

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: P14207

Luminaire Tested: **GAT-080-LED-E1-3-SPUN-X-3000**

Issue Date: 6/29/2020

Test Information

Test Method: LM-79-08
Report Number: P14207
Test Lab: INNOVATION CENTER-P1
Issue Date: 6/29/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GAT-080-LED-E1-3-SPUN-X-3000
Description: MCGRAW-EDISON TOP WITH A TYPE III SOLID TOP
PRISMATIC REFRACTOR
Light Source: [6] 3000K LEDS
Ballast/Driver: [2] ELECTRONIC DRIVERS

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12810 lumens
Efficiency: N/A
Efficacy: 126.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.08' x H: 2.21')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B3 - U5 - G5

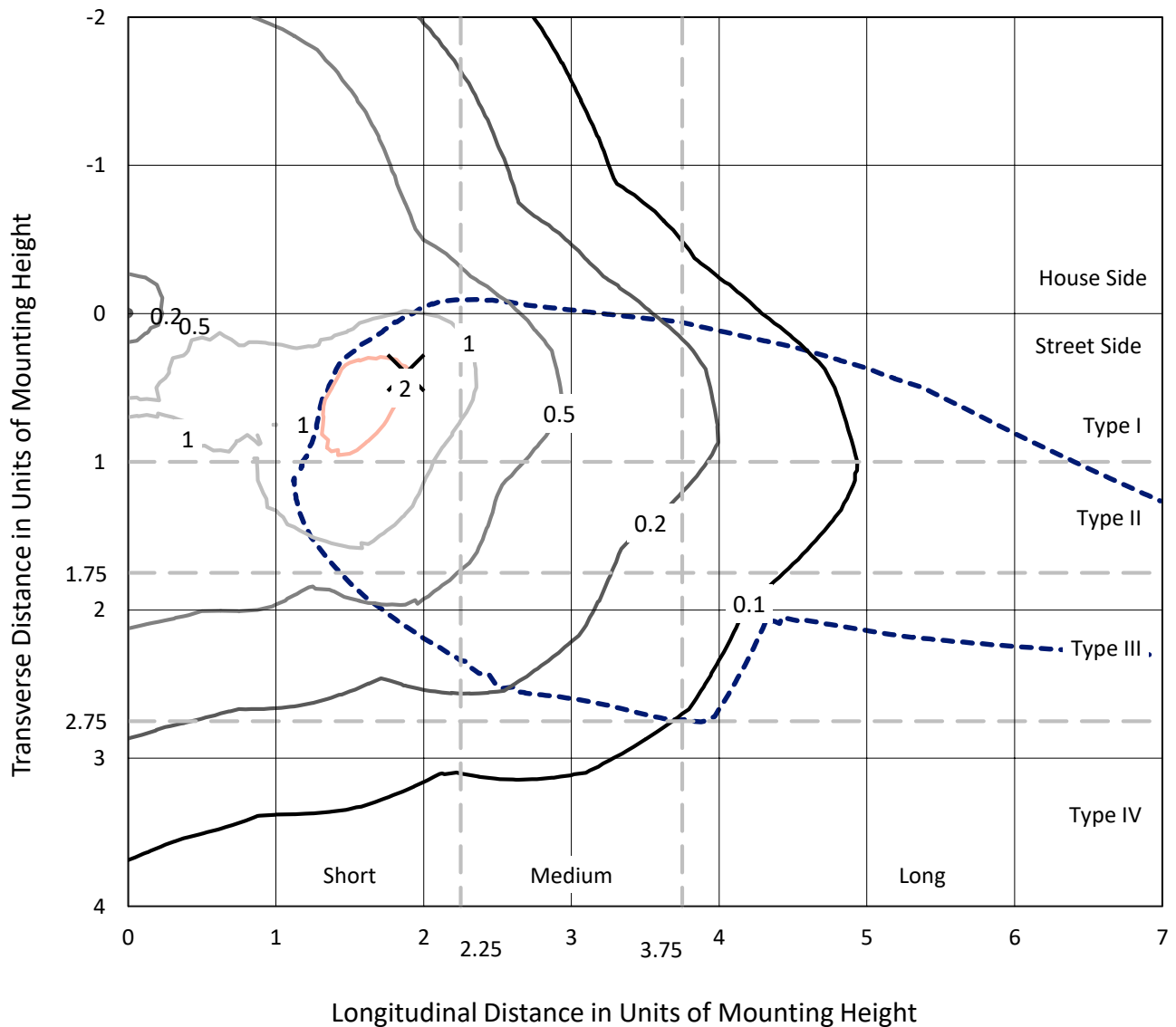
Input Watts (W): 101.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P14207
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Iso-Footcandle Lines of Horizontal Illumination

