

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: P162139

Luminaire Tested: **OVF-E06-LED-E-U-T2-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P162139
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33694)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: OVF-E06-LED-E-U-T2-7060
Description: OVF LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (126) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18461.1 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

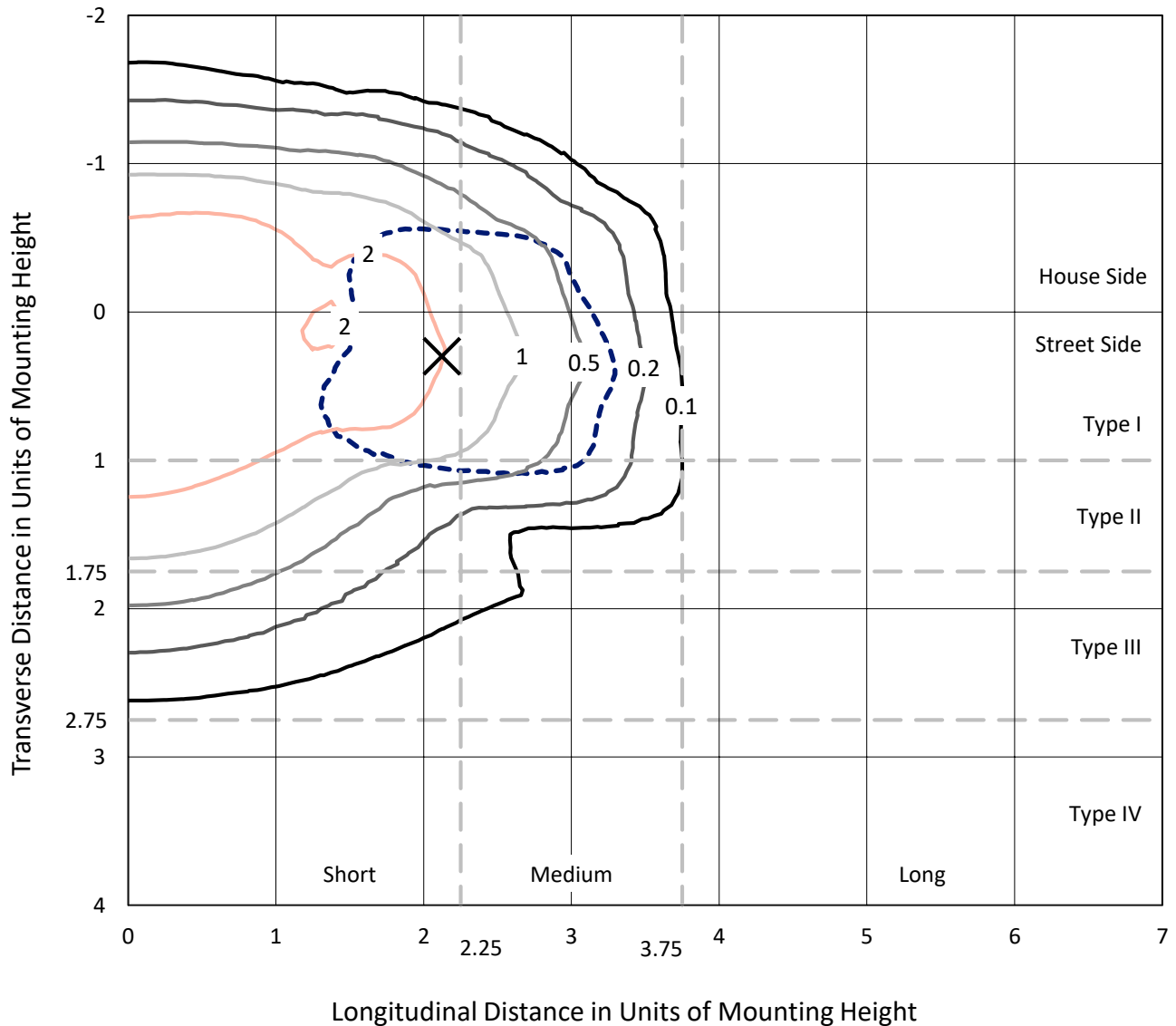
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

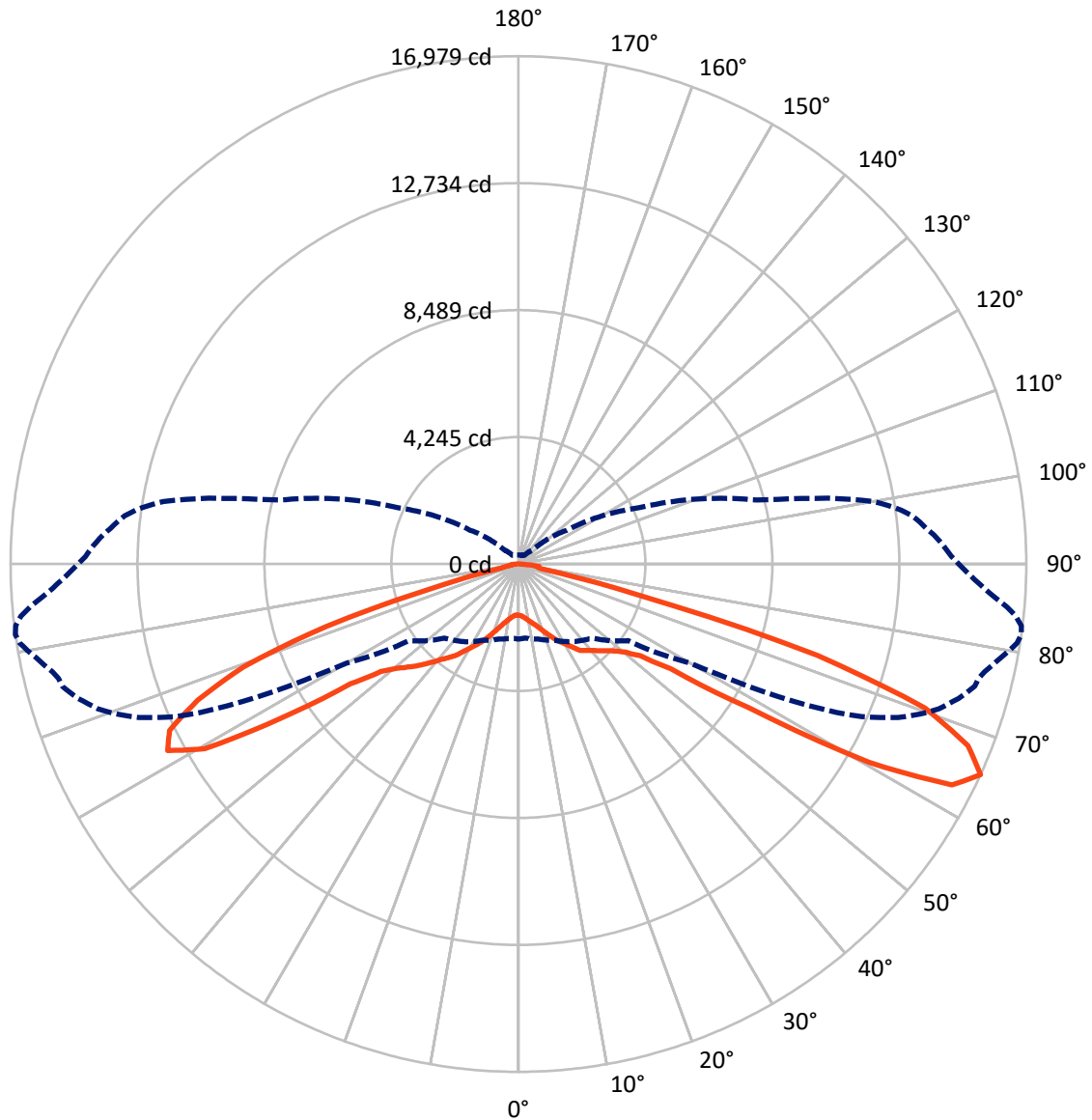
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 6795.7 | 0.0 | 6795.7 |
| | % Fixture | 36.8 | 0.0 | 36.8 |
| Street Side | Lumens | 11665.4 | 0.0 | 11665.4 |
| | % Fixture | 63.2 | 0.0 | 63.2 |
| Total | Lumens | 18461.1 | 0.0 | 18461.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 173.5 | 0.9 |
| 10°-20° | 611.4 | 3.3 |
| 20°-30° | 1212.6 | 6.6 |
| 30°-40° | 2069.1 | 11.2 |
| 40°-50° | 3102.6 | 16.8 |
| 50°-60° | 4318.7 | 23.4 |
| 60°-70° | 4961.6 | 26.9 |
| 70°-80° | 1712.2 | 9.3 |
| 80°-90° | 299.4 | 1.6 |
| 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° | 18461.1 | 100.0 |
| 0°-180° | 18461.1 | 100.0 |

