

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: P200000

Luminaire Tested: **GWC-AF-02-LED-E1-SLL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200000
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24296)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-AF-02-LED-E1-SLL-7030
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10558.8 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G3

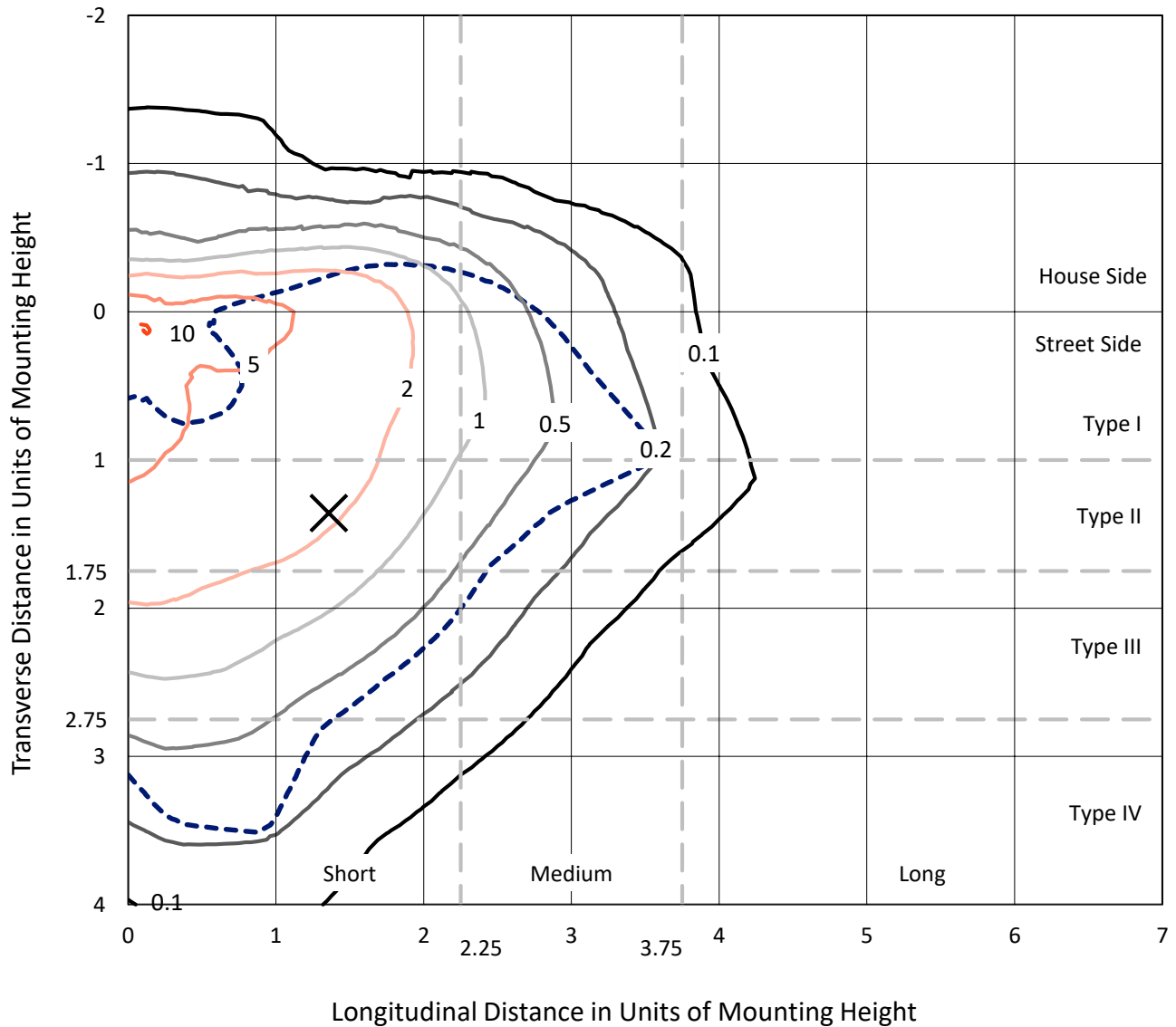
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P200000
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Iso-Footcandle Lines of Horizontal Illumination

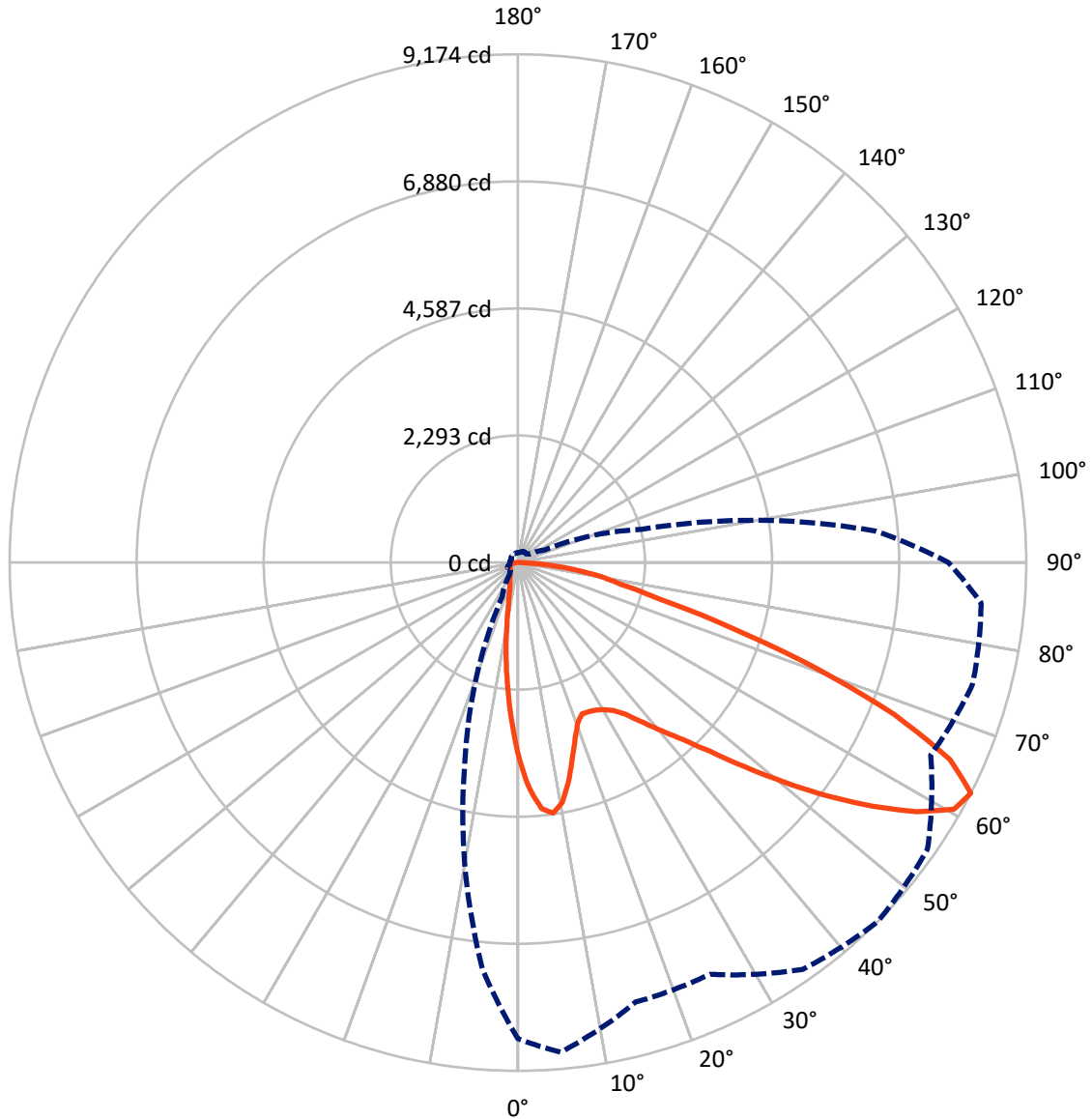
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.5 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 1747.3 | 0.0 | 1747.3 |
| | % Fixture | 16.5 | 0.0 | 16.5 |
| Street Side | Lumens | 8811.5 | 0.0 | 8811.5 |
| | % Fixture | 83.5 | 0.0 | 83.5 |
| Total | Lumens | 10558.8 | 0.0 | 10558.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 259.7 | 2.5 |
| 10°-20° | 476.2 | 4.5 |
| 20°-30° | 694.3 | 6.6 |
| 30°-40° | 1069.3 | 10.1 |
| 40°-50° | 1573.7 | 14.9 |
| 50°-60° | 2308.3 | 21.9 |
| 60°-70° | 2580.4 | 24.4 |
| 70°-80° | 1263.3 | 12.0 |
| 80°-90° | 333.6 | 3.2 |
| 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° | 10558.8 | 100.0 |
| 0°-180° | 10558.8 | 100.0 |

Coefficient of Utilization



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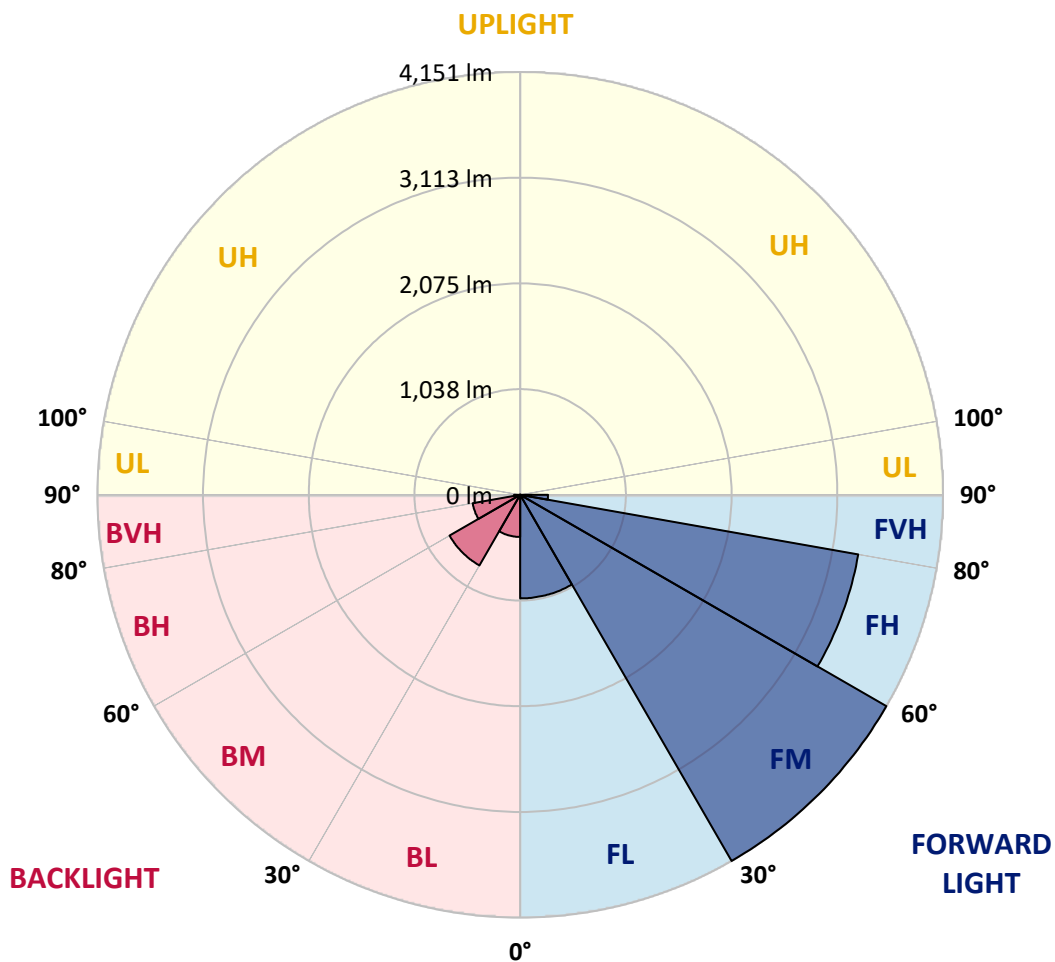
CATALOG NUMBER: GWC-AF-02-LED-E1-SLL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 1016.8 | 9.6 | | | |
| FM | (30°-60°) | 4150.8 | 39.3 | | | |
| FH | (60°-80°) | 3370.0 | 31.9 | | | G2/5000 |
| FVH | (80°-90°) | 273.9 | 2.6 | | | G3/500 |
| BL | (0°-30°) | 413.4 | 3.9 | B1/500 | | |
| BM | (30°-60°) | 800.6 | 7.6 | B1/1000 | | |
| BH | (60°-80°) | 473.7 | 4.5 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 59.6 | 0.6 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G3

Type IV Short





REPORT NUMBER: P200000
 CATALOG NUMBER: GWC-AF-02-LED-E1-SLL-7030