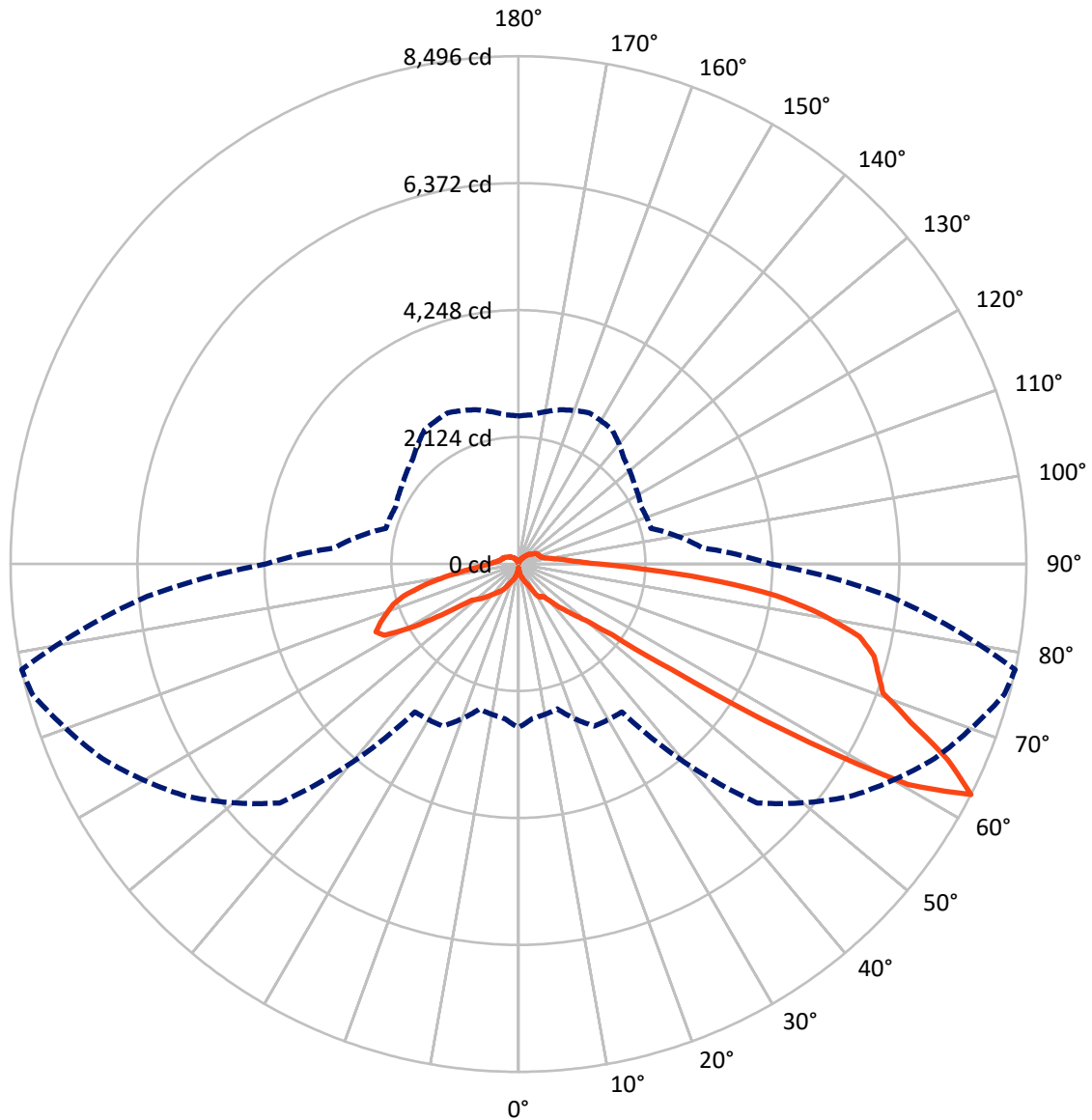
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.5 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical



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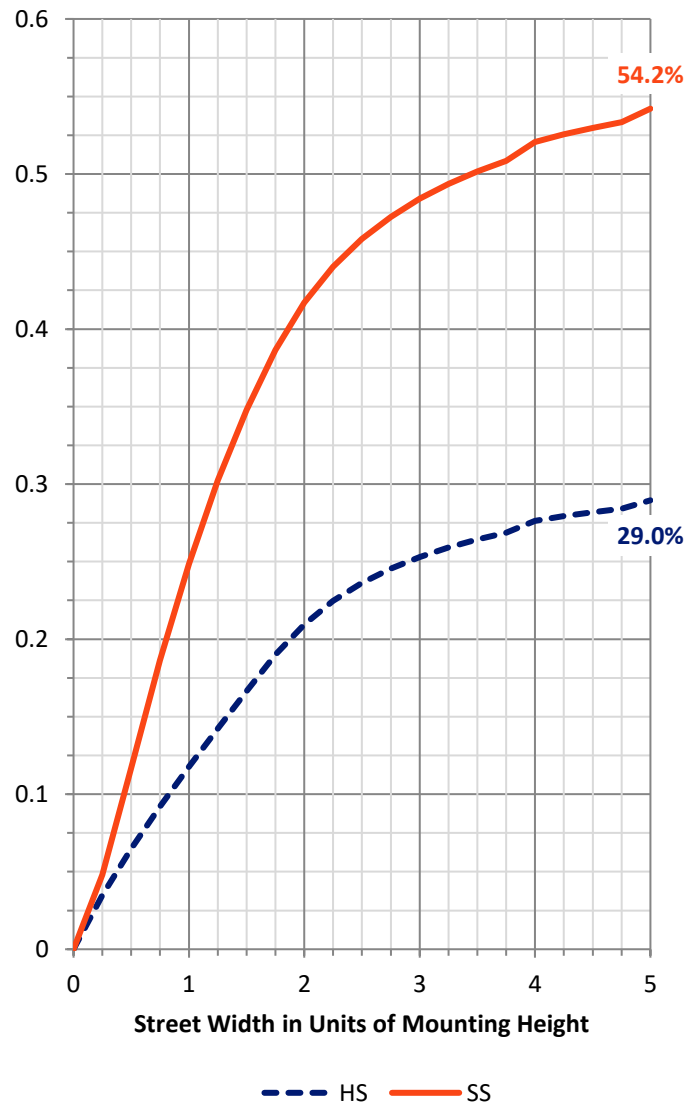
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3902.0 | 707.9 | 4609.9 |
| | % Fixture | 30.5 | 5.5 | 36.0 |
| Street Side | Lumens | 7308.4 | 891.7 | 8200.1 |
| | % Fixture | 57.1 | 7.0 | 64.0 |
| Total | Lumens | 11210.4 | 1599.6 | 12810.0 |
| | % Fixture | 87.5 | 12.5 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 13.0 | 0.1 |
| 10°-20° | 72.7 | 0.6 |
| 20°-30° | 202.6 | 1.6 |
| 30°-40° | 431.8 | 3.4 |
| 40°-50° | 769.5 | 6.0 |
| 50°-60° | 1826.0 | 14.3 |
| 60°-70° | 3593.9 | 28.1 |
| 70°-80° | 2889.3 | 22.6 |
| 80°-90° | 1411.7 | 11.0 |
| 90°-100° | 526.2 | 4.1 |
| 100°-110° | 341.8 | 2.7 |
| 110°-120° | 283.2 | 2.2 |
| 120°-130° | 199.6 | 1.6 |
| 130°-140° | 129.4 | 1.0 |
| 140°-150° | 74.9 | 0.6 |
| 150°-160° | 33.9 | 0.3 |
| 160°-170° | 9.7 | 0.1 |
| 170°-180° | 1.0 | 0.0 |
| 0°-90° | 11210.4 | 87.5 |
| 0°-180° | 12810.0 | 100.0 |



