

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: P588507

Luminaire Tested: **GAT-CA6-LED-70-750-U-33-5-6-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588507
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-70-750-U-33-5-6-X
Description: GENERATIONS SERIES AVENUE WITH AVENUE CAGE AND TYPE III REFRACTOR
Light Source: (6) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7146 lumens
Efficiency: N/A
Efficacy: 96.7 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

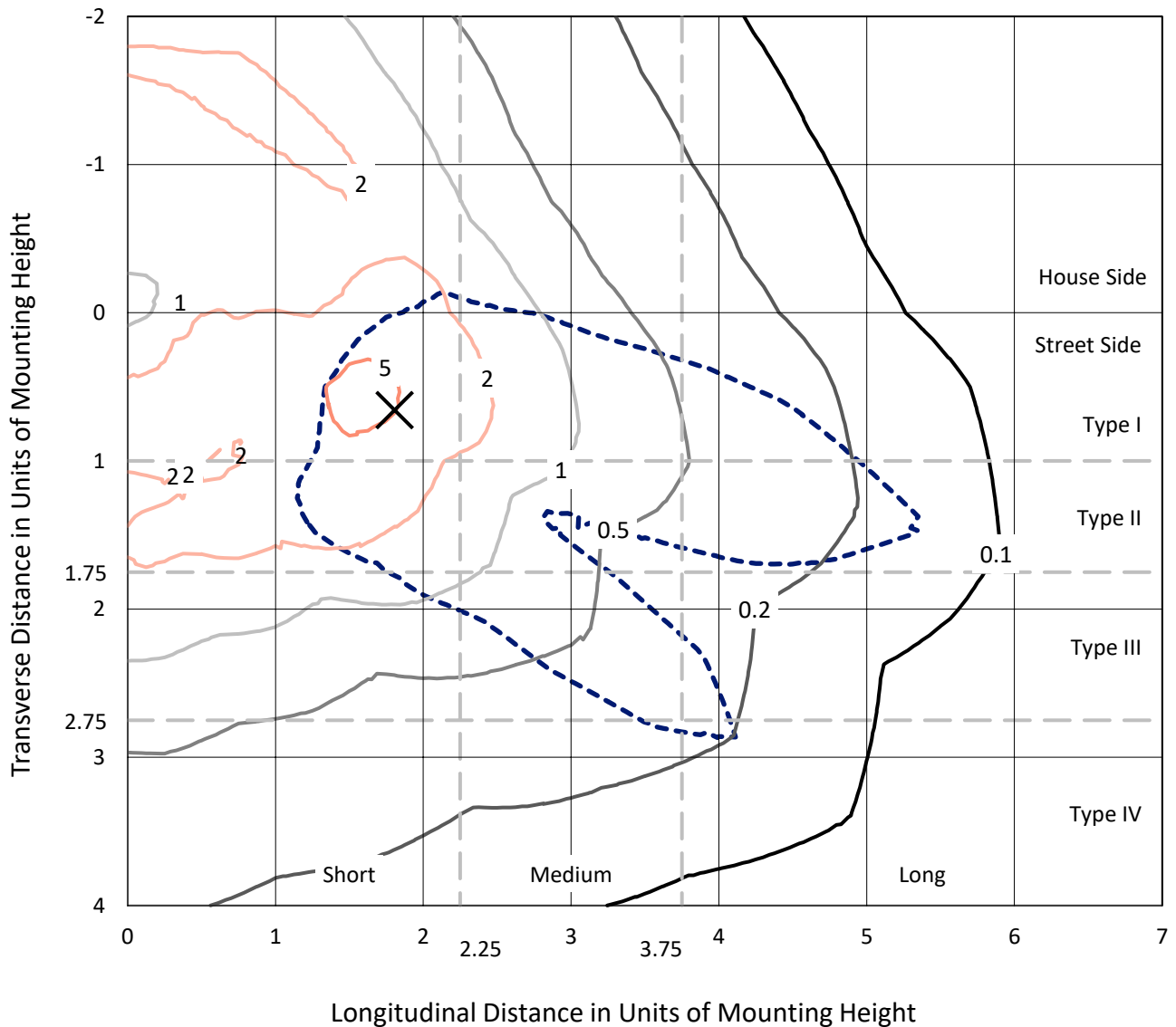
Input Watts (W): 73.9
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P588507
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Iso-Footcandle Lines of Horizontal Illumination

