

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: P141370

Luminaire Tested: **MEM-E04-LED-E-U-SL4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P141370
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33692)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: MEM-E04-LED-E-U-SL4
Description: EPIC MODERN MEDIUM DECORATIVE LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (84) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11293.9 lumens
Efficiency: N/A
Efficacy: 116.2 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

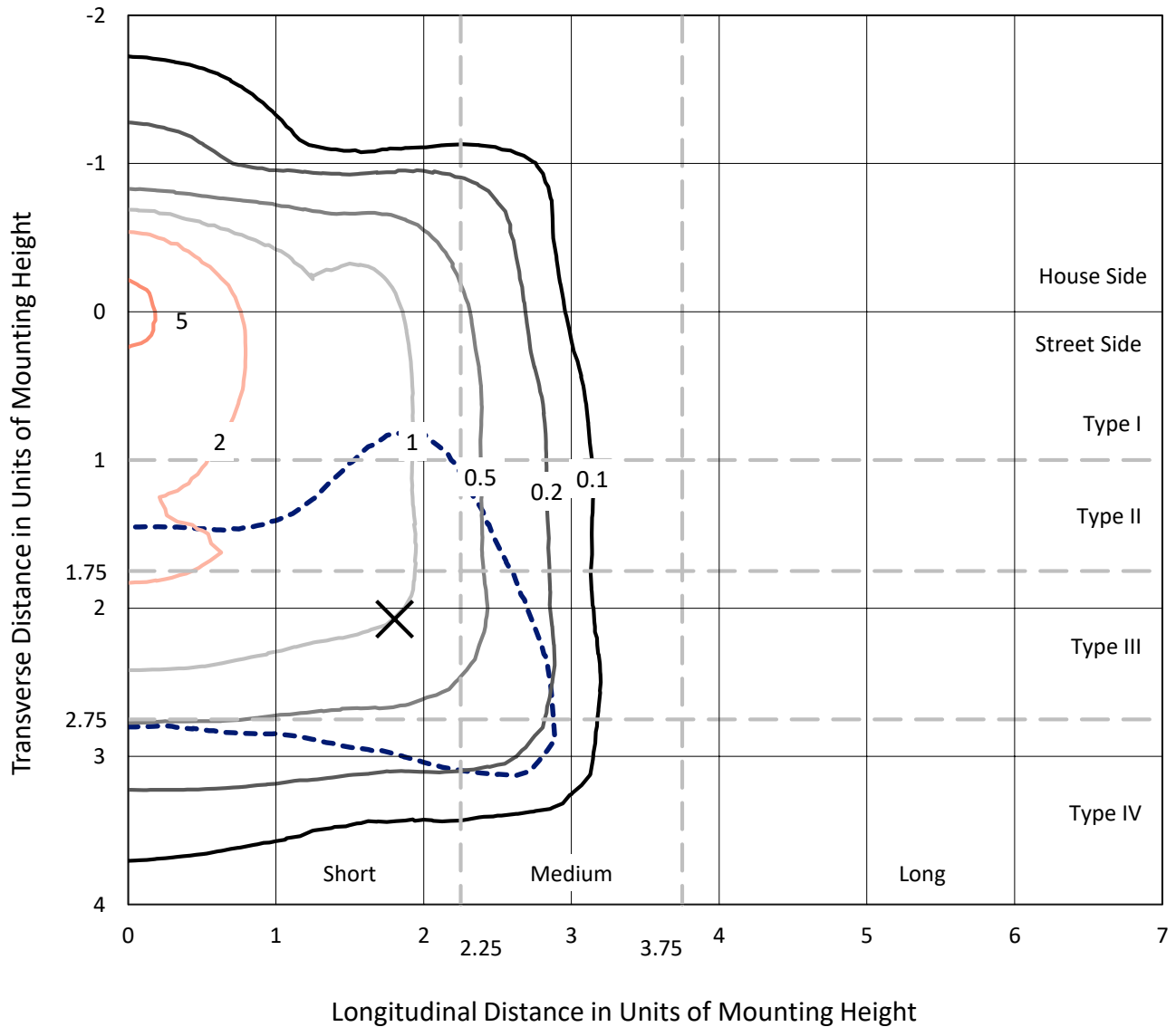
Input Watts (W): 97.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P141370
 CATALOG NUMBER: MEM-E04-LED-E-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