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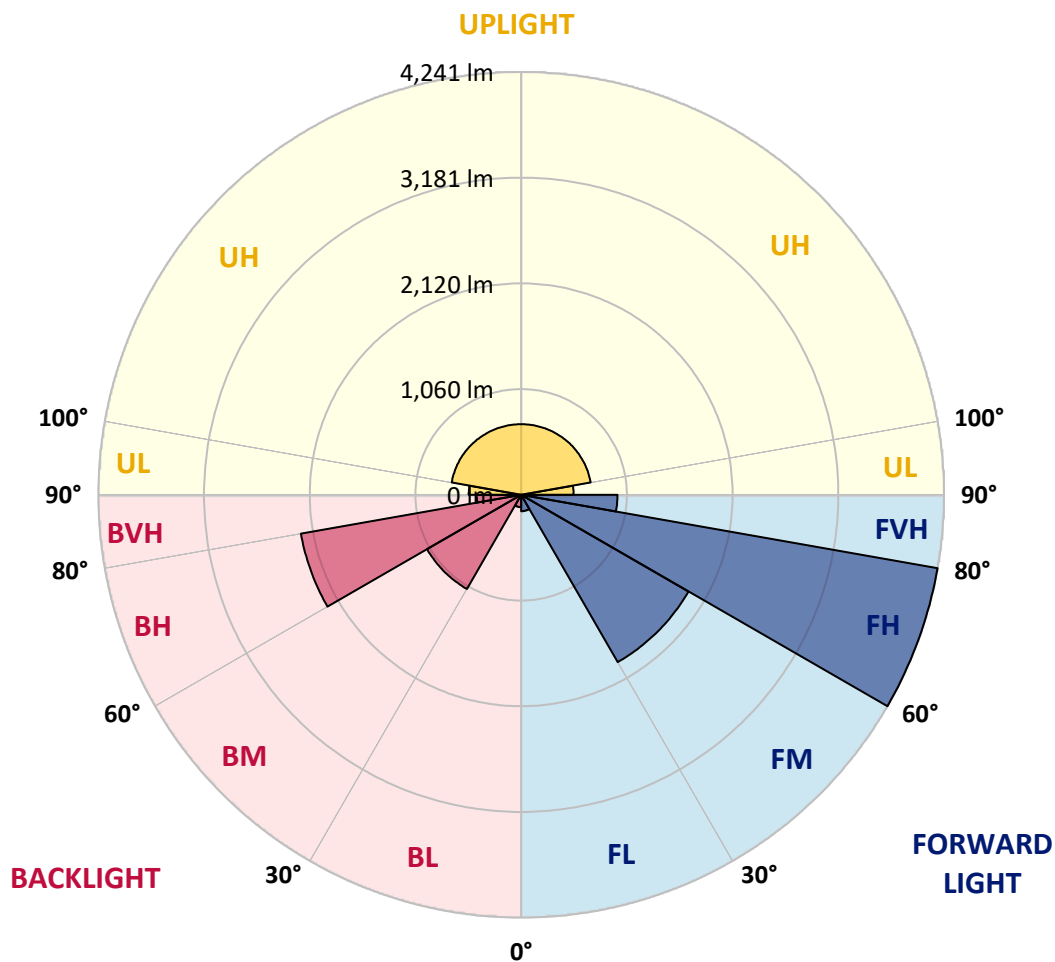
CATALOG NUMBER: GAT-080-LED-E1-3-SPUN-X-3000

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|---------|---------|
| | | | B | U | G |
| FL (0°-30°) | 164.6 | 1.3 | | | |
| FM (30°-60°) | 1937.5 | 15.1 | | | |
| FH (60°-80°) | 4240.7 | 33.1 | | | G2/5000 |
| FVH (80°-90°) | 965.7 | 7.5 | | | G5 |
| BL (0°-30°) | 123.7 | 1.0 | B1/500 | | |
| BM (30°-60°) | 1089.8 | 8.5 | B2/2500 | | |
| BH (60°-80°) | 2242.5 | 17.5 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 446.0 | 3.5 | | | G3/500 |
| UL (90°-100°) | 526.2 | 4.1 | | U4/1000 | |
| UH (100°-180°) | 707.9 | 5.5 | | U4/1000 | |

