

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: P588559

Luminaire Tested: **GAT-CA6-LED-90-760-U-33-5-6-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588559
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2107-308-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 11/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GAT-CA6-LED-90-760-U-33-5-6-X
Description: GENERATIONS SERIES AVENUE WITH AVENUE CAGE AND TYPE III REFRACTOR
Light Source: (6) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8714 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B3 - U3 - G3

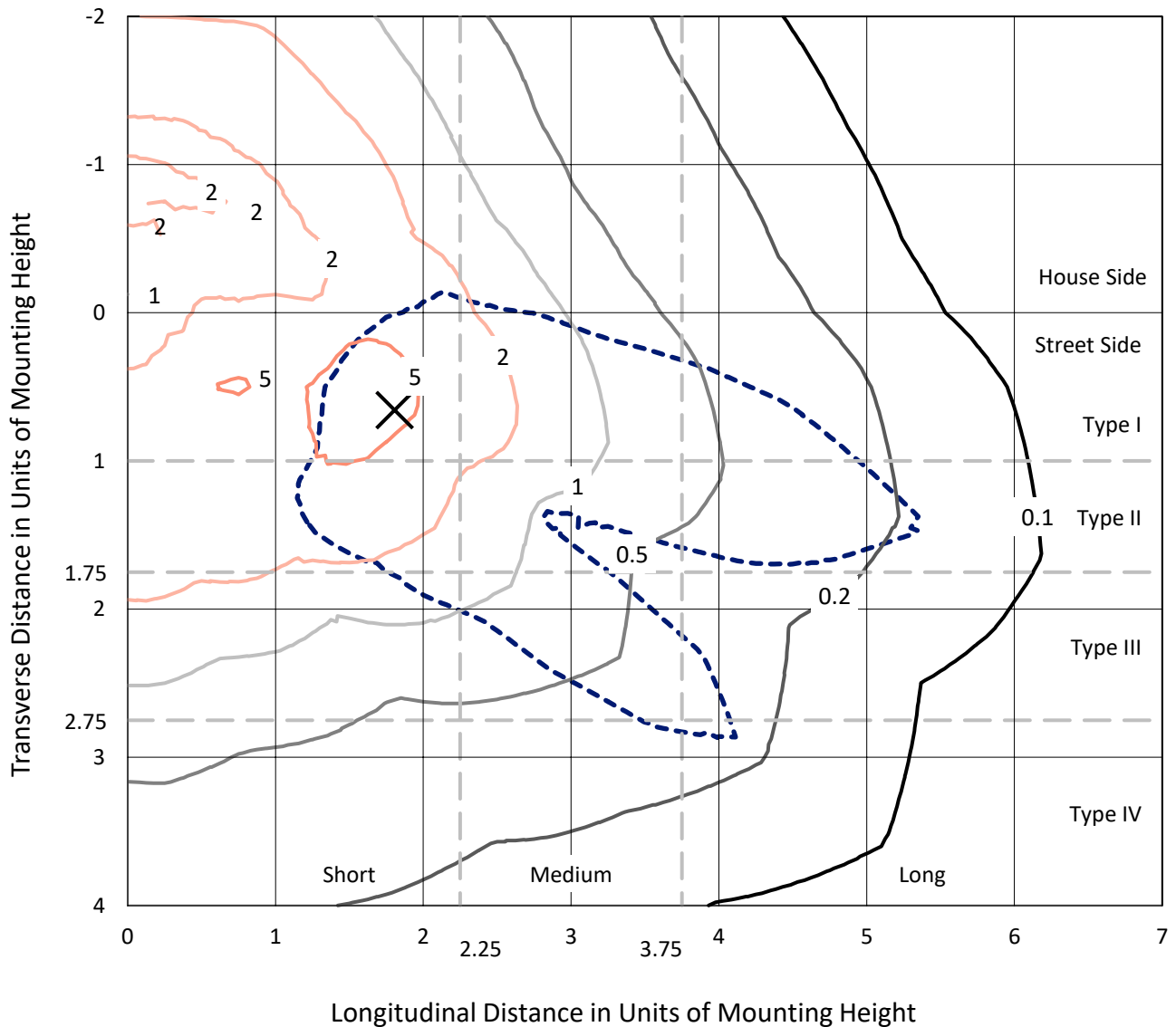
Input Watts (W): 93.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P588559
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Iso-Footcandle Lines of Horizontal Illumination