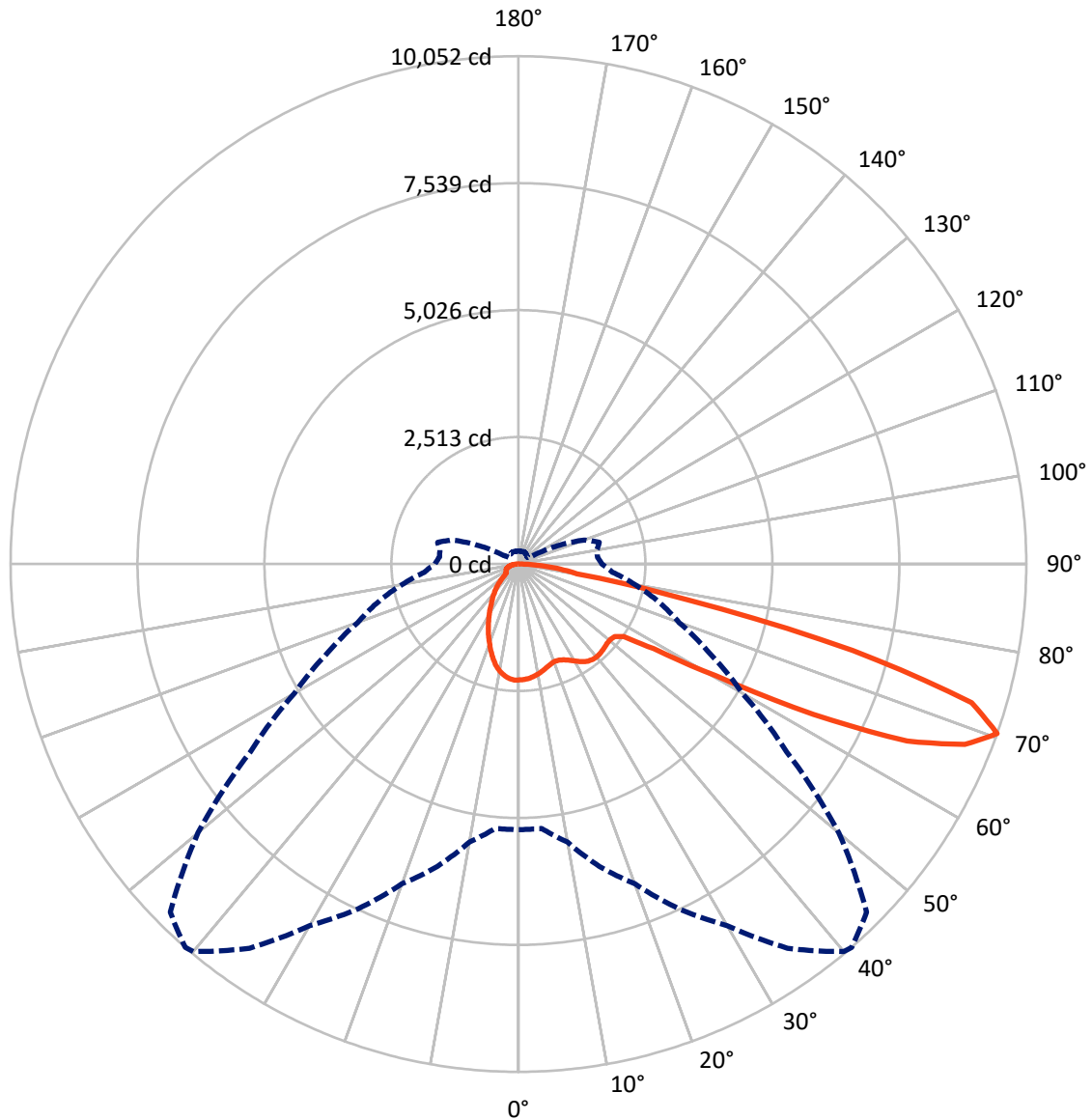


Based on 20 foot mounting height. Maximum calculated value = 5.7 fc
 Type IV - Short - Semi-Cutoff

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CATALOG NUMBER: MEM-E04-LED-E-U-SL4

Luminous Intensity Polar Plot



— Vertical Plane Through 41-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2423.1 | 0.0 | 2423.1 |
| | % Fixture | 21.5 | 0.0 | 21.5 |
| Street Side | Lumens | 8870.8 | 0.0 | 8870.8 |
| | % Fixture | 78.5 | 0.0 | 78.5 |
| Total | Lumens | 11293.9 | 0.0 | 11293.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 213.5 | 1.9 |
| 10°-20° | 572.3 | 5.1 |
| 20°-30° | 827.5 | 7.3 |
| 30°-40° | 1053.2 | 9.3 |
| 40°-50° | 1241.1 | 11.0 |
| 50°-60° | 1899.0 | 16.8 |
| 60°-70° | 3529.5 | 31.3 |
| 70°-80° | 1703.5 | 15.1 |
| 80°-90° | 254.4 | 2.3 |
| 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° | 11293.9 | 100.0 |
| 0°-180° | 11293.9 | 100.0 |