BUG Rating: B3-U5-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 78° | 85° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 |
| 2.5° | 84.7 | 84.7 | 86.3 | 84.7 | 83.3 | 83.3 | 81.7 | 80.2 | 80.2 | 78.6 | 81.7 |
| 5° | 115.0 | 115.0 | 116.5 | 115.0 | 115.0 | 115.0 | 110.4 | 107.5 | 107.5 | 107.5 | 112.0 |
| 7.5° | 160.4 | 160.4 | 163.5 | 159.0 | 161.9 | 160.4 | 160.4 | 154.3 | 148.4 | 148.4 | 146.8 |
| 10° | 211.8 | 210.3 | 211.8 | 213.4 | 208.9 | 205.8 | 199.7 | 196.7 | 192.2 | 193.8 | 187.7 |
| 12.5° | 245.2 | 248.2 | 248.2 | 248.2 | 243.7 | 237.6 | 228.5 | 225.4 | 219.5 | 217.9 | 217.9 |
| 15° | 276.9 | 278.5 | 276.9 | 280.0 | 278.5 | 266.3 | 260.4 | 252.7 | 248.2 | 245.2 | 243.7 |
| 17.5° | 313.2 | 319.3 | 313.2 | 317.8 | 322.3 | 325.4 | 328.4 | 301.1 | 283.0 | 278.5 | 278.5 |
| 20° | 342.0 | 340.5 | 346.5 | 355.7 | 379.9 | 376.7 | 358.6 | 348.0 | 326.8 | 322.3 | 317.8 |
| 22.5° | 393.4 | 390.5 | 390.5 | 401.1 | 447.9 | 482.8 | 440.4 | 391.9 | 355.7 | 349.6 | 342.0 |
| 25° | 428.2 | 420.7 | 432.7 | 470.7 | 500.9 | 535.7 | 487.3 | 437.4 | 396.6 | 395.0 | 390.5 |
| 27.5° | 528.2 | 526.7 | 516.0 | 556.9 | 673.5 | 736.9 | 700.6 | 623.5 | 502.5 | 482.8 | 438.8 |
| 30° | 673.5 | 668.9 | 638.7 | 679.5 | 808.1 | 947.4 | 1057.8 | 876.3 | 649.3 | 606.8 | 516.0 |
| 32.5° | 729.5 | 727.9 | 705.3 | 738.5 | 867.2 | 1010.9 | 1177.3 | 935.2 | 696.1 | 664.4 | 594.7 |
| 35° | 735.5 | 721.8 | 709.8 | 755.2 | 796.1 | 921.6 | 1118.4 | 891.4 | 684.1 | 662.8 | 638.7 |
| 37.5° | 729.5 | 727.9 | 736.9 | 811.2 | 885.3 | 929.1 | 1089.7 | 948.8 | 723.4 | 696.1 | 673.5 |
| 40° | 882.3 | 873.1 | 829.3 | 855.0 | 968.4 | 1012.4 | 1268.1 | 1275.8 | 880.8 | 808.1 | 705.3 |
| 42.5° | 995.7 | 995.7 | 950.4 | 986.7 | 1156.1 | 1195.6 | 1437.7 | 1602.6 | 1066.9 | 965.5 | 805.1 |
| 45° | 1057.8 | 1066.9 | 1023.0 | 1066.9 | 1271.2 | 1275.8 | 1430.1 | 1844.7 | 1243.9 | 1103.2 | 897.5 |
| 47.5° | 1136.5 | 1129.0 | 1075.9 | 1131.9 | 1401.3 | 1461.9 | 1554.2 | 2253.3 | 1511.8 | 1292.3 | 1007.9 |
| 50° | 1056.3 | 1045.7 | 1045.7 | 1085.0 | 1309.0 | 1412.0 | 1448.3 | 2043.0 | 1734.3 | 1507.3 | 1136.5 |
| 52.5° | 1071.4 | 1104.8 | 1135.1 | 1271.2 | 1524.0 | 1808.4 | 1799.3 | 2351.7 | 2291.2 | 1965.8 | 1371.1 |
| 55° | 1396.8 | 1430.1 | 1398.2 | 1575.3 | 1872.0 | 2710.3 | 2881.3 | 3837.8 | 3684.9 | 3105.3 | 1882.6 |
