

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: P141410

Luminaire Tested: **ECM-E04-LED-E1-SLL**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P141410
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33693)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ECM-E04-LED-E1-SLL
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (84) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10462.1 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G3

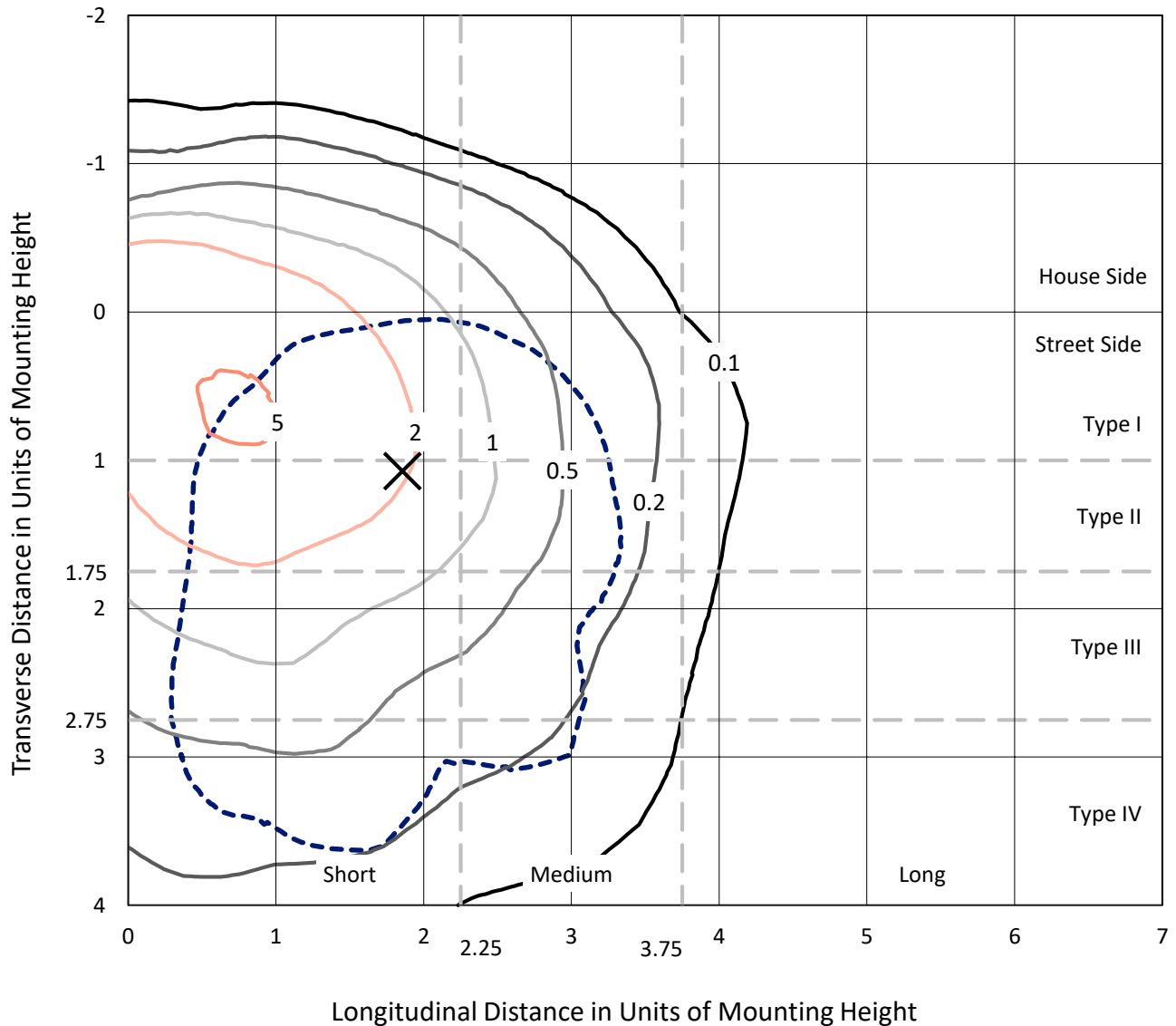
Input Watts (W): 97.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P141410
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Iso-Footcandle Lines of Horizontal Illumination