Coefficient of Utilization



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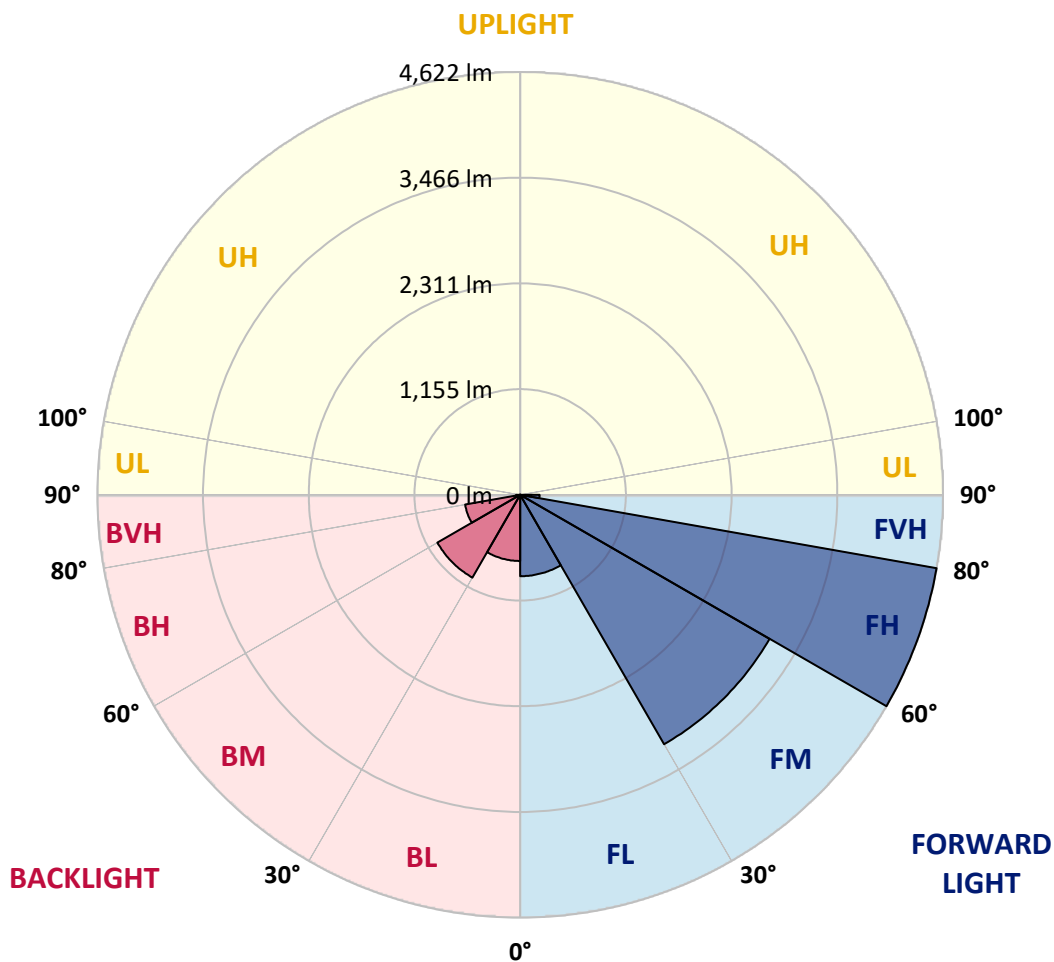
CATALOG NUMBER: MEM-E04-LED-E-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 889.5 | 7.9 | | | |
| FM | (30°-60°) | 3147.8 | 27.9 | | | |
| FH | (60°-80°) | 4621.9 | 40.9 | | | G2/5000 |
| FVH | (80°-90°) | 211.5 | 1.9 | | | G2/225 |
| BL | (0°-30°) | 723.8 | 6.4 | B2/1000 | | |
| BM | (30°-60°) | 1045.4 | 9.3 | B2/2500 | | |
| BH | (60°-80°) | 611.0 | 5.4 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 42.9 | 0.4 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G2

