

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: McGRAW-EDISON

Report Number: P146749

Luminaire Tested: **CNC-E04-LED-E1-T3-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P146749
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33695)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: CNC-E04-LED-E1-T3-7030
Description: CONCISE LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (84) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10908.4 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

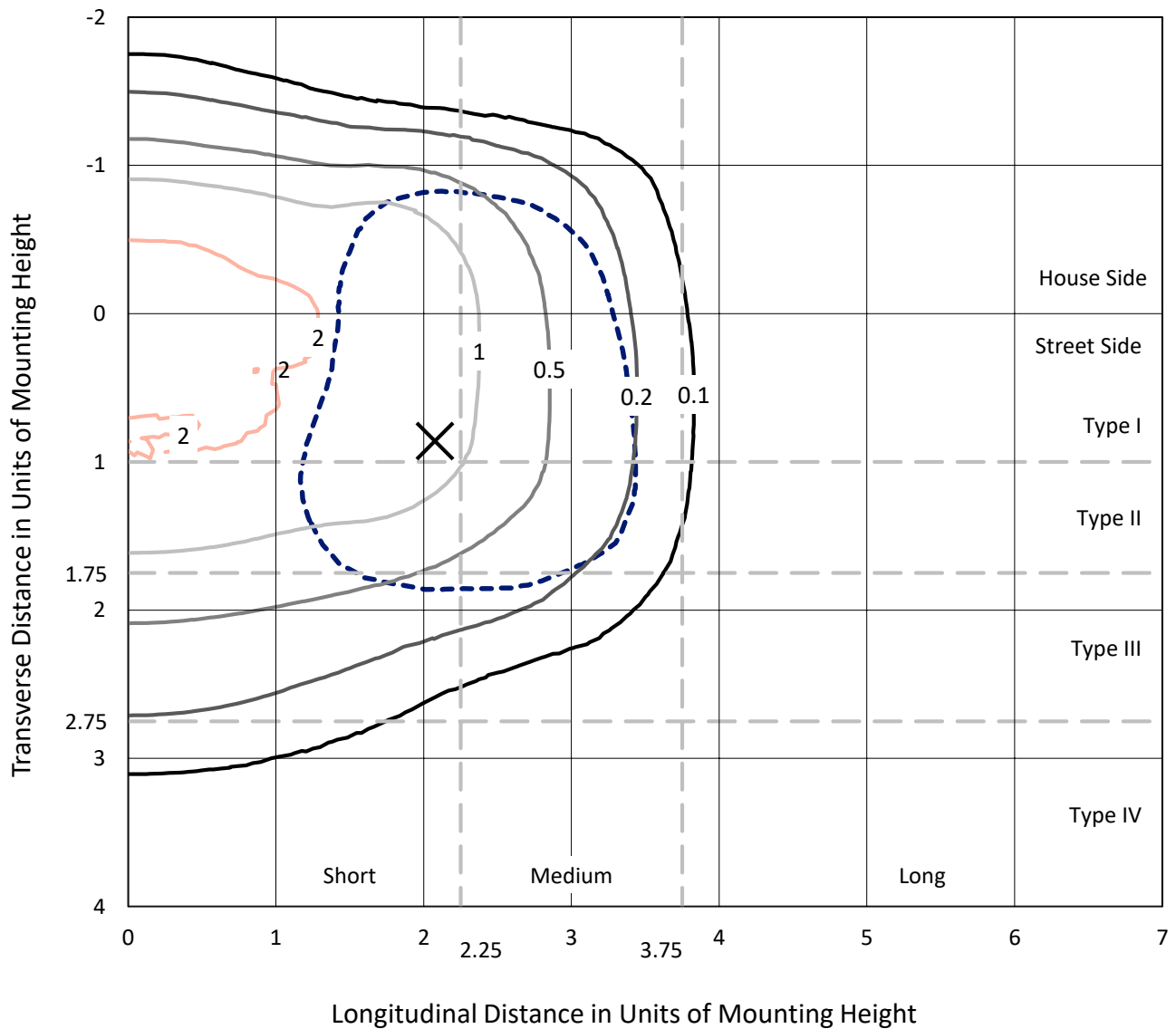
Input Watts (W): 97.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P146749
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Iso-Footcandle Lines of Horizontal Illumination

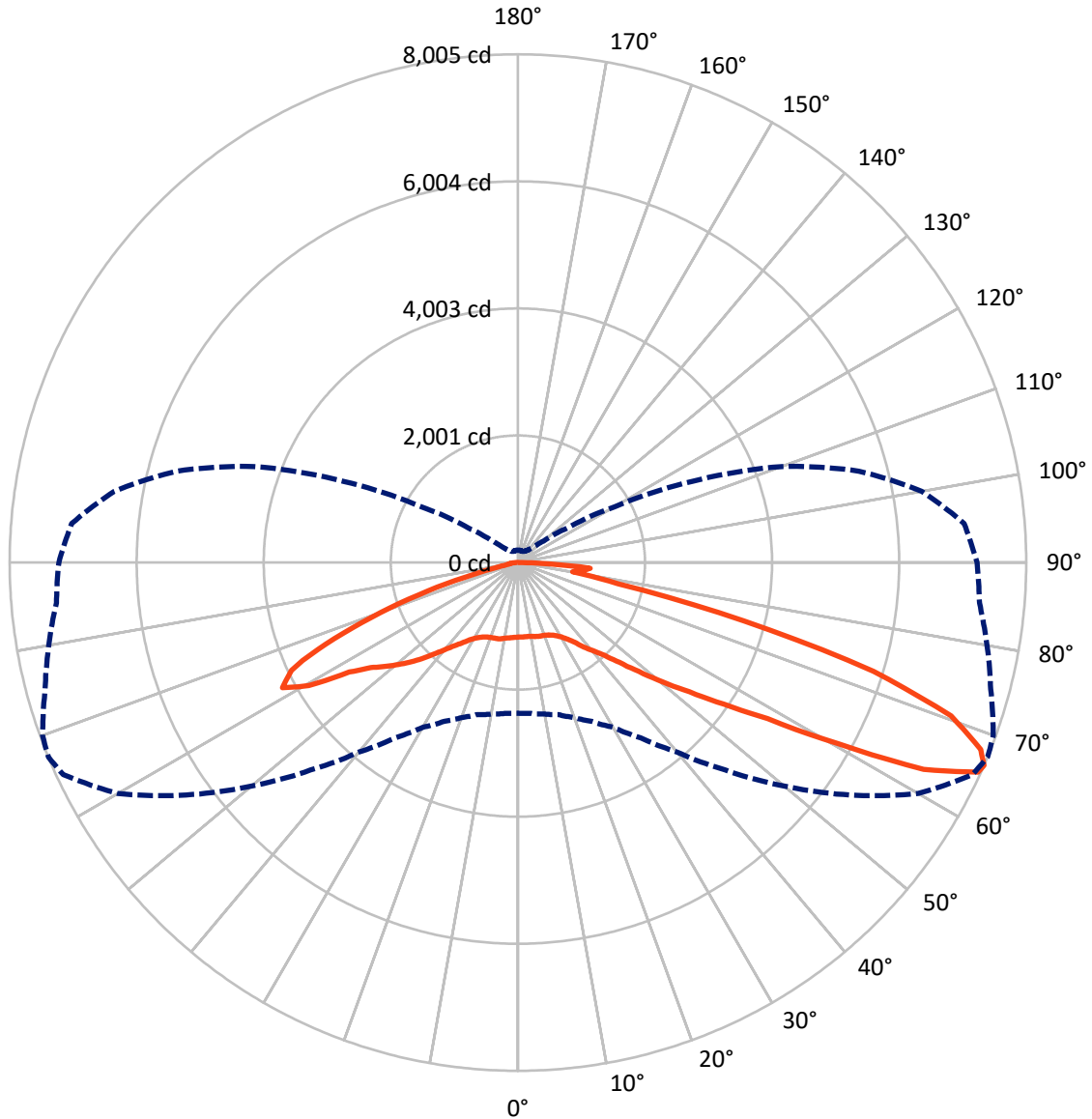
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.9 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3705.9 | 0.0 | 3705.9 |
| | % Fixture | 34.0 | 0.0 | 34.0 |
| Street Side | Lumens | 7202.4 | 0.0 | 7202.4 |
| | % Fixture | 66.0 | 0.0 | 66.0 |
| Total | Lumens | 10908.4 | 0.0 | 10908.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 112.8 | 1.0 |
| 10°-20° | 334.2 | 3.1 |
| 20°-30° | 574.6 | 5.3 |
| 30°-40° | 924.1 | 8.5 |
| 40°-50° | 1523.2 | 14.0 |
| 50°-60° | 2387.6 | 21.9 |
| 60°-70° | 3304.2 | 30.3 |
| 70°-80° | 1495.3 | 13.7 |
| 80°-90° | 252.3 | 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° | 10908.4 | 100.0 |
| 0°-180° | 10908.4 | 100.0 |



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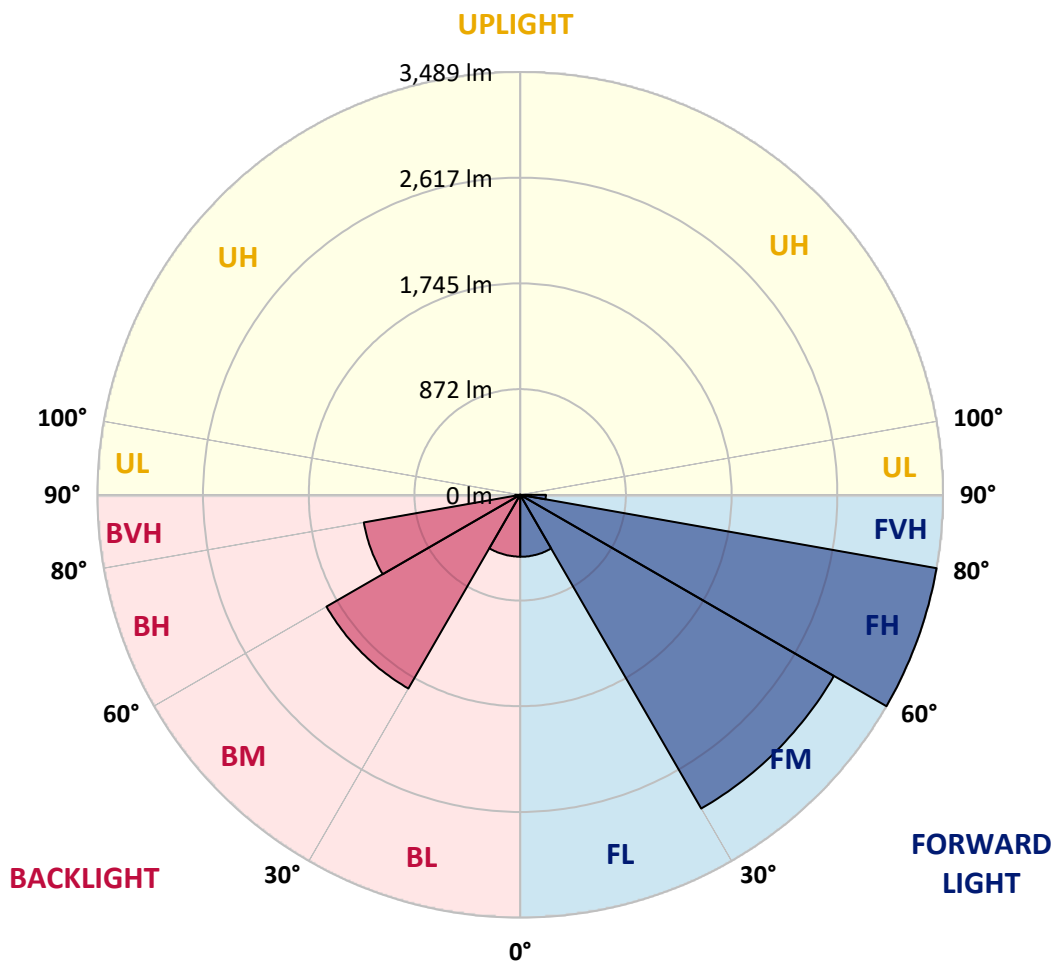
CATALOG NUMBER: CNC-E04-LED-E1-T3-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 511.6 | 4.7 | | | |
