

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: P141279

Luminaire Tested: **EMM-E03-LED-E1-SL4-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P141279
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33692)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: EMM-E03-LED-E1-SL4-7030
Description: EPIC MODERN MEDIUM DECORATIVE LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7736.5 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G2

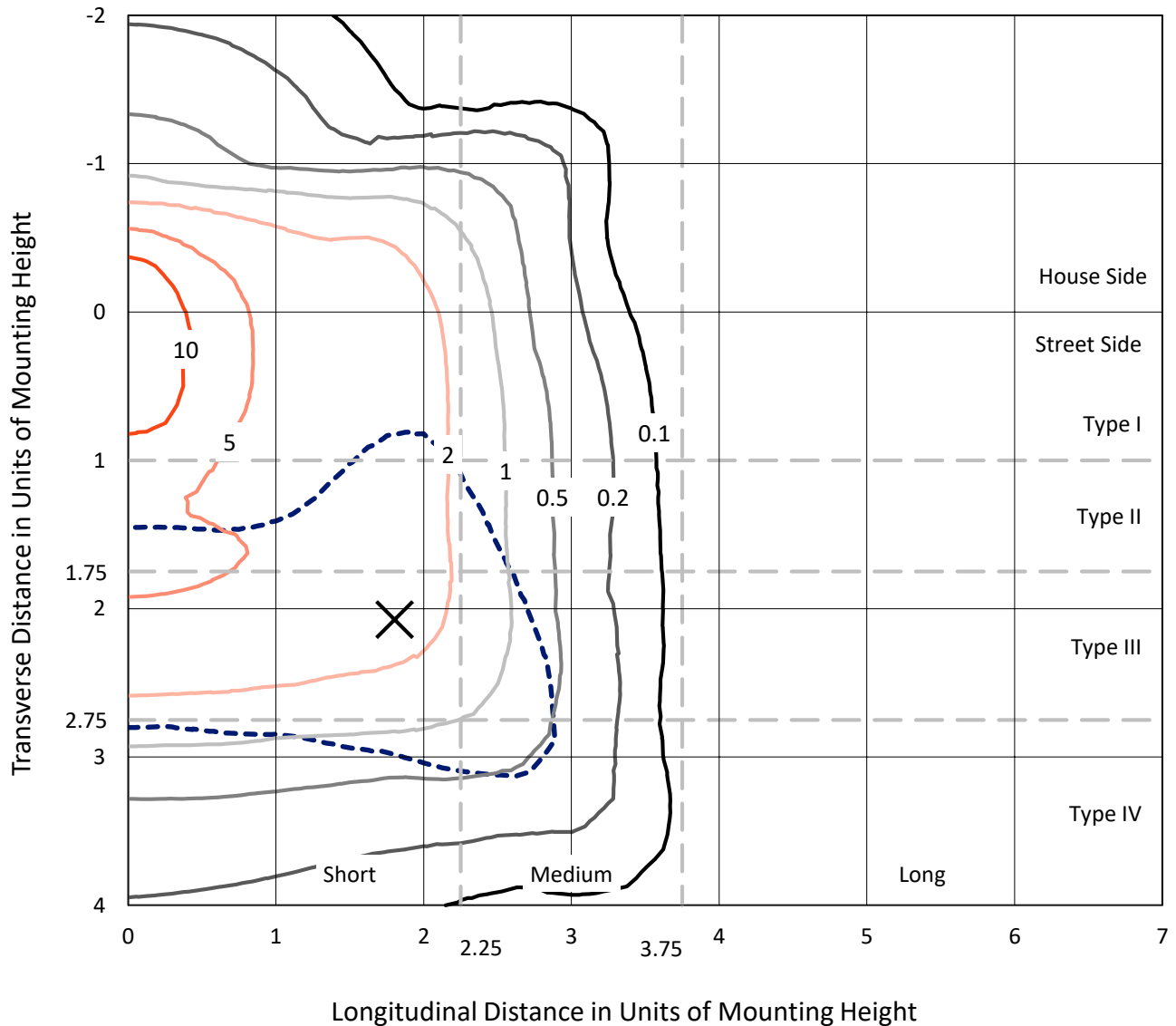
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

