

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: P148529

Luminaire Tested: **TMU-E06-LED-E-U-5XQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P148529
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33676)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: TMU-E06-LED-E-U-5XQ-7030
Description: TALON MEDIUM LED AREA LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (126) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17428.8 lumens
Efficiency: N/A
Efficacy: 115.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G3

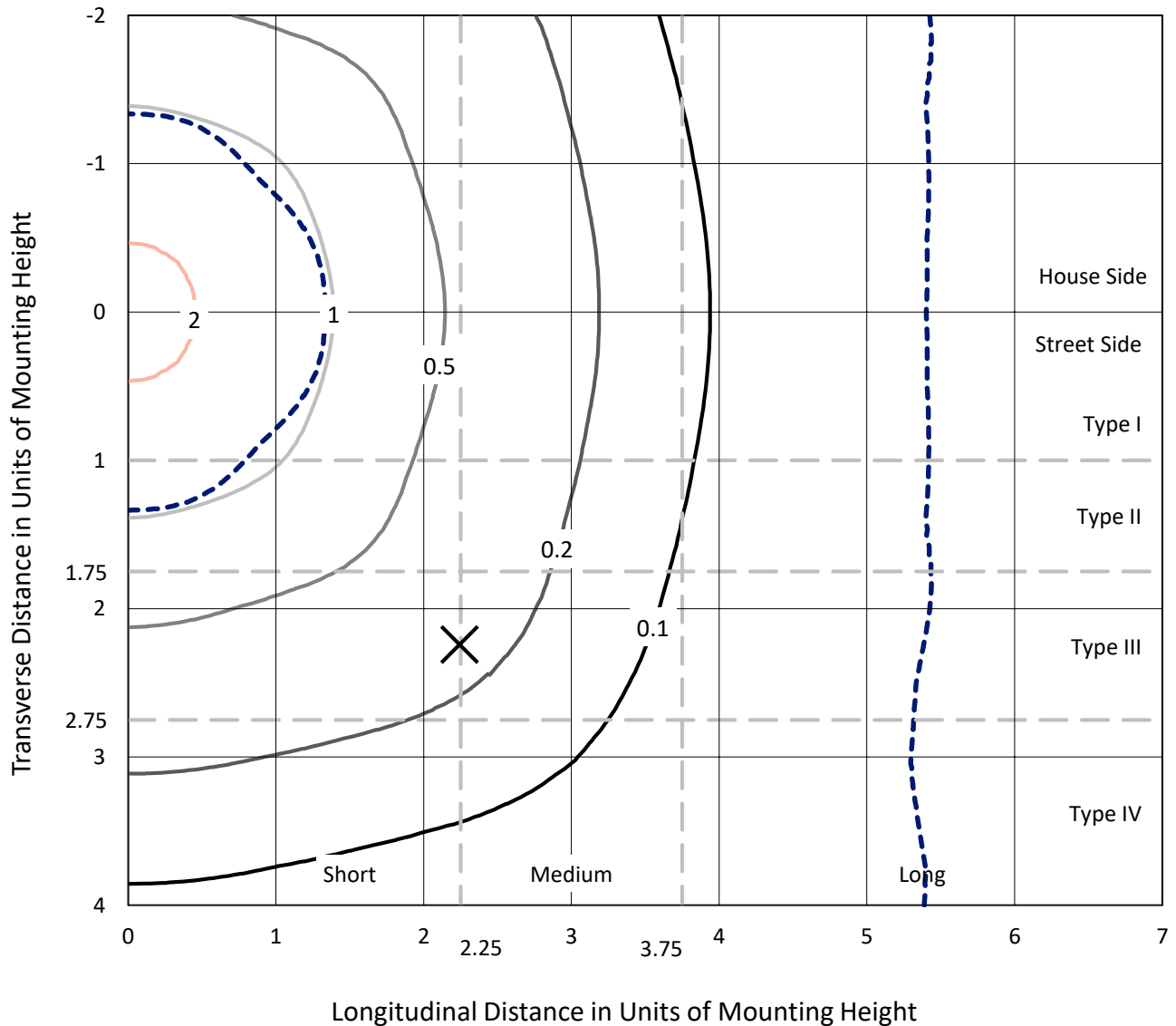
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P148529
 CATALOG NUMBER: TMU-E06-LED-E-U-5XQ-7030