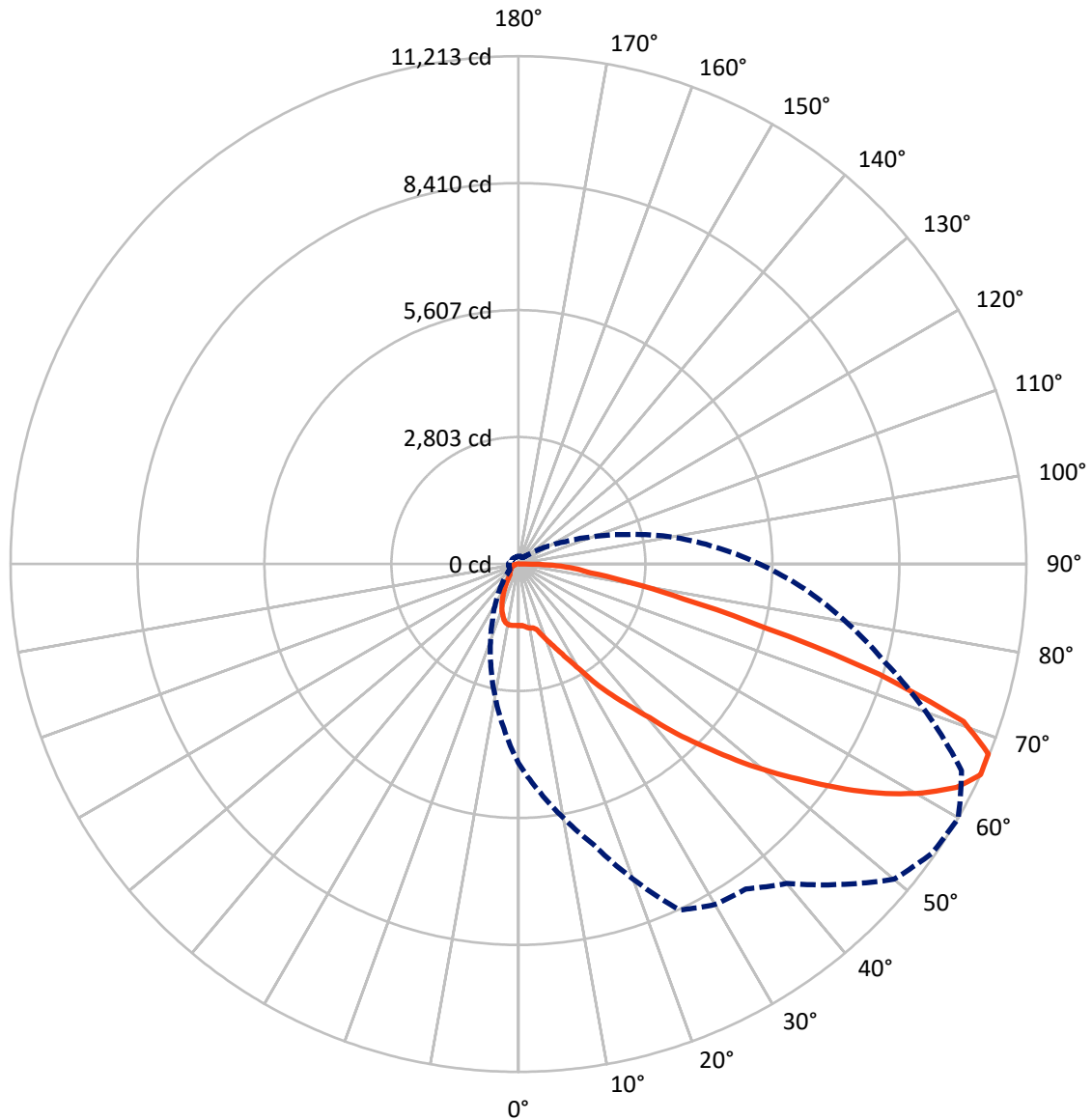
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.5 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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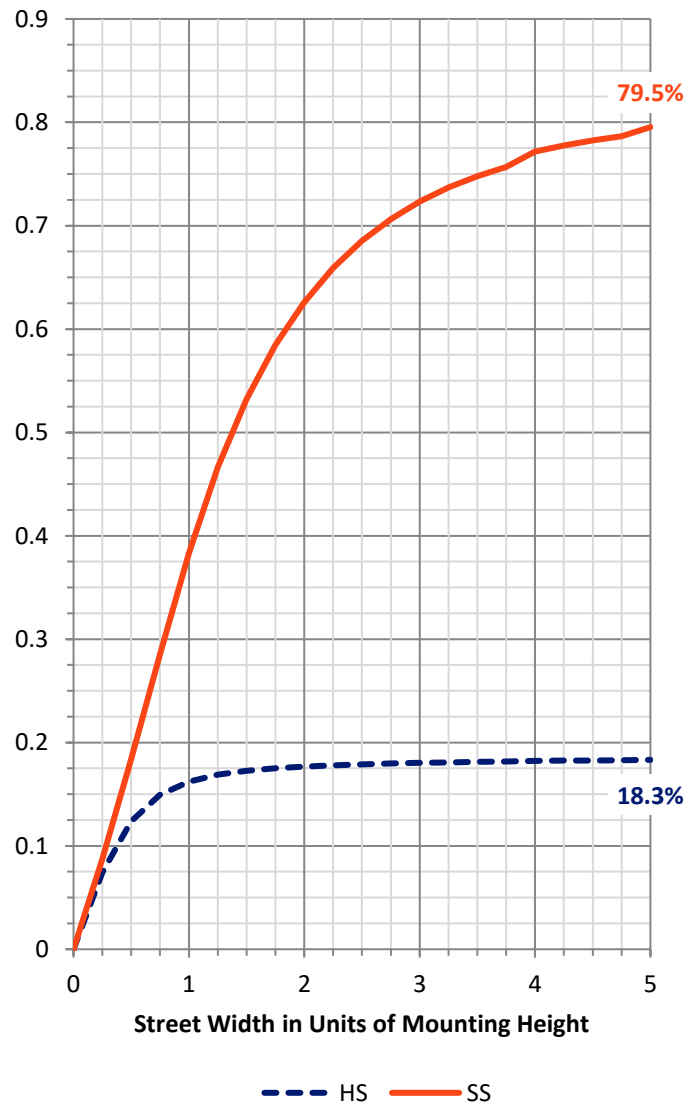
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 1940.5 | 0.0 | 1940.5 |
| | % Fixture | 18.5 | 0.0 | 18.5 |
| Street Side | Lumens | 8521.6 | 0.0 | 8521.6 |
| | % Fixture | 81.5 | 0.0 | 81.5 |
| Total | Lumens | 10462.1 | 0.0 | 10462.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 131.6 | 1.3 |
| 10°-20° | 395.2 | 3.8 |
| 20°-30° | 656.5 | 6.3 |
| 30°-40° | 959.8 | 9.2 |
| 40°-50° | 1460.0 | 14.0 |
| 50°-60° | 2098.6 | 20.1 |
| 60°-70° | 2580.2 | 24.7 |
| 70°-80° | 1726.1 | 16.5 |
| 80°-90° | 454.1 | 4.3 |
| 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° | 10462.1 | 100.0 |
| 0°-180° | 10462.1 | 100.0 |



REPORT NUMBER: P141410

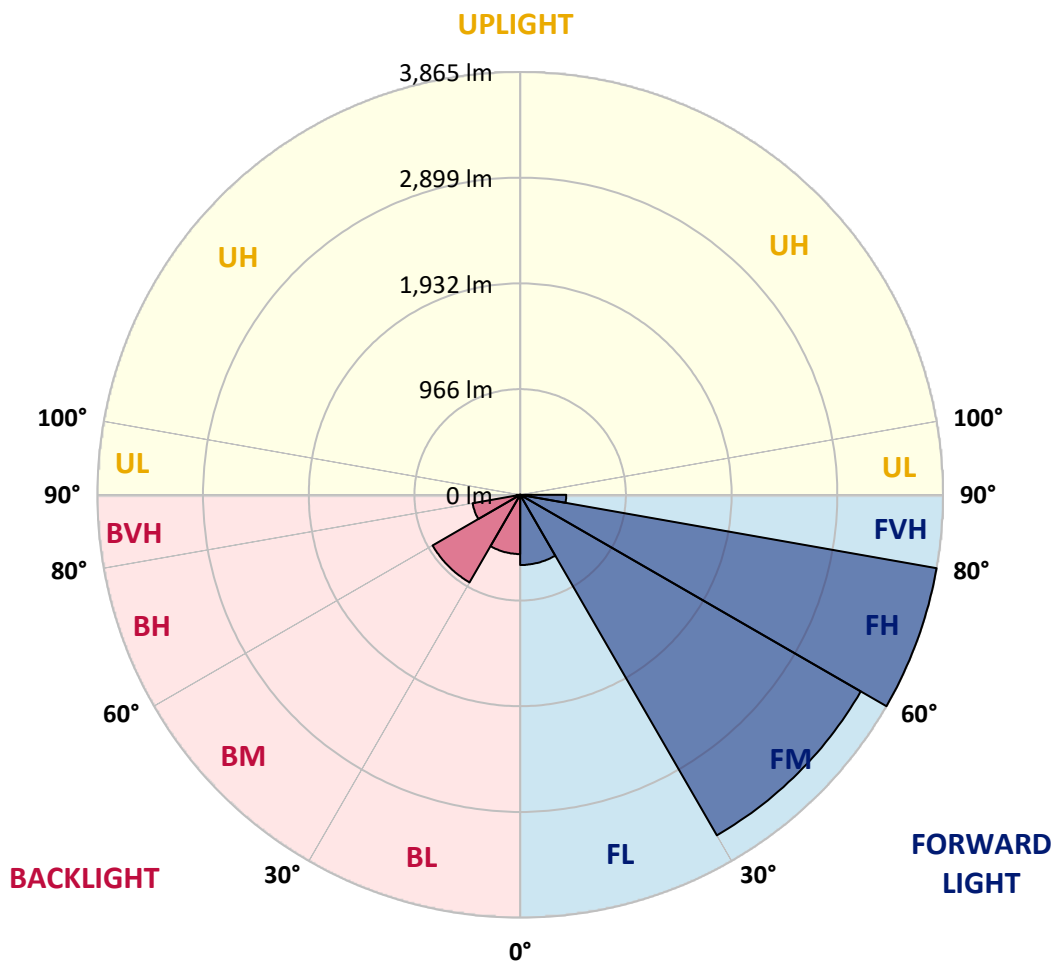
CATALOG NUMBER: ECM-E04-LED-E1-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 641.8 | 6.1 | | | |
| FM | (30°-60°) | 3594.1 | 34.4 | | | |
| FH | (60°-80°) | 3864.7 | 36.9 | | | G2/5000 |
| FVH | (80°-90°) | 421.1 | 4.0 | | | G3/500 |
| BL | (0°-30°) | 541.6 | 5.2 | B2/1000 | | |
| BM | (30°-60°) | 924.3 | 8.8 | B1/1000 | | |
| BH | (60°-80°) | 441.6 | 4.2 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 33.0 | 0.3 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G3

Type IV Short





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CATALOG NUMBER: ECM-E04-LED-E1-SLL