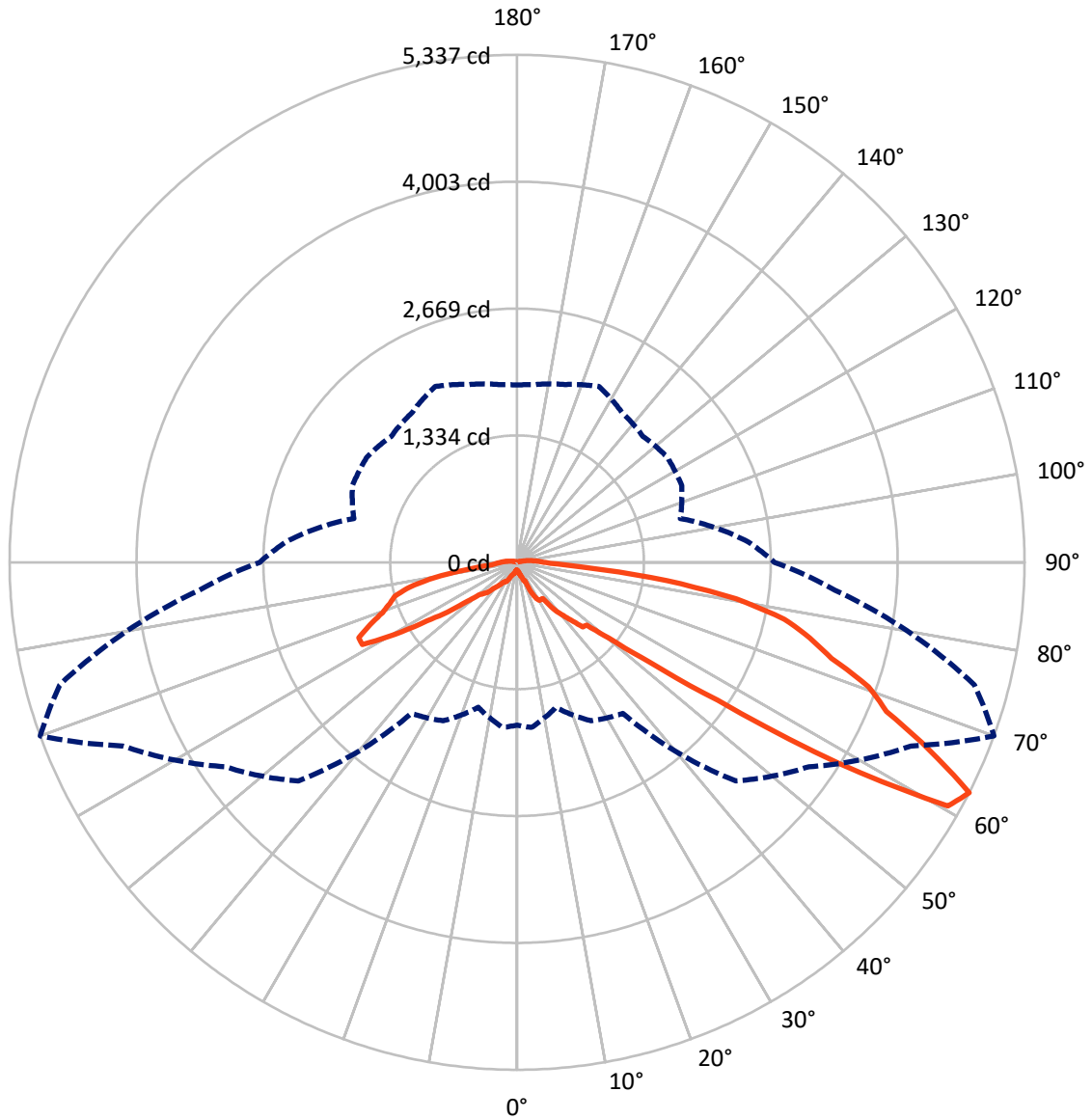
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.2 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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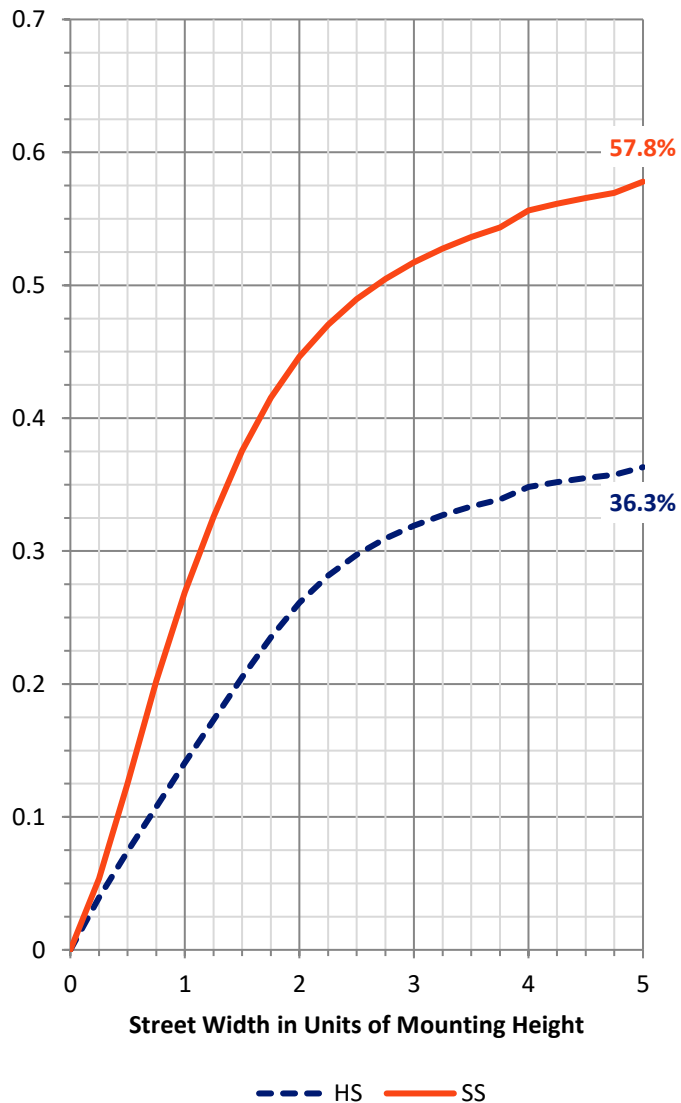
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2648.5 | 97.1 | 2745.6 |
| | % Fixture | 37.1 | 1.4 | 38.4 |
| Street Side | Lumens | 4267.0 | 133.4 | 4400.4 |
| | % Fixture | 59.7 | 1.9 | 61.6 |
| Total | Lumens | 6915.5 | 230.5 | 7146.0 |
| | % Fixture | 96.8 | 3.2 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 9.0 | 0.1 |
| 10°-20° | 38.9 | 0.5 |
| 20°-30° | 120.5 | 1.7 |
| 30°-40° | 258.5 | 3.6 |
| 40°-50° | 484.4 | 6.8 |
| 50°-60° | 1256.9 | 17.6 |
| 60°-70° | 2302.4 | 32.2 |
| 70°-80° | 1846.8 | 25.8 |
| 80°-90° | 598.0 | 8.4 |
| 90°-100° | 157.6 | 2.2 |
| 100°-110° | 51.3 | 0.7 |
| 110°-120° | 20.1 | 0.3 |
| 120°-130° | 1.6 | 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° | 6915.5 | 96.8 |
| 0°-180° | 7146.0 | 100.0 |