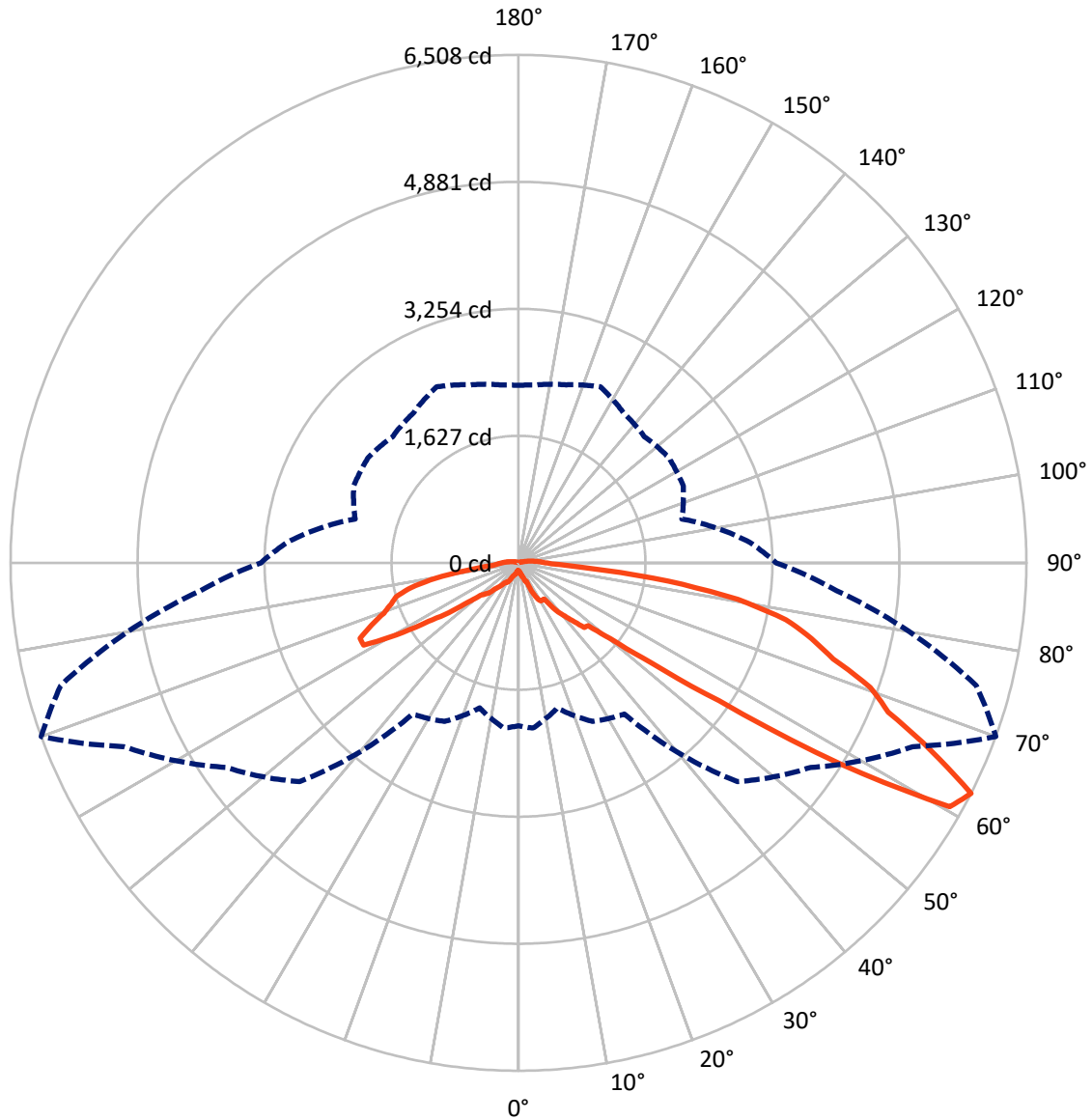
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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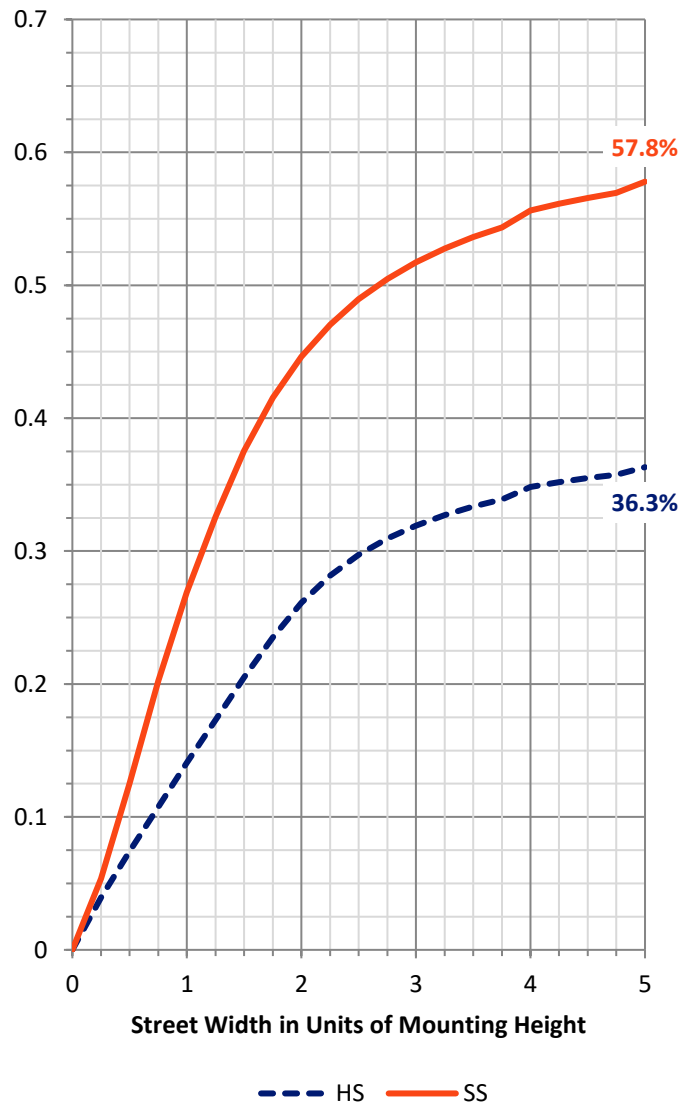
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3229.6 | 118.4 | 3348.0 |
| | % Fixture | 37.1 | 1.4 | 38.4 |
| Street Side | Lumens | 5203.3 | 162.7 | 5366.0 |
| | % Fixture | 59.7 | 1.9 | 61.6 |
| Total | Lumens | 8432.9 | 281.1 | 8714.0 |
| | % Fixture | 96.8 | 3.2 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 11.0 | 0.1 |
| 10°-20° | 47.4 | 0.5 |
| 20°-30° | 147.0 | 1.7 |
| 30°-40° | 315.3 | 3.6 |
| 40°-50° | 590.6 | 6.8 |
| 50°-60° | 1532.7 | 17.6 |
| 60°-70° | 2807.6 | 32.2 |
| 70°-80° | 2252.0 | 25.8 |
| 80°-90° | 729.2 | 8.4 |
| 90°-100° | 192.1 | 2.2 |
| 100°-110° | 62.5 | 0.7 |
| 110°-120° | 24.5 | 0.3 |
| 120°-130° | 1.9 | 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° | 8432.9 | 96.8 |
| 0°-180° | 8714.0 | 100.0 |