| FM | (30°-60°) | 2989.3 | 27.4 | | | |
| FH | (60°-80°) | 3489.5 | 32.0 | | | G2/5000 |
| FVH | (80°-90°) | 212.0 | 1.9 | | | G2/225 |
| BL | (0°-30°) | 510.0 | 4.7 | B2/1000 | | |
| BM | (30°-60°) | 1845.6 | 16.9 | B2/2500 | | |
| BH | (60°-80°) | 1310.1 | 12.0 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 40.3 | 0.4 | | | 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 III Short





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CATALOG NUMBER: CNC-E04-LED-E1-T3-7030

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1174.2 | 1174.2 | 1174.2 | 1174.2 | 1174.2 | 1174.2 | 1174.2 | 1174.2 | 1174.2 | 1174.2 | 1174.2 |
| 2.5° | 1172.7 | 1172.0 | 1171.3 | 1171.3 | 1170.5 | 1171.3 | 1172.0 | 1172.7 | 1172.0 | 1172.7 | 1172.0 |
| 5° | 1170.5 | 1170.5 | 1169.8 | 1169.8 | 1169.8 | 1169.8 | 1170.5 | 1171.3 | 1170.5 | 1172.0 | 1170.5 |
| 7.5° | 1161.1 | 1165.4 | 1164.0 | 1165.4 | 1166.9 | 1168.4 | 1169.1 | 1170.5 | 1172.7 | 1174.2 | 1172.7 |
| 10° | 1148.6 | 1150.8 | 1151.6 | 1153.0 | 1155.9 | 1159.6 | 1162.5 | 1166.2 | 1171.3 | 1172.7 | 1174.2 |
| 12.5° | 1126.0 | 1128.9 | 1131.1 | 1134.0 | 1138.4 | 1144.2 | 1149.4 | 1155.2 | 1164.0 | 1169.8 | 1174.9 |
| 15° | 1109.2 | 1112.8 | 1113.6 | 1117.2 | 1121.6 | 1128.2 | 1134.7 | 1143.5 | 1155.2 | 1165.4 | 1175.7 |
| 17.5° | 1120.1 | 1121.6 | 1120.1 | 1120.1 | 1121.6 | 1124.5 | 1129.6 | 1136.9 | 1149.4 | 1161.8 | 1174.2 |
| 20° | 1153.0 | 1153.0 | 1151.6 | 1150.8 | 1149.4 | 1146.4 | 1145.7 | 1145.0 | 1153.0 | 1162.5 | 1173.5 |
| 22.5° | 1184.4 | 1184.4 | 1183.7 | 1186.6 | 1185.9 | 1185.9 | 1183.7 | 1180.0 | 1176.4 | 1174.9 | 1182.2 |