Coefficient of Utilization



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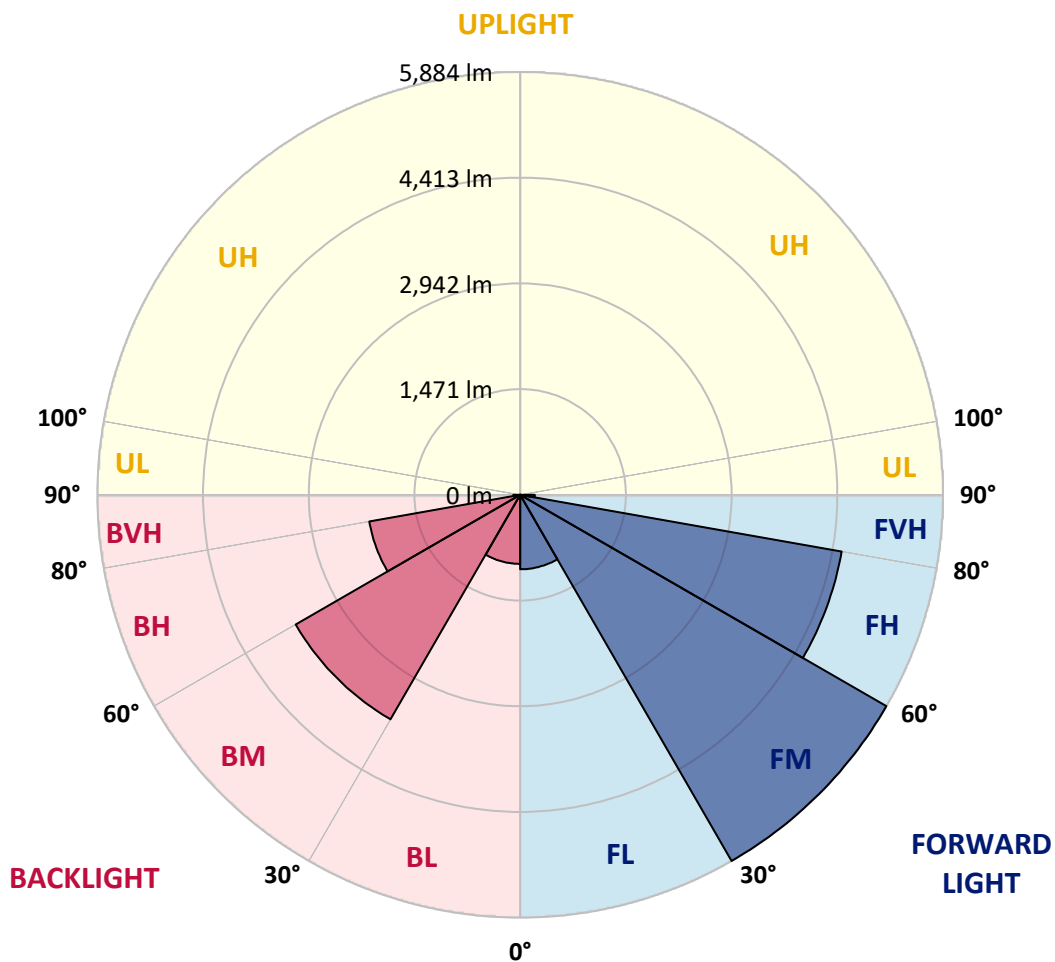
CATALOG NUMBER: OVF-E06-LED-E-U-T2-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 1036.3 | 5.6 | | | |
| FM | (30°-60°) | 5883.8 | 31.9 | | | |
| FH | (60°-80°) | 4542.0 | 24.6 | | | G2/5000 |
| FVH | (80°-90°) | 203.4 | 1.1 | | | G2/225 |
| BL | (0°-30°) | 961.2 | 5.2 | B2/1000 | | |
| BM | (30°-60°) | 3606.6 | 19.5 | B3/5000 | | |
| BH | (60°-80°) | 2131.7 | 11.5 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 96.1 | 0.5 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 64° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| 0° | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 |
| 2.5° | 1805.1 | 1803.9 | 1802.7 | 1797.7 | 1795.3 | 1785.4 | 1775.6 | 1769.4 | 1764.5 | 1767.0 | 1759.6 |
| 5° | 1909.8 | 1909.8 | 1904.9 | 1898.7 | 1891.3 | 1877.8 | 1853.1 | 1840.8 | 1838.4 | 1838.4 | 1829.8 |
| 7.5° | 2016.9 | 2024.3 | 2010.8 | 2005.8 | 1993.5 | 1972.6 | 1944.3 | 1928.3 | 1923.3 | 1923.3 | 1915.9 |
| 10° | 2152.4 | 2148.7 | 2133.9 | 2124.0 | 2099.4 | 2071.1 | 2032.9 | 2014.5 | 2007.1 | 2013.2 | 2000.9 |
| 12.5° | 2295.2 | 2294.0 | 2271.8 | 2253.3 | 2218.9 | 2173.3 | 2122.8 | 2098.2 | 2093.3 | 2093.3 | 2085.9 |
| 15° | 2440.5 | 2441.7 | 2417.1 | 2382.6 | 2328.4 | 2266.9 | 2210.2 | 2186.8 | 2180.7 | 2178.2 | 2169.6 |
| 17.5° | 2551.3 | 2563.6 | 2539.0 | 2494.7 | 2428.2 | 2360.5 | 2300.1 | 2276.7 | 2275.5 | 2273.0 | 2263.2 |
| 20° | 2614.1 | 2616.6 | 2603.0 | 2571.0 | 2511.9 | 2446.6 | 2404.8 | 2393.7 | 2392.5 | 2393.7 | 2396.2 |
| 22.5° | 2611.6 | 2615.3 | 2610.4 | 2598.1 | 2559.9 | 2524.2 | 2519.3 | 2525.5 | 2529.1 | 2525.5 | 2534.1 |
| 25° | 2591.9 | 2596.9 | 2596.9 | 2603.0 | 2593.2 | 2605.5 | 2644.9 | 2662.1 | 2663.4 | 2665.8 | 2684.3 |
| 27.5° | 2635.0 | 2640.0 | 2638.7 | 2649.8 | 2658.4 | 2701.5 | 2772.9 | 2803.7 | 2807.4 | 2816.0 | 2833.3 |
| 30° | 2834.5 | 2835.7 | 2813.6 | 2812.3 | 2821.0 | 2855.4 | 2928.1 | 2963.8 | 2960.1 | 2977.3 | 2988.4 |
| 32.5° | 3149.7 | 3159.6 | 3137.4 | 3114.0 | 3110.3 | 3115.3 | 3128.8 | 3153.4 | 3149.7 | 3158.4 | 3173.1 |
| 35° | 3509.3 | 3510.5 | 3498.2 | 3511.7 | 3519.1 | 3485.9 | 3421.9 | 3415.7 | 3396.0 | 3399.7 | 3404.6 |
| 37.5° | 3839.3 | 3847.9 | 3871.3 | 3957.5 | 4006.7 | 3925.5 | 3799.9 | 3721.1 | 3708.8 | 3702.6 | 3659.5 |