Iso-Footcandle Lines of Horizontal Illumination

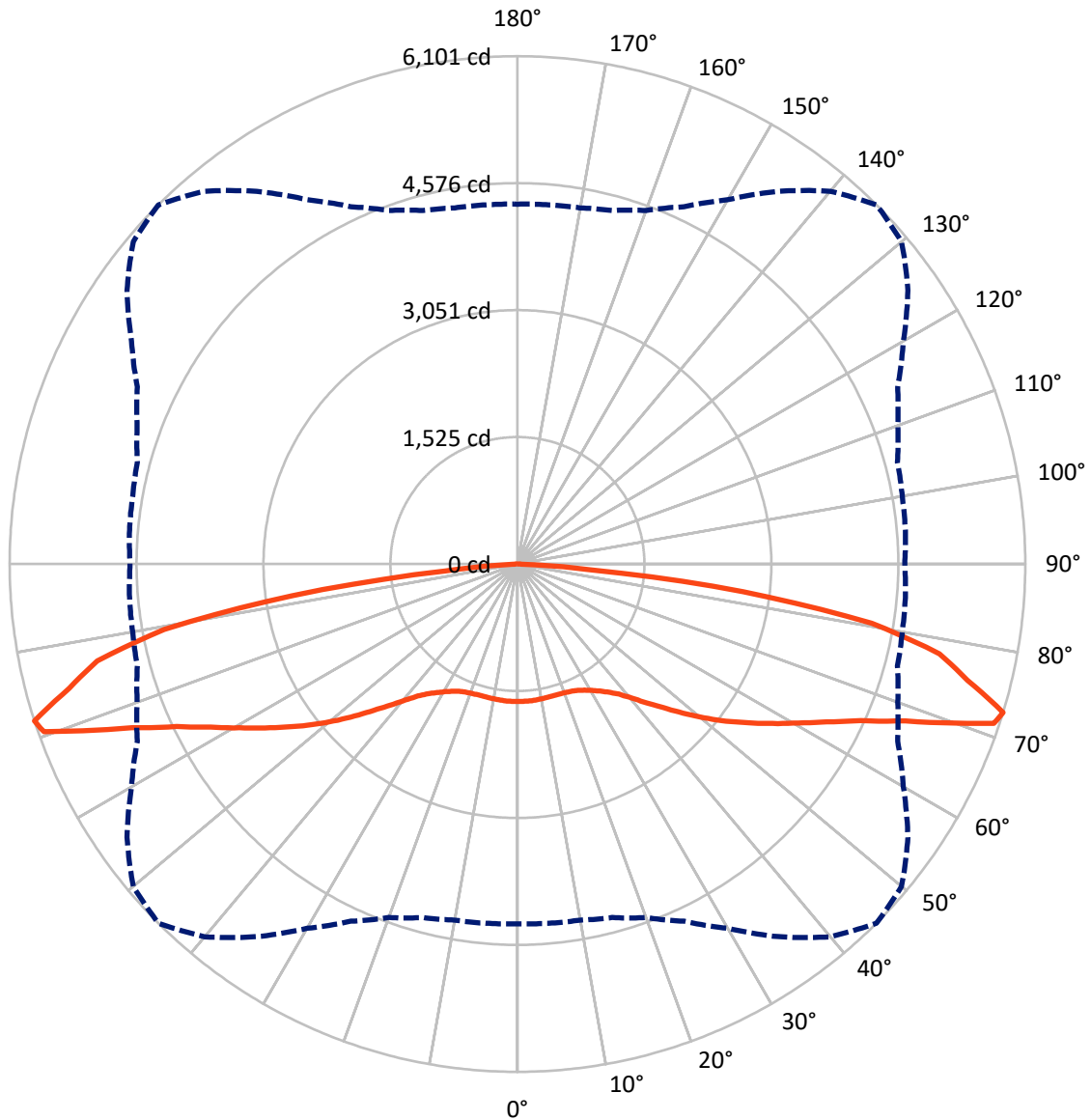
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P148529
CATALOG NUMBER: TMU-E06-LED-E-U-5XQ-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P148529

