

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: P200603

Luminaire Tested: **GPC-AF-01-LED-E1-SL3-8030-600-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200603
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24289)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GPC-AF-01-LED-E1-SL3-8030-600-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2920 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 34
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

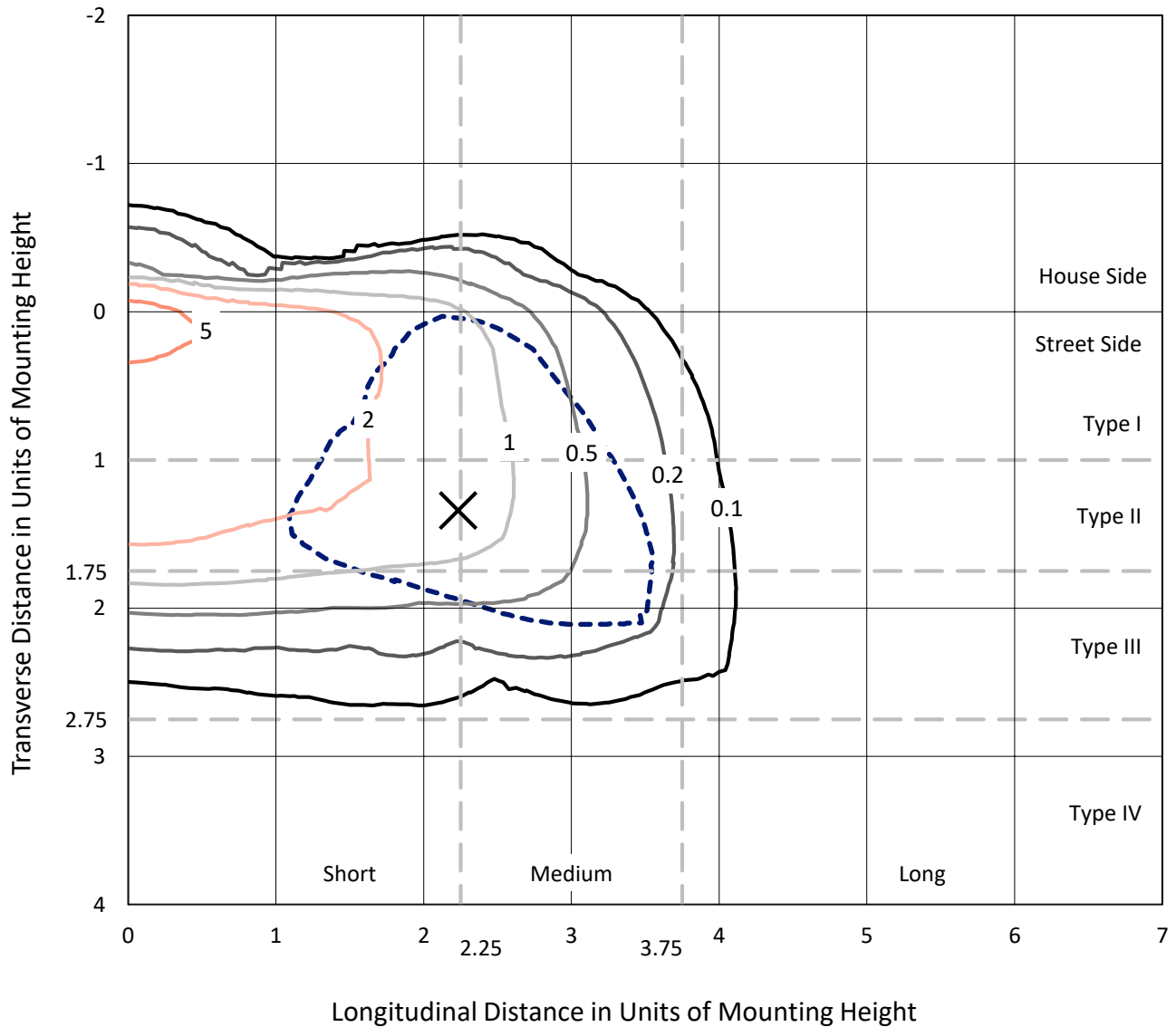


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Iso-Footcandle Lines of Horizontal Illumination

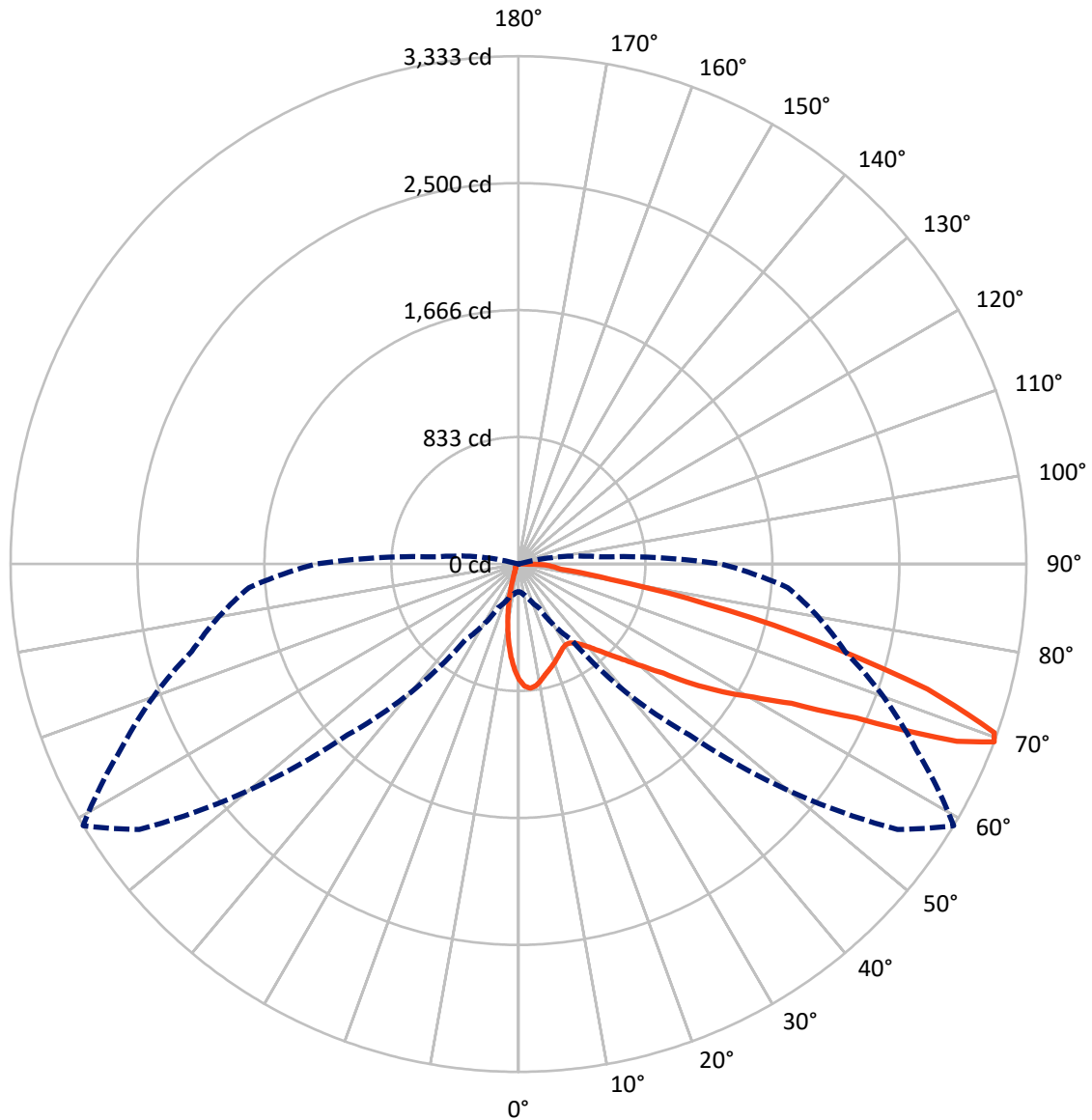
× Max cd
 - - - 1/2 Max cd



Based on 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 59-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 237.8 | 0.0 | 237.8 |
| | % Fixture | 8.1 | 0.0 | 8.1 |
| Street Side | Lumens | 2682.2 | 0.0 | 2682.2 |
| | % Fixture | 91.9 | 0.0 | 91.9 |
| Total | Lumens | 2920.0 | 0.0 | 2920.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 61.7 | 2.1 |
| 10°-20° | 127.5 | 4.4 |
| 20°-30° | 171.5 | 5.9 |
| 30°-40° | 249.1 | 8.5 |
| 40°-50° | 414.7 | 14.2 |
| 50°-60° | 646.9 | 22.2 |
| 60°-70° | 800.5 | 27.4 |
| 70°-80° | 405.7 | 13.9 |
| 80°-90° | 42.4 | 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° | 2920.0 | 100.0 |
| 0°-180° | 2920.0 | 100.0 |



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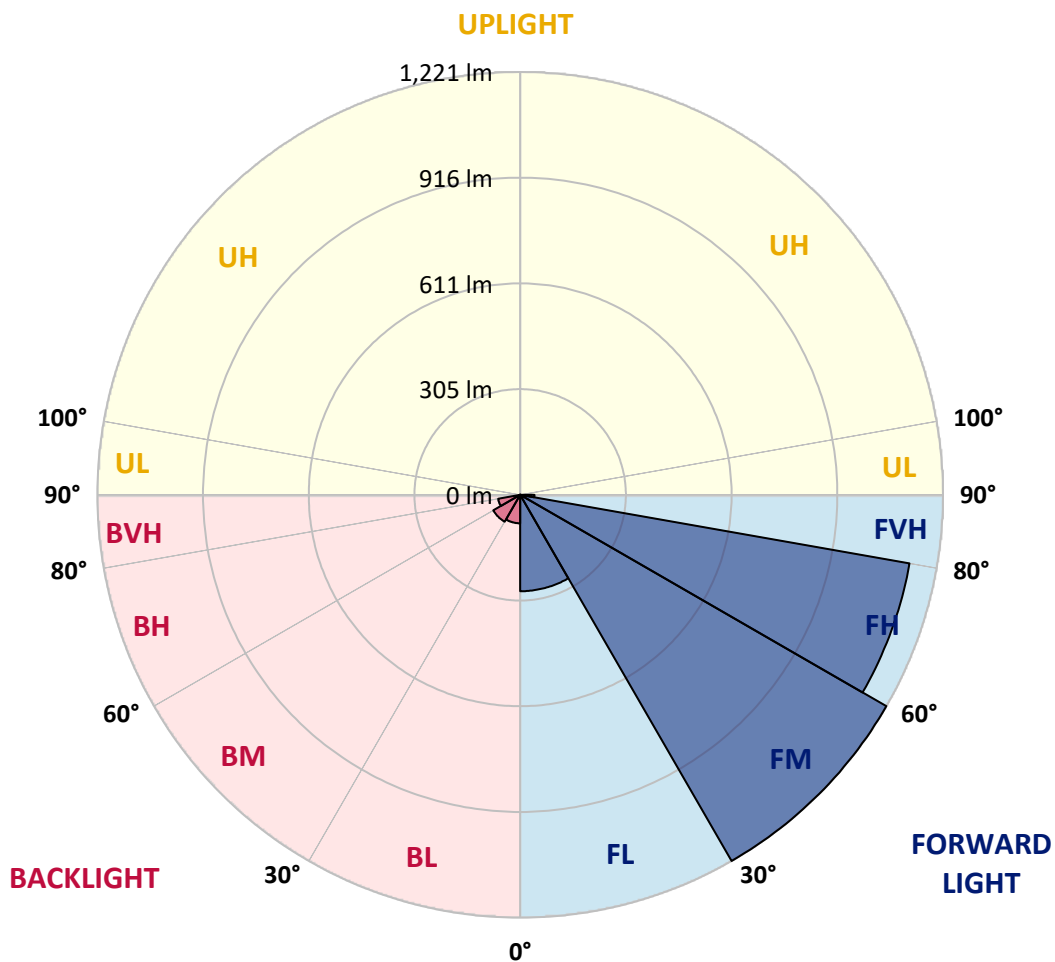