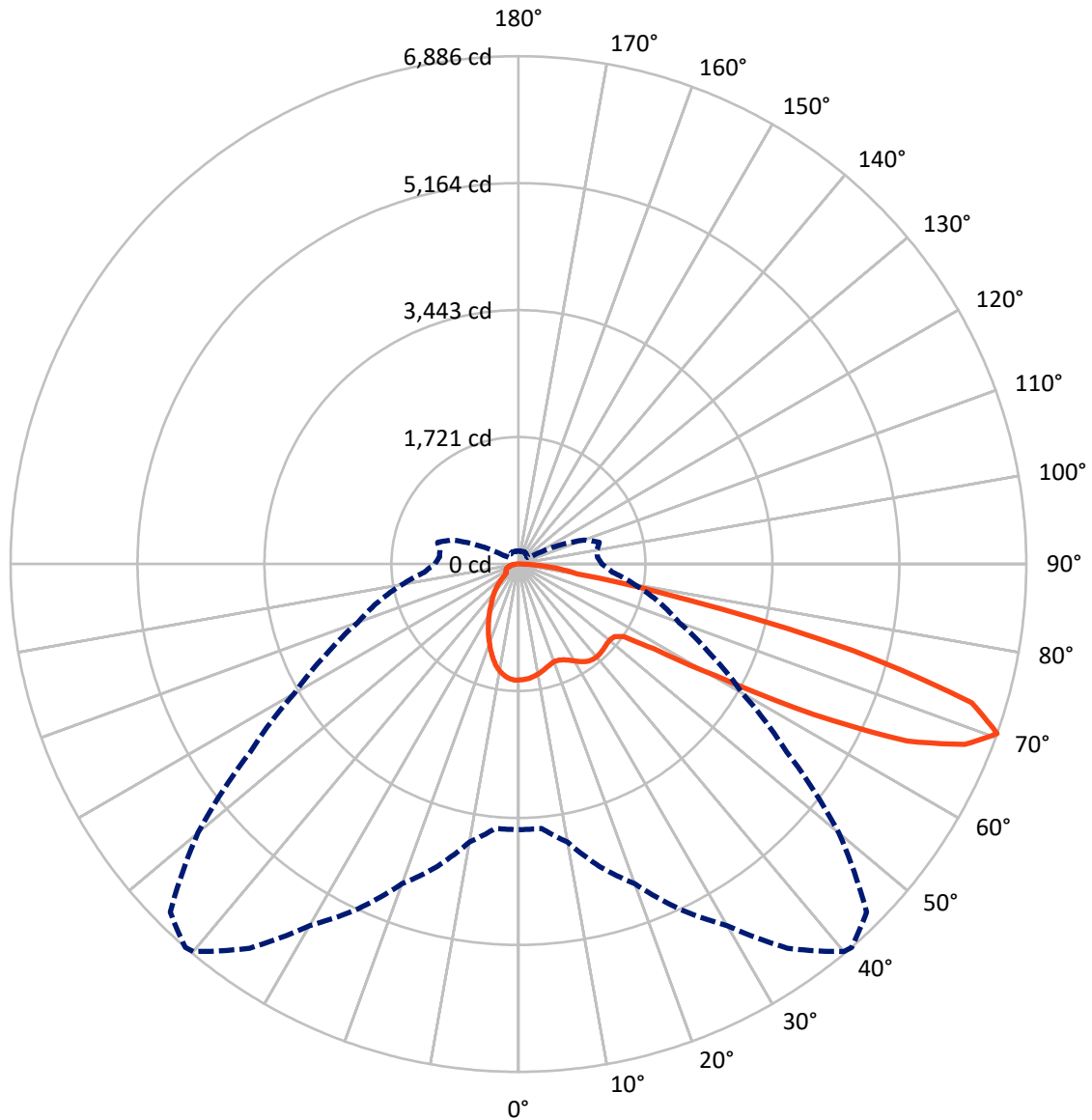
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.7 fc
 Type IV - Short - Semi-Cutoff

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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 | 1659.9 | 0.0 | 1659.9 |
| | % Fixture | 21.5 | 0.0 | 21.5 |
| Street Side | Lumens | 6076.6 | 0.0 | 6076.6 |
| | % Fixture | 78.5 | 0.0 | 78.5 |
| Total | Lumens | 7736.5 | 0.0 | 7736.5 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 146.3 | 1.9 |
| 10°-20° | 392.1 | 5.1 |
| 20°-30° | 566.8 | 7.3 |
| 30°-40° | 721.4 | 9.3 |
| 40°-50° | 850.2 | 11.0 |
| 50°-60° | 1300.8 | 16.8 |
| 60°-70° | 2417.7 | 31.3 |
| 70°-80° | 1166.9 | 15.1 |
| 80°-90° | 174.3 | 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° | 7736.5 | 100.0 |
| 0°-180° | 7736.5 | 100.0 |