CATALOG NUMBER: TMU-E06-LED-E-U-5XQ-7030

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 8714.4 | 0.0 | 8714.4 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 8714.4 | 0.0 | 8714.4 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 17428.8 | 0.0 | 17428.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 157.4 | 0.9 |
| 10°-20° | 465.5 | 2.7 |
| 20°-30° | 779.6 | 4.5 |
| 30°-40° | 1188.5 | 6.8 |
| 40°-50° | 1897.7 | 10.9 |
| 50°-60° | 2917.9 | 16.7 |
| 60°-70° | 4248.4 | 24.4 |
| 70°-80° | 4785.8 | 27.5 |
| 80°-90° | 988.0 | 5.7 |
| 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° | 17428.8 | 100.0 |
| 0°-180° | 17428.8 | 100.0 |



REPORT NUMBER: P148529

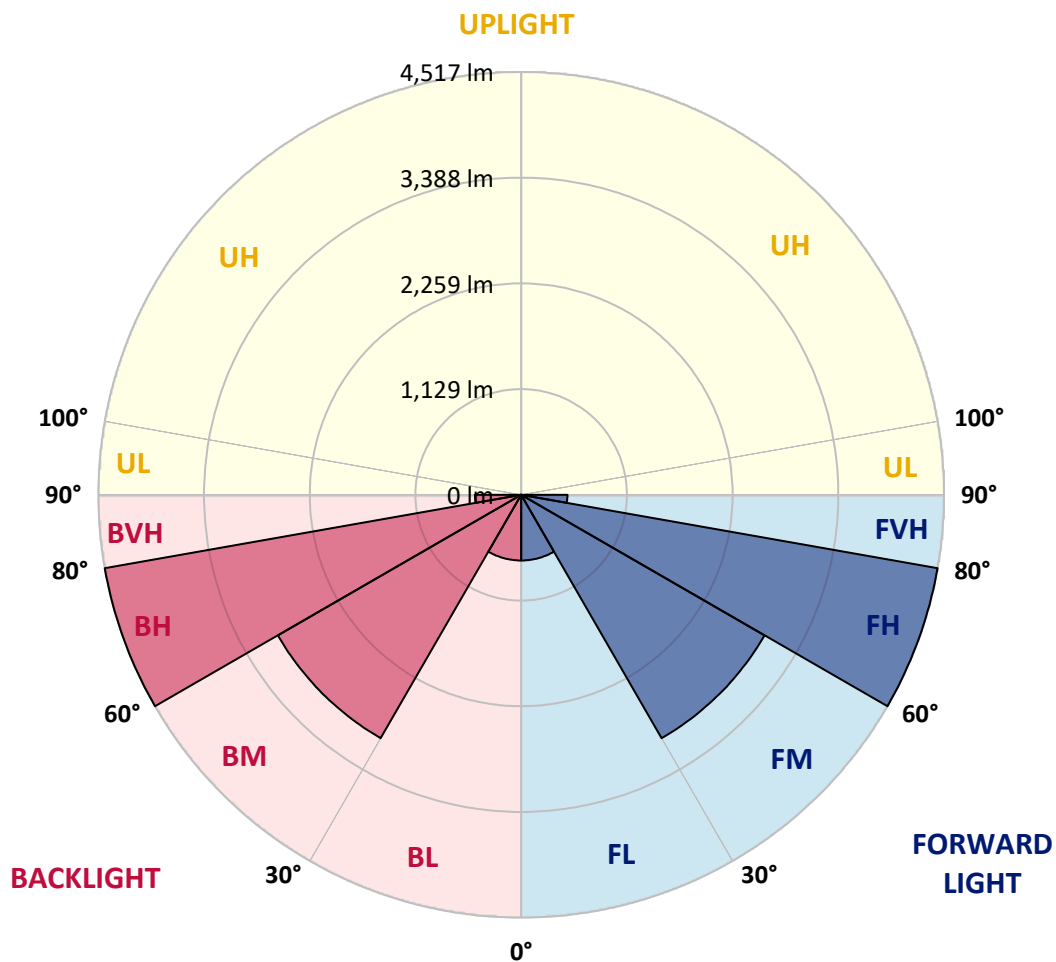
CATALOG NUMBER: TMU-E06-LED-E-U-5XQ-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 701.3 | 4.0 | | | |
| FM | (30°-60°) | 3002.0 | 17.2 | | | |
| FH | (60°-80°) | 4517.1 | 25.9 | | | G2/5000 |
| FVH | (80°-90°) | 494.0 | 2.8 | | | G3/500 |
| BL | (0°-30°) | 701.3 | 4.0 | B2/1000 | | |
| BM | (30°-60°) | 3002.0 | 17.2 | B3/5000 | | |
| BH | (60°-80°) | 4517.1 | 25.9 | B4/5000 | | G2/5000 |
| BVH | (80°-90°) | 494.0 | 2.8 | | | G3/500 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G3