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 278.4 | 9.5 | | | |
| FM | (30°-60°) | 1221.1 | 41.8 | | | |
| FH | (60°-80°) | 1141.6 | 39.1 | | | G1/1800 |
| FVH | (80°-90°) | 41.1 | 1.4 | | | G1/100 |
| BL | (0°-30°) | 82.3 | 2.8 | B0/110 | | |
| BM | (30°-60°) | 89.6 | 3.1 | B0/220 | | |
| BH | (60°-80°) | 64.6 | 2.2 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 1.3 | 0.0 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B0-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 59° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 760.0 | 760.0 | 760.0 | 760.0 | 760.0 | 760.0 | 760.0 | 760.0 | 760.0 | 760.0 | 760.0 |
| 2.5° | 833.0 | 832.7 | 829.1 | 827.4 | 824.4 | 818.2 | 808.4 | 803.3 | 795.0 | 780.7 | 761.4 |
| 5° | 825.4 | 829.4 | 831.5 | 831.7 | 833.8 | 831.5 | 822.8 | 818.5 | 807.1 | 784.0 | 749.3 |
| 7.5° | 773.9 | 775.4 | 781.5 | 786.8 | 797.0 | 806.8 | 809.9 | 808.1 | 801.3 | 776.5 | 730.5 |
| 10° | 718.8 | 720.2 | 727.5 | 734.4 | 748.3 | 763.3 | 779.2 | 782.5 | 785.3 | 766.0 | 712.3 |
| 12.5° | 671.2 | 672.7 | 680.1 | 689.2 | 705.4 | 723.9 | 748.5 | 753.9 | 766.3 | 755.9 | 697.8 |
| 15° | 630.3 | 630.9 | 638.2 | 649.4 | 668.7 | 692.5 | 720.4 | 729.2 | 748.1 | 748.8 | 685.1 |
| 17.5° | 595.4 | 597.1 | 601.5 | 612.3 | 633.4 | 662.8 | 695.3 | 707.9 | 730.1 | 742.9 | 672.7 |
| 20° | 574.1 | 575.8 | 575.6 | 581.5 | 600.5 | 631.9 | 670.2 | 685.2 | 712.3 | 736.8 | 661.6 |
| 22.5° | 570.0 | 570.0 | 565.7 | 564.9 | 576.1 | 602.3 | 644.1 | 662.5 | 696.3 | 734.1 | 653.9 |