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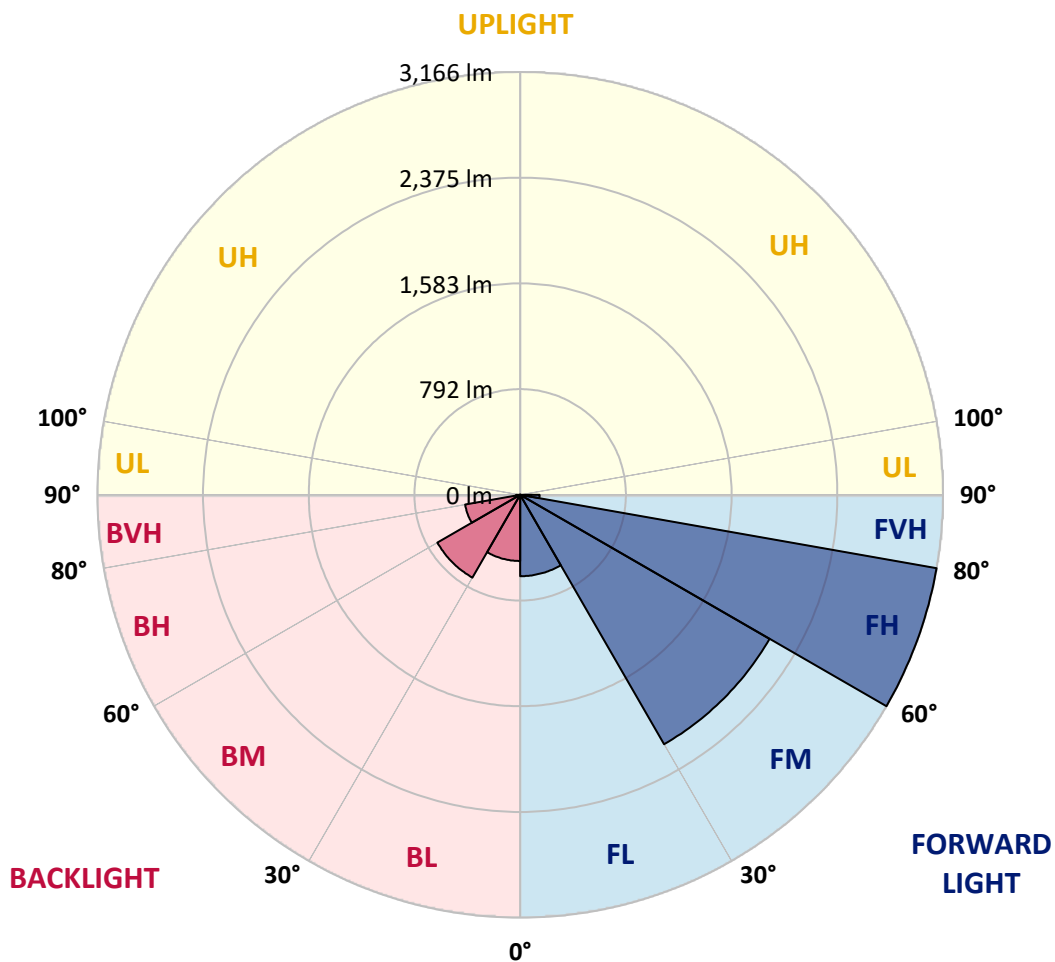
CATALOG NUMBER: EMM-E03-LED-E1-SL4-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 609.3 | 7.9 | | | |
| FM (30°-60°) | 2156.3 | 27.9 | | | |
| FH (60°-80°) | 3166.1 | 40.9 | | | G2/5000 |
| FVH (80°-90°) | 144.9 | 1.9 | | | G2/225 |
| BL (0°-30°) | 495.8 | 6.4 | B1/500 | | |
| BM (30°-60°) | 716.1 | 9.3 | B1/1000 | | |
| BH (60°-80°) | 418.5 | 5.4 | B1/500 | | G1/500 |
| BVH (80°-90°) | 29.4 | 0.4 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G2

