.2 |
| 15° | 1803.2 | 1793.6 | 1777.2 | 1762.2 | 1729.3 | 1699.2 | 1650.0 | 1584.3 | 1514.5 | 1429.7 | 1339.4 |
| 17.5° | 1907.2 | 1889.4 | 1885.3 | 1862.0 | 1827.8 | 1792.3 | 1737.5 | 1677.3 | 1595.3 | 1510.4 | 1411.9 |
| 20° | 2046.7 | 2022.1 | 2013.9 | 1979.7 | 1940.0 | 1890.8 | 1827.8 | 1752.6 | 1666.4 | 1573.4 | 1472.1 |
| 22.5° | 2210.9 | 2193.1 | 2175.3 | 2145.2 | 2094.6 | 2024.8 | 1933.2 | 1851.1 | 1741.6 | 1639.0 | 1529.6 |
| 25° | 2443.5 | 2428.4 | 2399.7 | 2358.7 | 2295.7 | 2212.3 | 2101.5 | 1981.1 | 1852.5 | 1721.1 | 1592.5 |
| 27.5° | 2669.2 | 2655.6 | 2635.0 | 2603.6 | 2532.4 | 2440.8 | 2303.9 | 2150.7 | 1987.9 | 1829.2 | 1686.9 |
| 30° | 2881.3 | 2869.0 | 2848.5 | 2817.0 | 2754.1 | 2663.8 | 2509.2 | 2345.0 | 2142.5 | 1957.8 | 1786.8 |
| 32.5° | 3109.8 | 3105.7 | 3082.4 | 3037.3 | 2982.5 | 2860.8 | 2692.5 | 2516.0 | 2310.8 | 2097.4 | 1897.6 |
| 35° | 3368.4 | 3336.9 | 3315.0 | 3269.9 | 3176.8 | 3046.8 | 2849.8 | 2656.9 | 2440.8 | 2221.9 | 1998.9 |
| 37.5° | 3587.3 | 3557.2 | 3529.8 | 3472.3 | 3358.8 | 3193.2 | 2970.2 | 2758.2 | 2535.2 | 2312.2 | 2085.0 |
| 40° | 3747.3 | 3732.3 | 3699.5 | 3624.2 | 3497.0 | 3300.0 | 3059.2 | 2827.9 | 2603.6 | 2379.2 | 2154.8 |
| 42.5° | 3866.4 | 3843.1 | 3806.2 | 3728.2 | 3577.7 | 3353.3 | 3094.7 | 2856.7 | 2635.0 | 2420.2 | 2200.0 |
| 45° | 3910.1 | 3891.0 | 3856.8 | 3772.0 | 3609.2 | 3368.4 | 3093.4 | 2848.5 | 2636.4 | 2432.6 | 2230.1 |
| 47.5° | 3884.2 | 3865.0 | 3834.9 | 3755.5 | 3595.5 | 3350.6 | 3068.7 | 2825.2 | 2622.7 | 2436.7 | 2257.4 |
| 50° | 3798.0 | 3787.0 | 3763.8 | 3696.7 | 3553.1 | 3316.4 | 3046.8 | 2812.9 | 2620.0 | 2457.2 | 2295.7 |
| 52.5° | 3789.7 | 3782.9 | 3754.2 | 3687.1 | 3540.7 | 3305.4 | 3044.1 | 2819.7 | 2643.2 | 2483.2 | 2323.1 |
| 55° | 4631.2 | 4534.0 | 4316.5 | 4131.8 | 3828.1 | 3466.9 | 3182.3 | 2930.6 | 2741.8 | 2585.8 | 2473.6 |
| 57.5° | 6582.1 | 6437.1 | 6151.2 | 5799.5 | 5101.8 | 4416.4 | 3867.7 | 3471.0 | 3275.3 | 3204.2 | 3246.6 |
| 60° | 7496.0 | 7470.0 | 7424.9 | 7258.0 | 6900.9 | 6311.2 | 5654.5 | 4944.5 | 4659.9 | 4635.3 | 4721.5 |