Coefficient of Utilization



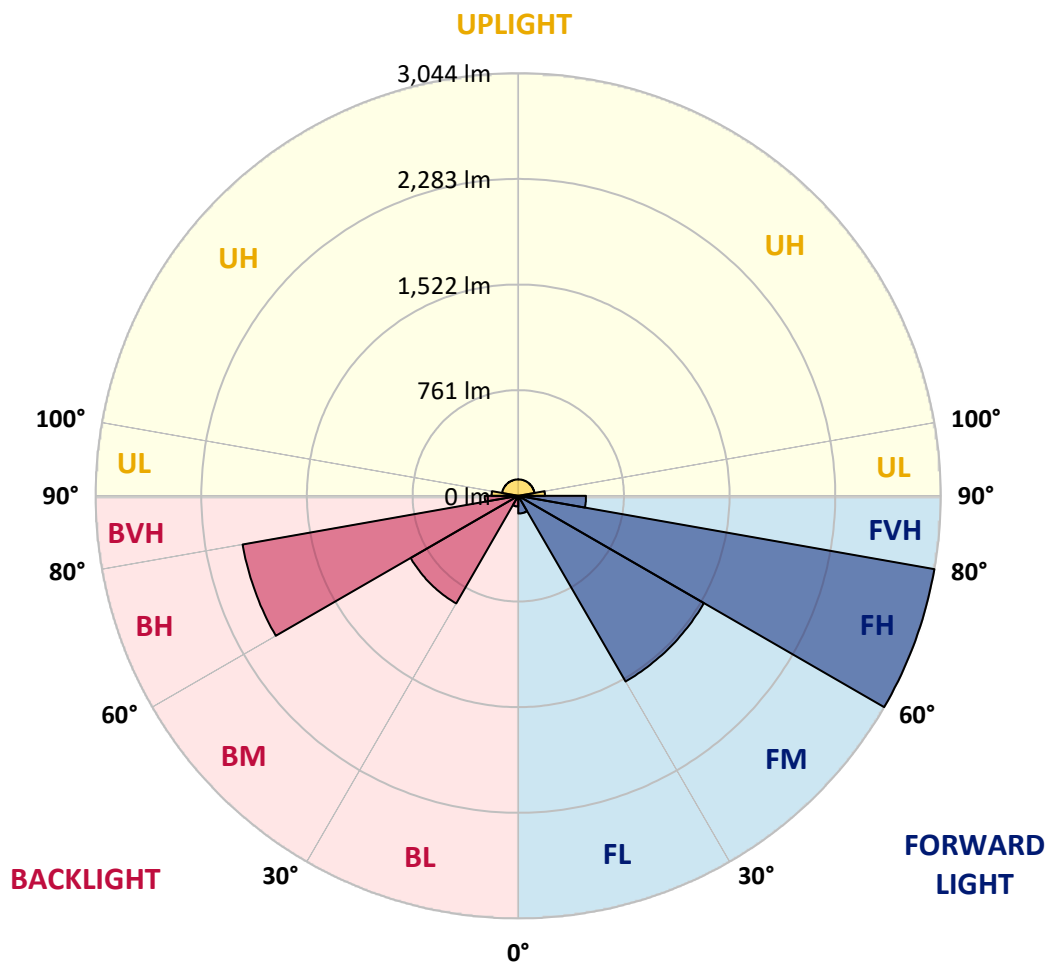
REPORT NUMBER: P588559
 CATALOG NUMBER: GAT-CA6-LED-90-760-U-33-5-6-X

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|--------|---------|
| | | | B | U | G |
| FL (0°-30°) | 127.9 | 1.5 | | | |
| FM (30°-60°) | 1544.0 | 17.7 | | | |
| FH (60°-80°) | 3043.6 | 34.9 | | | G2/5000 |
| FVH (80°-90°) | 487.9 | 5.6 | | | G3/500 |
| BL (0°-30°) | 77.6 | 0.9 | B0/110 | | |
| BM (30°-60°) | 894.6 | 10.3 | B1/1000 | | |
| BH (60°-80°) | 2016.1 | 23.1 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 241.4 | 2.8 | | | G3/500 |
| UL (90°-100°) | 192.1 | 2.2 | | U3/500 | |
| UH (100°-180°) | 118.4 | 1.4 | | U3/500 | |