| 40° | 4148.3 | 4191.4 | 4248.1 | 4360.1 | 4427.9 | 4457.4 | 4278.9 | 4120.0 | 4076.9 | 4059.7 | 3992.0 |
| 42.5° | 4510.3 | 4532.5 | 4599.0 | 4727.1 | 4816.9 | 4951.2 | 4831.7 | 4656.9 | 4606.4 | 4532.5 | 4447.6 |
| 45° | 4816.9 | 4831.7 | 4873.6 | 4981.9 | 5170.3 | 5394.4 | 5408.0 | 5286.1 | 5246.7 | 5172.8 | 5048.4 |
| 47.5° | 5022.6 | 5021.3 | 5052.1 | 5158.0 | 5403.1 | 5745.4 | 5948.5 | 5943.6 | 5898.1 | 5872.2 | 5766.3 |
| 50° | 5102.6 | 5101.4 | 5121.1 | 5239.3 | 5506.5 | 5954.7 | 6402.9 | 6556.8 | 6555.6 | 6565.4 | 6511.3 |
| 52.5° | 5117.4 | 5116.2 | 5118.6 | 5213.4 | 5485.6 | 6027.3 | 6730.4 | 7093.7 | 7146.6 | 7213.1 | 7273.4 |
| 55° | 5006.6 | 5018.9 | 5046.0 | 5145.7 | 5406.8 | 5997.8 | 6973.0 | 7597.3 | 7724.1 | 7859.6 | 8078.7 |
| 57.5° | 4750.5 | 4773.9 | 4867.4 | 5046.0 | 5323.0 | 5925.1 | 7141.7 | 8220.3 | 8477.7 | 8805.2 | 9398.7 |
| 60° | 4383.5 | 4404.5 | 4533.7 | 4770.2 | 5079.2 | 5608.7 | 6945.9 | 8481.4 | 8970.2 | 9539.1 | 10755.6 |
| 62.5° | 3734.6 | 3793.7 | 3862.7 | 4030.1 | 4354.0 | 4780.0 | 6066.7 | 8040.6 | 8797.8 | 9632.7 | 11307.3 |
| 65° | 2508.2 | 2483.6 | 2598.1 | 2811.1 | 3167.0 | 3498.2 | 4469.7 | 6631.9 | 7589.9 | 8738.7 | 10811.0 |
| 67.5° | 1552.7 | 1556.4 | 1634.0 | 1842.1 | 2110.5 | 2367.8 | 2833.3 | 4227.1 | 5076.8 | 6168.9 | 8661.2 |
| 70° | 1283.0 | 1297.8 | 1360.6 | 1553.9 | 1783.0 | 2073.6 | 2103.1 | 2241.0 | 2621.5 | 3149.7 | 5350.1 |
| 72.5° | 1018.3 | 1024.5 | 1088.5 | 1249.8 | 1573.6 | 1972.6 | 2497.1 | 1702.9 | 1673.4 | 1753.4 | 2713.8 |
| 75° | 631.7 | 636.6 | 668.6 | 772.0 | 1020.8 | 1536.7 | 2749.6 | 1957.8 | 1834.7 | 1731.2 | 1748.5 |
| 77.5° | 326.3 | 336.2 | 353.4 | 400.2 | 535.6 | 858.2 | 2164.7 | 2482.4 | 2342.0 | 2201.6 | 1927.0 |
| 80° | 184.7 | 184.7 | 200.7 | 211.8 | 253.7 | 349.7 | 1100.8 | 2686.8 | 2935.5 | 2995.8 | 2690.4 |
| 82.5° | 82.5 | 92.3 | 124.4 | 133.0 | 145.3 | 160.1 | 364.5 | 1614.3 | 2239.8 | 2797.6 | 3457.6 |
| 85° | 49.3 | 48.0 | 78.8 | 86.2 | 89.9 | 76.3 | 136.7 | 658.8 | 1046.6 | 1531.8 | 2291.5 |
| 87.5° | 19.7 | 20.9 | 33.2 | 35.7 | 41.9 | 30.8 | 51.7 | 141.6 | 208.1 | 301.7 | 426.0 |
| 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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CATALOG NUMBER: OVF-E06-LED-E-U-T2-7060