| 62.5° | 7929.7 | 7913.3 | 7927.0 | 7906.5 | 7795.7 | 7623.3 | 7434.5 | 7128.0 | 6846.2 | 6664.2 | 6278.4 |
| 65° | 8129.5 | 8140.4 | 8218.4 | 8280.0 | 8293.7 | 8338.8 | 8477.0 | 8858.7 | 9137.8 | 8668.5 | 7597.3 |
| 67.5° | 7621.9 | 7686.2 | 7865.4 | 8089.8 | 8352.5 | 8607.0 | 9017.4 | 9821.9 | 10395.1 | 9843.8 | 8322.4 |
| 69° | 6309.9 | 6341.3 | 6779.1 | 7201.9 | 7843.6 | 8292.3 | 8887.4 | 9942.3 | 10586.7 | 9964.2 | 8264.9 |
| 70° | 4967.7 | 4996.4 | 5465.7 | 6040.3 | 7125.3 | 7702.6 | 8481.1 | 9738.4 | 10407.4 | 9804.1 | 7969.4 |
| 72.5° | 2241.0 | 2200.0 | 2365.5 | 2673.3 | 3852.7 | 4769.3 | 6130.6 | 7890.1 | 8586.5 | 7854.5 | 5962.4 |
| 75° | 1565.2 | 1547.4 | 1565.2 | 1566.5 | 1749.9 | 2257.4 | 2848.5 | 4276.8 | 5289.2 | 4564.1 | 2848.5 |
| 77.5° | 1212.2 | 1199.9 | 1187.5 | 1173.9 | 1195.8 | 1339.4 | 1396.9 | 1517.3 | 1970.1 | 1863.4 | 1086.3 |
| 80° | 959.1 | 948.1 | 978.2 | 968.6 | 968.6 | 985.1 | 974.1 | 929.0 | 844.1 | 782.6 | 700.5 |
| 82.5° | 446.0 | 448.8 | 448.8 | 487.1 | 586.9 | 685.4 | 716.9 | 671.8 | 596.5 | 507.6 | 409.1 |
| 85° | 42.4 | 47.9 | 80.7 | 124.5 | 247.6 | 279.1 | 280.5 | 232.6 | 232.6 | 183.3 | 147.8 |
| 87.5° | 0.0 | 1.4 | 1.4 | 1.4 | 12.3 | 34.2 | 28.7 | 8.2 | 4.1 | 4.1 | 6.8 |
| 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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CATALOG NUMBER: TMU-E04-LED-E-U-SL4-HSS-7050

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 0° | 630.7 | 630.7 | 630.7 | 630.7 | 630.7 | 630.7 | 630.7 | 630.7 | 630.7 | 630.7 | 630.7 |
| 2.5° | 727.9 | 723.7 | 707.3 | 690.9 | 675.9 | 659.4 | 644.4 | 629.3 | 612.9 | 600.6 | 585.6 |
| 5° | 851.0 | 820.9 | 786.7 | 753.8 | 721.0 | 686.8 | 651.2 | 619.8 | 586.9 | 556.8 | 528.1 |
| 7.5° | 975.5 | 916.7 | 870.1 | 811.3 | 757.9 | 704.6 | 655.3 | 604.7 | 558.2 | 514.4 | 473.4 |
| 10° | 1080.8 | 1009.7 | 937.2 | 861.9 | 785.3 | 714.2 | 645.8 | 585.6 | 524.0 | 470.6 | 420.0 |
| 12.5° | 1167.0 | 1076.7 | 987.8 | 893.4 | 807.2 | 716.9 | 632.1 | 559.6 | 487.1 | 426.9 | 374.9 |