| 25° | 1204.2 | 1207.1 | 1208.5 | 1212.9 | 1215.9 | 1220.2 | 1221.7 | 1221.0 | 1215.9 | 1207.1 | 1204.9 |
| 27.5° | 1236.3 | 1238.5 | 1240.0 | 1245.1 | 1250.9 | 1256.0 | 1261.2 | 1267.7 | 1267.7 | 1259.7 | 1248.7 |
| 30° | 1298.4 | 1295.5 | 1297.0 | 1298.4 | 1303.5 | 1310.8 | 1317.4 | 1326.2 | 1330.6 | 1327.6 | 1313.0 |
| 32.5° | 1356.1 | 1359.1 | 1360.5 | 1364.9 | 1370.0 | 1381.0 | 1389.0 | 1399.3 | 1408.8 | 1410.2 | 1402.9 |
| 35° | 1440.9 | 1439.4 | 1437.2 | 1452.6 | 1458.4 | 1470.9 | 1480.4 | 1495.0 | 1502.3 | 1508.9 | 1504.5 |
| 37.5° | 1574.6 | 1570.2 | 1567.3 | 1571.7 | 1579.7 | 1587.8 | 1601.7 | 1612.6 | 1625.0 | 1640.4 | 1635.3 |
| 40° | 1763.9 | 1772.6 | 1760.2 | 1766.1 | 1772.6 | 1754.4 | 1766.8 | 1777.0 | 1798.2 | 1798.9 | 1798.2 |
| 42.5° | 2010.1 | 2016.7 | 2013.8 | 2017.4 | 2005.7 | 1999.9 | 1994.8 | 1999.9 | 2026.2 | 2022.5 | 2005.0 |
| 45° | 2256.3 | 2265.8 | 2263.6 | 2265.1 | 2287.8 | 2278.3 | 2286.3 | 2287.8 | 2314.8 | 2307.5 | 2294.3 |
| 47.5° | 2466.8 | 2482.9 | 2486.5 | 2499.7 | 2530.3 | 2555.2 | 2589.5 | 2615.1 | 2628.3 | 2637.0 | 2647.3 |
| 50° | 2633.4 | 2645.1 | 2665.5 | 2698.4 | 2743.0 | 2786.1 | 2863.5 | 2914.0 | 2960.0 | 2992.1 | 3025.0 |
| 52.5° | 2743.7 | 2756.9 | 2788.3 | 2838.0 | 2902.3 | 2981.2 | 3071.8 | 3177.0 | 3274.2 | 3331.2 | 3380.1 |
| 55° | 2789.0 | 2802.2 | 2840.9 | 2905.9 | 2991.4 | 3092.2 | 3222.3 | 3370.6 | 3500.0 | 3630.8 | 3706.0 |
| 57.5° | 2762.7 | 2777.3 | 2821.9 | 2895.0 | 2998.0 | 3130.2 | 3291.7 | 3473.7 | 3662.9 | 3860.9 | 4012.2 |
| 60° | 2685.2 | 2698.4 | 2748.8 | 2824.8 | 2942.4 | 3091.5 | 3285.1 | 3513.1 | 3779.1 | 4072.8 | 4360.0 |