Type V Short





REPORT NUMBER: P148529

CATALOG NUMBER: TMU-E06-LED-E-U-5XQ-7030

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1651.3 | 1651.3 | 1651.3 | 1651.3 | 1651.3 | 1651.3 | 1651.3 | 1651.3 | 1651.3 | 1651.3 | 1651.3 |
| 2.5° | 1654.0 | 1655.0 | 1654.5 | 1653.6 | 1654.1 | 1653.6 | 1652.7 | 1652.2 | 1649.0 | 1650.9 | 1653.6 |
| 5° | 1654.1 | 1653.2 | 1652.7 | 1652.2 | 1652.2 | 1653.6 | 1652.2 | 1650.9 | 1650.4 | 1651.4 | 1650.0 |
| 7.5° | 1653.2 | 1651.4 | 1650.4 | 1650.0 | 1650.4 | 1650.9 | 1649.5 | 1647.7 | 1649.0 | 1647.7 | 1645.8 |
| 10° | 1650.4 | 1649.1 | 1649.5 | 1647.7 | 1648.1 | 1647.7 | 1645.9 | 1644.5 | 1645.4 | 1644.0 | 1641.8 |
| 12.5° | 1651.4 | 1649.0 | 1648.6 | 1647.7 | 1647.2 | 1646.8 | 1644.5 | 1642.2 | 1642.6 | 1641.8 | 1639.4 |
| 15° | 1651.4 | 1650.0 | 1649.6 | 1647.7 | 1647.2 | 1646.4 | 1643.6 | 1642.7 | 1642.6 | 1641.3 | 1638.6 |
| 17.5° | 1652.3 | 1651.4 | 1651.4 | 1649.0 | 1648.1 | 1647.7 | 1644.5 | 1643.1 | 1644.5 | 1641.8 | 1639.9 |
| 20° | 1655.0 | 1654.1 | 1654.5 | 1653.2 | 1651.4 | 1651.3 | 1649.0 | 1648.2 | 1648.6 | 1648.2 | 1643.1 |
| 22.5° | 1660.5 | 1660.5 | 1661.4 | 1661.0 | 1660.5 | 1660.9 | 1659.1 | 1659.1 | 1659.6 | 1659.6 | 1655.5 |
| 25° | 1676.0 | 1675.5 | 1676.4 | 1676.5 | 1676.9 | 1680.1 | 1678.7 | 1678.3 | 1680.6 | 1680.6 | 1676.4 |
| 27.5° | 1705.2 | 1704.3 | 1705.2 | 1706.1 | 1708.4 | 1712.5 | 1711.6 | 1713.0 | 1716.6 | 1715.7 | 1712.1 |
| 30° | 1739.0 | 1738.1 | 1740.4 | 1743.1 | 1745.0 | 1751.4 | 1748.6 | 1755.5 | 1758.7 | 1761.4 | 1758.6 |
| 32.5° | 1788.3 | 1788.4 | 1792.4 | 1794.3 | 1798.4 | 1804.8 | 1805.7 | 1811.2 | 1815.3 | 1819.8 | 1816.7 |
| 35° | 1854.1 | 1853.2 | 1856.4 | 1859.6 | 1864.6 | 1870.6 | 1872.8 | 1880.1 | 1886.5 | 1889.7 | 1883.8 |
| 37.5° | 1954.6 | 1949.5 | 1955.5 | 1957.3 | 1961.4 | 1962.8 | 1969.2 | 1978.3 | 1985.2 | 1984.2 | 1980.1 |
| 40° | 2090.7 | 2089.7 | 2087.5 | 2084.7 | 2091.1 | 2093.4 | 2093.4 | 2105.7 | 2116.7 | 2114.9 | 2114.4 |
| 42.5° | 2249.6 | 2245.5 | 2242.7 | 2242.7 | 2246.4 | 2247.3 | 2261.5 | 2270.6 | 2278.3 | 2280.2 | 2278.4 |