| 15° | 1245.0 | 1141.0 | 1034.3 | 924.9 | 815.4 | 712.8 | 618.4 | 528.1 | 454.2 | 385.8 | 327.0 |
| 17.5° | 1307.9 | 1188.9 | 1068.5 | 945.4 | 827.7 | 707.3 | 600.6 | 506.2 | 420.0 | 348.9 | 291.4 |
| 20° | 1362.7 | 1238.2 | 1108.2 | 970.0 | 835.9 | 706.0 | 585.6 | 478.8 | 389.9 | 314.7 | 258.6 |
| 22.5° | 1413.3 | 1288.8 | 1149.2 | 1001.5 | 848.2 | 704.6 | 571.9 | 458.3 | 363.9 | 288.7 | 232.6 |
| 25° | 1470.8 | 1339.4 | 1193.0 | 1034.3 | 870.1 | 710.1 | 563.7 | 441.9 | 340.7 | 264.1 | 212.1 |
| 27.5° | 1535.1 | 1396.9 | 1245.0 | 1075.4 | 898.9 | 721.0 | 560.9 | 424.1 | 320.1 | 240.8 | 195.6 |
| 30° | 1625.4 | 1465.3 | 1297.0 | 1116.4 | 924.9 | 733.3 | 558.2 | 413.2 | 299.6 | 223.0 | 179.2 |
| 32.5° | 1704.7 | 1532.3 | 1354.5 | 1158.8 | 953.6 | 745.6 | 556.8 | 398.1 | 280.5 | 205.2 | 166.9 |
| 35° | 1788.2 | 1593.9 | 1403.7 | 1199.9 | 978.2 | 759.3 | 555.5 | 387.2 | 262.7 | 187.4 | 154.6 |
| 37.5° | 1860.7 | 1645.9 | 1442.0 | 1235.4 | 1005.6 | 771.6 | 556.8 | 377.6 | 246.3 | 172.4 | 143.7 |
| 40° | 1922.2 | 1699.2 | 1484.4 | 1268.3 | 1034.3 | 790.8 | 558.2 | 368.0 | 229.8 | 158.7 | 134.1 |
| 42.5° | 1977.0 | 1749.9 | 1529.6 | 1305.2 | 1067.1 | 812.7 | 566.4 | 359.8 | 216.2 | 146.4 | 124.5 |
| 45° | 2019.4 | 1796.4 | 1578.8 | 1357.2 | 1120.5 | 848.2 | 581.5 | 354.3 | 202.5 | 135.4 | 116.3 |
| 47.5° | 2063.2 | 1864.8 | 1662.3 | 1439.3 | 1198.5 | 904.3 | 607.5 | 353.0 | 191.5 | 127.2 | 109.5 |
| 50° | 2123.4 | 1933.2 | 1736.2 | 1522.7 | 1269.6 | 961.8 | 638.9 | 354.3 | 177.9 | 119.0 | 102.6 |
| 52.5° | 2167.1 | 2003.0 | 1831.9 | 1667.8 | 1439.3 | 1136.9 | 760.7 | 379.0 | 171.0 | 112.2 | 94.4 |
| 55° | 2425.7 | 2397.0 | 2401.1 | 2428.4 | 2252.0 | 1934.6 | 1272.4 | 547.3 | 201.1 | 127.2 | 93.0 |
| 57.5° | 3420.4 | 3521.6 | 3580.4 | 3579.1 | 3287.6 | 2726.7 | 1708.8 | 703.2 | 224.4 | 147.8 | 110.8 |
| 60° | 4728.3 | 4651.7 | 4543.6 | 4276.8 | 3889.6 | 3112.5 | 1911.3 | 756.6 | 194.3 | 117.7 | 101.2 |
| 62.5° | 5884.4 | 5435.6 | 5037.5 | 4605.2 | 4097.6 | 3246.6 | 1952.3 | 752.5 | 169.6 | 88.9 | 71.1 |