| 25° | 584.7 | 584.0 | 573.3 | 564.5 | 565.0 | 580.7 | 618.9 | 640.7 | 682.8 | 735.9 | 649.7 |
| 27.5° | 615.7 | 614.9 | 601.4 | 584.7 | 571.3 | 571.1 | 599.7 | 623.2 | 672.0 | 744.5 | 651.4 |
| 30° | 658.7 | 658.3 | 643.6 | 622.7 | 598.4 | 576.1 | 593.1 | 614.4 | 665.1 | 760.0 | 655.2 |
| 32.5° | 705.5 | 705.1 | 694.0 | 671.9 | 641.2 | 598.4 | 600.0 | 617.9 | 667.1 | 780.7 | 664.4 |
| 35° | 755.2 | 754.4 | 749.6 | 730.3 | 696.5 | 639.5 | 622.8 | 636.7 | 679.6 | 811.6 | 682.6 |
| 37.5° | 809.1 | 809.9 | 813.4 | 794.9 | 759.4 | 697.1 | 661.0 | 670.4 | 704.9 | 853.5 | 712.2 |
| 40° | 888.5 | 888.3 | 889.5 | 865.2 | 831.0 | 767.6 | 714.3 | 717.3 | 747.2 | 909.1 | 757.1 |
| 42.5° | 1032.6 | 1022.6 | 992.0 | 942.5 | 908.1 | 848.2 | 781.5 | 778.4 | 798.8 | 978.0 | 820.0 |
| 45° | 1226.3 | 1204.9 | 1125.6 | 1030.7 | 986.7 | 939.0 | 864.2 | 854.2 | 867.2 | 1060.7 | 897.6 |
| 47.5° | 1392.9 | 1370.6 | 1258.5 | 1122.5 | 1070.1 | 1025.2 | 961.1 | 943.0 | 947.3 | 1153.3 | 996.0 |
| 50° | 1449.6 | 1438.7 | 1340.8 | 1202.4 | 1150.9 | 1133.7 | 1073.6 | 1051.5 | 1045.4 | 1260.5 | 1110.1 |
| 52.5° | 1429.9 | 1429.1 | 1363.9 | 1254.2 | 1224.8 | 1246.0 | 1215.1 | 1189.5 | 1167.1 | 1373.4 | 1226.2 |
| 55° | 1398.4 | 1402.5 | 1373.3 | 1299.6 | 1298.6 | 1348.5 | 1408.6 | 1387.3 | 1322.3 | 1496.1 | 1326.2 |
| 57.5° | 1311.4 | 1329.0 | 1368.0 | 1385.5 | 1426.1 | 1477.1 | 1569.8 | 1582.3 | 1505.4 | 1590.1 | 1409.3 |
| 60° | 1064.0 | 1102.8 | 1230.3 | 1397.9 | 1590.4 | 1717.6 | 1764.3 | 1775.0 | 1655.6 | 1668.2 | 1521.4 |