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0° | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 |
| 2.5° | 1361.3 | 1362.7 | 1362.7 | 1361.3 | 1360.0 | 1361.3 | 1358.7 | 1361.3 | 1360.0 | 1358.7 | 1360.0 |
| 5° | 1344.0 | 1345.3 | 1348.0 | 1348.0 | 1350.7 | 1356.0 | 1357.3 | 1364.0 | 1368.0 | 1369.3 | 1374.7 |
| 7.5° | 1302.7 | 1309.3 | 1313.3 | 1318.7 | 1326.7 | 1340.0 | 1349.3 | 1365.3 | 1377.3 | 1388.0 | 1402.7 |
| 10° | 1277.3 | 1285.3 | 1293.3 | 1305.3 | 1317.3 | 1334.7 | 1350.7 | 1370.7 | 1386.7 | 1402.7 | 1420.0 |
| 12.5° | 1284.0 | 1293.3 | 1304.0 | 1313.3 | 1332.0 | 1348.0 | 1368.0 | 1392.0 | 1400.0 | 1416.0 | 1430.7 |
| 15° | 1338.7 | 1346.7 | 1354.7 | 1365.3 | 1382.7 | 1401.3 | 1428.0 | 1454.7 | 1460.0 | 1477.3 | 1493.3 |
| 17.5° | 1412.0 | 1413.3 | 1426.7 | 1445.3 | 1461.3 | 1492.0 | 1524.0 | 1560.0 | 1582.7 | 1593.3 | 1602.7 |
| 20° | 1488.0 | 1492.0 | 1513.3 | 1530.7 | 1566.7 | 1606.7 | 1653.3 | 1706.7 | 1725.3 | 1772.0 | 1789.3 |
| 22.5° | 1601.3 | 1600.0 | 1625.3 | 1649.3 | 1689.3 | 1732.0 | 1800.0 | 1873.3 | 1916.0 | 1952.0 | 1965.3 |
| 25° | 1773.3 | 1777.3 | 1773.3 | 1808.0 | 1849.3 | 1918.7 | 1986.7 | 2060.0 | 2085.3 | 2148.0 | 2177.3 |
| 27.5° | 1944.0 | 1974.7 | 2016.0 | 2026.7 | 2077.3 | 2157.3 | 2210.7 | 2289.3 | 2350.7 | 2368.0 | 2416.0 |
| 30° | 2102.7 | 2166.7 | 2234.7 | 2292.0 | 2382.7 | 2480.0 | 2560.0 | 2649.3 | 2653.3 | 2685.3 | 2698.7 |
| 32.5° | 2264.0 | 2364.0 | 2464.0 | 2537.3 | 2625.3 | 2754.7 | 2902.7 | 3048.0 | 3142.7 | 3240.0 | 3190.7 |
| 35° | 2466.7 | 2622.7 | 2762.7 | 2876.0 | 2950.7 | 3070.7 | 3241.3 | 3477.3 | 3629.3 | 3745.3 | 3812.0 |
| 37.5° | 2652.0 | 2888.0 | 3102.7 | 3264.0 | 3446.7 | 3532.0 | 3644.0 | 3814.7 | 3989.3 | 4097.3 | 4153.3 |
| 40° | 2788.0 | 3110.7 | 3414.7 | 3648.0 | 3880.0 | 4084.0 | 4225.3 | 4364.0 | 4600.0 | 4734.7 | 4745.3 |
| 42.5° | 2894.7 | 3305.3 | 3672.0 | 4006.7 | 4348.0 | 4633.3 | 4804.0 | 4980.0 | 5280.0 | 5436.0 | 5424.0 |
| 45° | 2968.0 | 3450.7 | 3905.3 | 4317.3 | 4730.7 | 5102.7 | 5432.0 | 5693.3 | 6000.0 | 6297.3 | 6237.3 |
| 47.5° | 3032.0 | 3570.7 | 4090.7 | 4556.0 | 5052.0 | 5516.0 | 5926.7 | 6294.7 | 6700.0 | 7101.3 | 7125.3 |
| 50° | 3096.0 | 3668.0 | 4258.7 | 4794.7 | 5353.3 | 5936.0 | 6432.0 | 6905.3 | 7412.0 | 7922.7 | 8040.0 |
| 52.5° | 3184.0 | 3777.3 | 4414.7 | 5012.0 | 5661.3 | 6276.0 | 6829.3 | 7418.7 | 8045.3 | 8538.7 | 8872.0 |
| 55° | 3316.0 | 3929.3 | 4608.0 | 5229.3 | 5937.3 | 6614.7 | 7226.7 | 7906.7 | 8482.7 | 9092.0 | 9566.7 |
| 57.5° | 3532.0 | 4132.0 | 4832.0 | 5466.7 | 6204.0 | 6921.3 | 7557.3 | 8270.7 | 8820.0 | 9496.0 | 10092.0 |
| 60° | 3805.3 | 4408.0 | 5085.3 | 5748.0 | 6517.3 | 7352.0 | 7993.3 | 8521.3 | 9072.0 | 9756.0 | 10473.3 |
| 62.5° | 4116.0 | 4720.0 | 5394.7 | 6078.7 | 6953.3 | 7857.3 | 8408.0 | 8709.3 | 9189.3 | 9934.7 | 10720.0 |
| 65° | 4389.3 | 5012.0 | 5685.3 | 6410.7 | 7400.0 | 8428.0 | 8681.3 | 8757.3 | 9206.7 | 10006.7 | 10826.7 |
| 67.5° | 4613.3 | 5329.3 | 5957.3 | 6680.0 | 7870.7 | 8790.7 | 8686.7 | 8534.7 | 8970.7 | 9832.0 | 10622.7 |
| 70° | 4730.7 | 5470.7 | 6086.7 | 6704.0 | 7970.7 | 8841.3 | 8477.3 | 8064.0 | 8262.7 | 9105.3 | 9766.7 |
| 72.5° | 4601.3 | 5360.0 | 5846.7 | 6230.7 | 7372.0 | 8217.3 | 7753.3 | 6973.3 | 7154.7 | 7970.7 | 8141.3 |
| 75° | 4094.7 | 5010.7 | 5294.7 | 5281.3 | 5896.0 | 6333.3 | 5997.3 | 5500.0 | 5962.7 | 6302.7 | 6128.0 |
| 77.5° | 3057.3 | 4104.0 | 4262.7 | 3970.7 | 4101.3 | 4469.3 | 4152.0 | 4538.7 | 5100.0 | 5253.3 | 4922.7 |
| 80° | 1922.7 | 3008.0 | 3025.3 | 2661.3 | 2592.0 | 2736.0 | 3145.3 | 3968.0 | 4504.0 | 4472.0 | 4034.7 |
| 82.5° | 1070.7 | 1950.7 | 2136.0 | 1802.7 | 1717.3 | 2070.7 | 2801.3 | 3238.7 | 3168.0 | 3141.3 | 2572.0 |
| 85° | 732.0 | 1332.0 | 1628.0 | 1561.3 | 1726.7 | 2065.3 | 2297.3 | 2053.3 | 1977.3 | 1684.0 | 1366.7 |
| 87.5° | 297.3 | 600.0 | 1009.3 | 1160.0 | 1230.7 | 1510.7 | 1322.7 | 1077.3 | 829.3 | 786.7 | 676.0 |
| 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: ECM-E04-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 |
| 2.5° | 1356.0 | 1358.7 | 1358.7 | 1360.0 | 1361.3 | 1362.7 | 1362.7 | 1362.7 | 1364.0 | 1365.3 | 1364.0 |
| 5° | 1376.0 | 1380.0 | 1382.7 | 1382.7 | 1385.3 | 1388.0 | 1390.7 | 1389.3 | 1393.3 | 1396.0 | 1397.3 |
| 7.5° | 1408.0 | 1416.0 | 1422.7 | 1428.0 | 1430.7 | 1430.7 | 1430.7 | 1426.7 | 1430.7 | 1432.0 | 1433.3 |
| 10° | 1430.7 | 1440.0 | 1441.3 | 1446.7 | 1445.3 | 1444.0 | 1441.3 | 1438.7 | 1440.0 | 1442.7 | 1446.7 |
| 12.5° | 1437.3 | 1446.7 | 1449.3 | 1453.3 | 1452.0 | 1450.7 | 1445.3 | 1445.3 | 1444.0 | 1448.0 | 1452.0 |
| 15° | 1492.0 | 1500.0 | 1513.3 | 1501.3 | 1502.7 | 1492.0 | 1482.7 | 1477.3 | 1474.7 | 1477.3 | 1480.0 |
| 17.5° | 1617.3 | 1630.7 | 1625.3 | 1606.7 | 1605.3 | 1582.7 | 1578.7 | 1552.0 | 1552.0 | 1552.0 | 1544.0 |
| 20° | 1789.3 | 1788.0 | 1778.7 | 1760.0 | 1720.0 | 1712.0 | 1682.7 | 1661.3 | 1641.3 | 1637.3 | 1628.0 |
| 22.5° | 1977.3 | 1957.3 | 1952.0 | 1913.3 | 1888.0 | 1840.0 | 1796.0 | 1780.0 | 1761.3 | 1757.3 | 1756.0 |
| 25° | 2160.0 | 2168.0 | 2129.3 | 2110.7 | 2046.7 | 2004.0 | 1978.7 | 1938.7 | 1938.7 | 1933.3 | 1926.7 |
| 27.5° | 2389.3 | 2416.0 | 2373.3 | 2346.7 | 2286.7 | 2226.7 | 2182.7 | 2158.7 | 2133.3 | 2116.0 | 2068.0 |
| 30° | 2713.3 | 2730.7 | 2701.3 | 2646.7 | 2572.0 | 2465.3 | 2405.3 | 2378.7 | 2332.0 | 2273.3 | 2194.7 |
| 32.5° | 3169.3 | 3145.3 | 3045.3 | 2949.3 | 2852.0 | 2750.7 | 2678.7 | 2630.7 | 2558.7 | 2441.3 | 2292.0 |
| 35° | 3760.0 | 3553.3 | 3428.0 | 3296.0 | 3184.0 | 3070.7 | 3016.0 | 2929.3 | 2765.3 | 2574.7 | 2374.7 |
| 37.5° | 4050.7 | 3958.7 | 3814.7 | 3716.0 | 3582.7 | 3469.3 | 3345.3 | 3197.3 | 2985.3 | 2712.0 | 2434.7 |
| 40° | 4633.3 | 4460.0 | 4348.0 | 4236.0 | 4072.0 | 3917.3 | 3749.3 | 3510.7 | 3169.3 | 2829.3 | 2481.3 |