Coefficient of Utilization



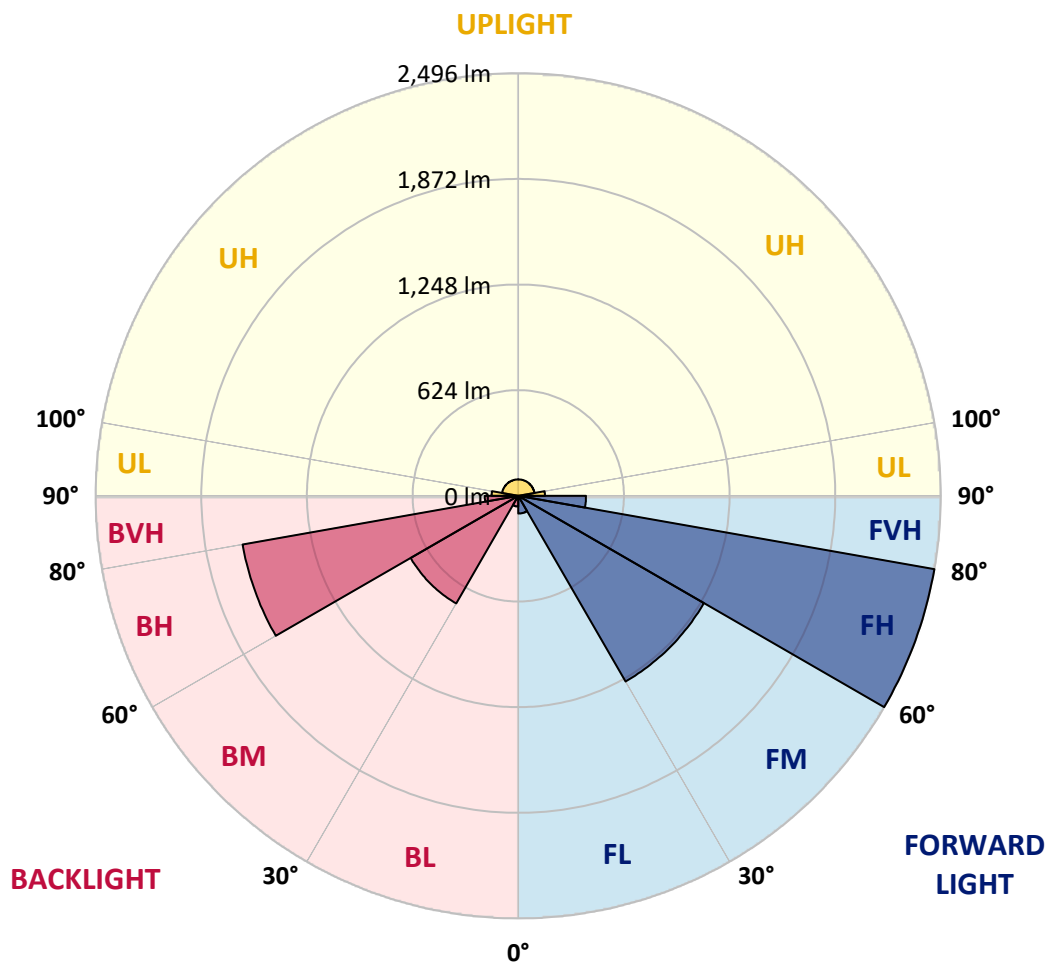
REPORT NUMBER: P588507
 CATALOG NUMBER: GAT-CA6-LED-70-750-U-33-5-6-X

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|--------|---------|
| | | | B | U | G |
| FL (0°-30°) | 104.8 | 1.5 | | | |
| FM (30°-60°) | 1266.2 | 17.7 | | | |
| FH (60°-80°) | 2495.9 | 34.9 | | | G2/5000 |
| FVH (80°-90°) | 400.1 | 5.6 | | | G3/500 |
| BL (0°-30°) | 63.6 | 0.9 | B0/110 | | |
| BM (30°-60°) | 733.6 | 10.3 | B1/1000 | | |
| BH (60°-80°) | 1653.3 | 23.1 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 197.9 | 2.8 | | | G2/225 |
| UL (90°-100°) | 157.6 | 2.2 | | U3/500 | |
| UH (100°-180°) | 97.1 | 1.4 | | U3/500 | |

