

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: P200342

Luminaire Tested: **GPC-AF-02-LED-E1-T2R-7050-800**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200342
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24657)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GPC-AF-02-LED-E1-T2R-7050-800
Description: GALLEON PEDESTRIAN LUMINAIRE
(2) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10456 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short - Full Cutoff
BUG Rating: B1 - U0 - G2

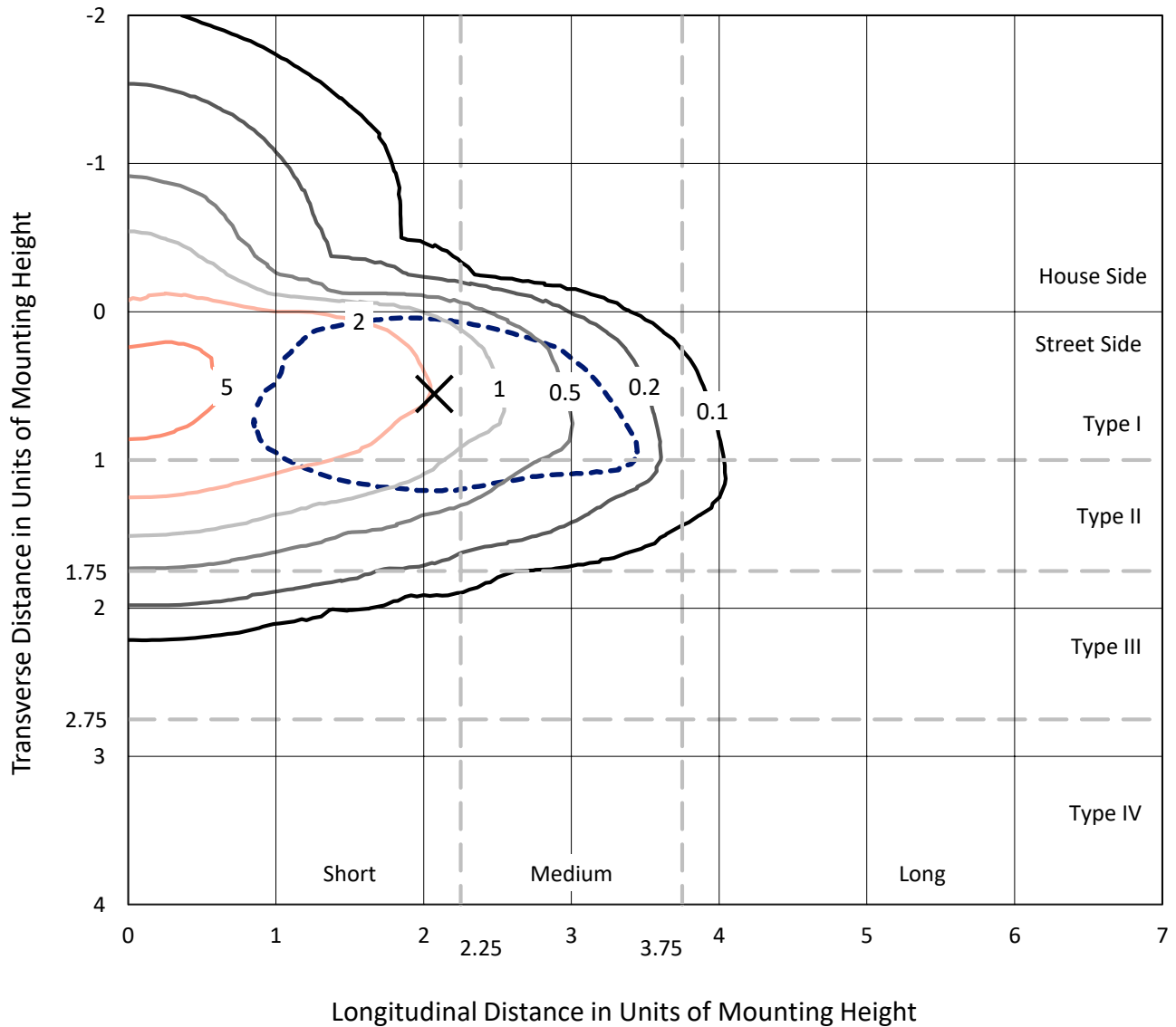
Input Watts (W): 86
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

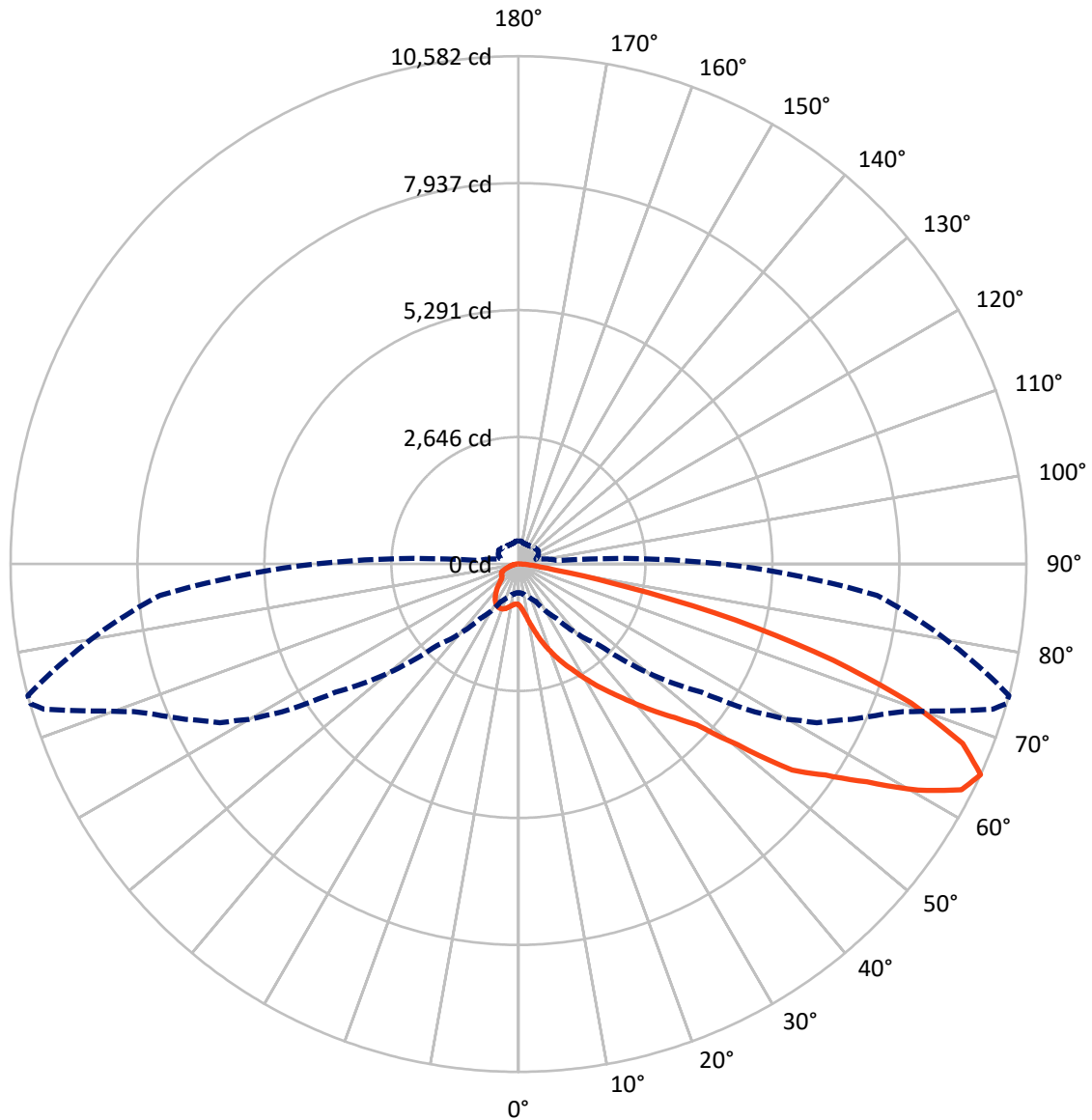
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.6 fc
 Type II - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 1612.1 | 0.0 | 1612.1 |
| | % Fixture | 15.4 | 0.0 | 15.4 |
| Street Side | Lumens | 8843.9 | 0.0 | 8843.9 |
| | % Fixture | 84.6 | 0.0 | 84.6 |
| Total | Lumens | 10456.0 | 0.0 | 10456.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 105.0 | 1.0 |
| 10°-20° | 410.4 | 3.9 |
| 20°-30° | 842.0 | 8.1 |
| 30°-40° | 1416.6 | 13.5 |
| 40°-50° | 1957.3 | 18.7 |
| 50°-60° | 2443.3 | 23.4 |
| 60°-70° | 2198.7 | 21.0 |
| 70°-80° | 921.7 | 8.8 |
| 80°-90° | 161.0 | 1.5 |
| 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° | 10456.0 | 100.0 |
| 0°-180° | 10456.0 | 100.0 |

Coefficient of Utilization



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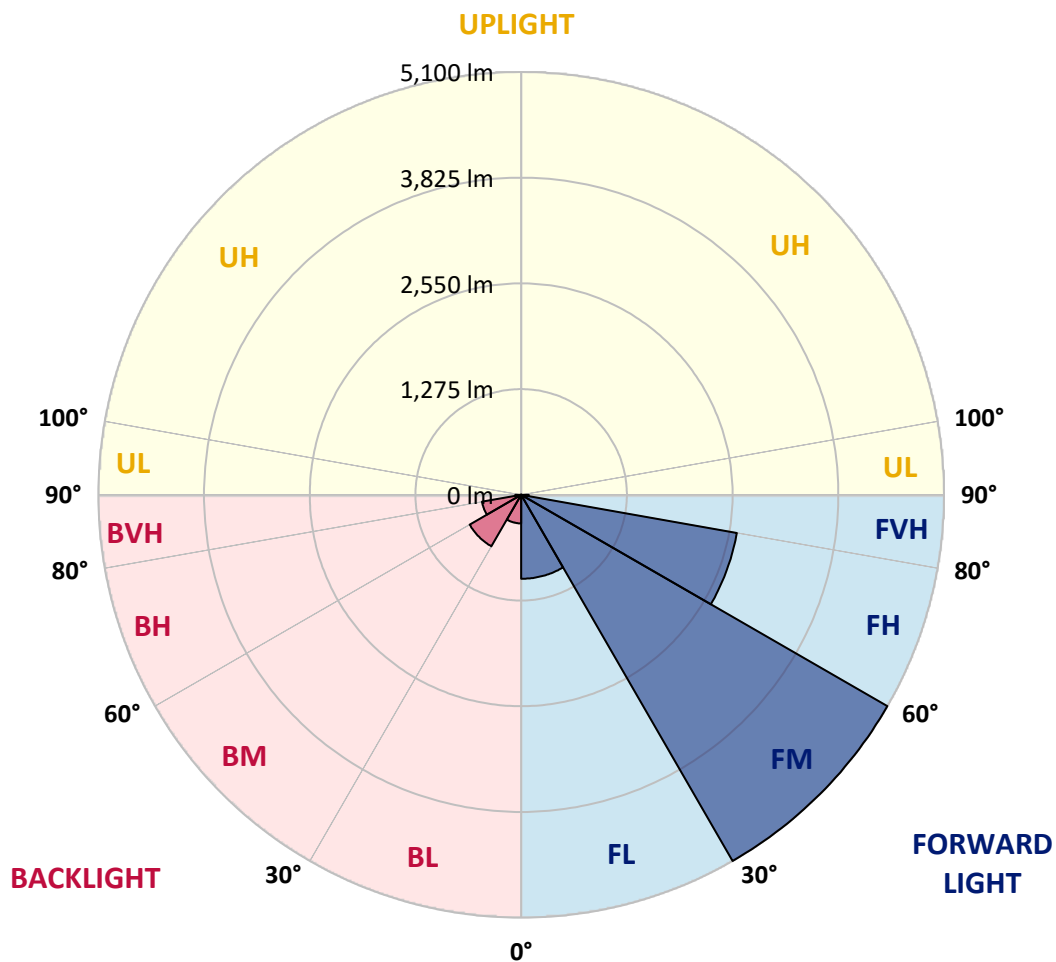
CATALOG NUMBER: GPC-AF-02-LED-E1-T2R-7050-800

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1012.6 | 9.7 | | | |
| FM (30°-60°) | 5099.6 | 48.8 | | | |
| FH (60°-80°) | 2641.1 | 25.3 | | | G2/5000 |
| FVH (80°-90°) | 90.5 | 0.9 | | | G1/100 |
| BL (0°-30°) | 344.8 | 3.3 | B1/500 | | |
| BM (30°-60°) | 717.6 | 6.9 | B1/1000 | | |
| BH (60°-80°) | 479.3 | 4.6 | B1/500 | | G1/500 |