| 42.5° | 5245.3 | 5117.3 | 4914.7 | 4765.3 | 4642.7 | 4386.7 | 4120.0 | 3786.7 | 3357.3 | 2936.0 | 2524.0 |
| 45° | 6042.7 | 5749.3 | 5498.7 | 5372.0 | 5130.7 | 4818.7 | 4508.0 | 4032.0 | 3530.7 | 3048.0 | 2572.0 |
| 47.5° | 6844.0 | 6466.7 | 6208.0 | 5972.0 | 5714.7 | 5296.0 | 4812.0 | 4245.3 | 3664.0 | 3141.3 | 2612.0 |
| 50° | 7704.0 | 7206.7 | 6908.0 | 6625.3 | 6201.3 | 5694.7 | 5078.7 | 4421.3 | 3802.7 | 3229.3 | 2648.0 |
| 52.5° | 8578.7 | 7950.7 | 7524.0 | 7194.7 | 6669.3 | 6042.7 | 5320.0 | 4604.0 | 3950.7 | 3314.7 | 2677.3 |
| 55° | 9365.3 | 8776.0 | 8225.3 | 7717.3 | 7085.3 | 6357.3 | 5541.3 | 4768.0 | 4084.0 | 3404.0 | 2696.0 |
| 57.5° | 10078.7 | 9565.3 | 8908.0 | 8226.7 | 7468.0 | 6649.3 | 5745.3 | 4945.3 | 4209.3 | 3469.3 | 2694.7 |
| 60° | 10568.0 | 10268.0 | 9585.3 | 8754.7 | 7868.0 | 6917.3 | 5990.7 | 5142.7 | 4320.0 | 3516.0 | 2684.0 |
| 62.5° | 10920.0 | 10860.0 | 10264.0 | 9262.7 | 8194.7 | 7158.7 | 6228.0 | 5306.7 | 4400.0 | 3521.3 | 2638.7 |
| 65° | 11140.0 | 11213.3 | 10794.7 | 9585.3 | 8377.3 | 7342.7 | 6345.3 | 5321.3 | 4342.7 | 3433.3 | 2518.7 |
| 67.5° | 11001.3 | 11190.7 | 10792.0 | 9445.3 | 8202.7 | 7170.7 | 6173.3 | 5076.0 | 4037.3 | 3160.0 | 2249.3 |
| 70° | 10141.3 | 10425.3 | 10032.0 | 8517.3 | 7348.0 | 6506.7 | 5540.0 | 4360.0 | 3473.3 | 2602.7 | 1777.3 |
| 72.5° | 7954.7 | 8329.3 | 7985.3 | 6946.7 | 6082.7 | 5378.7 | 4661.3 | 3424.0 | 2648.0 | 1912.0 | 1194.7 |
| 75° | 5488.0 | 5632.0 | 5426.7 | 4709.3 | 4444.0 | 4169.3 | 3498.7 | 2301.3 | 1749.3 | 1180.0 | 702.7 |
| 77.5° | 4257.3 | 3736.0 | 3342.7 | 3049.3 | 3044.0 | 2993.3 | 2289.3 | 1377.3 | 1046.7 | 649.3 | 390.7 |
| 80° | 3201.3 | 2513.3 | 2074.7 | 1814.7 | 1886.7 | 2109.3 | 1334.7 | 706.7 | 541.3 | 358.7 | 240.0 |
| 82.5° | 2106.7 | 1604.0 | 1280.0 | 1133.3 | 1145.3 | 1322.7 | 670.7 | 389.3 | 266.7 | 204.0 | 156.0 |
| 85° | 1284.0 | 1246.7 | 1112.0 | 1009.3 | 930.7 | 909.3 | 521.3 | 298.7 | 148.0 | 105.3 | 80.0 |
| 87.5° | 626.7 | 742.7 | 906.7 | 918.7 | 789.3 | 669.3 | 270.7 | 85.3 | 62.7 | 33.3 | 24.0 |
| 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: ECM-E04-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 |
| 2.5° | 1365.3 | 1372.0 | 1369.3 | 1368.0 | 1368.0 | 1374.7 | 1374.7 | 1372.0 | 1372.0 | 1373.3 | 1373.3 |
| 5° | 1397.3 | 1404.0 | 1401.3 | 1402.7 | 1405.3 | 1406.7 | 1410.7 | 1406.7 | 1404.0 | 1406.7 | 1405.3 |
| 7.5° | 1434.7 | 1441.3 | 1440.0 | 1442.7 | 1445.3 | 1448.0 | 1450.7 | 1449.3 | 1446.7 | 1446.7 | 1445.3 |
| 10° | 1450.7 | 1464.0 | 1469.3 | 1474.7 | 1481.3 | 1484.0 | 1488.0 | 1488.0 | 1482.7 | 1482.7 | 1476.0 |
| 12.5° | 1461.3 | 1472.0 | 1485.3 | 1493.3 | 1505.3 | 1514.7 | 1518.7 | 1520.0 | 1516.0 | 1510.7 | 1504.0 |
| 15° | 1484.0 | 1492.0 | 1505.3 | 1513.3 | 1528.0 | 1540.0 | 1548.0 | 1546.7 | 1541.3 | 1526.7 | 1506.7 |
| 17.5° | 1540.0 | 1538.7 | 1544.0 | 1549.3 | 1553.3 | 1560.0 | 1557.3 | 1545.3 | 1520.0 | 1493.3 | 1465.3 |
| 20° | 1624.0 | 1622.7 | 1614.7 | 1602.7 | 1588.0 | 1569.3 | 1540.0 | 1504.0 | 1461.3 | 1413.3 | 1370.7 |
| 22.5° | 1742.7 | 1730.7 | 1720.0 | 1688.0 | 1637.3 | 1574.7 | 1498.7 | 1428.0 | 1377.3 | 1330.7 | 1284.0 |
| 25° | 1900.0 | 1870.7 | 1818.7 | 1744.0 | 1664.0 | 1570.7 | 1460.0 | 1365.3 | 1301.3 | 1246.7 | 1200.0 |
| 27.5° | 1998.7 | 1930.7 | 1844.0 | 1741.3 | 1634.7 | 1514.7 | 1392.0 | 1298.7 | 1226.7 | 1166.7 | 1113.3 |
| 30° | 2082.7 | 1960.0 | 1838.7 | 1708.0 | 1573.3 | 1449.3 | 1320.0 | 1220.0 | 1136.0 | 1069.3 | 1005.3 |
| 32.5° | 2129.3 | 1965.3 | 1813.3 | 1657.3 | 1510.7 | 1369.3 | 1229.3 | 1121.3 | 1041.3 | 958.7 | 870.7 |
| 35° | 2158.7 | 1949.3 | 1765.3 | 1589.3 | 1428.0 | 1281.3 | 1134.7 | 1016.0 | 910.7 | 809.3 | 721.3 |
| 37.5° | 2166.7 | 1922.7 | 1702.7 | 1513.3 | 1329.3 | 1169.3 | 1030.7 | 892.0 | 786.7 | 677.3 | 576.0 |
| 40° | 2162.7 | 1872.0 | 1624.0 | 1394.7 | 1201.3 | 1046.7 | 912.0 | 785.3 | 669.3 | 572.0 | 474.7 |
| 42.5° | 2146.7 | 1814.7 | 1530.7 | 1297.3 | 1102.7 | 954.7 | 830.7 | 702.7 | 598.7 | 494.7 | 412.0 |
| 45° | 2141.3 | 1758.7 | 1460.0 | 1222.7 | 1036.0 | 890.7 | 769.3 | 645.3 | 536.0 | 437.3 | 354.7 |
| 47.5° | 2129.3 | 1708.0 | 1394.7 | 1165.3 | 981.3 | 841.3 | 716.0 | 594.7 | 481.3 | 392.0 | 312.0 |
| 50° | 2102.7 | 1653.3 | 1346.7 | 1121.3 | 936.0 | 792.0 | 664.0 | 533.3 | 422.7 | 334.7 | 273.3 |
| 52.5° | 2074.7 | 1618.7 | 1316.0 | 1077.3 | 888.0 | 733.3 | 606.7 | 474.7 | 370.7 | 288.0 | 241.3 |
| 55° | 2046.7 | 1592.0 | 1274.7 | 1025.3 | 825.3 | 673.3 | 545.3 | 424.0 | 326.7 | 256.0 | 222.7 |
| 57.5° | 2016.0 | 1556.0 | 1224.0 | 958.7 | 754.7 | 606.7 | 478.7 | 364.0 | 284.0 | 230.7 | 208.0 |
| 60° | 1990.7 | 1505.3 | 1136.0 | 865.3 | 660.0 | 513.3 | 397.3 | 304.0 | 241.3 | 208.0 | 198.7 |
| 62.5° | 1924.0 | 1408.0 | 1009.3 | 728.0 | 536.0 | 401.3 | 302.7 | 237.3 | 202.7 | 186.7 | 188.0 |
| 65° | 1762.7 | 1190.7 | 801.3 | 568.0 | 376.0 | 269.3 | 216.0 | 181.3 | 165.3 | 165.3 | 169.3 |
| 67.5° | 1485.3 | 906.7 | 568.0 | 361.3 | 246.7 | 194.7 | 165.3 | 150.7 | 148.0 | 150.7 | 157.3 |
| 70° | 1052.0 | 588.0 | 356.0 | 236.0 | 185.3 | 157.3 | 142.7 | 137.3 | 134.7 | 137.3 | 140.0 |
| 72.5° | 648.0 | 346.7 | 226.7 | 184.0 | 158.7 | 141.3 | 132.0 | 128.0 | 126.7 | 126.7 | 125.3 |
| 75° | 353.3 | 232.0 | 181.3 | 160.0 | 144.0 | 130.7 | 121.3 | 114.7 | 113.3 | 114.7 | 112.0 |
| 77.5° | 225.3 | 181.3 | 161.3 | 148.0 | 133.3 | 116.0 | 108.0 | 102.7 | 102.7 | 101.3 | 98.7 |
| 80° | 176.0 | 161.3 | 148.0 | 134.7 | 112.0 | 98.7 | 90.7 | 89.3 | 88.0 | 86.7 | 86.7 |
| 82.5° | 132.0 | 128.0 | 121.3 | 109.3 | 89.3 | 78.7 | 74.7 | 74.7 | 73.3 | 69.3 | 69.3 |
| 85° | 76.0 | 74.7 | 80.0 | 70.7 | 60.0 | 52.0 | 52.0 | 53.3 | 54.7 | 53.3 | 49.3 |
| 87.5° | 25.3 | 21.3 | 22.7 | 22.7 | 18.7 | 14.7 | 20.0 | 24.0 | 22.7 | 20.0 | 24.0 |
| 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: P141410