| 65° | 6605.4 | 5798.2 | 5155.2 | 4613.4 | 4015.5 | 3134.4 | 1847.0 | 690.9 | 143.7 | 72.5 | 58.8 |
| 67.5° | 6777.8 | 5602.5 | 4692.7 | 4001.8 | 3354.7 | 2439.4 | 1355.8 | 519.9 | 112.2 | 60.2 | 52.0 |
| 69° | 6401.5 | 4980.0 | 3888.3 | 3104.3 | 2440.8 | 1618.5 | 838.7 | 328.4 | 86.2 | 54.7 | 47.9 |
| 70° | 5888.5 | 4331.5 | 3167.2 | 2491.4 | 1807.3 | 1136.9 | 586.9 | 231.2 | 69.8 | 50.6 | 43.8 |
| 72.5° | 3788.4 | 2275.2 | 1556.9 | 1083.6 | 745.6 | 452.9 | 229.8 | 104.0 | 53.4 | 42.4 | 35.6 |
| 75° | 1469.4 | 841.4 | 610.2 | 463.8 | 362.6 | 251.7 | 139.6 | 67.0 | 45.1 | 35.6 | 27.4 |
| 77.5° | 723.7 | 554.1 | 452.9 | 310.6 | 180.6 | 112.2 | 75.2 | 52.0 | 36.9 | 26.0 | 17.8 |
| 80° | 571.9 | 380.3 | 227.1 | 140.9 | 106.7 | 80.7 | 57.5 | 42.4 | 27.4 | 16.4 | 12.3 |
| 82.5° | 292.8 | 160.1 | 117.7 | 95.8 | 79.4 | 62.9 | 46.5 | 30.1 | 17.8 | 10.9 | 9.6 |
| 85° | 91.7 | 67.0 | 60.2 | 58.8 | 54.7 | 45.1 | 32.8 | 19.2 | 10.9 | 6.8 | 6.8 |
| 87.5° | 6.8 | 9.6 | 12.3 | 9.6 | 10.9 | 9.6 | 12.3 | 8.2 | 5.5 | 5.5 | 4.1 |
| 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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CATALOG NUMBER: TMU-E04-LED-E-U-SL4-HSS-7050

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 630.7 | 630.7 | 630.7 | 630.7 | 630.7 | 630.7 | 630.7 | 630.7 | 630.7 | 630.7 | 630.7 |
| 2.5° | 574.6 | 558.2 | 543.2 | 533.6 | 515.8 | 508.9 | 502.1 | 499.4 | 487.1 | 489.8 | 478.8 |
| 5° | 502.1 | 473.4 | 451.5 | 429.6 | 409.1 | 394.0 | 381.7 | 366.7 | 354.3 | 348.9 | 337.9 |
| 7.5° | 436.4 | 399.5 | 370.8 | 347.5 | 322.9 | 303.7 | 287.3 | 276.4 | 265.4 | 254.5 | 249.0 |
| 10° | 379.0 | 339.3 | 306.5 | 283.2 | 259.9 | 243.5 | 231.2 | 223.0 | 216.2 | 212.1 | 210.7 |
| 12.5° | 325.6 | 287.3 | 257.2 | 236.7 | 218.9 | 210.7 | 205.2 | 201.1 | 199.7 | 198.4 | 198.4 |
| 15° | 284.6 | 246.3 | 223.0 | 208.0 | 199.7 | 195.6 | 194.3 | 191.5 | 188.8 | 187.4 | 187.4 |
| 17.5° | 246.3 | 217.5 | 201.1 | 192.9 | 188.8 | 186.1 | 183.3 | 180.6 | 177.9 | 176.5 | 176.5 |
| 20° | 220.3 | 197.0 | 188.8 | 183.3 | 179.2 | 176.5 | 172.4 | 169.6 | 168.3 | 166.9 | 165.5 |