| BVH (80°-90°) | 70.5 | 0.7 | | | 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 II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 56° | 57° | 58° | 59° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 849.8 | 849.8 | 849.8 | 849.8 | 849.8 | 849.8 | 849.8 | 849.8 | 849.8 | 849.8 | 849.8 |
| 2.5° | 1078.9 | 1067.0 | 1070.0 | 1050.2 | 1025.9 | 994.3 | 959.1 | 958.6 | 959.1 | 955.7 | 942.8 |
| 5° | 1496.1 | 1481.7 | 1476.3 | 1431.8 | 1366.4 | 1273.4 | 1172.4 | 1161.5 | 1157.1 | 1145.7 | 1119.5 |
| 7.5° | 1800.5 | 1792.5 | 1784.1 | 1750.5 | 1691.1 | 1587.2 | 1451.6 | 1428.3 | 1406.0 | 1400.6 | 1370.9 |
| 10° | 1996.9 | 1995.0 | 1977.1 | 1968.2 | 1931.1 | 1841.0 | 1708.9 | 1686.6 | 1662.4 | 1654.0 | 1622.8 |
| 12.5° | 2152.3 | 2151.8 | 2143.4 | 2145.9 | 2113.7 | 2048.4 | 1934.6 | 1914.3 | 1896.5 | 1870.7 | 1848.5 |
| 15° | 2259.7 | 2260.2 | 2272.6 | 2286.5 | 2281.5 | 2237.5 | 2130.6 | 2121.7 | 2106.3 | 2088.5 | 2062.3 |
| 17.5° | 2347.8 | 2350.3 | 2363.2 | 2388.4 | 2415.6 | 2412.2 | 2327.5 | 2320.1 | 2306.7 | 2282.5 | 2268.6 |
| 20° | 2546.8 | 2556.2 | 2531.4 | 2531.4 | 2534.4 | 2547.8 | 2507.2 | 2501.2 | 2482.4 | 2469.6 | 2458.7 |
| 22.5° | 2882.8 | 2893.7 | 2837.8 | 2780.9 | 2724.9 | 2684.4 | 2643.8 | 2651.2 | 2638.3 | 2629.4 | 2623.0 |
| 25° | 3319.3 | 3327.7 | 3237.2 | 3141.2 | 3027.3 | 2878.9 | 2778.4 | 2773.9 | 2767.0 | 2761.6 | 2758.6 |
| 27.5° | 3730.1 | 3733.6 | 3647.9 | 3507.4 | 3375.2 | 3161.9 | 2915.0 | 2909.5 | 2901.1 | 2890.7 | 2881.8 |
| 30° | 4081.5 | 4080.5 | 3992.4 | 3858.3 | 3716.7 | 3480.7 | 3122.3 | 3105.5 | 3080.8 | 3052.6 | 3030.8 |
| 32.5° | 4385.8 | 4384.4 | 4287.8 | 4148.8 | 4000.3 | 3796.4 | 3406.4 | 3371.8 | 3333.2 | 3278.2 | 3245.1 |
| 35° | 4625.4 | 4624.4 | 4533.3 | 4388.3 | 4218.1 | 4093.8 | 3732.1 | 3689.5 | 3640.5 | 3566.8 | 3515.8 |
| 37.5° | 4715.9 | 4715.9 | 4665.0 | 4566.0 | 4415.5 | 4330.4 | 4093.8 | 4042.4 | 3989.9 | 3906.3 | 3848.9 |
| 40° | 4663.0 | 4664.0 | 4674.9 | 4656.6 | 4583.3 | 4518.0 | 4431.4 | 4400.7 | 4355.6 | 4280.4 | 4220.5 |
| 42.5° | 4485.3 | 4490.8 | 4563.0 | 4651.6 | 4688.2 | 4677.8 | 4730.8 | 4716.9 | 4685.3 | 4627.4 | 4579.8 |