| 45° | 2420.4 | 2416.3 | 2417.2 | 2415.4 | 2416.7 | 2422.7 | 2430.8 | 2447.8 | 2462.4 | 2462.9 | 2455.1 |
| 47.5° | 2604.0 | 2591.2 | 2601.2 | 2587.1 | 2595.8 | 2600.3 | 2620.9 | 2645.5 | 2671.1 | 2675.6 | 2668.8 |
| 50° | 2790.3 | 2788.9 | 2788.0 | 2785.2 | 2789.4 | 2799.4 | 2824.5 | 2863.4 | 2888.0 | 2904.4 | 2893.5 |
| 52.5° | 2994.0 | 2987.1 | 2983.9 | 2979.4 | 2983.4 | 3003.1 | 3038.2 | 3072.1 | 3116.4 | 3135.1 | 3120.0 |
| 55° | 3192.2 | 3189.9 | 3178.0 | 3177.6 | 3186.2 | 3216.8 | 3255.2 | 3296.7 | 3344.7 | 3365.7 | 3360.2 |
| 57.5° | 3395.8 | 3382.6 | 3378.9 | 3373.5 | 3390.8 | 3419.6 | 3466.6 | 3541.5 | 3591.3 | 3615.0 | 3601.3 |
| 60° | 3595.0 | 3584.9 | 3577.1 | 3575.3 | 3587.2 | 3627.4 | 3695.0 | 3784.9 | 3846.6 | 3877.6 | 3855.7 |
| 62.5° | 3808.6 | 3802.3 | 3793.2 | 3782.6 | 3807.8 | 3859.4 | 3943.4 | 4043.0 | 4133.8 | 4172.2 | 4138.8 |
| 65° | 4074.4 | 4061.2 | 4051.2 | 4037.9 | 4058.4 | 4123.3 | 4228.8 | 4369.0 | 4490.9 | 4535.7 | 4512.0 |
| 67.5° | 4354.8 | 4342.5 | 4343.4 | 4335.2 | 4371.8 | 4461.8 | 4597.8 | 4788.2 | 4951.7 | 5028.0 | 4983.2 |
| 70° | 4599.6 | 4606.5 | 4608.3 | 4641.6 | 4704.7 | 4841.6 | 5068.2 | 5366.4 | 5614.4 | 5730.8 | 5682.9 |
| 71° | 4527.5 | 4542.6 | 4565.8 | 4600.6 | 4709.2 | 4871.3 | 5180.5 | 5541.8 | 5837.6 | 6034.9 | 5968.8 |
| 72.5° | 4322.9 | 4332.0 | 4343.9 | 4396.9 | 4519.7 | 4734.4 | 5052.6 | 5465.5 | 5845.9 | 6101.2 | 6024.5 |
| 75° | 4027.0 | 4035.6 | 4039.7 | 4076.8 | 4188.6 | 4375.9 | 4667.2 | 5033.5 | 5369.1 | 5586.5 | 5565.0 |
| 77.5° | 3580.4 | 3581.7 | 3613.7 | 3670.7 | 3796.4 | 4010.5 | 4317.4 | 4697.3 | 5012.9 | 5181.9 | 5074.6 |
| 80° | 2571.1 | 2553.7 | 2586.6 | 2660.1 | 2815.4 | 3061.1 | 3375.3 | 3809.1 | 4159.4 | 4317.4 | 4151.2 |
| 82.5° | 978.2 | 1031.2 | 1114.8 | 1236.2 | 1288.7 | 1561.8 | 1855.0 | 2109.8 | 2404.8 | 2734.6 | 2651.9 |
| 85° | 105.0 | 118.3 | 148.4 | 184.0 | 232.4 | 321.5 | 444.4 | 606.5 | 747.6 | 878.6 | 780.0 |
| 87.5° | 39.3 | 40.2 | 44.8 | 51.6 | 52.5 | 54.8 | 58.4 | 68.0 | 63.5 | 54.8 | 44.3 |
| 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: P148529