| 62.5° | 755.2 | 794.9 | 956.5 | 1240.0 | 1592.9 | 2033.4 | 2054.1 | 2012.0 | 1821.1 | 1783.9 | 1714.7 |
| 65° | 400.9 | 431.5 | 563.5 | 895.1 | 1381.0 | 2106.7 | 2560.8 | 2435.3 | 2113.0 | 2011.6 | 1964.6 |
| 67.5° | 205.1 | 214.3 | 266.8 | 438.1 | 949.4 | 1871.3 | 3015.0 | 3103.4 | 2616.1 | 2237.5 | 1952.5 |
| 69° | 181.5 | 186.9 | 221.8 | 316.7 | 608.0 | 1585.0 | 3037.2 | 3332.7 | 2879.5 | 2218.7 | 1774.4 |
| 70° | 175.7 | 180.5 | 212.2 | 286.6 | 475.2 | 1329.2 | 2952.5 | 3312.6 | 2946.9 | 2147.0 | 1641.3 |
| 72.5° | 149.1 | 153.2 | 188.9 | 253.3 | 386.2 | 659.8 | 2398.3 | 2807.0 | 2644.4 | 1788.6 | 1188.0 |
| 75° | 99.7 | 113.3 | 181.3 | 237.4 | 359.3 | 374.8 | 1581.2 | 2028.5 | 1884.3 | 1206.3 | 618.9 |
| 77.5° | 23.9 | 25.8 | 51.2 | 188.9 | 328.6 | 329.9 | 813.2 | 1261.0 | 1028.5 | 430.0 | 146.3 |
| 80° | 12.9 | 12.4 | 14.4 | 37.5 | 306.0 | 309.6 | 366.1 | 612.1 | 367.2 | 71.3 | 48.2 |
| 82.5° | 9.1 | 8.6 | 9.2 | 15.7 | 96.3 | 282.0 | 264.8 | 277.1 | 152.2 | 27.4 | 21.6 |
| 85° | 3.3 | 3.1 | 5.1 | 14.2 | 30.2 | 162.1 | 272.1 | 228.5 | 123.3 | 12.5 | 15.9 |
| 87.5° | 1.2 | 1.0 | 2.0 | 7.8 | 9.2 | 69.0 | 167.9 | 172.7 | 48.5 | 7.6 | 7.4 |
| 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):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 760.0 | 760.0 | 760.0 | 760.0 | 760.0 | 760.0 | 760.0 | 760.0 | 760.0 | 760.0 | 760.0 |
| 2.5° | 753.3 | 743.0 | 724.2 | 704.9 | 687.1 | 665.6 | 654.9 | 644.3 | 639.8 | 638.2 | 630.4 |