| 45° | 4260.1 | 4277.0 | 4356.1 | 4523.4 | 4717.4 | 4815.9 | 4981.7 | 4983.2 | 4977.2 | 4946.1 | 4909.4 |
| 47.5° | 3950.8 | 3974.6 | 4079.0 | 4305.2 | 4649.1 | 4950.0 | 5236.6 | 5249.9 | 5262.3 | 5242.0 | 5225.2 |
| 50° | 3540.0 | 3568.3 | 3724.6 | 4024.6 | 4510.1 | 5089.1 | 5718.1 | 5778.5 | 5834.9 | 5828.0 | 5839.4 |
| 52.5° | 3100.1 | 3133.2 | 3324.8 | 3658.8 | 4271.0 | 5121.3 | 6025.9 | 6124.4 | 6222.9 | 6303.6 | 6389.2 |
| 55° | 2703.2 | 2685.3 | 2876.9 | 3228.8 | 3878.1 | 4976.3 | 6302.6 | 6421.4 | 6531.2 | 6630.2 | 6732.2 |
| 57.5° | 2165.2 | 2194.4 | 2386.4 | 2734.3 | 3357.9 | 4567.0 | 6493.1 | 6666.9 | 6824.7 | 6988.5 | 7133.1 |
| 60° | 1582.7 | 1611.9 | 1820.3 | 2173.6 | 2793.2 | 3946.4 | 6347.6 | 6610.9 | 6863.8 | 7114.7 | 7310.7 |
| 62.5° | 955.7 | 977.4 | 1161.0 | 1497.6 | 2153.8 | 3210.4 | 5699.3 | 6044.8 | 6416.9 | 6716.8 | 7017.2 |
| 65° | 594.9 | 607.2 | 675.0 | 860.1 | 1383.3 | 2396.8 | 4656.6 | 5033.2 | 5434.0 | 5814.6 | 6126.9 |
| 67.5° | 487.0 | 491.4 | 503.8 | 543.4 | 759.7 | 1562.9 | 3465.8 | 3799.4 | 4161.2 | 4529.4 | 4876.8 |
| 70° | 438.0 | 435.0 | 435.0 | 437.5 | 487.0 | 840.3 | 2269.1 | 2486.4 | 2787.8 | 3108.0 | 3425.7 |
| 72.5° | 395.4 | 392.5 | 387.0 | 379.6 | 397.4 | 512.7 | 1172.9 | 1336.7 | 1554.0 | 1838.6 | 2142.9 |
| 75° | 355.3 | 351.4 | 344.9 | 335.5 | 347.9 | 387.0 | 563.2 | 632.0 | 737.9 | 889.3 | 1059.1 |
| 77.5° | 313.8 | 308.8 | 302.9 | 296.0 | 311.8 | 300.9 | 330.1 | 354.8 | 395.4 | 443.9 | 507.8 |
| 80° | 266.8 | 262.3 | 260.3 | 256.9 | 275.7 | 229.1 | 233.1 | 248.4 | 272.2 | 298.4 | 328.1 |
| 82.5° | 208.8 | 208.8 | 216.8 | 218.3 | 239.0 | 164.8 | 174.2 | 187.6 | 199.9 | 213.8 | 227.7 |
| 85° | 137.6 | 138.6 | 165.3 | 175.7 | 188.6 | 110.9 | 130.7 | 135.1 | 145.0 | 152.9 | 158.9 |
| 87.5° | 43.1 | 46.5 | 101.0 | 111.8 | 108.4 | 62.9 | 80.2 | 82.2 | 89.1 | 94.5 | 99.5 |
| 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):

| | 60° | 61° | 62° | 63° | 64° | 65° | 66° | 67° | 68° | 69° | 70° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 849.8 | 849.8 | 849.8 | 849.8 | 849.8 | 849.8 | 849.8 | 849.8 | 849.8 | 849.8 | 849.8 |