Type IV Short





REPORT NUMBER: P141279

CATALOG NUMBER: EMM-E03-LED-E1-SL4-7030

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 41° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1571.9 | 1571.9 | 1571.9 | 1571.9 | 1571.9 | 1571.9 | 1571.9 | 1571.9 | 1571.9 | 1571.9 | 1571.9 |
| 2.5° | 1571.9 | 1573.7 | 1572.8 | 1571.0 | 1569.1 | 1570.0 | 1569.1 | 1568.2 | 1568.2 | 1567.3 | 1566.4 |
| 5° | 1564.6 | 1568.2 | 1565.5 | 1563.7 | 1560.9 | 1560.9 | 1560.0 | 1558.2 | 1556.3 | 1555.4 | 1553.6 |
| 7.5° | 1549.0 | 1552.7 | 1550.9 | 1549.0 | 1546.3 | 1544.5 | 1540.8 | 1539.0 | 1537.2 | 1536.3 | 1533.5 |
| 10° | 1528.0 | 1529.9 | 1528.0 | 1524.4 | 1522.6 | 1521.6 | 1519.8 | 1516.2 | 1512.5 | 1510.7 | 1507.9 |
| 12.5° | 1500.6 | 1501.5 | 1499.7 | 1497.9 | 1495.2 | 1495.2 | 1492.4 | 1489.7 | 1484.2 | 1482.4 | 1476.0 |
| 15° | 1476.9 | 1474.1 | 1472.3 | 1471.4 | 1470.5 | 1465.9 | 1466.8 | 1462.3 | 1453.1 | 1450.4 | 1443.1 |
| 17.5° | 1470.5 | 1467.8 | 1466.8 | 1464.1 | 1462.3 | 1456.8 | 1451.3 | 1442.2 | 1426.7 | 1423.9 | 1413.0 |
| 20° | 1488.8 | 1488.8 | 1486.0 | 1484.2 | 1481.5 | 1471.4 | 1459.5 | 1442.2 | 1413.9 | 1407.5 | 1393.8 |
| 22.5° | 1532.6 | 1528.0 | 1526.2 | 1526.2 | 1525.3 | 1510.7 | 1488.8 | 1461.4 | 1423.9 | 1415.7 | 1391.9 |
| 25° | 1601.1 | 1592.9 | 1595.6 | 1594.7 | 1592.9 | 1571.9 | 1539.9 | 1500.6 | 1449.5 | 1438.5 | 1407.5 |
| 27.5° | 1682.4 | 1684.2 | 1683.3 | 1679.7 | 1674.2 | 1651.3 | 1605.7 | 1552.7 | 1488.8 | 1477.8 | 1437.6 |
| 30° | 1767.3 | 1769.2 | 1774.6 | 1771.9 | 1768.2 | 1733.5 | 1676.9 | 1619.4 | 1541.7 | 1527.1 | 1477.8 |
| 32.5° | 1866.0 | 1872.4 | 1876.9 | 1877.8 | 1863.2 | 1815.7 | 1749.1 | 1676.0 | 1593.8 | 1579.2 | 1518.0 |
| 35° | 1980.1 | 1976.5 | 1984.7 | 1981.1 | 1955.5 | 1890.6 | 1808.4 | 1721.7 | 1637.6 | 1618.5 | 1552.7 |
| 37.5° | 2095.2 | 2099.8 | 2091.6 | 2076.0 | 2035.9 | 1950.9 | 1849.5 | 1751.8 | 1658.6 | 1640.4 | 1571.9 |
| 40° | 2206.7 | 2203.9 | 2184.7 | 2158.2 | 2098.0 | 1989.3 | 1872.4 | 1765.5 | 1666.0 | 1646.8 | 1576.4 |