BUG Rating: B3-U3-G3

Type III Short





REPORT NUMBER: P588559
 CATALOG NUMBER: GAT-CA6-LED-90-760-U-33-5-6-X

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 70° | 75° | 85° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 103.3 | 103.3 | 103.3 | 103.3 | 103.3 | 103.3 | 103.3 | 103.3 | 103.3 | 103.3 | 103.3 |
| 2.5° | 111.6 | 111.6 | 111.6 | 109.9 | 108.3 | 106.6 | 104.9 | 104.9 | 103.3 | 101.6 | 100.0 |
| 5° | 121.6 | 119.9 | 118.3 | 114.9 | 113.3 | 113.3 | 111.6 | 111.6 | 111.6 | 109.9 | 108.3 |
| 7.5° | 134.9 | 134.9 | 133.3 | 131.6 | 129.9 | 128.3 | 126.6 | 124.9 | 124.9 | 123.3 | 121.6 |
| 10° | 153.3 | 153.3 | 153.3 | 151.6 | 151.6 | 149.9 | 146.6 | 144.9 | 141.6 | 139.9 | 134.9 |
| 12.5° | 171.6 | 173.2 | 169.9 | 169.9 | 169.9 | 168.2 | 164.9 | 163.3 | 159.9 | 156.6 | 149.9 |
| 15° | 189.9 | 188.2 | 186.6 | 184.9 | 188.2 | 188.2 | 186.6 | 186.6 | 179.9 | 174.9 | 163.3 |
| 17.5° | 206.6 | 206.6 | 208.2 | 208.2 | 213.2 | 211.6 | 211.6 | 209.9 | 206.6 | 198.2 | 183.2 |
| 20° | 233.2 | 234.9 | 234.9 | 234.9 | 251.5 | 258.2 | 259.9 | 261.5 | 256.5 | 239.9 | 209.9 |
| 22.5° | 259.9 | 261.5 | 273.2 | 269.9 | 269.9 | 269.9 | 286.5 | 278.2 | 256.5 | 236.5 | 219.9 |
| 25° | 351.5 | 356.5 | 359.8 | 371.5 | 384.8 | 421.5 | 479.8 | 461.4 | 428.1 | 359.8 | 303.2 |
| 27.5° | 439.8 | 446.4 | 506.4 | 589.7 | 601.4 | 558.1 | 599.7 | 544.7 | 528.1 | 458.1 | 411.5 |
| 30° | 479.8 | 491.4 | 594.7 | 651.3 | 671.3 | 614.7 | 674.7 | 569.7 | 564.7 | 514.7 | 474.8 |
| 32.5° | 489.8 | 498.1 | 611.4 | 618.0 | 623.0 | 616.4 | 706.3 | 578.0 | 566.4 | 516.4 | 458.1 |
| 35° | 474.8 | 484.8 | 561.4 | 523.1 | 524.7 | 643.0 | 811.3 | 623.0 | 569.7 | 483.1 | 418.1 |
| 37.5° | 584.7 | 584.7 | 649.7 | 659.7 | 703.0 | 846.2 | 1062.8 | 822.9 | 763.0 | 629.7 | 549.7 |
| 40° | 666.3 | 674.7 | 777.9 | 816.3 | 822.9 | 944.5 | 1331.0 | 964.5 | 879.6 | 704.7 | 643.0 |
| 42.5° | 776.3 | 774.6 | 869.6 | 896.2 | 914.5 | 959.5 | 1361.0 | 1109.4 | 1009.5 | 797.9 | 751.3 |
| 45° | 794.6 | 821.3 | 907.9 | 877.9 | 901.2 | 1016.2 | 1421.0 | 1314.3 | 1181.1 | 974.5 | 877.9 |
| 47.5° | 721.3 | 758.0 | 932.9 | 907.9 | 814.6 | 867.9 | 1139.4 | 1349.3 | 1202.7 | 1001.2 | 932.9 |
| 50° | 777.9 | 797.9 | 884.6 | 867.9 | 743.0 | 922.9 | 1251.0 | 1690.8 | 1527.6 | 1191.1 | 1016.2 |
| 52.5° | 1006.2 | 1049.5 | 1064.5 | 1129.4 | 1069.5 | 1381.0 | 1750.8 | 2142.3 | 2120.6 | 1724.1 | 1341.0 |