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3567.4 | 3567.4 | 3567.4 | 3567.4 | 3567.4 | 3567.4 | 3567.4 | 3567.4 | 3567.4 | 3567.4 | 3567.4 |
| 2.5° | 3706.6 | 3765.8 | 3881.3 | 3967.9 | 4072.8 | 4097.2 | 4131.0 | 4097.9 | 4039.2 | 3961.4 | 3935.9 |
| 5° | 3485.5 | 3612.0 | 3892.4 | 4139.1 | 4358.5 | 4460.6 | 4489.0 | 4404.9 | 4234.8 | 4011.4 | 3875.0 |
| 7.5° | 3130.9 | 3310.8 | 3690.3 | 4053.7 | 4377.0 | 4568.0 | 4563.3 | 4367.7 | 4054.9 | 3691.0 | 3472.2 |
| 10° | 2825.0 | 3030.5 | 3465.8 | 3872.0 | 4215.1 | 4400.3 | 4328.9 | 4078.6 | 3705.5 | 3286.4 | 3049.0 |
| 12.5° | 2653.7 | 2855.2 | 3296.9 | 3704.9 | 3991.7 | 4055.4 | 4001.0 | 3756.0 | 3404.2 | 2980.5 | 2772.7 |
| 15° | 2624.1 | 2845.3 | 3229.4 | 3561.6 | 3722.4 | 3666.6 | 3601.6 | 3491.9 | 3243.5 | 2881.8 | 2665.4 |
| 17.5° | 2752.5 | 2996.2 | 3306.7 | 3461.7 | 3434.4 | 3337.5 | 3318.9 | 3331.1 | 3271.3 | 2991.5 | 2742.0 |
| 20° | 2998.5 | 3291.0 | 3490.8 | 3414.7 | 3215.6 | 3082.1 | 3086.8 | 3273.1 | 3450.1 | 3269.6 | 2984.6 |
| 22.5° | 3343.9 | 3677.6 | 3756.0 | 3439.6 | 3123.2 | 2964.9 | 3003.2 | 3305.0 | 3735.0 | 3675.9 | 3311.9 |
| 25° | 3790.7 | 4094.9 | 4038.7 | 3530.1 | 3132.6 | 2979.4 | 3010.1 | 3415.2 | 4071.8 | 4082.2 | 3717.1 |
| 27.5° | 4223.9 | 4505.9 | 4276.1 | 3650.4 | 3170.9 | 3013.6 | 3054.3 | 3588.8 | 4393.4 | 4523.4 | 4180.3 |
| 30° | 4561.6 | 4757.8 | 4370.1 | 3760.0 | 3246.3 | 3080.3 | 3130.9 | 3753.6 | 4539.6 | 4821.1 | 4536.7 |
| 32.5° | 4841.4 | 4982.4 | 4519.8 | 3895.8 | 3385.1 | 3185.5 | 3274.2 | 3953.9 | 4750.3 | 5104.4 | 4885.5 |
| 35° | 5198.9 | 5239.0 | 4706.2 | 4047.4 | 3599.2 | 3368.3 | 3478.5 | 4150.1 | 4951.1 | 5390.6 | 5229.1 |
| 37.5° | 5618.0 | 5566.3 | 4882.0 | 4254.5 | 3876.1 | 3654.4 | 3745.5 | 4365.5 | 5116.5 | 5715.0 | 5580.3 |
| 40° | 6032.4 | 5908.2 | 5102.6 | 4576.1 | 4280.1 | 3991.7 | 4099.6 | 4595.3 | 5270.8 | 6040.0 | 5923.3 |
| 42.5° | 6384.8 | 6200.8 | 5320.3 | 4929.6 | 4656.2 | 4363.7 | 4492.5 | 4826.8 | 5418.3 | 6317.4 | 6221.1 |
| 45° | 6645.3 | 6416.7 | 5527.4 | 5269.1 | 5174.5 | 4858.2 | 4919.2 | 5092.1 | 5577.9 | 6549.0 | 6466.0 |