| 5° | 731.5 | 714.1 | 674.2 | 634.1 | 597.1 | 557.8 | 531.8 | 511.0 | 498.8 | 492.9 | 483.5 |
| 7.5° | 703.6 | 675.2 | 614.6 | 552.6 | 495.0 | 438.2 | 396.1 | 363.8 | 341.5 | 330.7 | 321.0 |
| 10° | 676.5 | 638.7 | 552.5 | 468.1 | 389.8 | 314.5 | 256.4 | 214.3 | 187.4 | 175.0 | 167.1 |
| 12.5° | 652.2 | 603.2 | 492.5 | 385.7 | 287.5 | 199.3 | 140.2 | 106.7 | 90.0 | 84.2 | 81.4 |
| 15° | 630.6 | 570.5 | 435.9 | 307.4 | 194.7 | 113.9 | 76.6 | 65.2 | 62.6 | 62.6 | 62.2 |
| 17.5° | 610.1 | 538.4 | 381.3 | 234.0 | 122.2 | 69.7 | 58.3 | 56.8 | 56.8 | 57.5 | 57.5 |
| 20° | 590.5 | 507.9 | 328.4 | 167.9 | 76.9 | 55.3 | 52.7 | 52.3 | 52.7 | 53.5 | 53.5 |
| 22.5° | 573.6 | 480.2 | 279.0 | 115.3 | 57.1 | 49.9 | 48.5 | 48.0 | 48.2 | 48.7 | 49.0 |
| 25° | 561.1 | 456.7 | 232.5 | 78.1 | 49.2 | 45.4 | 43.9 | 43.1 | 42.4 | 42.4 | 42.8 |
| 27.5° | 553.1 | 436.9 | 187.4 | 56.8 | 44.3 | 41.3 | 39.0 | 37.6 | 36.2 | 35.3 | 35.7 |
| 30° | 547.4 | 418.1 | 145.1 | 46.4 | 39.6 | 36.7 | 33.7 | 31.5 | 29.4 | 28.4 | 28.7 |
| 32.5° | 545.2 | 402.9 | 108.5 | 40.9 | 35.5 | 32.2 | 28.6 | 25.8 | 23.4 | 22.6 | 22.8 |
| 35° | 551.0 | 390.8 | 79.4 | 37.0 | 32.2 | 28.1 | 23.9 | 20.8 | 19.0 | 18.5 | 18.7 |
| 37.5° | 566.2 | 384.4 | 59.4 | 33.7 | 29.2 | 24.6 | 20.0 | 17.0 | 15.9 | 15.9 | 16.0 |
| 40° | 594.9 | 384.2 | 47.7 | 31.4 | 26.6 | 21.3 | 16.5 | 14.4 | 13.7 | 14.0 | 14.2 |
| 42.5° | 636.9 | 393.0 | 41.6 | 29.2 | 24.3 | 18.2 | 13.7 | 12.2 | 12.1 | 12.4 | 12.5 |
| 45° | 694.2 | 409.0 | 38.3 | 27.4 | 21.8 | 15.2 | 11.6 | 10.6 | 10.6 | 11.1 | 11.2 |