| 2.5° | 942.8 | 936.9 | 931.4 | 930.9 | 927.0 | 921.5 | 923.5 | 915.1 | 915.6 | 911.1 | 906.2 |
| 5° | 1108.6 | 1104.6 | 1084.8 | 1079.4 | 1064.5 | 1055.1 | 1053.7 | 1033.9 | 1031.4 | 1020.0 | 1007.6 |
| 7.5° | 1347.1 | 1334.3 | 1306.5 | 1293.2 | 1267.9 | 1249.1 | 1240.2 | 1214.0 | 1201.1 | 1171.4 | 1158.1 |
| 10° | 1597.1 | 1580.7 | 1546.6 | 1527.8 | 1503.5 | 1473.3 | 1457.0 | 1418.9 | 1404.0 | 1376.8 | 1344.2 |
| 12.5° | 1828.7 | 1812.3 | 1777.2 | 1762.8 | 1730.7 | 1698.5 | 1680.7 | 1637.6 | 1618.3 | 1574.8 | 1549.0 |
| 15° | 2043.0 | 2026.6 | 1995.9 | 1981.1 | 1948.9 | 1922.7 | 1898.9 | 1856.4 | 1833.6 | 1793.0 | 1759.4 |
| 17.5° | 2250.8 | 2233.5 | 2206.8 | 2193.4 | 2162.2 | 2135.5 | 2109.8 | 2069.7 | 2046.4 | 2005.8 | 1975.7 |
| 20° | 2443.8 | 2431.0 | 2411.7 | 2393.9 | 2362.7 | 2338.4 | 2307.7 | 2273.1 | 2239.4 | 2209.7 | 2181.0 |
| 22.5° | 2612.1 | 2607.2 | 2586.4 | 2578.4 | 2551.7 | 2530.9 | 2504.2 | 2470.1 | 2445.8 | 2408.2 | 2381.5 |
| 25° | 2757.1 | 2755.6 | 2745.7 | 2743.3 | 2724.4 | 2704.6 | 2698.7 | 2670.5 | 2648.2 | 2615.1 | 2587.4 |
| 27.5° | 2881.8 | 2883.3 | 2880.8 | 2887.8 | 2882.8 | 2873.9 | 2874.4 | 2865.0 | 2852.1 | 2824.4 | 2800.2 |
| 30° | 3020.4 | 3012.5 | 3016.9 | 3026.8 | 3029.8 | 3030.8 | 3047.1 | 3052.6 | 3051.6 | 3033.3 | 3021.4 |
| 32.5° | 3216.4 | 3197.6 | 3180.3 | 3178.8 | 3188.7 | 3192.6 | 3220.3 | 3234.7 | 3247.1 | 3251.5 | 3253.5 |
| 35° | 3466.3 | 3428.7 | 3392.6 | 3373.3 | 3356.4 | 3360.9 | 3380.7 | 3403.9 | 3431.2 | 3450.0 | 3472.2 |
| 37.5° | 3781.1 | 3735.0 | 3671.2 | 3625.7 | 3614.3 | 3589.5 | 3602.4 | 3620.7 | 3647.4 | 3676.6 | 3715.2 |
| 40° | 4162.6 | 4092.9 | 4021.1 | 3960.7 | 3928.1 | 3882.5 | 3882.0 | 3878.6 | 3894.9 | 3922.1 | 3976.6 |
| 42.5° | 4529.9 | 4468.0 | 4391.8 | 4328.4 | 4285.9 | 4225.0 | 4212.6 | 4180.5 | 4187.9 | 4211.6 | 4264.6 |
| 45° | 4873.8 | 4822.8 | 4776.3 | 4703.1 | 4666.9 | 4601.1 | 4580.3 | 4542.2 | 4520.9 | 4531.8 | 4584.8 |