| 47.5° | 6878.1 | 6633.7 | 5761.9 | 5611.7 | 5627.8 | 5501.3 | 5403.2 | 5400.9 | 5766.0 | 6738.2 | 6697.6 |
| 50° | 7189.8 | 6935.0 | 6013.8 | 5964.6 | 6308.1 | 6224.0 | 6007.5 | 5761.3 | 6004.1 | 6953.0 | 6948.4 |
| 52.5° | 7619.3 | 7412.1 | 6321.5 | 6344.6 | 6943.1 | 6998.3 | 6730.2 | 6194.4 | 6376.6 | 7347.1 | 7319.3 |
| 55° | 8127.2 | 8006.5 | 6740.5 | 6781.7 | 7722.1 | 7761.6 | 7495.0 | 6736.0 | 6924.6 | 7917.7 | 7840.5 |
| 57.5° | 8523.7 | 8498.0 | 7200.3 | 7306.5 | 8303.7 | 8481.2 | 8236.3 | 7362.8 | 7542.1 | 8398.3 | 8204.4 |
| 60° | 8681.5 | 8805.2 | 7689.5 | 7835.8 | 8841.7 | 9038.5 | 8823.8 | 7913.6 | 8089.4 | 8597.4 | 8179.4 |
| 62.5° | 8596.2 | 8872.5 | 8210.9 | 8198.6 | 8961.9 | 9173.7 | 9022.8 | 8220.1 | 8495.2 | 8391.8 | 7765.6 |
| 65° | 8202.1 | 8630.5 | 8513.2 | 8105.2 | 8550.9 | 8568.3 | 8519.6 | 8083.1 | 8590.9 | 7742.4 | 6965.8 |
| 67.5° | 7343.7 | 7960.1 | 8115.0 | 7304.2 | 7442.3 | 7329.1 | 7247.2 | 7333.2 | 8091.8 | 6769.0 | 5854.2 |
| 70° | 5981.4 | 6908.9 | 6983.2 | 5842.1 | 5779.4 | 5703.4 | 5540.2 | 6012.1 | 7106.8 | 5547.7 | 4645.1 |
| 72.5° | 4397.9 | 5373.1 | 5601.1 | 4284.7 | 3994.5 | 4010.3 | 3881.3 | 4530.9 | 5778.1 | 4121.0 | 3468.1 |
| 75° | 3009.0 | 3890.6 | 4382.3 | 2989.8 | 2641.6 | 2647.9 | 2631.7 | 3210.4 | 4602.2 | 2866.8 | 2595.1 |
| 77.5° | 2198.1 | 2779.7 | 3305.0 | 2010.1 | 1951.4 | 1915.5 | 1906.7 | 2246.3 | 3528.4 | 2081.4 | 2015.3 |
| 80° | 1763.9 | 2053.5 | 2220.1 | 1393.0 | 1498.1 | 1495.2 | 1447.0 | 1544.5 | 2304.3 | 1522.5 | 1507.3 |
| 82.5° | 1223.6 | 1578.1 | 1798.7 | 1091.8 | 1011.0 | 994.3 | 1005.8 | 1150.4 | 1628.7 | 1040.7 | 989.7 |
| 85° | 645.4 | 1048.3 | 1781.4 | 967.6 | 600.2 | 478.9 | 595.6 | 942.1 | 1411.1 | 551.4 | 482.9 |
| 87.5° | 82.4 | 302.9 | 1179.5 | 386.0 | 236.8 | 127.8 | 282.7 | 530.6 | 906.1 | 112.6 | 98.2 |
| 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: GWC-AF-02-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° | 185° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3567.4 | 3567.4 | 3567.4 | 3567.4 | 3567.4 | 3567.4 | 3567.4 | 3567.4 | 3567.4 | 3567.4 | 3567.4 |