| 62.5° | 2578.6 | 2598.3 | 2642.9 | 2720.3 | 2837.2 | 3000.2 | 3220.8 | 3517.5 | 3898.9 | 4372.4 | 4931.4 |
| 65° | 2442.7 | 2457.3 | 2496.7 | 2558.1 | 2686.7 | 2857.0 | 3090.0 | 3453.2 | 3951.5 | 4623.0 | 5420.9 |
| 66° | 2372.5 | 2386.4 | 2422.9 | 2480.7 | 2598.3 | 2762.0 | 2995.1 | 3367.0 | 3893.1 | 4621.6 | 5472.8 |
| 67.5° | 2249.0 | 2255.6 | 2281.9 | 2338.9 | 2415.6 | 2562.5 | 2778.8 | 3127.3 | 3645.4 | 4426.5 | 5328.1 |
| 70° | 1886.6 | 1896.1 | 1921.7 | 1950.9 | 1979.4 | 2032.0 | 2183.3 | 2413.4 | 2827.7 | 3576.7 | 4436.7 |
| 72.5° | 1305.0 | 1319.6 | 1347.4 | 1401.4 | 1446.0 | 1512.5 | 1571.7 | 1648.4 | 1785.8 | 2306.0 | 3174.1 |
| 75° | 943.3 | 948.4 | 989.3 | 1084.3 | 1174.2 | 1307.2 | 1424.8 | 1462.1 | 1415.3 | 1407.3 | 1864.7 |
| 77.5° | 562.6 | 569.9 | 629.1 | 724.8 | 818.4 | 998.8 | 1240.0 | 1426.3 | 1529.3 | 1492.8 | 1411.7 |
| 80° | 236.7 | 247.0 | 282.0 | 306.9 | 384.3 | 535.6 | 773.8 | 1066.1 | 1337.9 | 1505.2 | 1467.2 |
| 82.5° | 76.0 | 88.4 | 104.5 | 126.4 | 149.1 | 199.5 | 309.1 | 462.5 | 730.7 | 1089.4 | 1339.3 |
| 85° | 27.8 | 28.5 | 39.5 | 54.8 | 60.6 | 70.1 | 89.9 | 138.8 | 247.0 | 408.5 | 759.9 |
| 87.5° | 11.0 | 13.2 | 15.3 | 21.2 | 21.9 | 22.7 | 25.6 | 32.9 | 32.1 | 27.8 | 143.9 |
| 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: CNC-E04-LED-E1-T3-7030

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1174.2 | 1174.2 | 1174.2 | 1174.2 | 1174.2 | 1174.2 | 1174.2 | 1174.2 | 1174.2 | 1174.2 | 1174.2 |
| 2.5° | 1172.7 | 1174.2 | 1173.5 | 1174.2 | 1174.2 | 1172.7 | 1172.7 | 1175.7 | 1173.5 | 1174.9 | 1174.9 |