| 47.5° | 5206.9 | 5174.2 | 5125.7 | 5078.2 | 5050.5 | 4991.6 | 4964.9 | 4937.7 | 4910.4 | 4909.4 | 4964.9 |
| 50° | 5856.2 | 5838.9 | 5781.5 | 5732.0 | 5745.3 | 5673.1 | 5677.5 | 5604.3 | 5637.5 | 5641.4 | 5757.7 |
| 52.5° | 6466.4 | 6526.8 | 6569.4 | 6621.3 | 6655.0 | 6661.4 | 6683.7 | 6716.8 | 6756.9 | 6836.1 | 6944.0 |
| 55° | 6815.8 | 6891.5 | 6935.6 | 6975.2 | 7040.5 | 7054.4 | 7091.5 | 7135.5 | 7170.7 | 7259.7 | 7351.3 |
| 57.5° | 7231.0 | 7371.6 | 7439.9 | 7502.7 | 7590.8 | 7624.5 | 7686.4 | 7734.4 | 7779.9 | 7885.3 | 7996.2 |
| 60° | 7486.9 | 7658.1 | 7797.2 | 7896.7 | 8007.1 | 8086.2 | 8179.8 | 8255.0 | 8361.9 | 8488.1 | 8653.4 |
| 62.5° | 7283.5 | 7534.9 | 7719.5 | 7890.3 | 8040.2 | 8191.6 | 8325.8 | 8466.3 | 8628.6 | 8819.7 | 9076.0 |
| 65° | 6473.3 | 6729.2 | 7045.5 | 7222.6 | 7421.1 | 7654.7 | 7858.6 | 8086.2 | 8307.5 | 8585.6 | 8964.7 |
| 67.5° | 5211.3 | 5508.8 | 5864.1 | 6042.8 | 6270.9 | 6531.7 | 6760.4 | 7038.5 | 7296.9 | 7633.9 | 8102.6 |
| 70° | 3756.3 | 4140.9 | 4439.8 | 4626.4 | 4892.6 | 5161.4 | 5382.1 | 5705.7 | 5919.5 | 6265.0 | 6749.5 |
| 72.5° | 2378.5 | 2681.9 | 3048.1 | 3283.2 | 3519.8 | 3792.0 | 4017.6 | 4296.8 | 4496.2 | 4811.0 | 5249.9 |
| 75° | 1278.8 | 1502.5 | 1824.2 | 2047.4 | 2300.8 | 2533.4 | 2797.7 | 2984.8 | 3132.2 | 3381.2 | 3737.5 |
| 77.5° | 599.3 | 735.4 | 898.3 | 1070.0 | 1241.7 | 1420.9 | 1595.1 | 1746.5 | 1809.9 | 1952.4 | 2162.7 |
| 80° | 363.8 | 407.8 | 455.3 | 508.3 | 580.0 | 637.9 | 714.6 | 770.1 | 774.0 | 819.1 | 883.4 |
| 82.5° | 243.0 | 259.3 | 273.7 | 287.0 | 305.4 | 319.7 | 336.0 | 355.3 | 363.3 | 373.7 | 394.4 |
| 85° | 165.8 | 173.7 | 176.7 | 185.1 | 183.1 | 188.1 | 194.5 | 200.9 | 204.4 | 203.9 | 213.3 |
| 87.5° | 102.0 | 105.9 | 107.9 | 109.9 | 108.4 | 106.4 | 109.4 | 112.8 | 113.8 | 110.9 | 111.8 |
| 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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CANDELA DISTRIBUTION (continued):

| | 71° | 72° | 73° | 74° | 75° | 85° | 90° | 95° | 105° | 115° | 125° |