| 57.5° | 1993.1 | 2017.2 | 1872.0 | 2077.8 | 2229.1 | 4111.7 | 4853.2 | 6390.7 | 6203.0 | 5269.4 | 2901.0 |
| 60° | 2496.9 | 2418.3 | 2289.6 | 2592.3 | 2681.6 | 5018.2 | 6272.6 | 7569.6 | 8049.3 | 7495.5 | 4493.0 |
| 62.5° | 2737.6 | 2596.8 | 2510.7 | 2993.3 | 3019.1 | 5652.2 | 6776.6 | 7689.1 | 8418.5 | 8495.8 | 6237.8 |
| 65° | 2577.1 | 2428.9 | 2375.9 | 2872.3 | 2907.1 | 5936.7 | 6601.1 | 6728.1 | 7640.7 | 7887.4 | 6840.1 |
| 67.5° | 2362.3 | 2233.6 | 2174.6 | 2639.2 | 2766.3 | 5785.4 | 6384.6 | 5852.0 | 6923.4 | 7083.8 | 6408.9 |
| 70° | 2265.4 | 2112.6 | 2021.8 | 2366.8 | 2595.4 | 5109.0 | 5773.2 | 5121.0 | 6292.4 | 6470.9 | 5720.4 |
| 72.5° | 2185.2 | 2027.8 | 1941.6 | 2251.9 | 2475.7 | 4450.7 | 5112.0 | 4659.6 | 6023.0 | 6295.4 | 5541.7 |
| 75° | 2233.6 | 2033.9 | 1915.8 | 2211.0 | 2369.8 | 4081.4 | 4676.1 | 4447.6 | 5802.1 | 6144.1 | 5413.0 |
| 77.5° | 2170.1 | 1961.2 | 1791.8 | 2055.1 | 2103.5 | 3547.1 | 4358.3 | 4287.2 | 5603.8 | 5835.3 | 4871.4 |
| 80° | 1937.1 | 1767.5 | 1590.4 | 1823.5 | 1741.9 | 2879.8 | 3749.9 | 3881.6 | 5081.7 | 5155.8 | 3940.7 |
| 82.5° | 1619.3 | 1517.9 | 1331.8 | 1528.5 | 1402.9 | 2174.6 | 3102.2 | 3395.8 | 4467.4 | 4347.7 | 2934.4 |
| 85° | 1122.9 | 1106.2 | 980.6 | 1148.6 | 1051.8 | 1498.2 | 2047.5 | 2440.9 | 3335.3 | 3141.7 | 1896.2 |
| 87.5° | 746.0 | 753.6 | 690.1 | 788.4 | 765.8 | 1006.4 | 1206.0 | 1454.2 | 2103.5 | 1944.5 | 1225.8 |
| 90° | 573.6 | 566.0 | 535.7 | 599.2 | 620.4 | 786.9 | 886.9 | 938.2 | 1260.6 | 1207.6 | 898.9 |
| 92.5° | 502.5 | 491.9 | 466.1 | 514.5 | 537.3 | 671.9 | 749.1 | 734.0 | 933.7 | 917.1 | 715.7 |
| 95° | 460.0 | 449.4 | 429.8 | 472.2 | 476.7 | 585.6 | 662.8 | 632.6 | 768.8 | 762.7 | 619.0 |
| 97.5° | 411.7 | 402.5 | 384.4 | 416.2 | 419.2 | 513.1 | 570.5 | 538.7 | 612.9 | 611.4 | 510.0 |
| 100° | 372.2 | 367.7 | 351.2 | 375.3 | 376.7 | 451.0 | 502.5 | 467.7 | 519.0 | 525.1 | 455.5 |
| 102.5° | 336.0 | 332.9 | 320.9 | 339.0 | 340.5 | 395.0 | 438.8 | 402.5 | 447.9 | 454.0 | 405.6 |
| 105° | 311.7 | 305.8 | 296.6 | 316.2 | 317.8 | 366.3 | 396.6 | 360.2 | 408.6 | 417.6 | 375.3 |
| 107.5° | 289.1 | 285.9 | 284.5 | 308.7 | 304.2 | 343.5 | 361.6 | 331.3 | 376.7 | 387.3 | 355.7 |
| 110° | 272.4 | 269.4 | 270.8 | 289.1 | 289.1 | 331.3 | 343.5 | 326.8 | 370.8 | 376.7 | 352.6 |