Type IV Short





REPORT NUMBER: P141370

CATALOG NUMBER: MEM-E04-LED-E-U-SL4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 41° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| 0° | 2294.7 | 2294.7 | 2294.7 | 2294.7 | 2294.7 | 2294.7 | 2294.7 | 2294.7 | 2294.7 | 2294.7 | 2294.7 |
| 2.5° | 2294.7 | 2297.3 | 2296.0 | 2293.3 | 2290.7 | 2292.0 | 2290.7 | 2289.3 | 2289.3 | 2288.0 | 2286.7 |
| 5° | 2284.0 | 2289.3 | 2285.3 | 2282.7 | 2278.7 | 2278.7 | 2277.3 | 2274.7 | 2272.0 | 2270.7 | 2268.0 |
| 7.5° | 2261.3 | 2266.7 | 2264.0 | 2261.3 | 2257.3 | 2254.7 | 2249.3 | 2246.7 | 2244.0 | 2242.7 | 2238.7 |
| 10° | 2230.7 | 2233.3 | 2230.7 | 2225.3 | 2222.7 | 2221.3 | 2218.7 | 2213.3 | 2208.0 | 2205.3 | 2201.3 |
| 12.5° | 2190.7 | 2192.0 | 2189.3 | 2186.7 | 2182.7 | 2182.7 | 2178.7 | 2174.7 | 2166.7 | 2164.0 | 2154.7 |
| 15° | 2156.0 | 2152.0 | 2149.3 | 2148.0 | 2146.7 | 2140.0 | 2141.3 | 2134.7 | 2121.3 | 2117.3 | 2106.7 |
| 17.5° | 2146.7 | 2142.7 | 2141.3 | 2137.3 | 2134.7 | 2126.7 | 2118.7 | 2105.3 | 2082.7 | 2078.7 | 2062.7 |
| 20° | 2173.3 | 2173.3 | 2169.3 | 2166.7 | 2162.7 | 2148.0 | 2130.7 | 2105.3 | 2064.0 | 2054.7 | 2034.7 |
| 22.5° | 2237.3 | 2230.7 | 2228.0 | 2228.0 | 2226.7 | 2205.3 | 2173.3 | 2133.3 | 2078.7 | 2066.7 | 2032.0 |
| 25° | 2337.3 | 2325.3 | 2329.3 | 2328.0 | 2325.3 | 2294.7 | 2248.0 | 2190.7 | 2116.0 | 2100.0 | 2054.7 |
| 27.5° | 2456.0 | 2458.7 | 2457.3 | 2452.0 | 2444.0 | 2410.7 | 2344.0 | 2266.7 | 2173.3 | 2157.3 | 2098.7 |
| 30° | 2580.0 | 2582.7 | 2590.7 | 2586.7 | 2581.3 | 2530.7 | 2448.0 | 2364.0 | 2250.7 | 2229.3 | 2157.3 |
| 32.5° | 2724.0 | 2733.3 | 2740.0 | 2741.3 | 2720.0 | 2650.7 | 2553.3 | 2446.7 | 2326.7 | 2305.3 | 2216.0 |
| 35° | 2890.7 | 2885.3 | 2897.3 | 2892.0 | 2854.7 | 2760.0 | 2640.0 | 2513.3 | 2390.7 | 2362.7 | 2266.7 |
| 37.5° | 3058.7 | 3065.3 | 3053.3 | 3030.7 | 2972.0 | 2848.0 | 2700.0 | 2557.3 | 2421.3 | 2394.7 | 2294.7 |
| 40° | 3221.3 | 3217.3 | 3189.3 | 3150.7 | 3062.7 | 2904.0 | 2733.3 | 2577.3 | 2432.0 | 2404.0 | 2301.3 |