CATALOG NUMBER: TMU-E06-LED-E-U-5XQ-7030

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1651.3 | 1651.3 | 1651.3 | 1651.3 | 1651.3 | 1651.3 | 1651.3 | 1651.3 |
| 2.5° | 1651.3 | 1651.8 | 1651.3 | 1651.8 | 1651.8 | 1650.0 | 1650.4 | 1649.6 |
| 5° | 1650.9 | 1649.6 | 1650.0 | 1650.4 | 1650.0 | 1650.9 | 1649.5 | 1650.4 |
| 7.5° | 1648.6 | 1645.9 | 1646.8 | 1646.8 | 1645.9 | 1647.2 | 1646.3 | 1645.9 |
| 10° | 1644.0 | 1640.4 | 1642.2 | 1641.3 | 1640.8 | 1641.3 | 1641.3 | 1641.2 |
| 12.5° | 1639.9 | 1637.6 | 1638.1 | 1637.6 | 1637.2 | 1638.6 | 1638.1 | 1638.6 |
| 15° | 1639.0 | 1635.4 | 1634.9 | 1634.0 | 1634.4 | 1635.4 | 1635.4 | 1636.8 |
| 17.5° | 1638.1 | 1633.5 | 1633.1 | 1632.2 | 1632.6 | 1634.4 | 1634.9 | 1634.0 |
| 20° | 1640.8 | 1637.2 | 1636.3 | 1635.4 | 1634.9 | 1637.2 | 1636.7 | 1636.8 |
| 22.5° | 1653.6 | 1649.0 | 1648.6 | 1645.0 | 1643.6 | 1645.0 | 1644.0 | 1644.0 |
| 25° | 1674.2 | 1668.7 | 1666.8 | 1661.8 | 1658.2 | 1658.2 | 1656.8 | 1656.0 |
| 27.5° | 1711.2 | 1703.0 | 1701.2 | 1697.0 | 1692.0 | 1692.9 | 1690.2 | 1689.7 |
| 30° | 1754.1 | 1746.8 | 1740.4 | 1734.4 | 1728.5 | 1726.2 | 1723.0 | 1722.6 |
| 32.5° | 1810.2 | 1802.0 | 1794.3 | 1787.0 | 1778.8 | 1775.6 | 1770.1 | 1767.4 |
| 35° | 1879.2 | 1868.2 | 1859.1 | 1854.1 | 1845.9 | 1841.8 | 1838.1 | 1842.2 |
| 37.5° | 1975.6 | 1962.4 | 1957.8 | 1951.8 | 1946.4 | 1940.0 | 1941.3 | 1940.0 |
| 40° | 2109.0 | 2097.1 | 2092.4 | 2082.0 | 2080.6 | 2073.3 | 2077.9 | 2073.3 |
| 42.5° | 2273.8 | 2251.8 | 2248.7 | 2240.4 | 2237.7 | 2233.6 | 2235.4 | 2232.2 |