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CATALOG NUMBER: GAT-080-LED-E1-3-SPUN-X-3000

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 78° | 85° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 260.4 | 258.8 | 255.7 | 272.4 | 273.9 | 334.5 | 343.5 | 332.9 | 372.2 | 379.9 | 352.6 |
| 115° | 255.7 | 249.8 | 242.1 | 257.2 | 251.2 | 317.8 | 323.9 | 319.3 | 354.1 | 358.6 | 329.9 |
| 117.5° | 240.6 | 239.1 | 236.0 | 243.7 | 246.6 | 310.3 | 316.2 | 316.2 | 351.2 | 358.6 | 331.3 |
| 120° | 224.0 | 225.4 | 224.0 | 237.6 | 234.6 | 295.2 | 298.1 | 302.6 | 337.4 | 348.0 | 323.9 |
| 122.5° | 211.8 | 210.3 | 208.9 | 217.9 | 220.9 | 270.8 | 273.9 | 284.5 | 314.8 | 319.3 | 296.6 |
| 125° | 195.2 | 193.8 | 193.8 | 196.7 | 208.9 | 249.8 | 251.2 | 258.8 | 284.5 | 287.5 | 264.9 |
| 127.5° | 186.1 | 184.5 | 184.5 | 190.6 | 199.7 | 237.6 | 239.1 | 242.1 | 261.8 | 266.3 | 252.7 |
| 130° | 177.1 | 175.5 | 174.1 | 178.6 | 192.2 | 228.5 | 227.0 | 233.1 | 251.2 | 255.7 | 236.0 |
| 132.5° | 164.9 | 164.9 | 161.9 | 169.4 | 183.1 | 215.0 | 210.3 | 217.9 | 236.0 | 233.1 | 216.4 |
| 135° | 152.9 | 154.3 | 152.9 | 155.8 | 168.0 | 192.2 | 192.2 | 196.7 | 211.8 | 207.3 | 193.8 |
| 137.5° | 139.2 | 137.7 | 137.7 | 139.2 | 149.8 | 169.4 | 172.5 | 177.1 | 181.6 | 177.1 | 168.0 |
| 140° | 136.2 | 139.2 | 134.6 | 136.2 | 145.2 | 161.9 | 164.9 | 169.4 | 168.0 | 164.9 | 154.3 |
| 142.5° | 130.1 | 127.1 | 122.6 | 124.0 | 134.6 | 149.8 | 154.3 | 154.3 | 148.4 | 143.8 | 136.2 |
| 145° | 113.6 | 113.6 | 112.0 | 115.0 | 127.1 | 136.2 | 142.3 | 139.2 | 130.1 | 125.6 | 122.6 |
| 147.5° | 103.0 | 99.8 | 99.8 | 107.5 | 116.5 | 127.1 | 127.1 | 122.6 | 113.6 | 112.0 | 108.9 |
| 150° | 92.4 | 92.4 | 90.8 | 98.4 | 107.5 | 113.6 | 113.6 | 112.0 | 103.0 | 98.4 | 95.3 |
| 152.5° | 81.7 | 83.3 | 83.3 | 92.4 | 96.9 | 105.9 | 99.8 | 93.8 | 87.8 | 83.3 | 80.2 |
| 155° | 71.1 | 68.2 | 69.6 | 77.2 | 83.3 | 81.7 | 80.2 | 74.1 | 69.6 | 68.2 | 68.2 |
| 157.5° | 65.1 | 62.1 | 65.1 | 71.1 | 74.1 | 74.1 | 69.6 | 65.1 | 60.5 | 59.0 | 62.1 |
| 160° | 53.0 | 54.4 | 56.0 | 60.5 | 62.1 | 60.5 | 59.0 | 54.4 | 49.9 | 51.5 | 51.5 |
| 162.5° | 43.8 | 45.4 | 45.4 | 48.4 | 49.9 | 47.0 | 45.4 | 40.9 | 39.3 | 42.4 | 39.3 |
| 165° | 34.8 | 36.3 | 36.3 | 37.9 | 39.3 | 34.8 | 31.8 | 28.7 | 30.3 | 28.7 | 30.3 |
| 167.5° | 25.7 | 25.7 | 27.3 | 27.3 | 27.3 | 24.2 | 19.7 | 21.2 | 21.2 | 19.7 | 21.2 |
| 170° | 16.7 | 18.1 | 18.1 | 16.7 | 16.7 | 13.6 | 12.2 | 10.6 | 12.2 | 10.6 | 12.2 |
| 172.5° | 12.2 | 10.6 | 12.2 | 10.6 | 10.6 | 9.0 | 9.0 | 9.0 | 7.6 | 7.6 | 7.6 |
| 175° | 13.6 | 12.2 | 10.6 | 12.2 | 10.6 | 10.6 | 7.6 | 7.6 | 7.6 | 9.0 | 7.6 |
| 177.5° | 12.2 | 9.0 | 10.6 | 10.6 | 9.0 | 7.6 | 7.6 | 6.1 | 6.1 | 7.6 | 7.6 |
| 180° | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 |