| 42.5° | 3342.7 | 3332.0 | 3289.3 | 3226.7 | 3113.3 | 2930.7 | 2742.7 | 2577.3 | 2425.3 | 2396.0 | 2292.0 |
| 45° | 3396.0 | 3385.3 | 3344.0 | 3264.0 | 3129.3 | 2925.3 | 2726.7 | 2554.7 | 2402.7 | 2377.3 | 2273.3 |
| 47.5° | 3396.0 | 3392.0 | 3346.7 | 3269.3 | 3125.3 | 2910.7 | 2702.7 | 2526.7 | 2380.0 | 2354.7 | 2257.3 |
| 50° | 3369.3 | 3366.7 | 3326.7 | 3250.7 | 3112.0 | 2902.7 | 2696.0 | 2521.3 | 2378.7 | 2353.3 | 2264.0 |
| 52.5° | 3458.7 | 3441.3 | 3400.0 | 3312.0 | 3161.3 | 2936.0 | 2729.3 | 2548.0 | 2410.7 | 2385.3 | 2293.3 |
| 55° | 4545.3 | 4530.7 | 4321.3 | 3953.3 | 3568.0 | 3216.0 | 2914.7 | 2706.7 | 2568.0 | 2529.3 | 2462.7 |
| 57.5° | 6302.7 | 6281.3 | 6066.7 | 5732.0 | 5069.3 | 4316.0 | 3725.3 | 3378.7 | 3184.0 | 3156.0 | 3116.0 |
| 60° | 7016.0 | 7008.0 | 6917.3 | 6781.3 | 6530.7 | 6141.3 | 5592.0 | 5016.0 | 4568.0 | 4496.0 | 4501.3 |
| 62.5° | 7425.3 | 7405.3 | 7361.3 | 7328.0 | 7242.7 | 7084.0 | 6981.3 | 6820.0 | 6602.7 | 6553.3 | 6241.3 |
| 65° | 7654.7 | 7652.0 | 7676.0 | 7704.0 | 7698.7 | 7746.7 | 7798.7 | 8106.7 | 8468.0 | 8452.0 | 8122.7 |
| 67.5° | 7313.3 | 7336.0 | 7461.3 | 7653.3 | 7854.7 | 8068.0 | 8465.3 | 9082.7 | 9529.3 | 9529.3 | 9240.0 |
| 70° | 5257.3 | 5253.3 | 5586.7 | 6194.7 | 6736.0 | 7533.3 | 8265.3 | 9282.7 | 10013.3 | 10052.0 | 9745.3 |
| 72.5° | 3150.7 | 3224.0 | 3429.3 | 3705.3 | 4165.3 | 5130.7 | 6492.0 | 8320.0 | 9340.0 | 9381.3 | 9014.7 |
| 75° | 2213.3 | 2158.7 | 2150.7 | 2166.7 | 2245.3 | 2482.7 | 3232.0 | 5106.7 | 6770.7 | 6834.7 | 6480.0 |
| 77.5° | 1416.0 | 1404.0 | 1409.3 | 1426.7 | 1430.7 | 1453.3 | 1489.3 | 1750.7 | 3138.7 | 3445.3 | 3429.3 |
| 80° | 1221.3 | 1217.3 | 1218.7 | 1198.7 | 1160.0 | 1145.3 | 1190.7 | 1154.7 | 1121.3 | 1168.0 | 1104.0 |
| 82.5° | 818.7 | 833.3 | 857.3 | 889.3 | 966.7 | 993.3 | 978.7 | 972.0 | 866.7 | 842.7 | 748.0 |
| 85° | 606.7 | 598.7 | 608.0 | 608.0 | 588.0 | 568.0 | 582.7 | 568.0 | 502.7 | 470.7 | 416.0 |
| 87.5° | 328.0 | 329.3 | 356.0 | 366.7 | 365.3 | 312.0 | 257.3 | 222.7 | 201.3 | 186.7 | 157.3 |
| 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: P141370