CATALOG NUMBER: ECM-E04-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 |
| 2.5° | 1369.3 | 1372.0 | 1377.3 | 1372.0 | 1369.3 | 1369.3 | 1366.7 | 1368.0 | 1364.0 | 1360.0 | 1361.3 |
| 5° | 1402.7 | 1400.0 | 1402.7 | 1398.7 | 1390.7 | 1389.3 | 1384.0 | 1384.0 | 1378.7 | 1373.3 | 1370.7 |
| 7.5° | 1440.0 | 1436.0 | 1437.3 | 1429.3 | 1420.0 | 1413.3 | 1406.7 | 1404.0 | 1397.3 | 1389.3 | 1384.0 |
| 10° | 1469.3 | 1465.3 | 1462.7 | 1453.3 | 1441.3 | 1434.7 | 1425.3 | 1420.0 | 1413.3 | 1402.7 | 1397.3 |
| 12.5° | 1488.0 | 1478.7 | 1473.3 | 1457.3 | 1446.7 | 1440.0 | 1429.3 | 1426.7 | 1418.7 | 1409.3 | 1405.3 |
| 15° | 1484.0 | 1462.7 | 1446.7 | 1428.0 | 1413.3 | 1404.0 | 1394.7 | 1392.0 | 1388.0 | 1384.0 | 1376.0 |
| 17.5° | 1418.7 | 1392.0 | 1374.7 | 1336.0 | 1314.7 | 1305.3 | 1304.0 | 1302.7 | 1300.0 | 1300.0 | 1290.7 |
| 20° | 1328.0 | 1297.3 | 1270.7 | 1233.3 | 1205.3 | 1196.0 | 1170.7 | 1164.0 | 1156.0 | 1164.0 | 1156.0 |
| 22.5° | 1246.7 | 1208.0 | 1177.3 | 1146.7 | 1113.3 | 1086.7 | 1053.3 | 1037.3 | 1014.7 | 1009.3 | 1012.0 |
| 25° | 1160.0 | 1112.0 | 1073.3 | 1037.3 | 1001.3 | 964.0 | 933.3 | 910.7 | 896.0 | 876.0 | 857.3 |
| 27.5° | 1054.7 | 1014.7 | 962.7 | 933.3 | 890.7 | 849.3 | 817.3 | 793.3 | 766.7 | 750.7 | 724.0 |
| 30° | 948.0 | 886.7 | 834.7 | 793.3 | 746.7 | 726.7 | 696.0 | 670.7 | 646.7 | 629.3 | 606.7 |
| 32.5° | 809.3 | 745.3 | 690.7 | 642.7 | 610.7 | 582.7 | 564.0 | 542.7 | 530.7 | 516.0 | 501.3 |
| 35° | 662.7 | 582.7 | 517.3 | 496.0 | 460.0 | 461.3 | 452.0 | 441.3 | 432.0 | 418.7 | 417.3 |
| 37.5° | 500.0 | 437.3 | 394.7 | 368.0 | 362.7 | 354.7 | 356.0 | 354.7 | 352.0 | 348.0 | 348.0 |
| 40° | 396.0 | 340.0 | 312.0 | 306.7 | 306.7 | 305.3 | 304.0 | 304.0 | 304.0 | 301.3 | 300.0 |
| 42.5° | 338.7 | 298.7 | 289.3 | 286.7 | 284.0 | 282.7 | 280.0 | 276.0 | 276.0 | 273.3 | 269.3 |
| 45° | 298.7 | 276.0 | 273.3 | 270.7 | 270.7 | 266.7 | 262.7 | 260.0 | 258.7 | 257.3 | 254.7 |
| 47.5° | 273.3 | 261.3 | 258.7 | 256.0 | 254.7 | 252.0 | 248.0 | 244.0 | 242.7 | 241.3 | 241.3 |
| 50° | 245.3 | 237.3 | 237.3 | 237.3 | 233.3 | 230.7 | 226.7 | 224.0 | 224.0 | 222.7 | 221.3 |
| 52.5° | 225.3 | 221.3 | 220.0 | 218.7 | 216.0 | 212.0 | 209.3 | 208.0 | 206.7 | 208.0 | 206.7 |
| 55° | 216.0 | 213.3 | 212.0 | 209.3 | 206.7 | 202.7 | 200.0 | 196.0 | 194.7 | 197.3 | 197.3 |
| 57.5° | 205.3 | 204.0 | 202.7 | 200.0 | 197.3 | 192.0 | 188.0 | 185.3 | 185.3 | 189.3 | 188.0 |
| 60° | 201.3 | 200.0 | 198.7 | 197.3 | 193.3 | 186.7 | 180.0 | 177.3 | 177.3 | 181.3 | 181.3 |
| 62.5° | 192.0 | 190.7 | 189.3 | 188.0 | 182.7 | 177.3 | 170.7 | 168.0 | 169.3 | 172.0 | 176.0 |
| 65° | 174.7 | 176.0 | 174.7 | 174.7 | 170.7 | 166.7 | 162.7 | 160.0 | 158.7 | 160.0 | 164.0 |
| 67.5° | 158.7 | 160.0 | 160.0 | 160.0 | 158.7 | 154.7 | 152.0 | 148.0 | 145.3 | 146.7 | 148.0 |
| 70° | 144.0 | 145.3 | 146.7 | 146.7 | 144.0 | 140.0 | 136.0 | 132.0 | 130.7 | 132.0 | 132.0 |
| 72.5° | 128.0 | 128.0 | 128.0 | 129.3 | 128.0 | 126.7 | 121.3 | 116.0 | 116.0 | 114.7 | 116.0 |
| 75° | 112.0 | 112.0 | 112.0 | 112.0 | 109.3 | 109.3 | 106.7 | 101.3 | 100.0 | 101.3 | 102.7 |
| 77.5° | 98.7 | 96.0 | 94.7 | 94.7 | 94.7 | 92.0 | 90.7 | 90.7 | 89.3 | 89.3 | 89.3 |
| 80° | 81.3 | 78.7 | 76.0 | 74.7 | 76.0 | 76.0 | 78.7 | 78.7 | 77.3 | 77.3 | 77.3 |
| 82.5° | 64.0 | 58.7 | 57.3 | 57.3 | 54.7 | 57.3 | 62.7 | 69.3 | 66.7 | 68.0 | 68.0 |
| 85° | 46.7 | 41.3 | 38.7 | 38.7 | 36.0 | 41.3 | 48.0 | 53.3 | 50.7 | 53.3 | 52.0 |
| 87.5° | 21.3 | 20.0 | 16.0 | 13.3 | 16.0 | 24.0 | 28.0 | 29.3 | 25.3 | 30.7 | 30.7 |
| 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: P141410