BUG Rating: B3-U3-G3

Type III Short





REPORT NUMBER: P588507
 CATALOG NUMBER: GAT-CA6-LED-70-750-U-33-5-6-X

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 70° | 75° | 85° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| 2.5° | 91.5 | 91.5 | 91.5 | 90.2 | 88.8 | 87.4 | 86.1 | 86.1 | 84.7 | 83.3 | 82.0 |
| 5° | 99.7 | 98.4 | 97.0 | 94.3 | 92.9 | 92.9 | 91.5 | 91.5 | 91.5 | 90.2 | 88.8 |
| 7.5° | 110.7 | 110.7 | 109.3 | 107.9 | 106.6 | 105.2 | 103.8 | 102.5 | 102.5 | 101.1 | 99.7 |
| 10° | 125.7 | 125.7 | 125.7 | 124.3 | 124.3 | 122.9 | 120.2 | 118.8 | 116.1 | 114.8 | 110.7 |
| 12.5° | 140.7 | 142.1 | 139.3 | 139.3 | 139.3 | 138.0 | 135.2 | 133.9 | 131.1 | 128.4 | 122.9 |
| 15° | 155.7 | 154.4 | 153.0 | 151.6 | 154.4 | 154.4 | 153.0 | 153.0 | 147.5 | 143.4 | 133.9 |
| 17.5° | 169.4 | 169.4 | 170.8 | 170.8 | 174.9 | 173.5 | 173.5 | 172.1 | 169.4 | 162.6 | 150.3 |
| 20° | 191.3 | 192.6 | 192.6 | 192.6 | 206.3 | 211.7 | 213.1 | 214.5 | 210.4 | 196.7 | 172.1 |
| 22.5° | 213.1 | 214.5 | 224.0 | 221.3 | 221.3 | 221.3 | 235.0 | 228.1 | 210.4 | 194.0 | 180.3 |
| 25° | 288.2 | 292.3 | 295.1 | 304.6 | 315.6 | 345.6 | 393.4 | 378.4 | 351.1 | 295.1 | 248.6 |
| 27.5° | 360.6 | 366.1 | 415.3 | 483.6 | 493.2 | 457.6 | 491.8 | 446.7 | 433.0 | 375.7 | 337.4 |
| 30° | 393.4 | 403.0 | 487.7 | 534.1 | 550.5 | 504.1 | 553.3 | 467.2 | 463.1 | 422.1 | 389.3 |
| 32.5° | 401.6 | 408.5 | 501.4 | 506.8 | 510.9 | 505.5 | 579.2 | 474.0 | 464.5 | 423.5 | 375.7 |
| 35° | 389.3 | 397.5 | 460.4 | 429.0 | 430.3 | 527.3 | 665.3 | 510.9 | 467.2 | 396.2 | 342.9 |
| 37.5° | 479.5 | 479.5 | 532.8 | 541.0 | 576.5 | 694.0 | 871.6 | 674.8 | 625.7 | 516.4 | 450.8 |
| 40° | 546.4 | 553.3 | 638.0 | 669.4 | 674.8 | 774.6 | 1091.5 | 791.0 | 721.3 | 577.9 | 527.3 |
| 42.5° | 636.6 | 635.2 | 713.1 | 735.0 | 750.0 | 786.9 | 1116.1 | 909.8 | 827.8 | 654.4 | 616.1 |
| 45° | 651.6 | 673.5 | 744.5 | 719.9 | 739.1 | 833.3 | 1165.3 | 1077.8 | 968.6 | 799.2 | 719.9 |
| 47.5° | 591.5 | 621.6 | 765.0 | 744.5 | 668.0 | 711.7 | 934.4 | 1106.5 | 986.3 | 821.0 | 765.0 |
| 50° | 638.0 | 654.4 | 725.4 | 711.7 | 609.3 | 756.8 | 1025.9 | 1386.6 | 1252.7 | 976.8 | 833.3 |
| 52.5° | 825.1 | 860.6 | 872.9 | 926.2 | 877.0 | 1132.5 | 1435.8 | 1756.8 | 1739.0 | 1413.9 | 1099.7 |