| 5° | 1172.0 | 1173.5 | 1172.7 | 1174.2 | 1174.2 | 1173.5 | 1173.5 | 1177.9 | 1177.1 | 1179.3 | 1180.8 |
| 7.5° | 1174.9 | 1175.7 | 1174.9 | 1174.9 | 1177.1 | 1176.4 | 1177.1 | 1178.6 | 1182.2 | 1185.9 | 1188.8 |
| 10° | 1178.6 | 1180.0 | 1182.2 | 1183.0 | 1185.9 | 1185.2 | 1187.4 | 1189.5 | 1193.2 | 1196.9 | 1200.5 |
| 12.5° | 1183.7 | 1188.1 | 1194.7 | 1196.1 | 1199.0 | 1201.2 | 1204.9 | 1207.1 | 1210.0 | 1215.9 | 1220.2 |
| 15° | 1188.1 | 1196.1 | 1204.2 | 1207.1 | 1210.0 | 1212.9 | 1216.6 | 1218.8 | 1223.9 | 1229.0 | 1234.1 |
| 17.5° | 1189.5 | 1199.0 | 1209.3 | 1212.9 | 1215.9 | 1221.0 | 1225.4 | 1229.7 | 1235.6 | 1242.2 | 1248.0 |
| 20° | 1190.3 | 1203.4 | 1216.6 | 1221.0 | 1227.5 | 1234.8 | 1242.2 | 1245.8 | 1253.8 | 1261.9 | 1267.0 |
| 22.5° | 1196.9 | 1212.9 | 1231.2 | 1239.2 | 1245.8 | 1259.0 | 1268.5 | 1274.3 | 1283.8 | 1290.4 | 1292.6 |
| 25° | 1215.1 | 1231.9 | 1253.8 | 1266.3 | 1277.2 | 1296.2 | 1307.9 | 1318.9 | 1324.0 | 1332.8 | 1330.6 |
| 27.5° | 1248.0 | 1261.2 | 1289.7 | 1306.5 | 1320.3 | 1345.2 | 1367.8 | 1378.1 | 1386.1 | 1390.5 | 1385.4 |
| 30° | 1304.3 | 1309.4 | 1340.8 | 1361.3 | 1384.6 | 1423.4 | 1448.2 | 1461.4 | 1471.6 | 1472.3 | 1459.2 |
| 32.5° | 1388.3 | 1380.3 | 1408.0 | 1437.2 | 1467.9 | 1514.7 | 1548.3 | 1562.2 | 1570.2 | 1571.0 | 1541.7 |
| 35° | 1502.3 | 1488.4 | 1511.8 | 1540.3 | 1578.3 | 1639.6 | 1682.0 | 1698.1 | 1710.5 | 1704.7 | 1661.6 |
| 37.5° | 1646.2 | 1645.5 | 1656.5 | 1693.0 | 1736.1 | 1815.0 | 1859.6 | 1868.3 | 1867.6 | 1850.1 | 1785.1 |
| 40° | 1806.2 | 1793.1 | 1794.6 | 1820.9 | 1870.5 | 1974.3 | 2036.4 | 2051.0 | 2045.9 | 2020.3 | 1935.6 |
| 42.5° | 2007.9 | 2002.1 | 1982.3 | 1996.2 | 2042.3 | 2168.7 | 2243.9 | 2258.5 | 2262.9 | 2220.5 | 2120.4 |