| 2.5° | 3870.3 | 3793.2 | 3692.1 | 3598.7 | 3501.8 | 3405.4 | 3279.4 | 3200.5 | 3145.9 | 3135.5 | 3112.2 |
| 5° | 3776.3 | 3519.8 | 3325.9 | 3158.1 | 3006.0 | 2791.2 | 2672.3 | 2573.6 | 2520.8 | 2515.5 | 2502.8 |
| 7.5° | 3342.7 | 2988.7 | 2726.9 | 2489.5 | 2274.1 | 2100.6 | 1909.1 | 1819.6 | 1783.1 | 1791.8 | 1800.5 |
| 10° | 2891.8 | 2495.8 | 2195.2 | 1952.6 | 1762.8 | 1616.5 | 1462.7 | 1358.7 | 1286.8 | 1272.4 | 1269.4 |
| 12.5° | 2562.0 | 2127.9 | 1835.9 | 1664.7 | 1517.8 | 1380.3 | 1217.1 | 1094.7 | 1001.3 | 969.3 | 947.9 |
| 15° | 2422.8 | 1948.0 | 1642.0 | 1457.5 | 1295.5 | 1120.8 | 969.3 | 841.1 | 755.1 | 727.2 | 711.6 |
| 17.5° | 2452.4 | 1898.1 | 1508.6 | 1272.4 | 1065.1 | 882.9 | 691.8 | 582.2 | 530.6 | 517.2 | 517.2 |
| 20° | 2607.9 | 1888.8 | 1398.3 | 1101.7 | 843.4 | 632.1 | 475.4 | 412.7 | 395.8 | 394.1 | 398.8 |
| 22.5° | 2826.1 | 1921.3 | 1315.8 | 953.7 | 655.3 | 461.4 | 370.3 | 347.1 | 339.6 | 341.3 | 346.6 |
| 25° | 3151.1 | 2030.9 | 1256.1 | 821.8 | 514.3 | 377.8 | 330.3 | 316.3 | 312.8 | 317.5 | 323.9 |
| 27.5° | 3536.6 | 2140.6 | 1218.9 | 722.6 | 434.2 | 345.4 | 314.0 | 299.5 | 301.8 | 307.7 | 313.5 |
| 30° | 3875.0 | 2230.6 | 1160.4 | 651.8 | 409.1 | 347.1 | 314.0 | 294.2 | 291.9 | 293.2 | 294.9 |
| 32.5° | 4178.5 | 2291.5 | 1091.8 | 584.5 | 352.9 | 308.2 | 293.2 | 290.2 | 277.4 | 272.8 | 273.3 |
| 35° | 4440.3 | 2291.5 | 1050.5 | 544.9 | 316.3 | 273.3 | 249.0 | 234.5 | 228.2 | 228.7 | 235.1 |
| 37.5° | 4692.8 | 2245.8 | 1030.4 | 523.0 | 296.6 | 260.0 | 238.5 | 225.8 | 217.1 | 215.3 | 216.6 |
| 40° | 4915.7 | 2178.9 | 1007.1 | 513.7 | 281.6 | 252.0 | 231.6 | 221.1 | 211.9 | 208.9 | 209.6 |
| 42.5° | 5094.4 | 2125.0 | 981.4 | 501.5 | 272.3 | 246.1 | 226.9 | 217.7 | 207.3 | 204.4 | 203.8 |
| 45° | 5287.7 | 2106.9 | 947.9 | 477.1 | 276.9 | 246.7 | 225.8 | 215.9 | 205.5 | 202.0 | 200.8 |
| 47.5° | 5542.5 | 2163.3 | 913.0 | 448.1 | 286.7 | 249.5 | 227.5 | 215.9 | 204.9 | 202.0 | 200.8 |
| 50° | 5863.5 | 2295.6 | 868.9 | 405.7 | 276.9 | 257.8 | 226.9 | 214.1 | 204.9 | 202.0 | 199.6 |