| 55° | 1060.1 | 1112.0 | 1166.6 | 1368.8 | 1397.5 | 1778.6 | 2004.1 | 2346.9 | 2560.0 | 2236.3 | 1687.1 |
| 57.5° | 1314.2 | 1387.9 | 1370.2 | 1663.9 | 1709.0 | 2409.8 | 2617.4 | 3420.7 | 3990.3 | 3550.5 | 2471.3 |
| 60° | 1560.1 | 1609.3 | 1509.5 | 1767.7 | 1853.8 | 3034.1 | 3338.7 | 4454.8 | 5204.8 | 4736.2 | 3043.6 |
| 62.5° | 1711.7 | 1743.1 | 1579.2 | 1838.8 | 1939.8 | 3251.3 | 3747.2 | 4570.9 | 5337.3 | 4980.8 | 3353.7 |
| 65° | 1710.3 | 1702.1 | 1515.0 | 1740.4 | 1726.7 | 3001.3 | 3621.5 | 3841.4 | 4767.6 | 4707.5 | 3393.4 |
| 67.5° | 1643.4 | 1646.1 | 1449.4 | 1628.4 | 1572.4 | 2646.1 | 3355.1 | 3249.9 | 4191.2 | 4271.8 | 3300.5 |
| 70° | 1579.2 | 1612.0 | 1424.8 | 1580.6 | 1554.6 | 2545.0 | 3239.0 | 2924.8 | 3920.7 | 4073.7 | 3202.1 |
| 72.5° | 1489.0 | 1520.5 | 1344.2 | 1480.8 | 1490.4 | 2342.8 | 3040.9 | 2553.2 | 3457.6 | 3642.0 | 2870.2 |
| 75° | 1487.7 | 1527.3 | 1362.0 | 1482.2 | 1497.2 | 2228.1 | 3065.5 | 2424.8 | 3180.3 | 3427.5 | 2678.9 |
| 77.5° | 1403.0 | 1438.5 | 1285.5 | 1397.5 | 1439.9 | 2016.3 | 2924.8 | 2265.0 | 2872.9 | 3150.2 | 2428.9 |
| 80° | 1127.0 | 1174.8 | 1049.2 | 1122.9 | 1146.1 | 1512.3 | 2345.6 | 1855.1 | 2337.4 | 2614.7 | 1984.9 |
| 82.5° | 770.5 | 814.2 | 730.9 | 785.5 | 815.6 | 991.8 | 1621.5 | 1336.0 | 1588.8 | 1758.2 | 1243.1 |
| 85° | 445.3 | 497.3 | 448.1 | 441.2 | 456.3 | 523.2 | 872.9 | 710.4 | 739.1 | 777.3 | 551.9 |
| 87.5° | 280.0 | 288.2 | 263.7 | 265.0 | 267.8 | 286.9 | 397.5 | 316.9 | 349.7 | 396.2 | 334.7 |
| 90° | 222.7 | 230.9 | 213.1 | 214.5 | 210.4 | 228.1 | 297.8 | 241.8 | 269.1 | 310.1 | 265.0 |
| 92.5° | 192.6 | 198.1 | 185.8 | 188.5 | 185.8 | 199.4 | 248.6 | 199.4 | 221.3 | 254.1 | 217.2 |
| 95° | 163.9 | 168.0 | 161.2 | 162.6 | 154.4 | 162.6 | 194.0 | 151.6 | 168.0 | 191.3 | 162.6 |
| 97.5° | 131.1 | 135.2 | 131.1 | 131.1 | 122.9 | 127.0 | 148.9 | 117.5 | 128.4 | 143.4 | 122.9 |
| 100° | 103.8 | 105.2 | 103.8 | 102.5 | 95.6 | 95.6 | 103.8 | 84.7 | 88.8 | 98.4 | 84.7 |
| 102.5° | 79.2 | 80.6 | 79.2 | 77.9 | 69.7 | 65.6 | 65.6 | 54.6 | 57.4 | 60.1 | 53.3 |
| 105° | 62.8 | 64.2 | 62.8 | 60.1 | 53.3 | 49.2 | 47.8 | 39.6 | 39.6 | 41.0 | 36.9 |
| 107.5° | 51.9 | 51.9 | 51.9 | 49.2 | 45.1 | 39.6 | 35.5 | 28.7 | 28.7 | 30.1 | 28.7 |
| 110° | 42.3 | 42.3 | 41.0 | 39.6 | 35.5 | 31.4 | 27.3 | 23.2 | 23.2 | 23.2 | 21.9 |