|-------|--------|--------|---------|---------|---------|--------|--------|--------|-------|-------|-------|
| 0° | 849.8 | 849.8 | 849.8 | 849.8 | 849.8 | 849.8 | 849.8 | 849.8 | 849.8 | 849.8 | 849.8 |
| 2.5° | 907.2 | 902.7 | 898.3 | 895.3 | 894.3 | 868.1 | 856.7 | 849.3 | 833.4 | 820.6 | 810.2 |
| 5° | 1000.7 | 991.3 | 983.9 | 975.0 | 970.0 | 903.7 | 879.4 | 862.6 | 834.9 | 818.6 | 803.7 |
| 7.5° | 1151.1 | 1124.9 | 1109.6 | 1092.3 | 1077.4 | 957.6 | 917.6 | 891.3 | 852.7 | 830.9 | 814.1 |
| 10° | 1321.9 | 1294.7 | 1270.4 | 1243.7 | 1220.4 | 1029.4 | 971.0 | 930.4 | 879.4 | 851.2 | 829.0 |
| 12.5° | 1512.4 | 1485.7 | 1455.0 | 1420.9 | 1391.2 | 1120.5 | 1039.3 | 981.4 | 911.6 | 874.0 | 842.8 |
| 15° | 1737.6 | 1690.6 | 1653.5 | 1613.9 | 1579.2 | 1229.3 | 1119.0 | 1038.8 | 945.8 | 894.8 | 853.2 |
| 17.5° | 1947.0 | 1897.5 | 1847.0 | 1812.3 | 1772.3 | 1351.6 | 1199.2 | 1097.2 | 974.0 | 908.1 | 855.2 |
| 20° | 2151.3 | 2097.4 | 2053.9 | 2007.3 | 1965.3 | 1478.3 | 1284.8 | 1148.7 | 992.3 | 908.6 | 842.8 |
| 22.5° | 2331.5 | 2297.8 | 2249.3 | 2198.9 | 2156.3 | 1605.0 | 1364.9 | 1192.2 | 999.2 | 897.3 | 821.0 |
| 25° | 2536.4 | 2500.7 | 2441.4 | 2398.8 | 2351.3 | 1734.1 | 1443.6 | 1225.9 | 995.3 | 876.0 | 787.4 |
| 27.5° | 2755.1 | 2715.5 | 2654.7 | 2610.1 | 2552.7 | 1868.3 | 1515.9 | 1250.1 | 980.4 | 841.3 | 742.4 |
| 30° | 2983.3 | 2947.2 | 2887.3 | 2842.2 | 2784.3 | 2010.3 | 1596.6 | 1266.5 | 950.7 | 793.3 | 689.9 |
| 32.5° | 3228.3 | 3198.1 | 3138.7 | 3091.7 | 3029.8 | 2164.2 | 1671.8 | 1271.4 | 905.7 | 736.4 | 634.5 |
| 35° | 3460.9 | 3440.1 | 3390.1 | 3346.0 | 3281.7 | 2309.7 | 1751.5 | 1268.9 | 852.2 | 674.1 | 584.0 |
| 37.5° | 3722.7 | 3710.3 | 3685.5 | 3629.6 | 3550.9 | 2507.2 | 1847.0 | 1258.5 | 786.9 | 612.2 | 545.4 |
| 40° | 4001.8 | 4002.8 | 3976.1 | 3938.0 | 3864.7 | 2746.7 | 1960.8 | 1238.2 | 715.6 | 557.8 | 510.2 |
| 42.5° | 4297.3 | 4312.6 | 4299.7 | 4272.5 | 4202.2 | 2988.2 | 2096.9 | 1213.5 | 646.3 | 504.8 | 475.6 |
| 45° | 4635.8 | 4654.6 | 4674.4 | 4634.3 | 4566.0 | 3306.9 | 2276.1 | 1181.3 | 571.6 | 460.8 | 451.8 |