| 52.5° | 6275.7 | 2474.4 | 810.8 | 356.9 | 271.1 | 277.4 | 225.8 | 210.7 | 202.0 | 198.0 | 193.8 |
| 55° | 6776.6 | 2620.7 | 741.8 | 317.0 | 257.8 | 272.3 | 224.1 | 206.6 | 197.3 | 191.5 | 188.0 |
| 57.5° | 7143.4 | 2673.5 | 653.0 | 290.8 | 239.2 | 263.6 | 221.7 | 201.4 | 191.5 | 187.0 | 182.3 |
| 60° | 7070.8 | 2571.3 | 578.1 | 274.6 | 228.2 | 237.9 | 219.9 | 196.7 | 186.3 | 182.8 | 178.7 |
| 62.5° | 6489.8 | 2304.3 | 529.9 | 267.0 | 221.1 | 217.1 | 221.7 | 192.1 | 181.7 | 178.2 | 177.0 |
| 65° | 5618.5 | 1910.2 | 510.8 | 265.3 | 215.3 | 204.9 | 206.1 | 187.0 | 176.5 | 173.5 | 172.4 |
| 67.5° | 4634.8 | 1541.6 | 494.0 | 271.1 | 207.8 | 196.2 | 190.3 | 180.0 | 171.2 | 168.4 | 166.0 |
| 70° | 3654.9 | 1282.1 | 486.4 | 267.5 | 198.6 | 187.5 | 181.1 | 172.4 | 164.9 | 161.9 | 160.2 |
| 72.5° | 2943.3 | 1083.1 | 482.4 | 264.1 | 186.3 | 175.9 | 170.1 | 162.5 | 154.4 | 153.2 | 151.6 |
| 75° | 2490.7 | 851.4 | 441.7 | 253.1 | 172.4 | 161.9 | 157.9 | 150.9 | 142.8 | 142.8 | 141.6 |
| 77.5° | 1921.3 | 615.7 | 367.4 | 224.1 | 157.9 | 146.3 | 142.8 | 137.5 | 128.3 | 130.0 | 129.5 |
| 80° | 1419.2 | 401.6 | 287.4 | 185.7 | 139.9 | 128.8 | 127.1 | 122.0 | 112.0 | 114.4 | 114.4 |
| 82.5° | 972.2 | 263.6 | 206.6 | 152.1 | 119.5 | 109.2 | 109.2 | 103.9 | 92.9 | 94.1 | 97.5 |
| 85° | 488.2 | 181.1 | 154.4 | 117.8 | 92.9 | 87.6 | 87.6 | 83.6 | 72.5 | 73.1 | 77.8 |
| 87.5° | 148.6 | 109.2 | 102.1 | 84.1 | 66.7 | 65.5 | 62.8 | 59.8 | 52.8 | 52.2 | 55.1 |
| 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: GWC-AF-02-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

| | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° | 285° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3567.4 | 3567.4 | 3567.4 | 3567.4 | 3567.4 | 3567.4 | 3567.4 | 3567.4 | 3567.4 | 3567.4 | 3567.4 |
| 2.5° | 3076.8 | 3043.8 | 3003.7 | 2915.5 | 2885.9 | 2884.1 | 2910.8 | 2883.1 | 2936.5 | 2913.7 | 2938.7 |
| 5° | 2481.4 | 2448.8 | 2404.1 | 2291.5 | 2223.1 | 2176.7 | 2154.6 | 2089.6 | 2136.6 | 2102.3 | 2130.8 |