REPORT NUMBER: P14207

CATALOG NUMBER: GAT-080-LED-E1-3-SPUN-X-3000

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 |
| 2.5° | 78.6 | 81.7 | 80.2 | 80.2 | 80.2 | 77.2 | 78.6 | 80.2 | 78.6 | 77.2 | 81.7 |
| 5° | 107.5 | 110.4 | 108.9 | 108.9 | 108.9 | 105.9 | 104.4 | 103.0 | 103.0 | 104.4 | 103.0 |
| 7.5° | 145.2 | 143.8 | 142.3 | 139.2 | 137.7 | 136.2 | 134.6 | 134.6 | 133.2 | 133.2 | 136.2 |
| 10° | 186.1 | 181.6 | 180.0 | 175.5 | 172.5 | 171.0 | 169.4 | 169.4 | 169.4 | 171.0 | 166.5 |
| 12.5° | 213.4 | 208.9 | 207.3 | 202.8 | 198.3 | 195.2 | 193.8 | 193.8 | 193.8 | 195.2 | 196.7 |
| 15° | 242.1 | 240.6 | 236.0 | 230.1 | 224.0 | 224.0 | 220.9 | 220.9 | 224.0 | 225.4 | 222.5 |
| 17.5° | 272.4 | 270.8 | 266.3 | 258.8 | 255.7 | 252.7 | 252.7 | 251.2 | 254.3 | 257.2 | 257.2 |
| 20° | 305.8 | 296.6 | 290.6 | 285.9 | 283.0 | 278.5 | 280.0 | 278.5 | 283.0 | 284.5 | 283.0 |
| 22.5° | 339.0 | 334.5 | 325.4 | 319.3 | 317.8 | 308.7 | 308.7 | 310.3 | 313.2 | 316.2 | 317.8 |
| 25° | 376.7 | 366.3 | 357.1 | 351.2 | 340.5 | 339.0 | 342.0 | 342.0 | 348.0 | 348.0 | 345.1 |
| 27.5° | 422.3 | 417.6 | 411.7 | 404.0 | 395.0 | 391.9 | 390.5 | 395.0 | 398.0 | 396.6 | 396.6 |
| 30° | 478.1 | 472.2 | 475.2 | 470.7 | 464.6 | 447.9 | 443.4 | 449.4 | 457.1 | 461.6 | 460.0 |
| 32.5° | 549.3 | 538.7 | 519.0 | 510.0 | 498.0 | 493.3 | 490.3 | 494.8 | 503.9 | 513.1 | 513.1 |
| 35° | 597.8 | 581.1 | 555.4 | 520.6 | 507.0 | 507.0 | 517.6 | 525.1 | 532.7 | 531.2 | 534.1 |
| 37.5° | 641.6 | 629.6 | 591.7 | 546.3 | 537.3 | 546.3 | 567.5 | 578.1 | 576.6 | 561.4 | 556.9 |
| 40° | 687.0 | 678.0 | 638.7 | 605.3 | 603.9 | 605.3 | 609.8 | 624.9 | 634.1 | 638.7 | 638.7 |
| 42.5° | 755.2 | 741.5 | 690.1 | 665.8 | 665.8 | 658.3 | 665.8 | 682.5 | 706.7 | 724.9 | 726.3 |
| 45° | 838.3 | 823.2 | 747.6 | 705.3 | 705.3 | 705.3 | 729.5 | 755.2 | 770.3 | 765.8 | 762.7 |
| 47.5° | 930.7 | 911.0 | 817.1 | 780.9 | 786.9 | 770.3 | 794.5 | 817.1 | 852.1 | 858.0 | 862.5 |
| 50° | 1018.5 | 986.7 | 871.7 | 814.2 | 805.1 | 814.2 | 853.5 | 879.2 | 886.9 | 882.3 | 883.7 |
| 52.5° | 1172.8 | 1098.7 | 932.3 | 886.9 | 894.3 | 929.1 | 979.1 | 1000.3 | 997.3 | 976.1 | 974.5 |
| 55° | 1501.2 | 1333.2 | 1163.8 | 1166.7 | 1195.6 | 1245.5 | 1304.5 | 1322.6 | 1349.9 | 1327.2 | 1345.3 |
| 57.5° | 2088.4 | 1766.1 | 1560.2 | 1649.5 | 1685.9 | 1688.9 | 1731.3 | 1782.6 | 1876.5 | 1921.9 | 1938.6 |
| 60° | 3028.1 | 2394.1 | 1984.0 | 2056.5 | 2101.9 | 2130.8 | 2270.0 | 2359.2 | 2365.3 | 2316.9 | 2316.9 |
| 62.5° | 4223.7 | 3090.2 | 2297.3 | 2265.4 | 2360.7 | 2495.4 | 2737.6 | 2792.1 | 2671.0 | 2503.0 | 2475.7 |
| 65° | 4891.1 | 3432.2 | 2301.8 | 2283.5 | 2460.6 | 2625.6 | 2837.5 | 2792.1 | 2646.9 | 2498.5 | 2478.8 |
| 67.5° | 4824.5 | 3374.7 | 2129.2 | 2165.6 | 2362.3 | 2463.7 | 2578.7 | 2510.7 | 2457.6 | 2339.5 | 2350.1 |
| 70° | 4444.6 | 3185.5 | 1993.1 | 1997.6 | 2079.3 | 2130.8 | 2241.3 | 2227.5 | 2256.4 | 2127.7 | 2135.3 |
| 72.5° | 4193.4 | 2978.2 | 1879.5 | 1835.7 | 1843.1 | 1914.3 | 2062.6 | 2100.5 | 2138.3 | 1999.1 | 1996.0 |
| 75° | 3922.5 | 2663.4 | 1691.8 | 1637.4 | 1666.1 | 1723.6 | 1853.7 | 1902.3 | 1961.2 | 1847.8 | 1847.8 |
| 77.5° | 3237.0 | 2117.1 | 1448.3 | 1469.4 | 1511.8 | 1516.3 | 1564.8 | 1629.9 | 1711.6 | 1649.5 | 1645.0 |
| 80° | 2427.4 | 1589.0 | 1197.0 | 1256.1 | 1306.0 | 1242.4 | 1237.9 | 1287.8 | 1380.1 | 1369.5 | 1377.2 |
| 82.5° | 1707.0 | 1124.4 | 939.7 | 1017.0 | 1073.0 | 989.7 | 961.0 | 974.5 | 1045.7 | 1057.8 | 1063.9 |
| 85° | 1141.0 | 821.7 | 718.8 | 749.1 | 773.3 | 727.9 | 715.7 | 718.8 | 736.9 | 723.4 | 724.9 |
| 87.5° | 846.0 | 646.2 | 573.6 | 578.1 | 572.1 | 549.3 | 550.8 | 555.4 | 553.8 | 535.7 | 532.7 |
| 90° | 653.8 | 520.6 | 490.3 | 490.3 | 476.7 | 464.6 | 466.1 | 473.6 | 472.2 | 461.6 | 463.0 |
| 92.5° | 543.3 | 446.5 | 438.8 | 435.9 | 419.2 | 413.1 | 422.3 | 428.2 | 425.3 | 416.2 | 411.7 |
| 95° | 487.3 | 411.7 | 399.5 | 390.5 | 375.3 | 372.2 | 378.3 | 382.8 | 382.8 | 373.8 | 373.8 |
| 97.5° | 420.7 | 364.7 | 355.7 | 345.1 | 325.4 | 325.4 | 329.9 | 331.3 | 332.9 | 328.4 | 323.9 |
| 100° | 375.3 | 334.5 | 331.3 | 316.2 | 302.6 | 302.6 | 307.2 | 310.3 | 310.3 | 302.6 | 301.1 |
| 102.5° | 346.5 | 311.7 | 310.3 | 296.6 | 285.9 | 284.5 | 289.1 | 292.0 | 289.1 | 284.5 | 289.1 |
| 105° | 328.4 | 296.6 | 295.2 | 284.5 | 276.9 | 275.5 | 280.0 | 281.4 | 281.4 | 273.9 | 272.4 |
| 107.5° | 316.2 | 289.1 | 281.4 | 276.9 | 267.9 | 267.9 | 276.9 | 278.5 | 278.5 | 267.9 | 267.9 |
| 110° | 310.3 | 283.0 | 273.9 | 272.4 | 272.4 | 273.9 | 284.5 | 290.6 | 293.6 | 283.0 | 284.5 |