| 42.5° | 2289.8 | 2282.5 | 2253.2 | 2210.3 | 2132.7 | 2007.5 | 1878.8 | 1765.5 | 1661.4 | 1641.3 | 1570.0 |
| 45° | 2326.3 | 2319.0 | 2290.7 | 2235.9 | 2143.6 | 2003.9 | 1867.8 | 1750.0 | 1645.9 | 1628.5 | 1557.3 |
| 47.5° | 2326.3 | 2323.6 | 2292.5 | 2239.5 | 2140.9 | 1993.8 | 1851.4 | 1730.8 | 1630.3 | 1613.0 | 1546.3 |
| 50° | 2308.0 | 2306.2 | 2278.8 | 2226.7 | 2131.8 | 1988.4 | 1846.8 | 1727.1 | 1629.4 | 1612.1 | 1550.9 |
| 52.5° | 2369.2 | 2357.4 | 2329.0 | 2268.8 | 2165.6 | 2011.2 | 1869.6 | 1745.4 | 1651.3 | 1634.0 | 1571.0 |
| 55° | 3113.6 | 3103.6 | 2960.2 | 2708.1 | 2444.1 | 2203.0 | 1996.6 | 1854.1 | 1759.1 | 1732.6 | 1687.0 |
| 57.5° | 4317.4 | 4302.8 | 4155.7 | 3926.5 | 3472.6 | 2956.5 | 2551.9 | 2314.4 | 2181.1 | 2161.9 | 2134.5 |
| 60° | 4806.0 | 4800.6 | 4738.5 | 4645.3 | 4473.6 | 4206.9 | 3830.6 | 3436.0 | 3129.1 | 3079.8 | 3083.5 |
| 62.5° | 5086.4 | 5072.7 | 5042.6 | 5019.8 | 4961.3 | 4852.6 | 4782.3 | 4671.8 | 4522.9 | 4489.1 | 4275.4 |
| 65° | 5243.5 | 5241.7 | 5258.2 | 5277.3 | 5273.7 | 5306.6 | 5342.2 | 5553.2 | 5800.7 | 5789.7 | 5564.1 |
| 67.5° | 5009.7 | 5025.3 | 5111.1 | 5242.6 | 5380.5 | 5526.7 | 5798.9 | 6221.7 | 6527.7 | 6527.7 | 6329.5 |
| 70° | 3601.3 | 3598.6 | 3826.9 | 4243.4 | 4614.2 | 5160.4 | 5661.9 | 6358.7 | 6859.3 | 6885.7 | 6675.7 |
| 72.5° | 2158.2 | 2208.5 | 2349.1 | 2538.2 | 2853.3 | 3514.6 | 4447.1 | 5699.3 | 6398.0 | 6426.3 | 6175.2 |
| 75° | 1516.2 | 1478.7 | 1473.2 | 1484.2 | 1538.1 | 1700.7 | 2214.0 | 3498.1 | 4638.0 | 4681.8 | 4438.9 |
| 77.5° | 970.0 | 961.8 | 965.4 | 977.3 | 980.0 | 995.6 | 1020.2 | 1199.2 | 2150.0 | 2360.1 | 2349.1 |
| 80° | 836.6 | 833.9 | 834.8 | 821.1 | 794.6 | 784.6 | 815.6 | 791.0 | 768.1 | 800.1 | 756.3 |
| 82.5° | 560.8 | 570.8 | 587.3 | 609.2 | 662.2 | 680.4 | 670.4 | 665.8 | 593.7 | 577.2 | 512.4 |
| 85° | 415.6 | 410.1 | 416.5 | 416.5 | 402.8 | 389.1 | 399.1 | 389.1 | 344.3 | 322.4 | 285.0 |
| 87.5° | 224.7 | 225.6 | 243.9 | 251.2 | 250.3 | 213.7 | 176.3 | 152.5 | 137.9 | 127.9 | 107.8 |
| 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: EMM-E03-LED-E1-SL4-7030