| 7.5° | 1824.8 | 1832.4 | 1802.8 | 1736.6 | 1587.4 | 1512.5 | 1468.5 | 1429.0 | 1463.3 | 1459.8 | 1514.4 |
| 10° | 1282.7 | 1303.0 | 1282.1 | 1215.4 | 1094.7 | 1053.5 | 1061.6 | 1077.3 | 1122.0 | 1145.1 | 1229.3 |
| 12.5° | 923.5 | 922.2 | 908.9 | 849.2 | 769.6 | 774.3 | 807.4 | 834.6 | 875.8 | 900.3 | 986.2 |
| 15° | 689.5 | 679.1 | 673.2 | 624.5 | 579.3 | 589.1 | 605.4 | 608.2 | 634.4 | 648.9 | 718.6 |
| 17.5° | 521.2 | 526.4 | 532.8 | 498.0 | 463.8 | 457.4 | 444.5 | 429.0 | 436.5 | 439.4 | 474.1 |
| 20° | 413.9 | 434.8 | 450.3 | 426.0 | 391.2 | 372.7 | 356.4 | 346.0 | 346.0 | 345.4 | 355.2 |
| 22.5° | 361.6 | 376.7 | 393.6 | 376.7 | 345.4 | 329.1 | 319.8 | 311.7 | 310.6 | 310.6 | 319.8 |
| 25° | 333.1 | 344.1 | 360.4 | 348.9 | 325.6 | 313.5 | 304.8 | 294.2 | 290.2 | 289.1 | 295.4 |
| 27.5° | 319.2 | 323.9 | 332.0 | 321.6 | 301.8 | 296.0 | 293.7 | 284.4 | 279.1 | 276.3 | 282.7 |
| 30° | 295.4 | 294.2 | 294.9 | 284.4 | 268.8 | 268.1 | 272.3 | 273.9 | 272.3 | 271.6 | 281.6 |
| 32.5° | 273.3 | 271.1 | 270.5 | 261.2 | 246.7 | 243.2 | 246.7 | 250.2 | 254.2 | 260.0 | 271.6 |
| 35° | 245.5 | 251.3 | 254.8 | 246.7 | 229.2 | 218.8 | 214.8 | 208.3 | 204.9 | 204.9 | 218.2 |
| 37.5° | 223.4 | 236.8 | 242.0 | 234.5 | 215.3 | 200.8 | 193.8 | 192.8 | 193.3 | 195.6 | 208.3 |
| 40° | 215.9 | 225.8 | 230.4 | 222.9 | 203.8 | 190.3 | 186.3 | 185.2 | 186.3 | 189.8 | 202.5 |
| 42.5° | 211.3 | 218.2 | 217.7 | 208.3 | 192.8 | 183.4 | 181.1 | 180.0 | 181.1 | 184.5 | 198.6 |
| 45° | 207.3 | 211.9 | 207.3 | 196.2 | 181.7 | 177.0 | 177.6 | 177.0 | 178.2 | 181.7 | 195.0 |
| 47.5° | 203.8 | 205.5 | 199.6 | 188.7 | 173.5 | 172.4 | 174.7 | 176.5 | 177.6 | 180.5 | 194.5 |
| 50° | 198.6 | 198.6 | 193.3 | 181.7 | 166.6 | 167.1 | 170.1 | 174.2 | 174.7 | 178.2 | 189.2 |
| 52.5° | 192.1 | 191.5 | 188.0 | 177.0 | 160.8 | 162.5 | 162.5 | 167.1 | 168.4 | 172.4 | 184.0 |
| 55° | 187.0 | 185.7 | 184.0 | 173.5 | 155.5 | 158.4 | 156.7 | 158.4 | 161.3 | 165.4 | 178.2 |
| 57.5° | 182.3 | 180.0 | 180.0 | 170.7 | 151.6 | 152.6 | 148.6 | 150.9 | 154.4 | 157.9 | 171.2 |