CATALOG NUMBER: MEM-E04-LED-E-U-SL4

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2294.7 | 2294.7 | 2294.7 | 2294.7 | 2294.7 | 2294.7 | 2294.7 | 2294.7 | 2294.7 | 2294.7 | 2294.7 |
| 2.5° | 2288.0 | 2284.0 | 2285.3 | 2285.3 | 2284.0 | 2286.7 | 2282.7 | 2281.3 | 2282.7 | 2282.7 | 2282.7 |
| 5° | 2265.3 | 2260.0 | 2260.0 | 2258.7 | 2256.0 | 2256.0 | 2250.7 | 2249.3 | 2246.7 | 2250.7 | 2248.0 |
| 7.5° | 2233.3 | 2225.3 | 2218.7 | 2213.3 | 2210.7 | 2206.7 | 2200.0 | 2197.3 | 2194.7 | 2193.3 | 2190.7 |
| 10° | 2194.7 | 2185.3 | 2172.0 | 2161.3 | 2156.0 | 2145.3 | 2137.3 | 2126.7 | 2126.7 | 2121.3 | 2116.0 |
| 12.5° | 2148.0 | 2134.7 | 2121.3 | 2106.7 | 2097.3 | 2082.7 | 2069.3 | 2057.3 | 2048.0 | 2036.0 | 2028.0 |
| 15° | 2101.3 | 2081.3 | 2066.7 | 2052.0 | 2034.7 | 2014.7 | 1998.7 | 1980.0 | 1962.7 | 1944.0 | 1938.7 |
| 17.5° | 2050.7 | 2034.7 | 2021.3 | 2004.0 | 1985.3 | 1961.3 | 1940.0 | 1909.3 | 1888.0 | 1865.3 | 1848.0 |
| 20° | 2017.3 | 1998.7 | 1984.0 | 1968.0 | 1948.0 | 1920.0 | 1892.0 | 1857.3 | 1825.3 | 1792.0 | 1766.7 |
| 22.5° | 2000.0 | 1969.3 | 1956.0 | 1941.3 | 1921.3 | 1890.7 | 1858.7 | 1816.0 | 1776.0 | 1732.0 | 1692.0 |
| 25° | 2006.7 | 1965.3 | 1938.7 | 1922.7 | 1905.3 | 1874.7 | 1833.3 | 1785.3 | 1740.0 | 1684.0 | 1638.7 |
| 27.5° | 2036.0 | 1980.0 | 1938.7 | 1912.0 | 1893.3 | 1861.3 | 1818.7 | 1764.0 | 1709.3 | 1650.7 | 1596.0 |
| 30° | 2074.7 | 2004.0 | 1950.7 | 1912.0 | 1884.0 | 1849.3 | 1802.7 | 1744.0 | 1684.0 | 1618.7 | 1556.0 |
| 32.5° | 2118.7 | 2032.0 | 1968.0 | 1914.7 | 1869.3 | 1825.3 | 1777.3 | 1716.0 | 1653.3 | 1584.0 | 1522.7 |
| 35° | 2153.3 | 2053.3 | 1980.0 | 1909.3 | 1849.3 | 1794.7 | 1738.7 | 1681.3 | 1618.7 | 1553.3 | 1488.0 |
| 37.5° | 2173.3 | 2066.7 | 1980.0 | 1890.7 | 1817.3 | 1760.0 | 1701.3 | 1645.3 | 1585.3 | 1521.3 | 1464.0 |
| 40° | 2181.3 | 2072.0 | 1972.0 | 1869.3 | 1784.0 | 1718.7 | 1664.0 | 1606.7 | 1553.3 | 1497.3 | 1446.7 |
| 42.5° | 2177.3 | 2068.0 | 1961.3 | 1849.3 | 1757.3 | 1686.7 | 1626.7 | 1573.3 | 1529.3 | 1482.7 | 1440.0 |
| 45° | 2161.3 | 2054.7 | 1950.7 | 1840.0 | 1748.0 | 1676.0 | 1614.7 | 1564.0 | 1522.7 | 1480.0 | 1446.7 |
| 47.5° | 2148.0 | 2049.3 | 1957.3 | 1862.7 | 1774.7 | 1701.3 | 1634.7 | 1578.7 | 1544.0 | 1510.7 | 1489.3 |
| 50° | 2158.7 | 2064.0 | 1972.0 | 1882.7 | 1797.3 | 1722.7 | 1654.7 | 1602.7 | 1582.7 | 1577.3 | 1570.7 |
| 52.5° | 2188.0 | 2094.7 | 2017.3 | 1954.7 | 1916.0 | 1888.0 | 1818.7 | 1806.7 | 1789.3 | 1780.0 | 1757.3 |
| 55° | 2378.7 | 2340.0 | 2409.3 | 2485.3 | 2498.7 | 2582.7 | 2616.0 | 2618.7 | 2589.3 | 2485.3 | 2242.7 |
| 57.5° | 3154.7 | 3250.7 | 3280.0 | 3456.0 | 3504.0 | 3466.7 | 3416.0 | 3413.3 | 3322.7 | 3185.3 | 2832.0 |
| 60° | 4541.3 | 4490.7 | 4428.0 | 4313.3 | 4205.3 | 4089.3 | 3929.3 | 3806.7 | 3690.7 | 3480.0 | 3108.0 |
| 62.5° | 5992.0 | 5550.7 | 5229.3 | 4900.0 | 4633.3 | 4400.0 | 4168.0 | 3970.7 | 3782.7 | 3490.7 | 3092.0 |
| 65° | 7250.7 | 6352.0 | 5700.0 | 5205.3 | 4792.0 | 4450.7 | 4142.7 | 3873.3 | 3636.0 | 3270.7 | 2866.7 |
| 67.5° | 8069.3 | 6777.3 | 5802.7 | 5064.0 | 4480.0 | 4045.3 | 3592.0 | 3166.7 | 2933.3 | 2638.7 | 2433.3 |
| 70° | 8278.7 | 6477.3 | 5117.3 | 4170.7 | 3384.0 | 2865.3 | 2330.7 | 1866.7 | 1652.0 | 1569.3 | 1576.0 |
| 72.5° | 7468.0 | 5120.0 | 3628.0 | 2653.3 | 2077.3 | 1646.7 | 1338.7 | 1029.3 | 804.0 | 674.7 | 658.7 |
| 75° | 4878.7 | 2849.3 | 1722.7 | 1200.0 | 954.7 | 760.0 | 598.7 | 504.0 | 434.7 | 350.7 | 293.3 |
| 77.5° | 1844.0 | 1085.3 | 773.3 | 630.7 | 466.7 | 325.3 | 253.3 | 213.3 | 196.0 | 190.7 | 172.0 |
| 80° | 945.3 | 753.3 | 538.7 | 354.7 | 248.0 | 198.7 | 166.7 | 141.3 | 130.7 | 125.3 | 128.0 |
| 82.5° | 637.3 | 474.7 | 297.3 | 213.3 | 172.0 | 148.0 | 117.3 | 98.7 | 88.0 | 86.7 | 93.3 |
| 85° | 354.7 | 237.3 | 173.3 | 144.0 | 126.7 | 110.7 | 89.3 | 73.3 | 68.0 | 72.0 | 84.0 |
| 87.5° | 110.7 | 109.3 | 78.7 | 64.0 | 66.7 | 57.3 | 42.7 | 32.0 | 32.0 | 41.3 | 58.7 |
| 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: MEM-E04-LED-E-U-SL4