CANDELA DISTRIBUTION (continued):

| | 65° | 66° | 67° | 68° | 69° | 70° | 71° | 72° | 73° | 74° | 75° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 |
| 2.5° | 1758.3 | 1758.3 | 1757.1 | 1755.9 | 1754.6 | 1750.9 | 1749.7 | 1747.3 | 1746.0 | 1742.3 | 1741.1 |
| 5° | 1828.5 | 1824.8 | 1823.6 | 1821.1 | 1819.9 | 1815.0 | 1815.0 | 1810.0 | 1806.4 | 1801.4 | 1800.2 |
| 7.5° | 1912.3 | 1907.3 | 1903.6 | 1901.2 | 1899.9 | 1891.3 | 1891.3 | 1883.9 | 1882.7 | 1876.5 | 1874.1 |
| 10° | 1997.2 | 1993.5 | 1988.6 | 1986.1 | 1984.9 | 1980.0 | 1975.0 | 1970.1 | 1966.4 | 1962.7 | 1957.8 |
| 12.5° | 2082.2 | 2074.8 | 2072.3 | 2068.6 | 2066.2 | 2062.5 | 2061.2 | 2050.2 | 2050.2 | 2046.5 | 2041.5 |
| 15° | 2164.7 | 2163.4 | 2154.8 | 2153.6 | 2151.1 | 2152.4 | 2145.0 | 2146.2 | 2142.5 | 2136.4 | 2133.9 |
| 17.5° | 2265.6 | 2257.0 | 2260.7 | 2254.6 | 2255.8 | 2253.3 | 2250.9 | 2249.6 | 2252.1 | 2250.9 | 2253.3 |
| 20° | 2391.2 | 2388.8 | 2392.5 | 2383.8 | 2392.5 | 2393.7 | 2391.2 | 2397.4 | 2394.9 | 2397.4 | 2390.0 |
| 22.5° | 2540.2 | 2531.6 | 2531.6 | 2537.8 | 2541.5 | 2552.5 | 2546.4 | 2551.3 | 2556.2 | 2559.9 | 2555.0 |
| 25° | 2690.4 | 2688.0 | 2692.9 | 2697.8 | 2705.2 | 2715.1 | 2712.6 | 2713.8 | 2723.7 | 2729.9 | 2731.1 |
| 27.5° | 2843.1 | 2843.1 | 2857.9 | 2857.9 | 2867.8 | 2878.8 | 2882.5 | 2887.5 | 2894.8 | 2903.5 | 2903.5 |
| 30° | 3000.7 | 3000.7 | 3014.3 | 3026.6 | 3031.5 | 3045.1 | 3052.5 | 3059.8 | 3073.4 | 3075.9 | 3086.9 |
| 32.5° | 3180.5 | 3184.2 | 3197.8 | 3205.1 | 3216.2 | 3232.2 | 3234.7 | 3243.3 | 3259.3 | 3264.2 | 3272.9 |
| 35° | 3414.5 | 3402.2 | 3414.5 | 3428.0 | 3434.2 | 3429.2 | 3456.3 | 3467.4 | 3478.5 | 3484.7 | 3495.7 |
| 37.5° | 3655.8 | 3634.9 | 3636.1 | 3633.6 | 3618.9 | 3627.5 | 3627.5 | 3625.0 | 3632.4 | 3631.2 | 3636.1 |
| 40° | 3961.2 | 3924.2 | 3913.2 | 3889.8 | 3857.7 | 3840.5 | 3822.0 | 3819.6 | 3801.1 | 3808.5 | 3794.9 |
| 42.5° | 4379.8 | 4324.4 | 4294.9 | 4222.2 | 4182.8 | 4136.0 | 4090.5 | 4051.1 | 4030.1 | 4006.7 | 3989.5 |
| 45° | 4954.9 | 4889.6 | 4818.2 | 4701.2 | 4633.5 | 4539.9 | 4479.6 | 4389.7 | 4329.3 | 4278.9 | 4243.2 |
| 47.5° | 5676.4 | 5566.8 | 5509.0 | 5399.4 | 5281.2 | 5139.6 | 5010.3 | 4884.7 | 4782.5 | 4671.7 | 4584.2 |
| 50° | 6514.9 | 6378.3 | 6332.7 | 6187.4 | 6120.9 | 5962.1 | 5824.2 | 5669.0 | 5509.0 | 5341.5 | 5181.4 |
| 52.5° | 7257.4 | 7241.4 | 7259.9 | 7162.6 | 7160.2 | 7080.1 | 6927.4 | 6746.4 | 6597.4 | 6428.8 | 6218.2 |
| 55° | 8147.7 | 8306.5 | 8341.0 | 8327.5 | 8400.1 | 8397.6 | 8382.9 | 8364.4 | 8246.2 | 8007.3 | 7934.7 |
| 57.5° | 9718.9 | 9897.4 | 10160.9 | 10280.3 | 10543.8 | 10574.6 | 10818.4 | 10723.6 | 10904.6 | 10855.4 | 10888.6 |
| 60° | 11318.4 | 11866.3 | 12366.2 | 12746.7 | 13116.1 | 13452.2 | 13863.5 | 14039.6 | 14171.3 | 14377.0 | 14593.7 |
| 62.5° | 12033.8 | 12724.5 | 13320.5 | 13862.3 | 14321.6 | 14747.6 | 15101.0 | 15435.9 | 15699.4 | 15935.8 | 16118.1 |
| 65° | 11744.4 | 12546.0 | 13127.2 | 13692.4 | 14120.9 | 14517.3 | 14868.3 | 15119.5 | 15381.7 | 15596.0 | 15789.3 |
| 67.5° | 9778.0 | 10845.5 | 11604.0 | 12245.5 | 12783.6 | 13235.5 | 13600.0 | 13946.0 | 14131.9 | 14365.9 | 14470.5 |
| 70° | 6476.8 | 7846.0 | 8918.5 | 9785.4 | 10638.7 | 11150.9 | 11583.1 | 11985.7 | 12197.5 | 12387.1 | 12504.1 |
| 72.5° | 3557.3 | 4493.1 | 5638.2 | 6668.9 | 7488.9 | 8161.2 | 8664.8 | 9046.6 | 9264.5 | 9427.0 | 9258.3 |
| 75° | 2015.7 | 2477.4 | 3037.7 | 3607.8 | 4229.6 | 4703.7 | 4836.7 | 4999.2 | 5037.4 | 4953.6 | 4736.9 |
| 77.5° | 1853.1 | 1853.1 | 1854.4 | 1840.8 | 1867.9 | 1901.2 | 1881.5 | 1848.2 | 1698.0 | 1664.8 | 1618.0 |
| 80° | 2409.7 | 2147.4 | 1866.7 | 1533.0 | 1249.8 | 1054.0 | 993.7 | 998.6 | 1046.6 | 1140.2 | 1243.6 |
| 82.5° | 3415.7 | 3157.1 | 2752.0 | 2243.5 | 1785.4 | 1401.2 | 1148.8 | 1033.1 | 1031.9 | 1125.4 | 1259.6 |
| 85° | 2491.0 | 2511.9 | 2422.0 | 2142.5 | 1709.1 | 1345.8 | 1087.3 | 834.8 | 753.6 | 753.6 | 743.7 |
| 87.5° | 435.9 | 449.4 | 387.9 | 347.2 | 242.6 | 171.2 | 153.9 | 135.4 | 134.2 | 139.1 | 128.1 |
| 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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CANDELA DISTRIBUTION (continued):

| | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° | 84° | 85° | 86° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 |
| 2.5° | 1741.1 | 1738.6 | 1736.2 | 1734.9 | 1734.9 | 1732.5 | 1732.5 | 1730.0 | 1731.2 | 1730.0 | 1726.3 |
| 5° | 1797.7 | 1796.5 | 1792.8 | 1786.7 | 1785.4 | 1780.5 | 1781.7 | 1776.8 | 1776.8 | 1774.3 | 1768.2 |
| 7.5° | 1869.2 | 1866.7 | 1864.2 | 1859.3 | 1854.4 | 1854.4 | 1845.8 | 1845.8 | 1839.6 | 1837.1 | 1832.2 |
| 10° | 1954.1 | 1946.7 | 1943.0 | 1938.1 | 1936.9 | 1935.6 | 1927.0 | 1927.0 | 1919.6 | 1918.4 | 1914.7 |
| 12.5° | 2037.8 | 2032.9 | 2029.2 | 2026.8 | 2020.6 | 2019.4 | 2015.7 | 2012.0 | 2008.3 | 2005.8 | 2004.6 |
| 15° | 2129.0 | 2126.5 | 2122.8 | 2122.8 | 2122.8 | 2116.7 | 2113.0 | 2110.5 | 2110.5 | 2106.8 | 2109.3 |
| 17.5° | 2247.2 | 2250.9 | 2245.9 | 2243.5 | 2239.8 | 2245.9 | 2239.8 | 2239.8 | 2243.5 | 2243.5 | 2234.9 |
| 20° | 2393.7 | 2398.6 | 2393.7 | 2394.9 | 2392.5 | 2393.7 | 2394.9 | 2397.4 | 2402.3 | 2393.7 | 2394.9 |
| 22.5° | 2556.2 | 2557.5 | 2561.2 | 2557.5 | 2563.6 | 2559.9 | 2567.3 | 2573.5 | 2572.2 | 2569.8 | 2571.0 |
| 25° | 2733.5 | 2729.9 | 2731.1 | 2742.2 | 2750.8 | 2748.3 | 2749.6 | 2759.4 | 2756.9 | 2754.5 | 2755.7 |
| 27.5° | 2913.3 | 2910.9 | 2914.5 | 2924.4 | 2934.3 | 2933.0 | 2930.6 | 2937.9 | 2937.9 | 2931.8 | 2934.3 |
| 30° | 3091.9 | 3095.6 | 3101.7 | 3101.7 | 3106.6 | 3111.6 | 3107.9 | 3116.5 | 3117.7 | 3112.8 | 3119.0 |
| 32.5° | 3280.3 | 3287.6 | 3285.2 | 3302.4 | 3302.4 | 3303.6 | 3307.3 | 3306.1 | 3318.4 | 3308.6 | 3312.3 |
| 35° | 3506.8 | 3509.3 | 3524.1 | 3536.4 | 3543.8 | 3549.9 | 3549.9 | 3553.6 | 3559.8 | 3554.8 | 3562.2 |
| 37.5° | 3644.7 | 3649.7 | 3654.6 | 3662.0 | 3662.0 | 3662.0 | 3668.1 | 3669.4 | 3673.0 | 3671.8 | 3674.3 |
| 40° | 3796.2 | 3797.4 | 3798.6 | 3799.9 | 3804.8 | 3807.3 | 3801.1 | 3809.7 | 3803.6 | 3806.0 | 3809.7 |
| 42.5° | 3979.6 | 3962.4 | 3964.9 | 3961.2 | 3969.8 | 3958.7 | 3961.2 | 3971.0 | 3966.1 | 3973.5 | 3973.5 |
| 45° | 4192.7 | 4173.0 | 4155.7 | 4145.9 | 4145.9 | 4131.1 | 4133.6 | 4137.3 | 4143.4 | 4153.3 | 4170.5 |
| 47.5° | 4507.9 | 4440.2 | 4406.9 | 4372.4 | 4355.2 | 4336.7 | 4342.9 | 4344.1 | 4346.6 | 4362.6 | 4405.7 |
| 50° | 5023.8 | 4910.5 | 4823.1 | 4718.4 | 4679.0 | 4647.0 | 4628.6 | 4629.8 | 4629.8 | 4663.0 | 4706.1 |
| 52.5° | 6021.2 | 5810.6 | 5602.5 | 5420.3 | 5263.9 | 5188.8 | 5101.4 | 5079.2 | 5080.5 | 5108.8 | 5138.3 |
| 55° | 7743.8 | 7454.5 | 7234.0 | 6828.9 | 6705.8 | 6359.8 | 6177.6 | 6072.9 | 5991.6 | 6031.0 | 6074.1 |
| 57.5° | 10834.4 | 10567.2 | 10392.4 | 9908.5 | 9467.7 | 9342.1 | 9042.9 | 8800.3 | 8700.6 | 8584.8 | 8592.2 |
| 60° | 14625.7 | 14487.8 | 14443.5 | 14160.3 | 14001.4 | 13507.7 | 13468.2 | 13161.6 | 12872.3 | 12622.3 | 12724.5 |
| 62.5° | 16258.4 | 16322.5 | 16374.2 | 16473.9 | 16512.1 | 16465.3 | 16267.1 | 16131.6 | 15894.0 | 15566.4 | 15365.7 |
| 65° | 15845.9 | 15992.5 | 16212.9 | 16421.0 | 16669.7 | 16876.6 | 16978.8 | 16939.4 | 16725.1 | 16387.7 | 15966.6 |
| 67.5° | 14545.7 | 14694.7 | 14884.3 | 15147.8 | 15528.3 | 15930.9 | 16211.6 | 16390.2 | 16220.3 | 15916.1 | 15487.6 |
| 70° | 12498.0 | 12643.3 | 12649.4 | 13017.6 | 13427.6 | 13934.9 | 14432.4 | 14619.5 | 14426.2 | 14223.1 | 13864.7 |
| 72.5° | 9360.5 | 9273.1 | 9354.4 | 9422.1 | 9656.1 | 9976.2 | 10458.9 | 10438.0 | 10142.4 | 9984.8 | 9434.4 |
| 75° | 4399.5 | 4340.4 | 4254.2 | 4197.6 | 4143.4 | 4030.1 | 4084.3 | 3852.8 | 3772.8 | 3804.8 | 3329.5 |
| 77.5° | 1582.3 | 1501.0 | 1370.5 | 1243.6 | 1083.6 | 897.6 | 757.3 | 664.9 | 619.4 | 620.6 | 592.3 |
| 80° | 1327.4 | 1366.8 | 1348.3 | 1222.7 | 1042.9 | 848.4 | 635.4 | 481.4 | 411.3 | 381.7 | 363.2 |
| 82.5° | 1439.4 | 1637.7 | 1736.2 | 1658.6 | 1401.2 | 1078.6 | 694.5 | 419.9 | 307.8 | 263.5 | 252.4 |
| 85° | 797.9 | 799.1 | 774.5 | 740.0 | 656.3 | 450.7 | 300.4 | 199.5 | 160.1 | 142.8 | 137.9 |
| 87.5° | 135.4 | 129.3 | 129.3 | 120.7 | 105.9 | 103.4 | 92.3 | 87.4 | 77.6 | 71.4 | 69.0 |
| 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: P162139