| 60° | 177.6 | 175.3 | 176.5 | 166.6 | 145.1 | 143.9 | 142.2 | 146.9 | 148.0 | 152.1 | 165.4 |
| 62.5° | 172.4 | 170.7 | 171.2 | 161.9 | 140.5 | 137.5 | 137.5 | 141.6 | 142.2 | 148.0 | 160.8 |
| 65° | 168.4 | 166.0 | 165.4 | 157.4 | 135.3 | 131.7 | 133.6 | 135.3 | 136.3 | 142.2 | 154.4 |
| 67.5° | 164.2 | 159.6 | 159.6 | 153.2 | 129.5 | 125.9 | 129.5 | 128.8 | 130.6 | 135.8 | 145.7 |
| 70° | 159.1 | 152.6 | 153.2 | 150.3 | 123.7 | 119.5 | 122.5 | 122.0 | 123.0 | 126.5 | 136.3 |
| 72.5° | 150.9 | 145.7 | 146.9 | 145.7 | 117.8 | 112.0 | 113.2 | 113.2 | 113.2 | 116.1 | 126.5 |
| 75° | 140.5 | 136.3 | 139.9 | 142.8 | 110.9 | 102.7 | 103.9 | 103.9 | 102.1 | 103.9 | 116.7 |
| 77.5° | 127.8 | 125.3 | 137.0 | 133.0 | 102.7 | 92.9 | 92.9 | 91.7 | 88.2 | 90.5 | 104.5 |
| 80° | 113.7 | 112.0 | 126.5 | 111.5 | 93.4 | 80.7 | 79.5 | 76.6 | 73.1 | 74.9 | 88.8 |
| 82.5° | 99.2 | 97.5 | 106.2 | 85.3 | 80.7 | 66.7 | 63.8 | 58.7 | 55.1 | 57.0 | 69.6 |
| 85° | 81.3 | 81.3 | 81.8 | 64.5 | 61.5 | 51.1 | 47.6 | 40.7 | 36.6 | 37.7 | 49.9 |
| 87.5° | 58.0 | 59.8 | 55.1 | 44.1 | 36.6 | 28.4 | 26.1 | 22.1 | 18.6 | 21.6 | 26.1 |
| 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: P200000

CATALOG NUMBER: GWC-AF-02-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

| | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3567.4 | 3567.4 | 3567.4 | 3567.4 | 3567.4 | 3567.4 | 3567.4 | 3567.4 |
| 2.5° | 3066.5 | 3130.3 | 3202.8 | 3295.7 | 3375.2 | 3505.8 | 3631.2 | 3706.6 |
| 5° | 2292.7 | 2398.9 | 2531.3 | 2701.3 | 2859.8 | 3097.7 | 3334.0 | 3485.5 |
| 7.5° | 1640.8 | 1754.6 | 1897.4 | 2109.9 | 2333.9 | 2637.5 | 2949.8 | 3130.9 |
| 10° | 1357.6 | 1474.4 | 1594.4 | 1737.8 | 1921.3 | 2251.5 | 2620.7 | 2825.0 |
| 12.5° | 1123.1 | 1248.0 | 1377.3 | 1528.3 | 1698.3 | 1993.2 | 2418.7 | 2653.7 |
| 15° | 859.7 | 998.9 | 1151.6 | 1342.6 | 1555.6 | 1896.3 | 2368.7 | 2624.1 |
| 17.5° | 589.1 | 744.7 | 932.2 | 1167.9 | 1428.4 | 1864.9 | 2458.2 | 2752.5 |
| 20° | 405.7 | 518.9 | 719.2 | 995.5 | 1308.9 | 1860.9 | 2630.0 | 2998.5 |