| 55° | 1292.7 | 1356.0 | 1422.6 | 1669.2 | 1704.2 | 2168.9 | 2443.8 | 2861.9 | 3121.8 | 2727.0 | 2057.3 |
| 57.5° | 1602.5 | 1692.5 | 1670.8 | 2029.0 | 2084.0 | 2938.5 | 3191.7 | 4171.3 | 4865.9 | 4329.5 | 3013.5 |
| 60° | 1902.4 | 1962.4 | 1840.8 | 2155.6 | 2260.5 | 3699.8 | 4071.3 | 5432.3 | 6346.8 | 5775.5 | 3711.5 |
| 62.5° | 2087.3 | 2125.6 | 1925.7 | 2242.2 | 2365.5 | 3964.7 | 4569.4 | 5573.9 | 6508.4 | 6073.7 | 4089.6 |
| 65° | 2085.6 | 2075.6 | 1847.4 | 2122.3 | 2105.6 | 3659.9 | 4416.1 | 4684.3 | 5813.8 | 5740.5 | 4137.9 |
| 67.5° | 2004.0 | 2007.3 | 1767.5 | 1985.7 | 1917.4 | 3226.7 | 4091.3 | 3963.0 | 5110.8 | 5209.1 | 4024.7 |
| 70° | 1925.7 | 1965.7 | 1737.5 | 1927.4 | 1895.7 | 3103.5 | 3949.7 | 3566.6 | 4781.0 | 4967.5 | 3904.7 |
| 72.5° | 1815.8 | 1854.1 | 1639.2 | 1805.8 | 1817.4 | 2856.9 | 3708.2 | 3113.5 | 4216.2 | 4441.1 | 3499.9 |
| 75° | 1814.1 | 1862.4 | 1660.8 | 1807.4 | 1825.8 | 2717.0 | 3738.1 | 2956.9 | 3878.1 | 4179.6 | 3266.7 |
| 77.5° | 1710.8 | 1754.1 | 1567.6 | 1704.2 | 1755.8 | 2458.8 | 3566.6 | 2762.0 | 3503.3 | 3841.4 | 2961.9 |
| 80° | 1374.3 | 1432.6 | 1279.4 | 1369.3 | 1397.6 | 1844.1 | 2860.2 | 2262.2 | 2850.3 | 3188.4 | 2420.5 |
| 82.5° | 939.5 | 992.8 | 891.2 | 957.9 | 994.5 | 1209.4 | 1977.4 | 1629.2 | 1937.4 | 2143.9 | 1515.9 |
| 85° | 543.1 | 606.4 | 546.4 | 538.1 | 556.4 | 638.0 | 1064.5 | 866.2 | 901.2 | 947.9 | 673.0 |
| 87.5° | 341.5 | 351.5 | 321.5 | 323.2 | 326.5 | 349.8 | 484.8 | 386.5 | 426.5 | 483.1 | 408.1 |
| 90° | 271.5 | 281.5 | 259.9 | 261.5 | 256.5 | 278.2 | 363.2 | 294.9 | 328.2 | 378.1 | 323.2 |
| 92.5° | 234.9 | 241.5 | 226.6 | 229.9 | 226.6 | 243.2 | 303.2 | 243.2 | 269.9 | 309.8 | 264.9 |
| 95° | 199.9 | 204.9 | 196.6 | 198.2 | 188.2 | 198.2 | 236.5 | 184.9 | 204.9 | 233.2 | 198.2 |
| 97.5° | 159.9 | 164.9 | 159.9 | 159.9 | 149.9 | 154.9 | 181.6 | 143.3 | 156.6 | 174.9 | 149.9 |
| 100° | 126.6 | 128.3 | 126.6 | 124.9 | 116.6 | 116.6 | 126.6 | 103.3 | 108.3 | 119.9 | 103.3 |
| 102.5° | 96.6 | 98.3 | 96.6 | 95.0 | 85.0 | 80.0 | 80.0 | 66.6 | 70.0 | 73.3 | 65.0 |
| 105° | 76.6 | 78.3 | 76.6 | 73.3 | 65.0 | 60.0 | 58.3 | 48.3 | 48.3 | 50.0 | 45.0 |
| 107.5° | 63.3 | 63.3 | 63.3 | 60.0 | 55.0 | 48.3 | 43.3 | 35.0 | 35.0 | 36.6 | 35.0 |
| 110° | 51.6 | 51.6 | 50.0 | 48.3 | 43.3 | 38.3 | 33.3 | 28.3 | 28.3 | 28.3 | 26.7 |