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1571.9 | 1571.9 | 1571.9 | 1571.9 | 1571.9 | 1571.9 | 1571.9 | 1571.9 | 1571.9 | 1571.9 | 1571.9 |
| 2.5° | 1567.3 | 1564.6 | 1565.5 | 1565.5 | 1564.6 | 1566.4 | 1563.7 | 1562.7 | 1563.7 | 1563.7 | 1563.7 |
| 5° | 1551.8 | 1548.1 | 1548.1 | 1547.2 | 1545.4 | 1545.4 | 1541.7 | 1540.8 | 1539.0 | 1541.7 | 1539.9 |
| 7.5° | 1529.9 | 1524.4 | 1519.8 | 1516.2 | 1514.3 | 1511.6 | 1507.0 | 1505.2 | 1503.4 | 1502.5 | 1500.6 |
| 10° | 1503.4 | 1497.0 | 1487.8 | 1480.5 | 1476.9 | 1469.6 | 1464.1 | 1456.8 | 1456.8 | 1453.1 | 1449.5 |
| 12.5° | 1471.4 | 1462.3 | 1453.1 | 1443.1 | 1436.7 | 1426.7 | 1417.5 | 1409.3 | 1402.9 | 1394.7 | 1389.2 |
| 15° | 1439.4 | 1425.7 | 1415.7 | 1405.6 | 1393.8 | 1380.1 | 1369.1 | 1356.3 | 1344.5 | 1331.7 | 1328.0 |
| 17.5° | 1404.7 | 1393.8 | 1384.6 | 1372.8 | 1360.0 | 1343.5 | 1328.9 | 1307.9 | 1293.3 | 1277.8 | 1265.9 |
| 20° | 1381.9 | 1369.1 | 1359.1 | 1348.1 | 1334.4 | 1315.2 | 1296.0 | 1272.3 | 1250.4 | 1227.5 | 1210.2 |
| 22.5° | 1370.0 | 1349.0 | 1339.9 | 1329.8 | 1316.1 | 1295.1 | 1273.2 | 1244.0 | 1216.6 | 1186.4 | 1159.0 |
| 25° | 1374.6 | 1346.3 | 1328.0 | 1317.1 | 1305.2 | 1284.2 | 1255.9 | 1223.0 | 1191.9 | 1153.6 | 1122.5 |
| 27.5° | 1394.7 | 1356.3 | 1328.0 | 1309.7 | 1297.0 | 1275.0 | 1245.8 | 1208.4 | 1170.9 | 1130.7 | 1093.3 |
| 30° | 1421.2 | 1372.8 | 1336.2 | 1309.7 | 1290.6 | 1266.8 | 1234.8 | 1194.7 | 1153.6 | 1108.8 | 1065.9 |
| 32.5° | 1451.3 | 1391.9 | 1348.1 | 1311.6 | 1280.5 | 1250.4 | 1217.5 | 1175.5 | 1132.6 | 1085.1 | 1043.0 |
| 35° | 1475.1 | 1406.6 | 1356.3 | 1307.9 | 1266.8 | 1229.4 | 1191.0 | 1151.7 | 1108.8 | 1064.1 | 1019.3 |
| 37.5° | 1488.8 | 1415.7 | 1356.3 | 1295.1 | 1244.9 | 1205.6 | 1165.4 | 1127.1 | 1086.0 | 1042.1 | 1002.9 |
| 40° | 1494.2 | 1419.3 | 1350.8 | 1280.5 | 1222.1 | 1177.3 | 1139.9 | 1100.6 | 1064.1 | 1025.7 | 991.0 |
| 42.5° | 1491.5 | 1416.6 | 1343.5 | 1266.8 | 1203.8 | 1155.4 | 1114.3 | 1077.8 | 1047.6 | 1015.6 | 986.4 |
| 45° | 1480.5 | 1407.5 | 1336.2 | 1260.4 | 1197.4 | 1148.1 | 1106.1 | 1071.4 | 1043.0 | 1013.8 | 991.0 |
| 47.5° | 1471.4 | 1403.8 | 1340.8 | 1276.0 | 1215.7 | 1165.4 | 1119.8 | 1081.4 | 1057.7 | 1034.8 | 1020.2 |
| 50° | 1478.7 | 1413.9 | 1350.8 | 1289.7 | 1231.2 | 1180.0 | 1133.5 | 1097.8 | 1084.1 | 1080.5 | 1075.9 |
| 52.5° | 1498.8 | 1434.9 | 1381.9 | 1339.0 | 1312.5 | 1293.3 | 1245.8 | 1237.6 | 1225.7 | 1219.3 | 1203.8 |
| 55° | 1629.4 | 1602.9 | 1650.4 | 1702.5 | 1711.6 | 1769.2 | 1792.0 | 1793.8 | 1773.7 | 1702.5 | 1536.3 |
| 57.5° | 2161.0 | 2226.7 | 2246.8 | 2367.4 | 2400.3 | 2374.7 | 2340.0 | 2338.2 | 2276.1 | 2182.0 | 1940.0 |
| 60° | 3110.9 | 3076.2 | 3033.2 | 2954.7 | 2880.7 | 2801.2 | 2691.6 | 2607.6 | 2528.2 | 2383.8 | 2129.0 |
| 62.5° | 4104.6 | 3802.3 | 3582.2 | 3356.6 | 3173.9 | 3014.1 | 2855.1 | 2720.0 | 2591.2 | 2391.2 | 2118.1 |
| 65° | 4966.8 | 4351.2 | 3904.6 | 3565.7 | 3282.6 | 3048.8 | 2837.8 | 2653.3 | 2490.7 | 2240.4 | 1963.7 |
| 67.5° | 5527.6 | 4642.6 | 3974.9 | 3468.9 | 3068.9 | 2771.1 | 2460.6 | 2169.2 | 2009.4 | 1807.5 | 1666.9 |
| 70° | 5671.0 | 4437.1 | 3505.4 | 2857.0 | 2318.1 | 1962.8 | 1596.5 | 1278.7 | 1131.6 | 1075.0 | 1079.6 |
| 72.5° | 5115.7 | 3507.3 | 2485.2 | 1817.6 | 1423.0 | 1128.0 | 917.0 | 705.1 | 550.8 | 462.2 | 451.2 |
| 75° | 3341.9 | 1951.8 | 1180.0 | 822.0 | 654.0 | 520.6 | 410.1 | 345.2 | 297.8 | 240.2 | 200.9 |
| 77.5° | 1263.2 | 743.5 | 529.7 | 432.0 | 319.7 | 222.9 | 173.5 | 146.1 | 134.3 | 130.6 | 117.8 |
| 80° | 647.6 | 516.0 | 369.0 | 243.0 | 169.9 | 136.1 | 114.2 | 96.8 | 89.5 | 85.9 | 87.7 |
| 82.5° | 436.6 | 325.2 | 203.7 | 146.1 | 117.8 | 101.4 | 80.4 | 67.6 | 60.3 | 59.4 | 63.9 |
| 85° | 243.0 | 162.6 | 118.7 | 98.6 | 86.8 | 75.8 | 61.2 | 50.2 | 46.6 | 49.3 | 57.5 |
| 87.5° | 75.8 | 74.9 | 53.9 | 43.8 | 45.7 | 39.3 | 29.2 | 21.9 | 21.9 | 28.3 | 40.2 |
| 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: P141279