| 45° | 2290.7 | 2285.6 | 2241.7 | 2244.6 | 2278.3 | 2411.2 | 2489.4 | 2513.5 | 2514.3 | 2474.1 | 2344.0 |
| 47.5° | 2633.4 | 2629.0 | 2577.8 | 2563.2 | 2580.0 | 2698.4 | 2795.6 | 2800.7 | 2802.2 | 2746.6 | 2611.5 |
| 50° | 3022.1 | 3009.7 | 2970.9 | 2955.6 | 2935.9 | 3066.7 | 3144.8 | 3144.1 | 3136.1 | 3074.7 | 2922.7 |
| 52.5° | 3397.7 | 3425.4 | 3410.8 | 3380.9 | 3381.6 | 3475.8 | 3549.6 | 3508.7 | 3513.8 | 3455.4 | 3280.8 |
| 55° | 3798.8 | 3869.7 | 3923.0 | 3934.0 | 3928.9 | 3977.1 | 4018.0 | 3944.9 | 3917.9 | 3908.4 | 3722.8 |
| 57.5° | 4224.8 | 4406.0 | 4570.4 | 4639.1 | 4612.8 | 4701.2 | 4737.7 | 4661.7 | 4663.2 | 4737.7 | 4577.7 |
| 60° | 4794.0 | 5251.4 | 5665.7 | 5794.3 | 5854.2 | 6000.3 | 5935.3 | 5930.9 | 6045.6 | 6142.1 | 5845.4 |
| 62.5° | 5657.7 | 6415.4 | 7076.6 | 7172.4 | 7220.6 | 7253.5 | 7224.2 | 7144.6 | 7263.0 | 7274.7 | 6817.2 |
| 65° | 6312.3 | 7201.6 | 7840.9 | 7960.8 | 7952.0 | 7784.7 | 7622.5 | 7463.2 | 7461.7 | 7344.8 | 6755.9 |
| 66° | 6383.2 | 7276.1 | 7899.4 | 8005.3 | 7966.6 | 7708.7 | 7502.6 | 7295.8 | 7229.4 | 7054.0 | 6456.3 |
| 67.5° | 6228.3 | 7146.1 | 7764.9 | 7859.9 | 7777.4 | 7385.0 | 7104.4 | 6824.6 | 6724.5 | 6480.4 | 5871.0 |
| 70° | 5324.5 | 6270.0 | 7097.8 | 7235.2 | 7137.3 | 6616.3 | 6200.6 | 5892.9 | 5620.4 | 5380.0 | 4877.3 |
| 72.5° | 4128.3 | 4835.6 | 5711.7 | 5854.9 | 5863.0 | 5455.3 | 4986.9 | 4691.7 | 4374.6 | 4133.5 | 3756.4 |
| 75° | 2707.9 | 3242.8 | 3724.3 | 3676.1 | 3689.9 | 3369.2 | 3090.0 | 2844.5 | 2557.4 | 2367.4 | 2187.7 |
| 77.5° | 1582.7 | 1774.1 | 1730.3 | 1610.4 | 1509.6 | 1186.6 | 849.1 | 583.1 | 508.6 | 530.5 | 598.4 |