CATALOG NUMBER: ECM-E04-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 |
| 2.5° | 1366.7 | 1361.3 | 1360.0 | 1361.3 | 1358.7 | 1362.7 | 1362.7 | 1361.3 | 1361.3 | 1360.0 | 1362.7 |
| 5° | 1374.7 | 1368.0 | 1364.0 | 1364.0 | 1361.3 | 1365.3 | 1362.7 | 1361.3 | 1360.0 | 1360.0 | 1360.0 |
| 7.5° | 1386.7 | 1377.3 | 1370.7 | 1366.7 | 1361.3 | 1361.3 | 1357.3 | 1353.3 | 1350.7 | 1349.3 | 1349.3 |
| 10° | 1397.3 | 1384.0 | 1373.3 | 1364.0 | 1356.0 | 1349.3 | 1342.7 | 1333.3 | 1330.7 | 1328.0 | 1329.3 |
| 12.5° | 1396.0 | 1381.3 | 1365.3 | 1350.7 | 1332.0 | 1324.0 | 1306.7 | 1296.0 | 1296.0 | 1289.3 | 1293.3 |
| 15° | 1366.7 | 1341.3 | 1318.7 | 1294.7 | 1272.0 | 1256.0 | 1234.7 | 1222.7 | 1216.0 | 1214.7 | 1224.0 |
| 17.5° | 1278.7 | 1254.7 | 1233.3 | 1206.7 | 1177.3 | 1166.7 | 1152.0 | 1146.7 | 1142.7 | 1149.3 | 1156.0 |
| 20° | 1160.0 | 1129.3 | 1109.3 | 1093.3 | 1093.3 | 1090.7 | 1084.0 | 1074.7 | 1066.7 | 1065.3 | 1073.3 |
| 22.5° | 992.0 | 980.0 | 984.0 | 973.3 | 973.3 | 968.0 | 978.7 | 961.3 | 970.7 | 962.7 | 966.7 |
| 25° | 852.0 | 846.7 | 844.0 | 842.7 | 842.7 | 852.0 | 850.7 | 853.3 | 844.0 | 849.3 | 848.0 |
| 27.5° | 725.3 | 718.7 | 709.3 | 714.7 | 720.0 | 726.7 | 729.3 | 730.7 | 738.7 | 724.0 | 729.3 |
| 30° | 604.0 | 593.3 | 600.0 | 594.7 | 597.3 | 596.0 | 596.0 | 596.0 | 601.3 | 612.0 | 604.0 |
| 32.5° | 494.7 | 489.3 | 496.0 | 486.7 | 488.0 | 488.0 | 485.3 | 481.3 | 484.0 | 472.0 | 481.3 |
| 35° | 409.3 | 402.7 | 408.0 | 404.0 | 400.0 | 389.3 | 385.3 | 378.7 | 380.0 | 377.3 | 376.0 |
| 37.5° | 342.7 | 341.3 | 337.3 | 337.3 | 334.7 | 333.3 | 326.7 | 328.0 | 329.3 | 332.0 | 332.0 |
| 40° | 296.0 | 294.7 | 293.3 | 296.0 | 297.3 | 298.7 | 301.3 | 304.0 | 308.0 | 312.0 | 316.0 |
| 42.5° | 269.3 | 269.3 | 269.3 | 274.7 | 278.7 | 285.3 | 289.3 | 294.7 | 300.0 | 306.7 | 312.0 |
| 45° | 253.3 | 252.0 | 254.7 | 258.7 | 265.3 | 272.0 | 278.7 | 286.7 | 294.7 | 301.3 | 305.3 |
| 47.5° | 240.0 | 238.7 | 241.3 | 245.3 | 252.0 | 262.7 | 272.0 | 281.3 | 290.7 | 297.3 | 300.0 |
| 50° | 222.7 | 222.7 | 224.0 | 228.0 | 234.7 | 244.0 | 253.3 | 264.0 | 273.3 | 278.7 | 281.3 |
| 52.5° | 209.3 | 210.7 | 210.7 | 214.7 | 221.3 | 229.3 | 238.7 | 248.0 | 254.7 | 258.7 | 264.0 |
| 55° | 196.0 | 198.7 | 198.7 | 202.7 | 209.3 | 218.7 | 230.7 | 238.7 | 246.7 | 252.0 | 256.0 |
| 57.5° | 186.7 | 188.0 | 188.0 | 193.3 | 201.3 | 209.3 | 221.3 | 232.0 | 241.3 | 248.0 | 253.3 |
| 60° | 178.7 | 180.0 | 178.7 | 185.3 | 192.0 | 201.3 | 212.0 | 224.0 | 237.3 | 246.7 | 250.7 |
| 62.5° | 172.0 | 172.0 | 170.7 | 176.0 | 180.0 | 185.3 | 194.7 | 208.0 | 220.0 | 228.0 | 232.0 |
| 65° | 164.0 | 164.0 | 161.3 | 166.7 | 166.7 | 174.7 | 181.3 | 193.3 | 202.7 | 212.0 | 214.7 |
| 67.5° | 148.0 | 150.7 | 149.3 | 153.3 | 158.7 | 164.0 | 172.0 | 181.3 | 190.7 | 197.3 | 201.3 |
| 70° | 132.0 | 133.3 | 137.3 | 140.0 | 145.3 | 148.0 | 154.7 | 161.3 | 170.7 | 174.7 | 178.7 |
| 72.5° | 117.3 | 118.7 | 121.3 | 124.0 | 129.3 | 132.0 | 137.3 | 142.7 | 150.7 | 154.7 | 158.7 |
| 75° | 102.7 | 104.0 | 105.3 | 108.0 | 110.7 | 113.3 | 116.0 | 121.3 | 126.7 | 132.0 | 136.0 |
| 77.5° | 88.0 | 89.3 | 93.3 | 92.0 | 94.7 | 96.0 | 100.0 | 102.7 | 105.3 | 110.7 | 116.0 |
| 80° | 77.3 | 76.0 | 78.7 | 80.0 | 82.7 | 82.7 | 85.3 | 85.3 | 89.3 | 89.3 | 90.7 |
| 82.5° | 65.3 | 64.0 | 66.7 | 70.7 | 72.0 | 72.0 | 74.7 | 69.3 | 68.0 | 69.3 | 73.3 |
| 85° | 49.3 | 50.7 | 52.0 | 57.3 | 58.7 | 58.7 | 61.3 | 57.3 | 52.0 | 52.0 | 54.7 |
| 87.5° | 28.0 | 21.3 | 30.7 | 36.0 | 36.0 | 37.3 | 40.0 | 38.7 | 37.3 | 29.3 | 30.7 |
| 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: P141410
 CATALOG NUMBER: ECM-E04-LED-E1-SLL