CATALOG NUMBER: OVF-E06-LED-E-U-T2-7060

CANDELA DISTRIBUTION (continued):

| | 87° | 88° | 89° | 90° | 91° | 92° | 93° | 94° | 95° | 96° | 97° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 |
| 2.5° | 1722.6 | 1720.2 | 1718.9 | 1717.7 | 1717.7 | 1716.5 | 1716.5 | 1714.0 | 1711.5 | 1710.3 | 1709.1 |
| 5° | 1762.0 | 1759.6 | 1757.1 | 1754.6 | 1754.6 | 1752.2 | 1749.7 | 1747.3 | 1743.6 | 1737.4 | 1736.2 |
| 7.5° | 1828.5 | 1823.6 | 1823.6 | 1815.0 | 1815.0 | 1810.0 | 1806.4 | 1806.4 | 1801.4 | 1791.6 | 1790.3 |
| 10° | 1911.0 | 1902.4 | 1898.7 | 1893.8 | 1891.3 | 1886.4 | 1886.4 | 1881.5 | 1879.0 | 1875.3 | 1863.0 |
| 12.5° | 1999.7 | 1993.5 | 1991.1 | 1984.9 | 1981.2 | 1981.2 | 1978.7 | 1970.1 | 1976.3 | 1967.7 | 1961.5 |
| 15° | 2106.8 | 2105.6 | 2094.5 | 2098.2 | 2096.9 | 2095.7 | 2096.9 | 2089.6 | 2088.3 | 2088.3 | 2080.9 |
| 17.5° | 2241.0 | 2231.2 | 2232.4 | 2232.4 | 2234.9 | 2234.9 | 2225.0 | 2229.9 | 2231.2 | 2228.7 | 2226.2 |
| 20° | 2398.6 | 2394.9 | 2398.6 | 2391.2 | 2398.6 | 2398.6 | 2403.5 | 2402.3 | 2403.5 | 2406.0 | 2406.0 |
| 22.5° | 2567.3 | 2577.2 | 2578.4 | 2580.9 | 2572.2 | 2587.0 | 2587.0 | 2589.5 | 2595.6 | 2595.6 | 2598.1 |
| 25° | 2771.7 | 2766.8 | 2760.6 | 2769.3 | 2771.7 | 2781.6 | 2784.0 | 2784.0 | 2793.9 | 2793.9 | 2797.6 |
| 27.5° | 2941.6 | 2946.6 | 2945.3 | 2950.3 | 2947.8 | 2961.3 | 2966.3 | 2981.0 | 2977.3 | 2984.7 | 2994.6 |
| 30° | 3116.5 | 3126.3 | 3121.4 | 3122.6 | 3128.8 | 3137.4 | 3147.3 | 3162.0 | 3164.5 | 3184.2 | 3189.1 |
| 32.5° | 3318.4 | 3325.8 | 3332.0 | 3334.4 | 3334.4 | 3349.2 | 3365.2 | 3370.1 | 3396.0 | 3410.8 | 3428.0 |
| 35° | 3574.5 | 3575.8 | 3579.5 | 3583.2 | 3580.7 | 3596.7 | 3612.7 | 3617.6 | 3644.7 | 3648.4 | 3684.1 |
| 37.5° | 3682.9 | 3685.4 | 3700.1 | 3707.5 | 3712.4 | 3732.2 | 3761.7 | 3783.9 | 3813.4 | 3841.7 | 3882.4 |
| 40° | 3818.3 | 3833.1 | 3846.7 | 3857.7 | 3876.2 | 3903.3 | 3948.9 | 3971.0 | 4015.4 | 4068.3 | 4107.7 |
| 42.5° | 3989.5 | 4016.6 | 4026.4 | 4047.4 | 4092.9 | 4126.2 | 4171.7 | 4219.8 | 4278.9 | 4342.9 | 4389.7 |
| 45° | 4192.7 | 4218.5 | 4255.5 | 4278.9 | 4331.8 | 4384.8 | 4457.4 | 4499.3 | 4559.6 | 4633.5 | 4685.2 |
| 47.5° | 4438.9 | 4474.6 | 4511.6 | 4559.6 | 4622.4 | 4677.8 | 4750.5 | 4804.6 | 4865.0 | 4925.3 | 4981.9 |
| 50° | 4745.5 | 4798.5 | 4847.7 | 4898.2 | 4981.9 | 5028.7 | 5100.2 | 5156.8 | 5213.4 | 5273.8 | 5325.5 |
| 52.5° | 5158.0 | 5238.1 | 5300.9 | 5335.3 | 5448.6 | 5495.4 | 5582.8 | 5622.2 | 5669.0 | 5723.2 | 5789.7 |
| 55° | 6058.1 | 6182.5 | 6288.4 | 6350.0 | 6522.3 | 6583.9 | 6697.2 | 6755.1 | 6723.0 | 6792.0 | 6911.4 |
| 57.5° | 8661.2 | 8813.8 | 8940.7 | 9024.4 | 9200.5 | 9286.7 | 9292.8 | 9509.5 | 9381.5 | 9508.3 | 9526.8 |
| 60° | 12452.4 | 12573.1 | 12542.3 | 12543.5 | 12488.1 | 12408.1 | 12562.0 | 12328.0 | 12426.5 | 12432.7 | 12212.3 |
| 62.5° | 14995.1 | 14810.4 | 14724.2 | 14581.4 | 14415.1 | 14287.1 | 14199.7 | 14011.3 | 13861.0 | 13741.6 | 13508.9 |
| 65° | 15593.5 | 15273.4 | 14990.2 | 14723.0 | 14477.9 | 14308.0 | 14123.3 | 13921.4 | 13686.2 | 13488.0 | 13261.4 |
| 67.5° | 15014.8 | 14566.6 | 14146.7 | 13794.6 | 13459.6 | 13235.5 | 12968.3 | 12776.2 | 12480.7 | 12219.7 | 12047.3 |
| 70° | 13336.5 | 12715.9 | 12225.8 | 12000.5 | 11668.1 | 11186.6 | 10931.7 | 10691.6 | 10510.6 | 10274.2 | 10169.5 |
| 72.5° | 9355.6 | 8589.7 | 8211.7 | 8226.5 | 7889.1 | 7544.3 | 7553.0 | 7406.4 | 7172.5 | 7165.1 | 7129.4 |
| 75° | 3437.9 | 3127.6 | 2909.6 | 2919.5 | 2793.9 | 2659.7 | 2696.6 | 2736.0 | 2659.7 | 2814.8 | 2574.7 |
| 77.5° | 546.7 | 531.9 | 527.0 | 515.9 | 488.8 | 508.5 | 495.0 | 520.9 | 524.5 | 552.9 | 555.3 |
| 80° | 348.5 | 333.7 | 330.0 | 323.8 | 322.6 | 322.6 | 320.1 | 320.1 | 320.1 | 321.4 | 318.9 |
| 82.5° | 232.7 | 224.1 | 222.9 | 219.2 | 225.3 | 226.6 | 227.8 | 237.6 | 246.3 | 248.7 | 258.6 |
| 85° | 126.8 | 120.7 | 120.7 | 118.2 | 123.1 | 124.4 | 135.4 | 149.0 | 166.2 | 173.6 | 189.6 |
| 87.5° | 64.0 | 67.7 | 66.5 | 69.0 | 72.6 | 81.3 | 89.9 | 98.5 | 108.4 | 121.9 | 133.0 |
| 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: P162139