| 22.5° | 199.7 | 184.7 | 179.2 | 175.1 | 169.6 | 165.5 | 162.8 | 160.1 | 157.3 | 156.0 | 154.6 |
| 25° | 184.7 | 175.1 | 171.0 | 165.5 | 160.1 | 156.0 | 151.9 | 147.8 | 145.0 | 143.7 | 140.9 |
| 27.5° | 173.8 | 166.9 | 161.4 | 154.6 | 149.1 | 145.0 | 140.9 | 136.8 | 134.1 | 131.3 | 130.0 |
| 30° | 164.2 | 157.3 | 150.5 | 145.0 | 138.2 | 134.1 | 128.6 | 124.5 | 123.1 | 120.4 | 117.7 |
| 32.5° | 154.6 | 147.8 | 140.9 | 134.1 | 127.2 | 121.8 | 119.0 | 113.6 | 110.8 | 109.5 | 106.7 |
| 35° | 143.7 | 136.8 | 128.6 | 123.1 | 116.3 | 110.8 | 106.7 | 102.6 | 99.9 | 97.1 | 95.8 |
| 37.5° | 134.1 | 125.9 | 117.7 | 110.8 | 105.3 | 99.9 | 95.8 | 91.7 | 88.9 | 86.2 | 84.8 |
| 40° | 123.1 | 114.9 | 106.7 | 99.9 | 94.4 | 90.3 | 86.2 | 82.1 | 79.4 | 78.0 | 78.0 |
| 42.5° | 113.6 | 104.0 | 95.8 | 90.3 | 86.2 | 80.7 | 76.6 | 72.5 | 71.1 | 69.8 | 71.1 |
| 45° | 104.0 | 94.4 | 87.6 | 82.1 | 78.0 | 72.5 | 68.4 | 65.7 | 64.3 | 65.7 | 67.0 |
| 47.5° | 95.8 | 86.2 | 79.4 | 75.2 | 71.1 | 67.0 | 62.9 | 60.2 | 60.2 | 62.9 | 65.7 |
| 50° | 87.6 | 78.0 | 72.5 | 69.8 | 65.7 | 61.6 | 56.1 | 54.7 | 56.1 | 58.8 | 61.6 |
| 52.5° | 79.4 | 68.4 | 64.3 | 62.9 | 58.8 | 54.7 | 50.6 | 49.3 | 50.6 | 53.4 | 52.0 |
| 55° | 71.1 | 60.2 | 58.8 | 57.5 | 53.4 | 47.9 | 43.8 | 43.8 | 43.8 | 42.4 | 39.7 |
| 57.5° | 68.4 | 53.4 | 52.0 | 50.6 | 46.5 | 41.0 | 38.3 | 35.6 | 34.2 | 30.1 | 28.7 |
| 60° | 71.1 | 47.9 | 47.9 | 45.1 | 41.0 | 35.6 | 31.5 | 27.4 | 24.6 | 21.9 | 21.9 |
| 62.5° | 57.5 | 43.8 | 42.4 | 39.7 | 34.2 | 28.7 | 24.6 | 20.5 | 19.2 | 17.8 | 17.8 |
| 65° | 46.5 | 39.7 | 36.9 | 32.8 | 28.7 | 23.3 | 19.2 | 16.4 | 15.0 | 15.0 | 16.4 |
| 67.5° | 42.4 | 35.6 | 31.5 | 27.4 | 23.3 | 17.8 | 15.0 | 13.7 | 13.7 | 15.0 | 15.0 |
| 69° | 39.7 | 32.8 | 28.7 | 24.6 | 20.5 | 16.4 | 13.7 | 13.7 | 13.7 | 13.7 | 15.0 |
| 70° | 36.9 | 31.5 | 27.4 | 23.3 | 17.8 | 13.7 | 12.3 | 12.3 | 13.7 | 13.7 | 15.0 |
| 72.5° | 28.7 | 24.6 | 23.3 | 19.2 | 13.7 | 12.3 | 10.9 | 12.3 | 12.3 | 13.7 | 13.7 |
| 75° | 21.9 | 17.8 | 17.8 | 15.0 | 10.9 | 9.6 | 9.6 | 10.9 | 10.9 | 12.3 | 12.3 |