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2294.7 | 2294.7 | 2294.7 | 2294.7 | 2294.7 | 2294.7 | 2294.7 | 2294.7 | 2294.7 | 2294.7 | 2294.7 |
| 2.5° | 2282.7 | 2285.3 | 2290.7 | 2286.7 | 2288.0 | 2289.3 | 2293.3 | 2298.7 | 2294.7 | 2292.0 | 2300.0 |
| 5° | 2250.7 | 2250.7 | 2257.3 | 2254.7 | 2260.0 | 2265.3 | 2268.0 | 2277.3 | 2274.7 | 2272.0 | 2282.7 |
| 7.5° | 2192.0 | 2193.3 | 2202.7 | 2200.0 | 2210.7 | 2212.0 | 2222.7 | 2230.7 | 2230.7 | 2236.0 | 2245.3 |
| 10° | 2117.3 | 2117.3 | 2125.3 | 2126.7 | 2133.3 | 2138.7 | 2150.7 | 2165.3 | 2168.0 | 2177.3 | 2190.7 |
| 12.5° | 2033.3 | 2030.7 | 2037.3 | 2037.3 | 2042.7 | 2049.3 | 2062.7 | 2080.0 | 2082.7 | 2097.3 | 2114.7 |
| 15° | 1929.3 | 1925.3 | 1922.7 | 1925.3 | 1928.0 | 1929.3 | 1949.3 | 1966.7 | 1977.3 | 1993.3 | 2010.7 |
| 17.5° | 1829.3 | 1814.7 | 1808.0 | 1808.0 | 1809.3 | 1809.3 | 1817.3 | 1837.3 | 1852.0 | 1877.3 | 1902.7 |
| 20° | 1740.0 | 1714.7 | 1705.3 | 1684.0 | 1680.0 | 1670.7 | 1677.3 | 1700.0 | 1726.7 | 1746.7 | 1766.7 |
| 22.5° | 1656.0 | 1629.3 | 1602.7 | 1577.3 | 1557.3 | 1545.3 | 1557.3 | 1572.0 | 1581.3 | 1597.3 | 1602.7 |
| 25° | 1592.0 | 1548.0 | 1510.7 | 1470.7 | 1449.3 | 1438.7 | 1437.3 | 1436.0 | 1428.0 | 1425.3 | 1425.3 |
| 27.5° | 1541.3 | 1489.3 | 1433.3 | 1389.3 | 1360.0 | 1340.0 | 1317.3 | 1301.3 | 1281.3 | 1254.7 | 1241.3 |
| 30° | 1498.7 | 1442.7 | 1381.3 | 1329.3 | 1292.0 | 1253.3 | 1206.7 | 1170.7 | 1134.7 | 1102.7 | 1074.7 |
| 32.5° | 1460.0 | 1402.7 | 1342.7 | 1288.0 | 1224.0 | 1157.3 | 1098.7 | 1056.0 | 993.3 | 950.7 | 914.7 |
| 35° | 1430.7 | 1373.3 | 1317.3 | 1245.3 | 1157.3 | 1072.0 | 996.0 | 933.3 | 869.3 | 813.3 | 765.3 |
| 37.5° | 1409.3 | 1361.3 | 1301.3 | 1204.0 | 1093.3 | 990.7 | 910.7 | 836.0 | 760.0 | 684.0 | 624.0 |
| 40° | 1402.7 | 1361.3 | 1285.3 | 1158.7 | 1032.0 | 921.3 | 829.3 | 737.3 | 653.3 | 572.0 | 510.7 |
| 42.5° | 1406.7 | 1362.7 | 1260.0 | 1118.7 | 981.3 | 861.3 | 757.3 | 650.7 | 550.7 | 464.0 | 402.7 |
| 45° | 1421.3 | 1362.7 | 1233.3 | 1074.7 | 934.7 | 806.7 | 682.7 | 556.0 | 440.0 | 370.7 | 344.0 |
| 47.5° | 1465.3 | 1372.0 | 1212.0 | 1042.7 | 893.3 | 746.7 | 598.7 | 454.7 | 356.0 | 326.7 | 326.7 |
| 50° | 1533.3 | 1400.0 | 1209.3 | 1018.7 | 846.7 | 677.3 | 494.7 | 358.7 | 314.7 | 313.3 | 321.3 |
| 52.5° | 1649.3 | 1449.3 | 1222.7 | 1002.7 | 797.3 | 584.0 | 385.3 | 309.3 | 300.0 | 308.0 | 320.0 |
| 55° | 1874.7 | 1536.0 | 1241.3 | 973.3 | 714.7 | 457.3 | 316.0 | 293.3 | 297.3 | 306.7 | 317.3 |
| 57.5° | 2286.7 | 1710.7 | 1261.3 | 910.7 | 578.7 | 346.7 | 286.7 | 288.0 | 294.7 | 304.0 | 313.3 |
| 60° | 2570.7 | 1926.7 | 1301.3 | 805.3 | 430.7 | 286.7 | 274.7 | 285.3 | 293.3 | 300.0 | 308.0 |
| 62.5° | 2594.7 | 2005.3 | 1330.7 | 686.7 | 320.0 | 261.3 | 264.0 | 280.0 | 290.7 | 293.3 | 297.3 |
| 65° | 2450.7 | 1904.0 | 1246.7 | 566.7 | 265.3 | 248.0 | 257.3 | 272.0 | 282.7 | 284.0 | 288.0 |
| 67.5° | 2136.0 | 1692.0 | 1064.0 | 430.7 | 242.7 | 238.7 | 249.3 | 258.7 | 266.7 | 273.3 | 278.7 |
| 70° | 1654.7 | 1381.3 | 856.0 | 334.7 | 225.3 | 224.0 | 233.3 | 244.0 | 252.0 | 258.7 | 266.7 |
| 72.5° | 872.0 | 981.3 | 637.3 | 268.0 | 206.7 | 208.0 | 217.3 | 226.7 | 232.0 | 238.7 | 246.7 |
| 75° | 270.7 | 416.0 | 393.3 | 214.7 | 184.0 | 189.3 | 194.7 | 202.7 | 212.0 | 216.0 | 220.0 |
| 77.5° | 160.0 | 169.3 | 205.3 | 168.0 | 160.0 | 164.0 | 170.7 | 177.3 | 184.0 | 189.3 | 193.3 |
| 80° | 129.3 | 132.0 | 133.3 | 133.3 | 133.3 | 138.7 | 144.0 | 153.3 | 158.7 | 161.3 | 162.7 |
| 82.5° | 101.3 | 108.0 | 109.3 | 106.7 | 110.7 | 116.0 | 118.7 | 124.0 | 125.3 | 128.0 | 130.7 |
| 85° | 84.0 | 82.7 | 85.3 | 86.7 | 81.3 | 81.3 | 78.7 | 78.7 | 84.0 | 93.3 | 94.7 |
| 87.5° | 65.3 | 57.3 | 46.7 | 44.0 | 41.3 | 38.7 | 36.0 | 36.0 | 37.3 | 42.7 | 46.7 |
| 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: P141370