| 80° | 1375.9 | 1268.5 | 993.0 | 873.2 | 794.2 | 539.2 | 290.1 | 204.6 | 179.7 | 181.9 | 192.9 |
| 82.5° | 1481.1 | 1536.6 | 1261.2 | 1038.3 | 905.3 | 635.0 | 341.2 | 170.2 | 122.8 | 143.2 | 157.8 |
| 85° | 1149.4 | 1462.8 | 1348.8 | 1139.9 | 958.7 | 675.1 | 348.5 | 108.1 | 73.1 | 97.9 | 123.5 |
| 87.5° | 327.3 | 518.1 | 414.3 | 366.1 | 295.2 | 201.7 | 83.3 | 43.1 | 39.5 | 51.1 | 70.9 |
| 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: CNC-E04-LED-E1-T3-7030

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1174.2 | 1174.2 | 1174.2 | 1174.2 | 1174.2 | 1174.2 | 1174.2 | 1174.2 | 1174.2 | 1174.2 | 1174.2 |
| 2.5° | 1175.7 | 1175.7 | 1177.9 | 1178.6 | 1179.3 | 1179.3 | 1180.8 | 1180.8 | 1181.5 | 1184.4 | 1183.7 |
| 5° | 1183.0 | 1185.2 | 1188.1 | 1189.5 | 1191.7 | 1192.5 | 1194.7 | 1194.7 | 1196.9 | 1199.0 | 1198.3 |
| 7.5° | 1191.7 | 1193.9 | 1196.1 | 1198.3 | 1200.5 | 1203.4 | 1202.7 | 1202.0 | 1201.2 | 1199.8 | 1198.3 |
| 10° | 1204.2 | 1206.4 | 1208.5 | 1207.8 | 1206.4 | 1204.9 | 1199.0 | 1192.5 | 1189.5 | 1183.7 | 1179.3 |
| 12.5° | 1224.6 | 1226.8 | 1224.6 | 1218.8 | 1210.7 | 1201.2 | 1188.8 | 1177.9 | 1171.3 | 1162.5 | 1157.4 |
| 15° | 1240.0 | 1242.2 | 1237.8 | 1227.5 | 1214.4 | 1202.0 | 1185.2 | 1171.3 | 1159.6 | 1150.1 | 1142.8 |
| 17.5° | 1251.7 | 1250.2 | 1240.7 | 1229.0 | 1215.1 | 1204.9 | 1189.5 | 1174.2 | 1160.3 | 1147.2 | 1136.9 |
| 20° | 1268.5 | 1260.4 | 1246.5 | 1231.9 | 1218.0 | 1209.3 | 1196.9 | 1183.0 | 1168.4 | 1149.4 | 1136.2 |
| 22.5° | 1290.4 | 1275.8 | 1257.5 | 1242.9 | 1229.7 | 1221.0 | 1208.5 | 1195.4 | 1181.5 | 1159.6 | 1141.3 |