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 CATALOG NUMBER: GAT-CA6-LED-90-760-U-33-5-6-X

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 70° | 75° | 85° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 43.3 | 43.3 | 41.6 | 40.0 | 35.0 | 30.0 | 26.7 | 23.3 | 23.3 | 23.3 | 21.7 |
| 115° | 36.6 | 36.6 | 35.0 | 33.3 | 30.0 | 25.0 | 21.7 | 18.3 | 18.3 | 18.3 | 18.3 |
| 117.5° | 31.7 | 31.7 | 30.0 | 28.3 | 25.0 | 21.7 | 18.3 | 15.0 | 15.0 | 15.0 | 15.0 |
| 120° | 28.3 | 26.7 | 25.0 | 23.3 | 20.0 | 18.3 | 15.0 | 13.3 | 13.3 | 13.3 | 11.7 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 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: GAT-CA6-LED-90-760-U-33-5-6-X

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 103.3 | 103.3 | 103.3 | 103.3 | 103.3 | 103.3 | 103.3 | 103.3 | 103.3 | 103.3 | 103.3 |
| 2.5° | 100.0 | 100.0 | 98.3 | 98.3 | 98.3 | 96.6 | 96.6 | 98.3 | 98.3 | 98.3 | 98.3 |
| 5° | 106.6 | 104.9 | 101.6 | 98.3 | 96.6 | 95.0 | 93.3 | 93.3 | 96.6 | 96.6 | 96.6 |
| 7.5° | 119.9 | 118.3 | 113.3 | 109.9 | 106.6 | 103.3 | 101.6 | 100.0 | 101.6 | 103.3 | 103.3 |
| 10° | 133.3 | 131.6 | 124.9 | 119.9 | 118.3 | 114.9 | 113.3 | 111.6 | 113.3 | 113.3 | 113.3 |
| 12.5° | 146.6 | 143.3 | 138.3 | 131.6 | 128.3 | 126.6 | 124.9 | 123.3 | 123.3 | 123.3 | 123.3 |
| 15° | 158.3 | 153.3 | 148.3 | 143.3 | 139.9 | 136.6 | 134.9 | 133.3 | 134.9 | 136.6 | 136.6 |
| 17.5° | 176.6 | 171.6 | 159.9 | 151.6 | 149.9 | 146.6 | 144.9 | 144.9 | 146.6 | 148.3 | 148.3 |
| 20° | 196.6 | 186.6 | 173.2 | 164.9 | 163.3 | 158.3 | 156.6 | 156.6 | 158.3 | 159.9 | 159.9 |
| 22.5° | 213.2 | 206.6 | 186.6 | 174.9 | 173.2 | 171.6 | 173.2 | 173.2 | 174.9 | 176.6 | 176.6 |
| 25° | 271.5 | 244.9 | 216.6 | 208.2 | 206.6 | 203.2 | 199.9 | 198.2 | 199.9 | 204.9 | 206.6 |
| 27.5° | 366.5 | 318.2 | 264.9 | 246.5 | 246.5 | 249.9 | 256.5 | 259.9 | 253.2 | 249.9 | 251.5 |
| 30° | 429.8 | 364.8 | 288.2 | 271.5 | 274.9 | 291.5 | 306.5 | 316.5 | 309.8 | 304.8 | 306.5 |
| 32.5° | 413.1 | 353.2 | 298.2 | 294.9 | 304.8 | 318.2 | 326.5 | 331.5 | 344.8 | 349.8 | 356.5 |
| 35° | 376.5 | 331.5 | 301.5 | 314.8 | 321.5 | 321.5 | 321.5 | 321.5 | 346.5 | 369.8 | 376.5 |
| 37.5° | 459.8 | 383.1 | 358.2 | 363.2 | 358.2 | 353.2 | 358.2 | 371.5 | 393.1 | 411.5 | 416.5 |
| 40° | 539.7 | 443.1 | 401.5 | 398.1 | 396.5 | 413.1 | 443.1 | 466.4 | 473.1 | 456.4 | 459.8 |
| 42.5° | 628.0 | 501.4 | 448.1 | 453.1 | 466.4 | 493.1 | 526.4 | 526.4 | 526.4 | 511.4 | 516.4 |
| 45° | 711.3 | 569.7 | 538.1 | 551.4 | 551.4 | 564.7 | 583.0 | 571.4 | 586.4 | 593.0 | 601.4 |
| 47.5° | 809.6 | 661.3 | 591.4 | 579.7 | 581.4 | 608.0 | 614.7 | 609.7 | 619.7 | 608.0 | 608.0 |
| 50° | 839.6 | 676.3 | 621.4 | 666.3 | 666.3 | 636.4 | 611.4 | 614.7 | 643.0 | 674.7 | 681.3 |
| 52.5° | 1067.8 | 837.9 | 787.9 | 834.6 | 854.6 | 802.9 | 802.9 | 809.6 | 816.3 | 839.6 | 846.2 |