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 CATALOG NUMBER: GAT-CA6-LED-70-750-U-33-5-6-X

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 70° | 75° | 85° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 35.5 | 35.5 | 34.2 | 32.8 | 28.7 | 24.6 | 21.9 | 19.1 | 19.1 | 19.1 | 17.8 |
| 115° | 30.1 | 30.1 | 28.7 | 27.3 | 24.6 | 20.5 | 17.8 | 15.0 | 15.0 | 15.0 | 15.0 |
| 117.5° | 26.0 | 26.0 | 24.6 | 23.2 | 20.5 | 17.8 | 15.0 | 12.3 | 12.3 | 12.3 | 12.3 |
| 120° | 23.2 | 21.9 | 20.5 | 19.1 | 16.4 | 15.0 | 12.3 | 10.9 | 10.9 | 10.9 | 9.6 |
| 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-70-750-U-33-5-6-X

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| 2.5° | 82.0 | 82.0 | 80.6 | 80.6 | 80.6 | 79.2 | 79.2 | 80.6 | 80.6 | 80.6 | 80.6 |
| 5° | 87.4 | 86.1 | 83.3 | 80.6 | 79.2 | 77.9 | 76.5 | 76.5 | 79.2 | 79.2 | 79.2 |
| 7.5° | 98.4 | 97.0 | 92.9 | 90.2 | 87.4 | 84.7 | 83.3 | 82.0 | 83.3 | 84.7 | 84.7 |
| 10° | 109.3 | 107.9 | 102.5 | 98.4 | 97.0 | 94.3 | 92.9 | 91.5 | 92.9 | 92.9 | 92.9 |
| 12.5° | 120.2 | 117.5 | 113.4 | 107.9 | 105.2 | 103.8 | 102.5 | 101.1 | 101.1 | 101.1 | 101.1 |
| 15° | 129.8 | 125.7 | 121.6 | 117.5 | 114.8 | 112.0 | 110.7 | 109.3 | 110.7 | 112.0 | 112.0 |
| 17.5° | 144.8 | 140.7 | 131.1 | 124.3 | 122.9 | 120.2 | 118.8 | 118.8 | 120.2 | 121.6 | 121.6 |
| 20° | 161.2 | 153.0 | 142.1 | 135.2 | 133.9 | 129.8 | 128.4 | 128.4 | 129.8 | 131.1 | 131.1 |
| 22.5° | 174.9 | 169.4 | 153.0 | 143.4 | 142.1 | 140.7 | 142.1 | 142.1 | 143.4 | 144.8 | 144.8 |
| 25° | 222.7 | 200.8 | 177.6 | 170.8 | 169.4 | 166.7 | 163.9 | 162.6 | 163.9 | 168.0 | 169.4 |
| 27.5° | 300.5 | 260.9 | 217.2 | 202.2 | 202.2 | 204.9 | 210.4 | 213.1 | 207.6 | 204.9 | 206.3 |
| 30° | 352.5 | 299.2 | 236.3 | 222.7 | 225.4 | 239.1 | 251.4 | 259.6 | 254.1 | 250.0 | 251.4 |
| 32.5° | 338.8 | 289.6 | 244.5 | 241.8 | 250.0 | 260.9 | 267.8 | 271.9 | 282.8 | 286.9 | 292.3 |
| 35° | 308.7 | 271.9 | 247.3 | 258.2 | 263.7 | 263.7 | 263.7 | 263.7 | 284.1 | 303.3 | 308.7 |
| 37.5° | 377.0 | 314.2 | 293.7 | 297.8 | 293.7 | 289.6 | 293.7 | 304.6 | 322.4 | 337.4 | 341.5 |
| 40° | 442.6 | 363.4 | 329.2 | 326.5 | 325.1 | 338.8 | 363.4 | 382.5 | 388.0 | 374.3 | 377.0 |
| 42.5° | 515.0 | 411.2 | 367.5 | 371.6 | 382.5 | 404.4 | 431.7 | 431.7 | 431.7 | 419.4 | 423.5 |
| 45° | 583.3 | 467.2 | 441.2 | 452.2 | 452.2 | 463.1 | 478.1 | 468.6 | 480.9 | 486.3 | 493.2 |
| 47.5° | 663.9 | 542.3 | 485.0 | 475.4 | 476.8 | 498.6 | 504.1 | 500.0 | 508.2 | 498.6 | 498.6 |
| 50° | 688.5 | 554.6 | 509.6 | 546.4 | 546.4 | 521.8 | 501.4 | 504.1 | 527.3 | 553.3 | 558.7 |
| 52.5° | 875.7 | 687.1 | 646.2 | 684.4 | 700.8 | 658.5 | 658.5 | 663.9 | 669.4 | 688.5 | 694.0 |