| 77.5° | 15.0 | 12.3 | 12.3 | 10.9 | 9.6 | 8.2 | 8.2 | 9.6 | 10.9 | 10.9 | 12.3 |
| 80° | 10.9 | 9.6 | 8.2 | 9.6 | 8.2 | 6.8 | 8.2 | 9.6 | 9.6 | 10.9 | 10.9 |
| 82.5° | 8.2 | 8.2 | 8.2 | 8.2 | 6.8 | 6.8 | 8.2 | 8.2 | 9.6 | 10.9 | 10.9 |
| 85° | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 8.2 | 8.2 | 9.6 | 9.6 |
| 87.5° | 4.1 | 4.1 | 4.1 | 5.5 | 5.5 | 6.8 | 6.8 | 6.8 | 6.8 | 8.2 | 8.2 |
| 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: P151931

CATALOG NUMBER: TMU-E04-LED-E-U-SL4-HSS-7050

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 0° | 630.7 | 630.7 | 630.7 | 630.7 |
| 2.5° | 476.1 | 474.7 | 469.3 | 470.6 |
| 5° | 333.8 | 325.6 | 331.1 | 329.7 |
| 7.5° | 244.9 | 243.5 | 242.2 | 244.9 |
| 10° | 209.3 | 209.3 | 208.0 | 209.3 |
| 12.5° | 197.0 | 197.0 | 197.0 | 197.0 |
| 15° | 187.4 | 187.4 | 186.1 | 186.1 |
| 17.5° | 176.5 | 176.5 | 176.5 | 175.1 |
| 20° | 165.5 | 164.2 | 164.2 | 164.2 |
| 22.5° | 153.2 | 151.9 | 151.9 | 151.9 |
| 25° | 140.9 | 139.6 | 139.6 | 139.6 |
| 27.5° | 128.6 | 127.2 | 125.9 | 125.9 |
| 30° | 116.3 | 114.9 | 113.6 | 113.6 |
| 32.5° | 104.0 | 102.6 | 101.2 | 101.2 |
| 35° | 93.0 | 93.0 | 91.7 | 90.3 |
| 37.5° | 83.5 | 83.5 | 83.5 | 83.5 |
| 40° | 76.6 | 78.0 | 78.0 | 78.0 |
| 42.5° | 72.5 | 73.9 | 75.2 | 76.6 |
| 45° | 69.8 | 72.5 | 73.9 | 73.9 |
| 47.5° | 68.4 | 69.8 | 71.1 | 71.1 |
| 50° | 62.9 | 61.6 | 61.6 | 61.6 |
| 52.5° | 50.6 | 47.9 | 46.5 | 45.1 |
| 55° | 36.9 | 35.6 | 32.8 | 32.8 |
| 57.5° | 26.0 | 26.0 | 24.6 | 24.6 |
| 60° | 20.5 | 20.5 | 19.2 | 20.5 |
| 62.5° | 17.8 | 17.8 | 17.8 | 17.8 |
| 65° | 16.4 | 16.4 | 16.4 | 16.4 |
| 67.5° | 16.4 | 16.4 | 16.4 | 16.4 |
| 69° | 15.0 | 15.0 | 15.0 | 15.0 |
| 70° | 15.0 | 15.0 | 15.0 | 15.0 |
| 72.5° | 13.7 | 13.7 | 13.7 | 13.7 |
| 75° | 12.3 | 13.7 | 13.7 | 13.7 |
| 77.5° | 12.3 | 12.3 | 12.3 | 12.3 |
| 80° | 10.9 | 10.9 | 12.3 | 12.3 |
| 82.5° | 10.9 | 10.9 | 10.9 | 10.9 |
| 85° | 9.6 | 9.6 | 10.9 | 10.9 |
| 87.5° | 8.2 | 8.2 | 9.6 | 9.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)