REPORT NUMBER: P14207

CATALOG NUMBER: GAT-080-LED-E1-3-SPUN-X-3000

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 313.2 | 283.0 | 270.8 | 278.5 | 283.0 | 292.0 | 304.2 | 311.7 | 316.2 | 305.8 | 304.2 |
| 115° | 292.0 | 258.8 | 251.2 | 260.4 | 278.5 | 285.9 | 295.2 | 293.6 | 296.6 | 289.1 | 289.1 |
| 117.5° | 285.9 | 254.3 | 242.1 | 251.2 | 264.9 | 264.9 | 267.9 | 264.9 | 266.3 | 258.8 | 258.8 |
| 120° | 275.5 | 249.8 | 225.4 | 231.5 | 234.6 | 236.0 | 236.0 | 234.6 | 234.6 | 228.5 | 225.4 |
| 122.5° | 261.8 | 236.0 | 215.0 | 219.5 | 219.5 | 217.9 | 219.5 | 217.9 | 217.9 | 211.8 | 208.9 |
| 125° | 242.1 | 219.5 | 199.7 | 204.4 | 204.4 | 201.2 | 199.7 | 199.7 | 199.7 | 196.7 | 199.7 |
| 127.5° | 230.1 | 208.9 | 189.2 | 187.7 | 190.6 | 190.6 | 190.6 | 189.2 | 187.7 | 186.1 | 186.1 |
| 130° | 219.5 | 199.7 | 178.6 | 178.6 | 177.1 | 178.6 | 177.1 | 175.5 | 175.5 | 174.1 | 174.1 |
| 132.5° | 204.4 | 187.7 | 164.9 | 164.9 | 164.9 | 163.5 | 163.5 | 161.9 | 160.4 | 160.4 | 159.0 |
| 135° | 187.7 | 172.5 | 154.3 | 152.9 | 154.3 | 152.9 | 151.3 | 149.8 | 149.8 | 148.4 | 149.8 |
| 137.5° | 160.4 | 152.9 | 139.2 | 134.6 | 133.2 | 134.6 | 133.2 | 131.7 | 133.2 | 130.1 | 130.1 |
| 140° | 152.9 | 145.2 | 136.2 | 130.1 | 128.7 | 128.7 | 127.1 | 130.1 | 128.7 | 130.1 | 130.1 |
| 142.5° | 134.6 | 134.6 | 125.6 | 121.1 | 121.1 | 122.6 | 116.5 | 116.5 | 116.5 | 116.5 | 116.5 |
| 145° | 125.6 | 125.6 | 119.5 | 112.0 | 110.4 | 107.5 | 105.9 | 105.9 | 105.9 | 104.4 | 108.9 |
| 147.5° | 110.4 | 112.0 | 108.9 | 103.0 | 96.9 | 93.8 | 93.8 | 92.4 | 92.4 | 93.8 | 92.4 |
| 150° | 98.4 | 99.8 | 96.9 | 90.8 | 86.3 | 83.3 | 83.3 | 80.2 | 81.7 | 80.2 | 81.7 |
| 152.5° | 83.3 | 84.7 | 83.3 | 78.6 | 77.2 | 74.1 | 72.7 | 71.1 | 72.7 | 69.6 | 69.6 |
| 155° | 66.6 | 68.2 | 69.6 | 66.6 | 62.1 | 59.0 | 57.6 | 57.6 | 59.0 | 57.6 | 57.6 |
| 157.5° | 60.5 | 60.5 | 62.1 | 60.5 | 57.6 | 54.4 | 56.0 | 54.4 | 53.0 | 54.4 | 54.4 |
| 160° | 51.5 | 49.9 | 53.0 | 51.5 | 49.9 | 47.0 | 49.9 | 47.0 | 45.4 | 43.8 | 47.0 |
| 162.5° | 40.9 | 39.3 | 40.9 | 40.9 | 40.9 | 39.3 | 37.9 | 36.3 | 36.3 | 34.8 | 33.2 |
| 165° | 30.3 | 30.3 | 31.8 | 31.8 | 31.8 | 30.3 | 28.7 | 27.3 | 28.7 | 28.7 | 27.3 |
| 167.5° | 19.7 | 21.2 | 21.2 | 21.2 | 21.2 | 19.7 | 21.2 | 18.1 | 19.7 | 18.1 | 18.1 |
| 170° | 12.2 | 12.2 | 13.6 | 13.6 | 13.6 | 12.2 | 12.2 | 10.6 | 10.6 | 10.6 | 10.6 |
| 172.5° | 7.6 | 7.6 | 10.6 | 12.2 | 10.6 | 9.0 | 7.6 | 6.1 | 7.6 | 7.6 | 9.0 |
| 175° | 9.0 | 10.6 | 12.2 | 10.6 | 12.2 | 10.6 | 7.6 | 7.6 | 7.6 | 7.6 | 9.0 |
| 177.5° | 6.1 | 9.0 | 7.6 | 9.0 | 10.6 | 9.0 | 7.6 | 6.1 | 7.6 | 6.1 | 6.1 |
| 180° | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 |

(END OF REPORT)