| 55° | 1310.1 | 979.5 | 856.5 | 945.3 | 957.6 | 983.6 | 1054.6 | 1043.7 | 980.9 | 949.4 | 946.7 |
| 57.5° | 1959.0 | 1453.5 | 1066.9 | 1192.6 | 1271.8 | 1378.4 | 1431.7 | 1400.2 | 1315.5 | 1286.9 | 1255.4 |
| 60° | 2504.0 | 1990.4 | 1382.5 | 1601.1 | 1719.9 | 1737.7 | 1718.5 | 1721.3 | 1657.1 | 1677.6 | 1669.4 |
| 62.5° | 2706.2 | 2442.6 | 1777.3 | 1909.8 | 1927.6 | 1872.9 | 1923.5 | 2039.6 | 1935.7 | 1874.3 | 1864.7 |
| 65° | 2766.3 | 2610.6 | 1887.9 | 1801.9 | 1785.5 | 1775.9 | 1975.4 | 2169.3 | 1937.1 | 1793.7 | 1792.3 |
| 67.5° | 2706.2 | 2438.5 | 1747.2 | 1605.2 | 1643.4 | 1721.3 | 1980.8 | 2053.2 | 1834.7 | 1676.2 | 1665.3 |
| 70° | 2628.4 | 2161.2 | 1572.4 | 1449.4 | 1538.2 | 1651.6 | 1816.9 | 1788.2 | 1702.1 | 1561.4 | 1554.6 |
| 72.5° | 2345.6 | 1872.9 | 1460.3 | 1357.9 | 1459.0 | 1491.8 | 1573.7 | 1561.4 | 1586.0 | 1497.2 | 1493.1 |
| 75° | 2099.7 | 1719.9 | 1393.4 | 1273.2 | 1322.4 | 1316.9 | 1382.5 | 1397.5 | 1467.2 | 1428.9 | 1413.9 |
| 77.5° | 1811.4 | 1495.9 | 1228.1 | 1088.8 | 1107.9 | 1106.5 | 1138.0 | 1147.5 | 1196.7 | 1199.4 | 1183.0 |
| 80° | 1418.0 | 1172.1 | 959.0 | 819.7 | 822.4 | 797.8 | 801.9 | 800.5 | 810.1 | 821.0 | 806.0 |
| 82.5° | 814.2 | 654.4 | 543.7 | 454.9 | 435.8 | 403.0 | 396.2 | 398.9 | 394.8 | 392.1 | 392.1 |
| 85° | 398.9 | 310.1 | 285.5 | 255.5 | 244.5 | 236.3 | 240.4 | 248.6 | 252.7 | 244.5 | 240.4 |
| 87.5° | 269.1 | 232.2 | 221.3 | 209.0 | 203.5 | 195.4 | 200.8 | 207.6 | 213.1 | 206.3 | 204.9 |
| 90° | 213.1 | 184.4 | 181.7 | 179.0 | 174.9 | 174.9 | 168.0 | 173.5 | 181.7 | 185.8 | 180.3 |
| 92.5° | 172.1 | 148.9 | 148.9 | 147.5 | 143.4 | 138.0 | 144.8 | 151.6 | 155.7 | 151.6 | 150.3 |
| 95° | 132.5 | 114.8 | 118.8 | 116.1 | 112.0 | 110.7 | 114.8 | 120.2 | 122.9 | 120.2 | 120.2 |
| 97.5° | 102.5 | 90.2 | 94.3 | 92.9 | 87.4 | 86.1 | 88.8 | 92.9 | 95.6 | 92.9 | 91.5 |
| 100° | 69.7 | 64.2 | 69.7 | 69.7 | 64.2 | 61.5 | 64.2 | 68.3 | 69.7 | 69.7 | 68.3 |
| 102.5° | 46.4 | 43.7 | 50.5 | 51.9 | 49.2 | 46.4 | 47.8 | 50.5 | 51.9 | 51.9 | 51.9 |
| 105° | 32.8 | 32.8 | 39.6 | 41.0 | 38.3 | 35.5 | 38.3 | 39.6 | 39.6 | 39.6 | 39.6 |
| 107.5° | 26.0 | 27.3 | 31.4 | 34.2 | 31.4 | 28.7 | 30.1 | 31.4 | 31.4 | 31.4 | 32.8 |
| 110° | 21.9 | 21.9 | 26.0 | 28.7 | 26.0 | 24.6 | 24.6 | 24.6 | 24.6 | 26.0 | 28.7 |



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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 17.8 | 19.1 | 21.9 | 23.2 | 21.9 | 20.5 | 20.5 | 20.5 | 20.5 | 21.9 | 26.0 |
| 115° | 15.0 | 16.4 | 19.1 | 19.1 | 17.8 | 17.8 | 17.8 | 16.4 | 16.4 | 17.8 | 24.6 |
| 117.5° | 12.3 | 13.7 | 15.0 | 15.0 | 15.0 | 13.7 | 13.7 | 13.7 | 13.7 | 16.4 | 26.0 |
| 120° | 10.9 | 10.9 | 12.3 | 12.3 | 10.9 | 10.9 | 10.9 | 10.9 | 9.6 | 13.7 | 20.5 |
| 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)