CATALOG NUMBER: EMM-E03-LED-E1-SL4-7030

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1571.9 | 1571.9 | 1571.9 | 1571.9 | 1571.9 | 1571.9 | 1571.9 | 1571.9 | 1571.9 | 1571.9 | 1571.9 |
| 2.5° | 1563.7 | 1565.5 | 1569.1 | 1566.4 | 1567.3 | 1568.2 | 1571.0 | 1574.6 | 1571.9 | 1570.0 | 1575.5 |
| 5° | 1541.7 | 1541.7 | 1546.3 | 1544.5 | 1548.1 | 1551.8 | 1553.6 | 1560.0 | 1558.2 | 1556.3 | 1563.7 |
| 7.5° | 1501.5 | 1502.5 | 1508.9 | 1507.0 | 1514.3 | 1515.2 | 1522.6 | 1528.0 | 1528.0 | 1531.7 | 1538.1 |
| 10° | 1450.4 | 1450.4 | 1455.9 | 1456.8 | 1461.4 | 1465.0 | 1473.2 | 1483.3 | 1485.1 | 1491.5 | 1500.6 |
| 12.5° | 1392.9 | 1391.0 | 1395.6 | 1395.6 | 1399.3 | 1403.8 | 1413.0 | 1424.8 | 1426.7 | 1436.7 | 1448.6 |
| 15° | 1321.6 | 1318.9 | 1317.1 | 1318.9 | 1320.7 | 1321.6 | 1335.3 | 1347.2 | 1354.5 | 1365.5 | 1377.3 |
| 17.5° | 1253.1 | 1243.1 | 1238.5 | 1238.5 | 1239.4 | 1239.4 | 1244.9 | 1258.6 | 1268.6 | 1286.0 | 1303.4 |
| 20° | 1191.9 | 1174.6 | 1168.2 | 1153.6 | 1150.8 | 1144.4 | 1149.0 | 1164.5 | 1182.8 | 1196.5 | 1210.2 |
| 22.5° | 1134.4 | 1116.1 | 1097.8 | 1080.5 | 1066.8 | 1058.6 | 1066.8 | 1076.8 | 1083.2 | 1094.2 | 1097.8 |
| 25° | 1090.5 | 1060.4 | 1034.8 | 1007.4 | 992.8 | 985.5 | 984.6 | 983.7 | 978.2 | 976.4 | 976.4 |
| 27.5° | 1055.8 | 1020.2 | 981.9 | 951.7 | 931.6 | 917.9 | 902.4 | 891.4 | 877.7 | 859.5 | 850.3 |
| 30° | 1026.6 | 988.2 | 946.2 | 910.6 | 885.0 | 858.5 | 826.6 | 801.9 | 777.3 | 755.3 | 736.2 |
| 32.5° | 1000.1 | 960.8 | 919.7 | 882.3 | 838.5 | 792.8 | 752.6 | 723.4 | 680.4 | 651.2 | 626.6 |
| 35° | 980.0 | 940.8 | 902.4 | 853.1 | 792.8 | 734.3 | 682.3 | 639.3 | 595.5 | 557.1 | 524.3 |
| 37.5° | 965.4 | 932.5 | 891.4 | 824.8 | 748.9 | 678.6 | 623.8 | 572.7 | 520.6 | 468.5 | 427.4 |
| 40° | 960.8 | 932.5 | 880.5 | 793.7 | 706.9 | 631.1 | 568.1 | 505.1 | 447.5 | 391.8 | 349.8 |
| 42.5° | 963.6 | 933.4 | 863.1 | 766.3 | 672.2 | 590.0 | 518.8 | 445.7 | 377.2 | 317.8 | 275.8 |
| 45° | 973.6 | 933.4 | 844.8 | 736.2 | 640.3 | 552.6 | 467.6 | 380.9 | 301.4 | 253.9 | 235.6 |
| 47.5° | 1003.8 | 939.8 | 830.2 | 714.2 | 611.9 | 511.5 | 410.1 | 311.5 | 243.9 | 223.8 | 223.8 |
| 50° | 1050.4 | 959.0 | 828.4 | 697.8 | 580.0 | 464.0 | 338.9 | 245.7 | 215.6 | 214.6 | 220.1 |
| 52.5° | 1129.8 | 992.8 | 837.5 | 686.8 | 546.2 | 400.0 | 264.0 | 211.9 | 205.5 | 211.0 | 219.2 |
| 55° | 1284.2 | 1052.2 | 850.3 | 666.7 | 489.6 | 313.3 | 216.5 | 200.9 | 203.7 | 210.1 | 217.4 |
| 57.5° | 1566.4 | 1171.8 | 864.0 | 623.8 | 396.4 | 237.5 | 196.4 | 197.3 | 201.9 | 208.2 | 214.6 |
| 60° | 1760.9 | 1319.8 | 891.4 | 551.7 | 295.0 | 196.4 | 188.2 | 195.5 | 200.9 | 205.5 | 211.0 |
| 62.5° | 1777.4 | 1373.7 | 911.5 | 470.4 | 219.2 | 179.0 | 180.8 | 191.8 | 199.1 | 200.9 | 203.7 |
| 65° | 1678.7 | 1304.3 | 854.0 | 388.2 | 181.8 | 169.9 | 176.3 | 186.3 | 193.6 | 194.5 | 197.3 |
| 67.5° | 1463.2 | 1159.0 | 728.9 | 295.0 | 166.2 | 163.5 | 170.8 | 177.2 | 182.7 | 187.2 | 190.9 |
| 70° | 1133.5 | 946.2 | 586.4 | 229.3 | 154.4 | 153.4 | 159.8 | 167.1 | 172.6 | 177.2 | 182.7 |
| 72.5° | 597.3 | 672.2 | 436.6 | 183.6 | 141.6 | 142.5 | 148.9 | 155.3 | 158.9 | 163.5 | 169.0 |
| 75° | 185.4 | 285.0 | 269.4 | 147.0 | 126.0 | 129.7 | 133.3 | 138.8 | 145.2 | 148.0 | 150.7 |
| 77.5° | 109.6 | 116.0 | 140.7 | 115.1 | 109.6 | 112.3 | 116.9 | 121.5 | 126.0 | 129.7 | 132.4 |
| 80° | 88.6 | 90.4 | 91.3 | 91.3 | 91.3 | 95.0 | 98.6 | 105.0 | 108.7 | 110.5 | 111.4 |
| 82.5° | 69.4 | 74.0 | 74.9 | 73.1 | 75.8 | 79.5 | 81.3 | 84.9 | 85.9 | 87.7 | 89.5 |
| 85° | 57.5 | 56.6 | 58.5 | 59.4 | 55.7 | 55.7 | 53.9 | 53.9 | 57.5 | 63.9 | 64.8 |
| 87.5° | 44.8 | 39.3 | 32.0 | 30.1 | 28.3 | 26.5 | 24.7 | 24.7 | 25.6 | 29.2 | 32.0 |
| 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: EMM-E03-LED-E1-SL4-7030