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° | |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0° | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 0° |
| 2.5° | 1361.3 | 1362.7 | 1364.0 | 1365.3 | 1366.7 | 1365.3 | 1368.0 | 1365.3 | 1366.7 | 1364.0 | 1362.7 | 2.5° |
| 5° | 1360.0 | 1361.3 | 1361.3 | 1364.0 | 1365.3 | 1361.3 | 1364.0 | 1360.0 | 1360.0 | 1357.3 | 1353.3 | 5° |
| 7.5° | 1350.7 | 1353.3 | 1353.3 | 1356.0 | 1356.0 | 1352.0 | 1352.0 | 1344.0 | 1341.3 | 1332.0 | 1325.3 | 7.5° |
| 10° | 1332.0 | 1336.0 | 1338.7 | 1344.0 | 1346.7 | 1340.0 | 1336.0 | 1326.7 | 1316.0 | 1305.3 | 1294.7 | 10° |
| 12.5° | 1300.0 | 1301.3 | 1310.7 | 1318.7 | 1322.7 | 1326.7 | 1324.0 | 1322.7 | 1312.0 | 1305.3 | 1301.3 | 12.5° |
| 15° | 1226.7 | 1237.3 | 1246.7 | 1265.3 | 1278.7 | 1293.3 | 1304.0 | 1316.0 | 1321.3 | 1328.0 | 1330.7 | 15° |
| 17.5° | 1162.7 | 1174.7 | 1181.3 | 1197.3 | 1210.7 | 1233.3 | 1261.3 | 1292.0 | 1313.3 | 1340.0 | 1365.3 | 17.5° |
| 20° | 1073.3 | 1093.3 | 1098.7 | 1124.0 | 1141.3 | 1170.7 | 1201.3 | 1240.0 | 1282.7 | 1324.0 | 1369.3 | 20° |
| 22.5° | 973.3 | 982.7 | 993.3 | 1020.0 | 1041.3 | 1078.7 | 1125.3 | 1178.7 | 1228.0 | 1285.3 | 1350.7 | 22.5° |
| 25° | 852.0 | 864.0 | 874.7 | 904.0 | 934.7 | 969.3 | 1025.3 | 1090.7 | 1153.3 | 1229.3 | 1314.7 | 25° |
| 27.5° | 732.0 | 741.3 | 760.0 | 781.3 | 816.0 | 853.3 | 922.7 | 994.7 | 1066.7 | 1158.7 | 1260.0 | 27.5° |
| 30° | 606.7 | 616.0 | 625.3 | 650.7 | 686.7 | 730.7 | 793.3 | 878.7 | 964.0 | 1062.7 | 1182.7 | 30° |
| 32.5° | 486.7 | 489.3 | 508.0 | 526.7 | 557.3 | 594.7 | 662.7 | 745.3 | 837.3 | 957.3 | 1076.0 | 32.5° |
| 35° | 380.0 | 396.0 | 404.0 | 429.3 | 448.0 | 486.7 | 544.0 | 620.0 | 716.0 | 837.3 | 965.3 | 35° |
| 37.5° | 337.3 | 342.7 | 353.3 | 372.0 | 397.3 | 432.0 | 472.0 | 530.7 | 613.3 | 716.0 | 836.0 | 37.5° |
| 40° | 321.3 | 326.7 | 334.7 | 349.3 | 373.3 | 405.3 | 438.7 | 485.3 | 549.3 | 630.7 | 738.7 | 40° |
| 42.5° | 316.0 | 317.3 | 320.0 | 333.3 | 357.3 | 393.3 | 433.3 | 477.3 | 526.7 | 592.0 | 677.3 | 42.5° |
| 45° | 309.3 | 309.3 | 310.7 | 320.0 | 341.3 | 378.7 | 429.3 | 485.3 | 541.3 | 600.0 | 672.0 | 45° |
| 47.5° | 304.0 | 305.3 | 304.0 | 308.0 | 324.0 | 360.0 | 416.0 | 484.0 | 558.7 | 634.7 | 713.3 | 47.5° |
| 50° | 282.7 | 282.7 | 284.0 | 285.3 | 297.3 | 332.0 | 386.7 | 461.3 | 553.3 | 656.0 | 764.0 | 50° |
| 52.5° | 265.3 | 268.0 | 268.0 | 270.7 | 278.7 | 306.7 | 361.3 | 440.0 | 540.0 | 660.0 | 805.3 | 52.5° |
| 55° | 260.0 | 262.7 | 264.0 | 264.0 | 269.3 | 293.3 | 345.3 | 420.0 | 525.3 | 656.0 | 821.3 | 55° |
| 57.5° | 256.0 | 258.7 | 260.0 | 258.7 | 262.7 | 282.7 | 330.7 | 404.0 | 509.3 | 646.7 | 828.0 | 57.5° |
| 60° | 252.0 | 253.3 | 250.7 | 248.0 | 249.3 | 266.7 | 309.3 | 381.3 | 490.7 | 633.3 | 825.3 | 60° |
| 62.5° | 233.3 | 234.7 | 232.0 | 229.3 | 226.7 | 240.0 | 278.7 | 349.3 | 452.0 | 602.7 | 804.0 | 62.5° |
| 65° | 217.3 | 217.3 | 217.3 | 214.7 | 212.0 | 220.0 | 248.0 | 308.0 | 397.3 | 548.0 | 754.7 | 65° |
| 67.5° | 204.0 | 202.7 | 202.7 | 201.3 | 198.7 | 201.3 | 218.7 | 260.0 | 329.3 | 461.3 | 665.3 | 67.5° |
| 70° | 182.7 | 181.3 | 182.7 | 181.3 | 178.7 | 178.7 | 186.7 | 209.3 | 256.0 | 338.7 | 517.3 | 70° |
| 72.5° | 161.3 | 162.7 | 165.3 | 165.3 | 165.3 | 166.7 | 166.7 | 173.3 | 198.7 | 242.7 | 352.0 | 72.5° |
| 75° | 138.7 | 140.0 | 144.0 | 149.3 | 146.7 | 148.0 | 148.0 | 152.0 | 165.3 | 192.0 | 246.7 | 75° |
| 77.5° | 117.3 | 121.3 | 126.7 | 128.0 | 124.0 | 124.0 | 126.7 | 133.3 | 145.3 | 161.3 | 188.0 | 77.5° |
| 80° | 96.0 | 101.3 | 102.7 | 105.3 | 106.7 | 106.7 | 109.3 | 114.7 | 126.7 | 146.7 | 168.0 | 80° |
| 82.5° | 76.0 | 80.0 | 84.0 | 88.0 | 90.7 | 94.7 | 96.0 | 98.7 | 110.7 | 130.7 | 154.7 | 82.5° |
| 85° | 57.3 | 61.3 | 66.7 | 70.7 | 73.3 | 77.3 | 76.0 | 77.3 | 84.0 | 100.0 | 117.3 | 85° |
| 87.5° | 34.7 | 34.7 | 38.7 | 40.0 | 41.3 | 41.3 | 44.0 | 38.7 | 41.3 | 53.3 | 64.0 | 87.5° |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 90° |