| 47.5° | 764.3 | 432.4 | 35.5 | 25.6 | 19.3 | 12.7 | 9.9 | 9.2 | 9.4 | 9.9 | 10.1 |
| 50° | 848.9 | 462.0 | 32.7 | 23.6 | 17.5 | 10.6 | 8.6 | 8.1 | 8.3 | 8.9 | 9.1 |
| 52.5° | 945.1 | 501.8 | 30.4 | 21.8 | 15.2 | 8.8 | 7.3 | 6.9 | 7.3 | 7.9 | 8.1 |
| 55° | 1027.7 | 537.5 | 27.6 | 20.3 | 12.2 | 7.3 | 5.9 | 5.9 | 6.3 | 7.1 | 7.3 |
| 57.5° | 1107.1 | 574.8 | 25.1 | 17.5 | 9.6 | 5.8 | 5.0 | 5.1 | 5.6 | 6.4 | 6.6 |
| 60° | 1223.7 | 638.0 | 22.1 | 14.7 | 7.3 | 4.6 | 4.1 | 4.3 | 5.0 | 5.8 | 5.9 |
| 62.5° | 1421.7 | 734.3 | 19.2 | 12.2 | 5.6 | 3.6 | 3.3 | 3.6 | 4.5 | 5.4 | 5.6 |
| 65° | 1600.3 | 773.4 | 15.7 | 10.2 | 4.3 | 2.8 | 2.8 | 3.3 | 4.3 | 5.3 | 5.4 |
| 67.5° | 1500.8 | 651.1 | 12.2 | 8.1 | 3.3 | 2.1 | 2.3 | 3.1 | 4.1 | 5.3 | 5.4 |
| 69° | 1327.2 | 532.3 | 10.4 | 6.4 | 2.8 | 2.0 | 2.1 | 3.1 | 4.1 | 5.1 | 5.3 |
| 70° | 1192.0 | 449.4 | 9.2 | 5.4 | 2.5 | 2.0 | 2.1 | 3.0 | 4.1 | 5.1 | 5.3 |
| 72.5° | 798.3 | 242.7 | 7.4 | 4.0 | 2.3 | 1.8 | 1.8 | 3.0 | 4.0 | 5.0 | 5.1 |
| 75° | 343.1 | 67.0 | 5.9 | 2.8 | 2.0 | 1.7 | 1.7 | 2.8 | 3.8 | 4.8 | 5.1 |
| 77.5° | 62.7 | 17.0 | 4.8 | 2.5 | 2.0 | 1.7 | 1.5 | 2.6 | 3.6 | 4.6 | 4.8 |
| 80° | 24.9 | 8.4 | 3.8 | 2.1 | 1.8 | 1.5 | 1.3 | 2.5 | 3.5 | 4.5 | 4.6 |
| 82.5° | 15.0 | 4.8 | 3.1 | 2.0 | 1.8 | 1.3 | 1.2 | 2.1 | 3.3 | 4.3 | 4.5 |
| 85° | 12.2 | 3.3 | 2.5 | 2.0 | 1.7 | 1.3 | 1.0 | 2.0 | 3.0 | 4.1 | 4.3 |
| 87.5° | 5.9 | 2.3 | 2.3 | 1.8 | 1.7 | 1.3 | 1.0 | 1.8 | 2.8 | 4.0 | 4.1 |
| 90° | 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)