| 55° | 1597.5 | 1194.4 | 1044.5 | 1152.8 | 1167.8 | 1199.4 | 1286.0 | 1272.7 | 1196.1 | 1157.8 | 1154.4 |
| 57.5° | 2388.8 | 1772.5 | 1301.0 | 1454.3 | 1550.9 | 1680.8 | 1745.8 | 1707.5 | 1604.2 | 1569.2 | 1530.9 |
| 60° | 3053.5 | 2427.1 | 1685.8 | 1952.4 | 2097.3 | 2118.9 | 2095.6 | 2099.0 | 2020.7 | 2045.7 | 2035.7 |
| 62.5° | 3300.0 | 2978.5 | 2167.3 | 2328.8 | 2350.5 | 2283.9 | 2345.5 | 2487.1 | 2360.5 | 2285.5 | 2273.9 |
| 65° | 3373.3 | 3183.4 | 2302.2 | 2197.2 | 2177.3 | 2165.6 | 2408.8 | 2645.4 | 2362.2 | 2187.2 | 2185.6 |
| 67.5° | 3300.0 | 2973.5 | 2130.6 | 1957.4 | 2004.0 | 2099.0 | 2415.5 | 2503.8 | 2237.2 | 2044.0 | 2030.7 |
| 70° | 3205.1 | 2635.4 | 1917.4 | 1767.5 | 1875.7 | 2014.0 | 2215.6 | 2180.6 | 2075.6 | 1904.1 | 1895.7 |
| 72.5° | 2860.2 | 2283.9 | 1780.8 | 1655.8 | 1779.1 | 1819.1 | 1919.0 | 1904.1 | 1934.0 | 1825.8 | 1820.8 |
| 75° | 2560.4 | 2097.3 | 1699.2 | 1552.6 | 1612.5 | 1605.9 | 1685.8 | 1704.2 | 1789.1 | 1742.5 | 1724.1 |
| 77.5° | 2208.9 | 1824.1 | 1497.6 | 1327.7 | 1351.0 | 1349.3 | 1387.6 | 1399.3 | 1459.3 | 1462.6 | 1442.6 |
| 80° | 1729.1 | 1429.3 | 1169.4 | 999.5 | 1002.8 | 972.9 | 977.8 | 976.2 | 987.8 | 1001.2 | 982.8 |
| 82.5° | 992.8 | 797.9 | 663.0 | 554.7 | 531.4 | 491.4 | 483.1 | 486.4 | 481.4 | 478.1 | 478.1 |
| 85° | 486.4 | 378.1 | 348.2 | 311.5 | 298.2 | 288.2 | 293.2 | 303.2 | 308.2 | 298.2 | 293.2 |
| 87.5° | 328.2 | 283.2 | 269.9 | 254.9 | 248.2 | 238.2 | 244.9 | 253.2 | 259.9 | 251.5 | 249.9 |
| 90° | 259.9 | 224.9 | 221.6 | 218.2 | 213.2 | 204.9 | 211.6 | 221.6 | 226.6 | 219.9 | 216.6 |
| 92.5° | 209.9 | 181.6 | 181.6 | 179.9 | 174.9 | 168.2 | 176.6 | 184.9 | 189.9 | 184.9 | 183.2 |
| 95° | 161.6 | 139.9 | 144.9 | 141.6 | 136.6 | 134.9 | 139.9 | 146.6 | 149.9 | 146.6 | 146.6 |
| 97.5° | 124.9 | 109.9 | 114.9 | 113.3 | 106.6 | 104.9 | 108.3 | 113.3 | 116.6 | 113.3 | 111.6 |
| 100° | 85.0 | 78.3 | 85.0 | 85.0 | 78.3 | 75.0 | 78.3 | 83.3 | 85.0 | 85.0 | 83.3 |
| 102.5° | 56.6 | 53.3 | 61.6 | 63.3 | 60.0 | 56.6 | 58.3 | 61.6 | 63.3 | 63.3 | 63.3 |
| 105° | 40.0 | 40.0 | 48.3 | 50.0 | 46.6 | 43.3 | 46.6 | 48.3 | 48.3 | 48.3 | 48.3 |
| 107.5° | 31.7 | 33.3 | 38.3 | 41.6 | 38.3 | 35.0 | 36.6 | 38.3 | 38.3 | 38.3 | 40.0 |
| 110° | 26.7 | 26.7 | 31.7 | 35.0 | 31.7 | 30.0 | 30.0 | 30.0 | 30.0 | 31.7 | 35.0 |



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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 21.7 | 23.3 | 26.7 | 28.3 | 26.7 | 25.0 | 25.0 | 25.0 | 25.0 | 26.7 | 31.7 |
| 115° | 18.3 | 20.0 | 23.3 | 23.3 | 21.7 | 21.7 | 21.7 | 20.0 | 20.0 | 21.7 | 30.0 |
| 117.5° | 15.0 | 16.7 | 18.3 | 18.3 | 18.3 | 16.7 | 16.7 | 16.7 | 16.7 | 20.0 | 31.7 |
| 120° | 13.3 | 13.3 | 15.0 | 15.0 | 13.3 | 13.3 | 13.3 | 13.3 | 11.7 | 16.7 | 25.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)