IUMBER: P141410
 NUMBER: ECM-E04-LED-E1-SLL

DISTRIBUTION (continued):

| 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|
| 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 | 1360.0 |
| 1364.0 | 1362.7 | 1361.3 | 1362.7 | 1365.3 | 1365.3 | 1361.3 |
| 1354.7 | 1350.7 | 1348.0 | 1348.0 | 1348.0 | 1346.7 | 1344.0 |
| 1322.7 | 1316.0 | 1312.0 | 1309.3 | 1308.0 | 1308.0 | 1302.7 |
| 1288.0 | 1284.0 | 1276.0 | 1273.3 | 1274.7 | 1278.7 | 1277.3 |
| 1296.0 | 1284.0 | 1280.0 | 1280.0 | 1278.7 | 1285.3 | 1284.0 |
| 1340.0 | 1340.0 | 1334.7 | 1333.3 | 1330.7 | 1338.7 | 1338.7 |
| 1386.7 | 1398.7 | 1404.0 | 1398.7 | 1400.0 | 1401.3 | 1412.0 |
| 1412.0 | 1446.7 | 1465.3 | 1480.0 | 1481.3 | 1489.3 | 1488.0 |
| 1416.0 | 1478.7 | 1528.0 | 1560.0 | 1589.3 | 1604.0 | 1601.3 |
| 1396.0 | 1482.7 | 1569.3 | 1650.7 | 1712.0 | 1745.3 | 1773.3 |
| 1369.3 | 1472.0 | 1584.0 | 1698.7 | 1798.7 | 1888.0 | 1944.0 |
| 1306.7 | 1437.3 | 1581.3 | 1728.0 | 1870.7 | 1998.7 | 2102.7 |
| 1218.7 | 1369.3 | 1541.3 | 1734.7 | 1934.7 | 2112.0 | 2264.0 |
| 1101.3 | 1262.7 | 1472.0 | 1709.3 | 1973.3 | 2237.3 | 2466.7 |
| 974.7 | 1152.0 | 1381.3 | 1666.7 | 1993.3 | 2337.3 | 2652.0 |
| 864.0 | 1038.7 | 1289.3 | 1612.0 | 1990.7 | 2402.7 | 2788.0 |
| 792.0 | 956.0 | 1209.3 | 1560.0 | 1977.3 | 2440.0 | 2894.7 |
| 768.0 | 916.0 | 1156.0 | 1518.7 | 1969.3 | 2466.7 | 2968.0 |
| 800.0 | 928.0 | 1144.0 | 1500.0 | 1966.7 | 2497.3 | 3032.0 |
| 874.7 | 994.7 | 1189.3 | 1530.7 | 1990.7 | 2528.0 | 3096.0 |
| 945.3 | 1088.0 | 1288.0 | 1618.7 | 2080.0 | 2617.3 | 3184.0 |
| 1002.7 | 1189.3 | 1394.7 | 1734.7 | 2208.0 | 2756.0 | 3316.0 |
| 1034.7 | 1268.0 | 1533.3 | 1896.0 | 2382.7 | 2960.0 | 3532.0 |
| 1048.0 | 1322.7 | 1652.0 | 2065.3 | 2602.7 | 3193.3 | 3805.3 |
| 1042.7 | 1348.0 | 1737.3 | 2220.0 | 2801.3 | 3449.3 | 4116.0 |
| 1009.3 | 1348.0 | 1790.7 | 2344.0 | 2968.0 | 3653.3 | 4389.3 |
| 929.3 | 1301.3 | 1796.0 | 2416.0 | 3096.0 | 3825.3 | 4613.3 |
| 782.7 | 1166.7 | 1706.7 | 2408.0 | 3136.0 | 3880.0 | 4730.7 |
| 548.0 | 870.7 | 1424.0 | 2176.0 | 2965.3 | 3750.7 | 4601.3 |
| 340.0 | 542.7 | 1020.0 | 1682.7 | 2468.0 | 3182.7 | 4094.7 |
| 238.7 | 329.3 | 584.0 | 1065.3 | 1698.7 | 2372.0 | 3057.3 |
| 198.7 | 242.7 | 333.3 | 586.7 | 1021.3 | 1461.3 | 1922.7 |
| 172.0 | 196.0 | 232.0 | 334.7 | 520.0 | 778.7 | 1070.7 |
| 128.0 | 142.7 | 160.0 | 220.0 | 328.0 | 481.3 | 732.0 |
| 52.0 | 58.7 | 65.3 | 88.0 | 201.3 | 277.3 | 297.3 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)