CATALOG NUMBER: OVF-E06-LED-E-U-T2-7060

CANDELA DISTRIBUTION (continued):

| | 98° | 99° | 100° | 101° | 102° | 103° | 104° | 105° | 115° | 125° | 135° |
|-------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|
| 0° | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 |
| 2.5° | 1706.6 | 1705.4 | 1705.4 | 1702.9 | 1702.9 | 1701.7 | 1699.2 | 1696.8 | 1685.7 | 1672.1 | 1663.5 |
| 5° | 1732.5 | 1730.0 | 1728.8 | 1726.3 | 1722.6 | 1722.6 | 1718.9 | 1714.0 | 1693.1 | 1670.9 | 1657.4 |
| 7.5° | 1785.4 | 1784.2 | 1780.5 | 1775.6 | 1770.6 | 1765.7 | 1763.3 | 1760.8 | 1728.8 | 1707.8 | 1698.0 |
| 10° | 1861.8 | 1860.5 | 1851.9 | 1850.7 | 1843.3 | 1844.5 | 1838.4 | 1833.4 | 1812.5 | 1789.1 | 1775.6 |
| 12.5° | 1959.0 | 1964.0 | 1959.0 | 1948.0 | 1950.4 | 1946.7 | 1940.6 | 1934.4 | 1915.9 | 1897.5 | 1876.5 |
| 15° | 2079.7 | 2073.6 | 2068.6 | 2078.5 | 2069.9 | 2068.6 | 2072.3 | 2073.6 | 2051.4 | 2031.7 | 2002.1 |
| 17.5° | 2229.9 | 2229.9 | 2227.5 | 2229.9 | 2225.0 | 2228.7 | 2226.2 | 2228.7 | 2218.9 | 2191.8 | 2148.7 |
| 20° | 2401.1 | 2410.9 | 2410.9 | 2407.2 | 2406.0 | 2413.4 | 2417.1 | 2403.5 | 2406.0 | 2382.6 | 2305.0 |
| 22.5° | 2600.6 | 2607.9 | 2610.4 | 2606.7 | 2607.9 | 2617.8 | 2624.0 | 2614.1 | 2636.3 | 2598.1 | 2478.7 |
| 25° | 2806.2 | 2817.3 | 2812.3 | 2813.6 | 2823.4 | 2834.5 | 2845.6 | 2835.7 | 2878.8 | 2819.7 | 2663.4 |
| 27.5° | 3009.4 | 3019.2 | 3016.8 | 3024.1 | 3040.1 | 3054.9 | 3067.2 | 3063.5 | 3135.0 | 3057.4 | 2857.9 |
| 30° | 3201.4 | 3224.8 | 3229.8 | 3238.4 | 3258.1 | 3282.7 | 3302.4 | 3301.2 | 3393.5 | 3288.9 | 3016.8 |
| 32.5° | 3437.9 | 3463.7 | 3473.6 | 3492.0 | 3530.2 | 3547.5 | 3572.1 | 3574.5 | 3666.9 | 3492.0 | 3151.0 |
| 35° | 3711.2 | 3737.1 | 3758.0 | 3771.6 | 3814.6 | 3835.6 | 3860.2 | 3871.3 | 3932.9 | 3681.7 | 3244.5 |
| 37.5° | 3923.0 | 3945.2 | 3985.8 | 4014.1 | 4052.3 | 4094.2 | 4122.5 | 4136.0 | 4170.5 | 3844.2 | 3287.6 |
| 40° | 4154.5 | 4202.5 | 4241.9 | 4285.0 | 4326.9 | 4360.1 | 4386.0 | 4406.9 | 4393.4 | 3979.6 | 3269.2 |
| 42.5° | 4447.6 | 4498.0 | 4551.0 | 4587.9 | 4610.1 | 4654.4 | 4666.7 | 4681.5 | 4570.7 | 4041.2 | 3185.4 |
| 45° | 4752.9 | 4793.6 | 4837.9 | 4865.0 | 4894.5 | 4916.7 | 4920.4 | 4921.6 | 4702.4 | 4005.5 | 3034.0 |
| 47.5° | 5047.2 | 5081.7 | 5112.5 | 5127.2 | 5142.0 | 5143.3 | 5137.1 | 5127.2 | 4772.6 | 3884.8 | 2851.8 |
| 50° | 5369.8 | 5390.7 | 5404.3 | 5405.5 | 5419.1 | 5393.2 | 5376.0 | 5330.4 | 4765.2 | 3700.1 | 2659.7 |
| 52.5° | 5834.0 | 5829.1 | 5811.9 | 5810.6 | 5767.5 | 5718.3 | 5686.3 | 5621.0 | 4714.7 | 3500.7 | 2438.0 |
| 55° | 6900.4 | 6853.6 | 6907.7 | 6769.8 | 6655.3 | 6579.0 | 6398.0 | 6266.2 | 4765.2 | 3314.7 | 2183.1 |
| 57.5° | 9462.7 | 9302.7 | 9319.9 | 9097.0 | 8853.2 | 8396.4 | 8126.8 | 7762.3 | 5161.7 | 3211.3 | 1861.8 |
| 60° | 12165.5 | 11902.0 | 11653.3 | 11258.0 | 10739.6 | 10159.7 | 9637.6 | 9067.5 | 5555.7 | 3084.5 | 1519.5 |
| 62.5° | 13281.1 | 12941.2 | 12509.0 | 11951.3 | 11285.1 | 10566.0 | 9844.5 | 9194.3 | 5339.0 | 2702.8 | 1094.6 |
| 65° | 12921.5 | 12515.2 | 12054.7 | 11327.0 | 10570.9 | 9734.9 | 8944.4 | 8257.3 | 4446.3 | 1976.3 | 661.2 |
| 67.5° | 11644.7 | 11295.0 | 10727.3 | 10040.2 | 9104.4 | 8265.9 | 7484.0 | 6848.6 | 3277.8 | 1221.5 | 379.2 |
| 70° | 9805.1 | 9321.1 | 8836.0 | 8176.0 | 7189.7 | 6399.2 | 5671.5 | 5110.0 | 2079.7 | 603.4 | 279.5 |
| 72.5° | 6767.4 | 6384.4 | 5996.6 | 5405.5 | 4669.2 | 4124.9 | 3499.4 | 3037.7 | 1088.5 | 325.1 | 257.3 |
| 75° | 2636.3 | 2594.4 | 2550.1 | 2281.6 | 2031.7 | 1627.8 | 1429.6 | 1289.2 | 453.1 | 282.0 | 253.7 |
| 77.5° | 578.7 | 613.2 | 632.9 | 599.7 | 571.3 | 509.8 | 487.6 | 435.9 | 302.9 | 289.4 | 251.2 |
| 80° | 318.9 | 318.9 | 318.9 | 322.6 | 316.5 | 316.5 | 312.8 | 306.6 | 283.2 | 289.4 | 246.3 |
| 82.5° | 261.0 | 264.7 | 269.7 | 270.9 | 269.7 | 270.9 | 268.4 | 267.2 | 277.0 | 290.6 | 234.0 |
| 85° | 199.5 | 211.8 | 219.2 | 229.0 | 238.9 | 245.0 | 247.5 | 248.7 | 254.9 | 275.8 | 204.4 |
| 87.5° | 141.6 | 151.5 | 167.5 | 169.9 | 181.0 | 194.5 | 199.5 | 206.9 | 203.2 | 209.3 | 96.0 |
| 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: P162139