| 25° | 1321.8 | 1298.4 | 1277.2 | 1261.9 | 1250.2 | 1241.4 | 1226.1 | 1212.2 | 1196.9 | 1174.9 | 1151.6 |
| 27.5° | 1365.6 | 1332.0 | 1310.1 | 1294.8 | 1283.1 | 1272.8 | 1253.1 | 1236.3 | 1216.6 | 1194.7 | 1166.9 |
| 30° | 1422.6 | 1381.7 | 1357.6 | 1344.5 | 1332.0 | 1317.4 | 1296.2 | 1271.4 | 1245.8 | 1216.6 | 1186.6 |
| 32.5° | 1493.5 | 1447.5 | 1424.8 | 1411.7 | 1395.6 | 1375.9 | 1348.1 | 1315.2 | 1277.2 | 1238.5 | 1201.2 |
| 35° | 1594.3 | 1541.7 | 1516.9 | 1494.2 | 1470.9 | 1441.6 | 1400.0 | 1352.5 | 1302.1 | 1251.7 | 1205.6 |
| 37.5° | 1694.4 | 1645.5 | 1614.8 | 1591.4 | 1554.9 | 1507.4 | 1449.7 | 1383.9 | 1316.7 | 1252.4 | 1196.9 |
| 40° | 1836.2 | 1779.2 | 1743.4 | 1701.8 | 1642.6 | 1568.8 | 1484.7 | 1396.3 | 1313.0 | 1235.6 | 1169.8 |
| 42.5° | 2010.1 | 1945.1 | 1891.7 | 1816.5 | 1724.4 | 1617.7 | 1501.5 | 1389.0 | 1287.5 | 1198.3 | 1126.0 |
| 45° | 2230.0 | 2145.3 | 2056.1 | 1937.8 | 1796.7 | 1647.7 | 1500.8 | 1363.4 | 1243.6 | 1142.8 | 1071.2 |
| 47.5° | 2486.5 | 2367.4 | 2217.6 | 2037.1 | 1844.2 | 1655.0 | 1477.4 | 1317.4 | 1177.9 | 1066.8 | 984.2 |
| 50° | 2750.3 | 2577.8 | 2365.2 | 2113.9 | 1868.3 | 1636.7 | 1425.6 | 1242.2 | 1091.6 | 965.2 | 876.1 |
| 52.5° | 3075.4 | 2808.0 | 2498.9 | 2165.7 | 1858.1 | 1582.7 | 1339.3 | 1136.2 | 975.5 | 852.0 | 749.7 |
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| 57.5° | 4103.5 | 3486.8 | 2843.1 | 2236.6 | 1723.7 | 1340.8 | 1049.3 | 830.8 | 672.2 | 576.5 | 502.7 |
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| 77.5° | 699.3 | 441.3 | 209.0 | 148.3 | 121.3 | 106.7 | 100.1 | 98.6 | 100.1 | 100.1 | 100.1 |
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