CANDELA DISTRIBUTION (continued):

| | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|
| 0° | 1571.9 | 1571.9 | 1571.9 | 1571.9 | 1571.9 |
| 2.5° | 1575.5 | 1574.6 | 1576.4 | 1579.2 | 1577.4 |
| 5° | 1564.6 | 1564.6 | 1568.2 | 1571.0 | 1569.1 |
| 7.5° | 1542.6 | 1543.6 | 1549.0 | 1552.7 | 1550.9 |
| 10° | 1507.9 | 1509.8 | 1516.2 | 1521.6 | 1524.4 |
| 12.5° | 1455.9 | 1462.3 | 1470.5 | 1476.0 | 1476.0 |
| 15° | 1390.1 | 1400.2 | 1409.3 | 1417.5 | 1413.0 |
| 17.5° | 1315.2 | 1327.1 | 1339.0 | 1343.5 | 1339.0 |
| 20° | 1224.8 | 1225.7 | 1233.0 | 1237.6 | 1235.8 |
| 22.5° | 1101.5 | 1097.8 | 1101.5 | 1103.3 | 1106.1 |
| 25° | 975.5 | 969.1 | 965.4 | 970.9 | 973.6 |
| 27.5° | 846.7 | 837.5 | 840.3 | 833.9 | 826.6 |
| 30° | 721.5 | 713.3 | 703.3 | 700.5 | 705.1 |
| 32.5° | 611.0 | 590.0 | 581.8 | 566.3 | 572.7 |
| 35° | 494.1 | 473.1 | 453.0 | 447.5 | 443.9 |
| 37.5° | 398.2 | 372.6 | 348.0 | 339.8 | 337.9 |
| 40° | 311.5 | 290.4 | 274.0 | 269.4 | 267.6 |
| 42.5° | 253.0 | 243.9 | 241.1 | 241.1 | 242.0 |
| 45° | 231.1 | 232.0 | 234.7 | 236.6 | 237.5 |
| 47.5° | 226.5 | 230.2 | 233.8 | 237.5 | 238.4 |
| 50° | 226.5 | 229.3 | 232.0 | 235.6 | 236.6 |
| 52.5° | 224.7 | 227.4 | 228.3 | 230.2 | 232.0 |
| 55° | 222.9 | 223.8 | 223.8 | 224.7 | 226.5 |
| 57.5° | 218.3 | 219.2 | 217.4 | 218.3 | 221.9 |
| 60° | 213.7 | 214.6 | 212.8 | 214.6 | 215.6 |
| 62.5° | 207.3 | 207.3 | 206.4 | 207.3 | 208.2 |
| 65° | 200.0 | 197.3 | 199.1 | 198.2 | 199.1 |
| 67.5° | 190.9 | 187.2 | 186.3 | 186.3 | 187.2 |
| 70° | 178.1 | 175.4 | 174.4 | 176.3 | 178.1 |
| 72.5° | 162.6 | 164.4 | 167.1 | 169.9 | 174.4 |
| 75° | 151.6 | 154.4 | 158.0 | 167.1 | 173.5 |
| 77.5° | 136.1 | 135.2 | 138.8 | 148.9 | 158.0 |
| 80° | 113.3 | 114.2 | 113.3 | 116.0 | 117.8 |
| 82.5° | 86.8 | 85.9 | 83.1 | 83.1 | 81.3 |
| 85° | 61.2 | 58.5 | 54.8 | 53.9 | 53.0 |
| 87.5° | 31.1 | 32.9 | 30.1 | 27.4 | 27.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)