| 47.5° | 5026.2 | 5055.9 | 5073.8 | 5074.2 | 5006.0 | 3701.9 | 2567.1 | 1162.0 | 505.3 | 431.1 | 440.5 |
| 50° | 5850.3 | 5859.7 | 5901.7 | 5975.0 | 5922.5 | 4616.0 | 3075.3 | 1150.2 | 460.3 | 412.7 | 432.1 |
| 52.5° | 7037.5 | 7141.0 | 7213.7 | 7208.8 | 7137.5 | 5196.5 | 3355.4 | 1088.8 | 433.5 | 405.8 | 428.1 |
| 55° | 7521.1 | 7650.2 | 7784.8 | 7820.5 | 7765.0 | 5691.9 | 3620.2 | 1027.4 | 420.7 | 410.8 | 429.6 |
| 57.5° | 8165.4 | 8383.2 | 8567.8 | 8645.5 | 8565.3 | 6325.9 | 3968.6 | 995.3 | 416.7 | 424.1 | 439.0 |
| 60° | 8918.2 | 9187.4 | 9429.9 | 9569.5 | 9569.5 | 7054.4 | 4329.9 | 981.9 | 411.3 | 443.9 | 454.8 |
| 62.5° | 9401.7 | 9797.1 | 10163.3 | 10367.7 | 10361.8 | 7561.6 | 4490.3 | 936.4 | 398.9 | 457.8 | 476.6 |
| 65° | 9403.7 | 9873.8 | 10340.5 | 10570.2 | 10582.0 | 7499.3 | 4225.5 | 827.0 | 376.1 | 459.8 | 498.4 |
| 67.5° | 8619.7 | 9121.1 | 9665.0 | 9921.8 | 9981.2 | 6903.4 | 3657.8 | 680.0 | 339.0 | 440.0 | 506.3 |
| 70° | 7280.0 | 7769.5 | 8324.8 | 8577.2 | 8682.6 | 5884.9 | 2946.2 | 524.1 | 291.5 | 396.4 | 490.0 |
| 72.5° | 5735.4 | 6215.5 | 6602.0 | 6786.6 | 6868.8 | 4498.2 | 2145.4 | 395.9 | 239.0 | 334.1 | 445.9 |
| 75° | 4060.7 | 4421.0 | 4626.4 | 4667.4 | 4680.3 | 2711.6 | 1303.6 | 294.5 | 197.0 | 259.8 | 376.6 |
| 77.5° | 2291.9 | 2446.3 | 2429.5 | 2447.8 | 2295.4 | 1046.7 | 567.7 | 210.8 | 162.3 | 197.5 | 292.0 |
| 80° | 894.8 | 922.5 | 866.6 | 849.3 | 779.0 | 389.5 | 250.4 | 147.0 | 129.7 | 149.5 | 204.4 |
| 82.5° | 394.4 | 407.3 | 395.4 | 398.4 | 381.1 | 200.9 | 150.0 | 106.4 | 99.0 | 109.4 | 135.6 |
| 85° | 217.3 | 221.2 | 220.2 | 226.7 | 217.3 | 80.2 | 71.3 | 65.3 | 69.3 | 74.2 | 87.1 |
| 87.5° | 105.9 | 106.9 | 103.4 | 108.9 | 105.4 | 40.6 | 35.1 | 37.1 | 40.6 | 41.6 | 41.6 |
| 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: P200342

CATALOG NUMBER: GPC-AF-02-LED-E1-T2R-7050-800

CANDELA DISTRIBUTION (continued):

| | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|
| 0° | 849.8 | 849.8 | 849.8 | 849.8 | 849.8 | 849.8 |