| 45° | 2453.2 | 2433.6 | 2430.0 | 2416.7 | 2417.2 | 2407.6 | 2411.2 | 2411.2 |
| 47.5° | 2655.1 | 2634.5 | 2617.7 | 2608.1 | 2604.4 | 2598.5 | 2601.7 | 2601.2 |
| 50° | 2863.4 | 2835.5 | 2816.8 | 2798.0 | 2789.8 | 2792.1 | 2785.7 | 2796.6 |
| 52.5° | 3087.1 | 3045.6 | 3019.1 | 3001.3 | 2985.7 | 2988.9 | 2989.8 | 2993.0 |
| 55° | 3318.6 | 3265.7 | 3227.3 | 3204.0 | 3189.9 | 3190.8 | 3194.9 | 3198.6 |
| 57.5° | 3551.6 | 3485.3 | 3433.3 | 3398.6 | 3389.4 | 3393.6 | 3393.6 | 3393.1 |
| 60° | 3793.1 | 3713.7 | 3646.6 | 3607.3 | 3599.0 | 3596.8 | 3614.6 | 3608.6 |
| 62.5° | 4052.5 | 3957.1 | 3887.7 | 3837.4 | 3825.6 | 3833.8 | 3849.8 | 3846.1 |
| 65° | 4396.4 | 4264.4 | 4174.9 | 4125.2 | 4105.0 | 4113.3 | 4134.8 | 4133.8 |
| 67.5° | 4839.8 | 4655.3 | 4537.1 | 4473.1 | 4458.5 | 4468.6 | 4480.4 | 4491.8 |
| 70° | 5503.0 | 5239.4 | 5070.4 | 4932.1 | 4872.7 | 4861.3 | 4873.2 | 4873.6 |
| 71° | 5736.3 | 5433.5 | 5164.5 | 4995.6 | 4898.3 | 4857.2 | 4860.4 | 4839.8 |
| 72.5° | 5726.7 | 5353.6 | 5038.9 | 4862.2 | 4727.0 | 4694.2 | 4678.2 | 4653.5 |
| 75° | 5340.8 | 5004.7 | 4731.6 | 4538.9 | 4408.8 | 4369.9 | 4341.6 | 4340.2 |
| 77.5° | 4843.5 | 4595.5 | 4294.6 | 4090.4 | 3932.0 | 3867.6 | 3838.8 | 3837.9 |
| 80° | 3893.6 | 3522.3 | 3302.2 | 3179.4 | 2988.0 | 2932.8 | 2874.3 | 2852.4 |
| 82.5° | 2354.6 | 1840.0 | 1496.1 | 1329.4 | 1237.1 | 1018.8 | 914.2 | 865.0 |
| 85° | 548.4 | 389.5 | 268.5 | 176.3 | 127.0 | 100.9 | 77.6 | 68.5 |
| 87.5° | 37.0 | 29.2 | 26.0 | 21.0 | 16.0 | 15.5 | 9.6 | 8.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)