| 22.5° | 339.6 | 390.0 | 536.4 | 837.0 | 1218.9 | 1910.8 | 2896.4 | 3343.9 |
| 25° | 314.0 | 344.1 | 428.4 | 699.4 | 1153.3 | 2025.6 | 3263.1 | 3790.7 |
| 27.5° | 299.0 | 326.2 | 388.9 | 609.4 | 1101.7 | 2159.2 | 3620.2 | 4223.9 |
| 30° | 304.8 | 332.5 | 377.8 | 563.6 | 1031.4 | 2270.6 | 3937.0 | 4561.6 |
| 32.5° | 274.6 | 286.7 | 323.9 | 523.0 | 980.9 | 2364.2 | 4214.5 | 4841.4 |
| 35° | 234.0 | 255.3 | 289.1 | 503.8 | 982.1 | 2426.7 | 4516.9 | 5198.9 |
| 37.5° | 222.9 | 244.4 | 268.8 | 496.8 | 995.5 | 2493.6 | 4864.0 | 5618.0 |
| 40° | 215.9 | 235.7 | 256.5 | 492.8 | 1008.3 | 2554.5 | 5204.1 | 6032.4 |
| 42.5° | 211.3 | 229.2 | 255.3 | 478.9 | 1014.6 | 2609.0 | 5483.9 | 6384.8 |
| 45° | 210.7 | 229.2 | 260.0 | 464.9 | 1024.5 | 2667.7 | 5718.4 | 6645.3 |
| 47.5° | 211.3 | 236.8 | 251.3 | 448.1 | 1024.5 | 2765.8 | 5993.5 | 6878.1 |
| 50° | 208.9 | 249.5 | 242.0 | 424.3 | 1000.7 | 2951.5 | 6370.8 | 7189.8 |
| 52.5° | 207.8 | 247.8 | 224.1 | 387.8 | 959.4 | 3246.3 | 6854.3 | 7619.3 |
| 55° | 204.9 | 239.2 | 211.3 | 333.1 | 911.3 | 3568.0 | 7372.0 | 8127.2 |
| 57.5° | 202.0 | 211.9 | 204.4 | 285.6 | 837.0 | 3794.2 | 7728.5 | 8523.7 |
| 60° | 226.3 | 185.2 | 198.6 | 262.3 | 737.7 | 3856.5 | 7714.6 | 8681.5 |
| 62.5° | 209.6 | 173.5 | 190.9 | 257.1 | 668.1 | 3682.2 | 7358.2 | 8596.2 |
| 65° | 164.2 | 166.0 | 183.4 | 272.3 | 649.5 | 3220.9 | 6726.6 | 8202.1 |
| 67.5° | 150.3 | 158.4 | 175.9 | 291.4 | 651.3 | 2578.8 | 5782.9 | 7343.7 |
| 70° | 141.6 | 150.3 | 167.1 | 301.2 | 655.9 | 1922.4 | 4572.1 | 5981.4 |
| 72.5° | 131.7 | 139.3 | 157.4 | 302.9 | 625.7 | 1396.6 | 3523.8 | 4397.9 |
| 75° | 120.1 | 127.1 | 143.3 | 264.1 | 518.3 | 968.7 | 2695.5 | 3009.0 |
| 77.5° | 106.7 | 112.0 | 125.9 | 203.8 | 384.8 | 619.9 | 2023.4 | 2198.1 |
| 80° | 91.1 | 94.1 | 105.7 | 149.1 | 263.6 | 387.8 | 1600.8 | 1763.9 |
| 82.5° | 73.1 | 74.3 | 81.8 | 112.0 | 171.2 | 249.0 | 1072.1 | 1223.6 |
| 85° | 51.7 | 51.7 | 56.3 | 81.3 | 116.7 | 157.9 | 582.2 | 645.4 |
| 87.5° | 24.4 | 24.9 | 24.9 | 44.7 | 60.9 | 80.1 | 134.1 | 82.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)