| 2.5° | 802.7 | 798.8 | 799.3 | 798.3 | 796.3 | 796.3 |
| 5° | 795.8 | 791.8 | 791.8 | 790.9 | 788.4 | 788.9 |
| 7.5° | 802.7 | 796.3 | 793.8 | 790.4 | 786.9 | 786.9 |
| 10° | 810.7 | 799.3 | 792.3 | 786.4 | 781.9 | 781.9 |
| 12.5° | 816.6 | 798.8 | 787.4 | 779.5 | 775.0 | 775.0 |
| 15° | 818.6 | 795.3 | 779.5 | 770.1 | 766.1 | 765.6 |
| 17.5° | 812.1 | 781.9 | 762.6 | 751.8 | 746.8 | 745.3 |
| 20° | 792.3 | 757.7 | 734.4 | 722.1 | 715.1 | 712.7 |
| 22.5° | 762.6 | 723.1 | 695.8 | 683.0 | 674.1 | 672.6 |
| 25° | 721.1 | 678.5 | 651.8 | 639.4 | 634.5 | 633.0 |
| 27.5° | 672.6 | 633.0 | 610.2 | 602.3 | 597.8 | 597.3 |
| 30° | 626.5 | 592.9 | 576.1 | 570.1 | 564.7 | 563.7 |
| 32.5° | 583.5 | 562.2 | 555.8 | 547.4 | 534.5 | 533.0 |
| 35° | 552.8 | 550.8 | 546.4 | 527.6 | 511.7 | 507.3 |
| 37.5° | 534.0 | 552.3 | 529.5 | 492.4 | 481.0 | 480.1 |
| 40° | 523.1 | 537.0 | 497.9 | 485.0 | 486.0 | 485.0 |
| 42.5° | 498.4 | 512.7 | 498.9 | 492.9 | 496.9 | 497.9 |
| 45° | 473.6 | 489.5 | 506.3 | 502.3 | 511.7 | 511.7 |
| 47.5° | 459.8 | 483.5 | 505.8 | 505.8 | 519.6 | 524.6 |
| 50° | 443.9 | 478.6 | 497.9 | 504.8 | 515.7 | 511.7 |
| 52.5° | 442.9 | 470.2 | 486.5 | 498.9 | 503.8 | 499.4 |
| 55° | 444.4 | 463.2 | 475.1 | 489.0 | 494.9 | 495.4 |
| 57.5° | 446.4 | 459.3 | 467.2 | 473.6 | 491.4 | 491.4 |
| 60° | 451.4 | 455.8 | 460.3 | 463.7 | 487.0 | 487.5 |
| 62.5° | 459.3 | 452.3 | 451.4 | 454.8 | 484.5 | 482.5 |
| 65° | 471.6 | 447.4 | 440.0 | 443.4 | 482.0 | 476.1 |
| 67.5° | 488.5 | 440.0 | 425.6 | 428.1 | 480.1 | 467.2 |
| 70° | 503.8 | 428.1 | 407.8 | 405.3 | 461.3 | 438.5 |
| 72.5° | 505.3 | 414.2 | 383.1 | 375.6 | 400.9 | 379.1 |
| 75° | 480.6 | 404.8 | 355.8 | 334.1 | 331.1 | 328.1 |
| 77.5° | 433.0 | 399.4 | 324.2 | 290.0 | 284.1 | 286.1 |
| 80° | 362.3 | 379.1 | 286.1 | 245.5 | 277.6 | 274.2 |
| 82.5° | 270.7 | 334.6 | 243.0 | 217.3 | 216.8 | 191.5 |
| 85° | 150.5 | 260.8 | 198.0 | 162.8 | 113.3 | 109.9 |
| 87.5° | 42.1 | 145.0 | 138.6 | 92.1 | 62.9 | 65.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)