CATALOG NUMBER: OVF-E06-LED-E-U-T2-7060

CANDELA DISTRIBUTION (continued):

| | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1710.3 | 1710.3 | 1710.3 | 1710.3 | 1710.3 |
| 2.5° | 1656.1 | 1646.3 | 1642.6 | 1641.4 | 1638.9 |
| 5° | 1646.3 | 1640.1 | 1635.2 | 1631.5 | 1634.0 |
| 7.5° | 1690.6 | 1686.9 | 1678.3 | 1675.8 | 1679.5 |
| 10° | 1769.4 | 1760.8 | 1748.5 | 1749.7 | 1748.5 |
| 12.5° | 1867.9 | 1844.5 | 1824.8 | 1816.2 | 1810.0 |
| 15° | 1968.9 | 1923.3 | 1882.7 | 1864.2 | 1856.8 |
| 17.5° | 2080.9 | 2003.4 | 1940.6 | 1907.3 | 1901.2 |
| 20° | 2199.1 | 2092.0 | 2010.8 | 1971.4 | 1965.2 |
| 22.5° | 2335.8 | 2188.1 | 2084.6 | 2030.5 | 2021.8 |
| 25° | 2468.8 | 2274.3 | 2136.4 | 2069.9 | 2058.8 |
| 27.5° | 2589.5 | 2339.5 | 2167.1 | 2088.3 | 2077.2 |
| 30° | 2690.4 | 2391.2 | 2193.0 | 2103.1 | 2090.8 |
| 32.5° | 2756.9 | 2419.6 | 2201.6 | 2104.3 | 2089.6 |
| 35° | 2777.9 | 2401.1 | 2164.7 | 2052.6 | 2040.3 |
| 37.5° | 2733.5 | 2326.0 | 2066.2 | 1939.3 | 1929.5 |
| 40° | 2632.6 | 2186.8 | 1911.0 | 1779.3 | 1767.0 |
| 42.5° | 2475.0 | 2010.8 | 1731.2 | 1592.1 | 1581.0 |
| 45° | 2300.1 | 1822.4 | 1540.4 | 1401.2 | 1390.2 |
| 47.5° | 2109.3 | 1622.9 | 1339.7 | 1211.6 | 1194.4 |
| 50° | 1899.9 | 1406.2 | 1135.3 | 1009.7 | 993.7 |
| 52.5° | 1654.9 | 1169.8 | 918.6 | 805.3 | 795.4 |
| 55° | 1368.0 | 932.1 | 731.4 | 648.9 | 639.1 |
| 57.5° | 1063.9 | 709.2 | 581.2 | 540.6 | 524.5 |
| 60° | 772.0 | 539.3 | 463.0 | 443.3 | 434.7 |
| 62.5° | 524.5 | 402.6 | 373.1 | 366.9 | 360.8 |
| 65° | 355.9 | 315.2 | 306.6 | 307.8 | 304.1 |
| 67.5° | 280.7 | 264.7 | 259.8 | 262.3 | 261.0 |
| 70° | 246.3 | 234.0 | 232.7 | 235.2 | 234.0 |
| 72.5° | 232.7 | 216.7 | 219.2 | 222.9 | 221.6 |
| 75° | 226.6 | 209.3 | 214.3 | 216.7 | 210.6 |
| 77.5° | 220.4 | 198.2 | 213.0 | 217.9 | 205.6 |
| 80° | 211.8 | 188.4 | 222.9 | 220.4 | 197.0 |
| 82.5° | 193.3 | 166.2 | 217.9 | 199.5 | 177.3 |
| 85° | 157.6 | 124.4 | 245.0 | 176.1 | 129.3 |
| 87.5° | 101.0 | 75.1 | 169.9 | 134.2 | 86.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)