CATALOG NUMBER: MEM-E04-LED-E-U-SL4

CANDELA DISTRIBUTION (continued):

| | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|
| 0° | 2294.7 | 2294.7 | 2294.7 | 2294.7 | 2294.7 |
| 2.5° | 2300.0 | 2298.7 | 2301.3 | 2305.3 | 2302.7 |
| 5° | 2284.0 | 2284.0 | 2289.3 | 2293.3 | 2290.7 |
| 7.5° | 2252.0 | 2253.3 | 2261.3 | 2266.7 | 2264.0 |
| 10° | 2201.3 | 2204.0 | 2213.3 | 2221.3 | 2225.3 |
| 12.5° | 2125.3 | 2134.7 | 2146.7 | 2154.7 | 2154.7 |
| 15° | 2029.3 | 2044.0 | 2057.3 | 2069.3 | 2062.7 |
| 17.5° | 1920.0 | 1937.3 | 1954.7 | 1961.3 | 1954.7 |
| 20° | 1788.0 | 1789.3 | 1800.0 | 1806.7 | 1804.0 |
| 22.5° | 1608.0 | 1602.7 | 1608.0 | 1610.7 | 1614.7 |
| 25° | 1424.0 | 1414.7 | 1409.3 | 1417.3 | 1421.3 |
| 27.5° | 1236.0 | 1222.7 | 1226.7 | 1217.3 | 1206.7 |
| 30° | 1053.3 | 1041.3 | 1026.7 | 1022.7 | 1029.3 |
| 32.5° | 892.0 | 861.3 | 849.3 | 826.7 | 836.0 |
| 35° | 721.3 | 690.7 | 661.3 | 653.3 | 648.0 |
| 37.5° | 581.3 | 544.0 | 508.0 | 496.0 | 493.3 |
| 40° | 454.7 | 424.0 | 400.0 | 393.3 | 390.7 |
| 42.5° | 369.3 | 356.0 | 352.0 | 352.0 | 353.3 |
| 45° | 337.3 | 338.7 | 342.7 | 345.3 | 346.7 |
| 47.5° | 330.7 | 336.0 | 341.3 | 346.7 | 348.0 |
| 50° | 330.7 | 334.7 | 338.7 | 344.0 | 345.3 |
| 52.5° | 328.0 | 332.0 | 333.3 | 336.0 | 338.7 |
| 55° | 325.3 | 326.7 | 326.7 | 328.0 | 330.7 |
| 57.5° | 318.7 | 320.0 | 317.3 | 318.7 | 324.0 |
| 60° | 312.0 | 313.3 | 310.7 | 313.3 | 314.7 |
| 62.5° | 302.7 | 302.7 | 301.3 | 302.7 | 304.0 |
| 65° | 292.0 | 288.0 | 290.7 | 289.3 | 290.7 |
| 67.5° | 278.7 | 273.3 | 272.0 | 272.0 | 273.3 |
| 70° | 260.0 | 256.0 | 254.7 | 257.3 | 260.0 |
| 72.5° | 237.3 | 240.0 | 244.0 | 248.0 | 254.7 |
| 75° | 221.3 | 225.3 | 230.7 | 244.0 | 253.3 |
| 77.5° | 198.7 | 197.3 | 202.7 | 217.3 | 230.7 |
| 80° | 165.3 | 166.7 | 165.3 | 169.3 | 172.0 |
| 82.5° | 126.7 | 125.3 | 121.3 | 121.3 | 118.7 |
| 85° | 89.3 | 85.3 | 80.0 | 78.7 | 77.3 |
| 87.5° | 45.3 | 48.0 | 44.0 | 40.0 | 40.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)