

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: LUMARK

Report Number: P511252

Luminaire Tested: **PRV-P-PA1C-750-U-T3-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511252
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-6)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-P-PA1C-750-U-T3-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 5000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7179 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

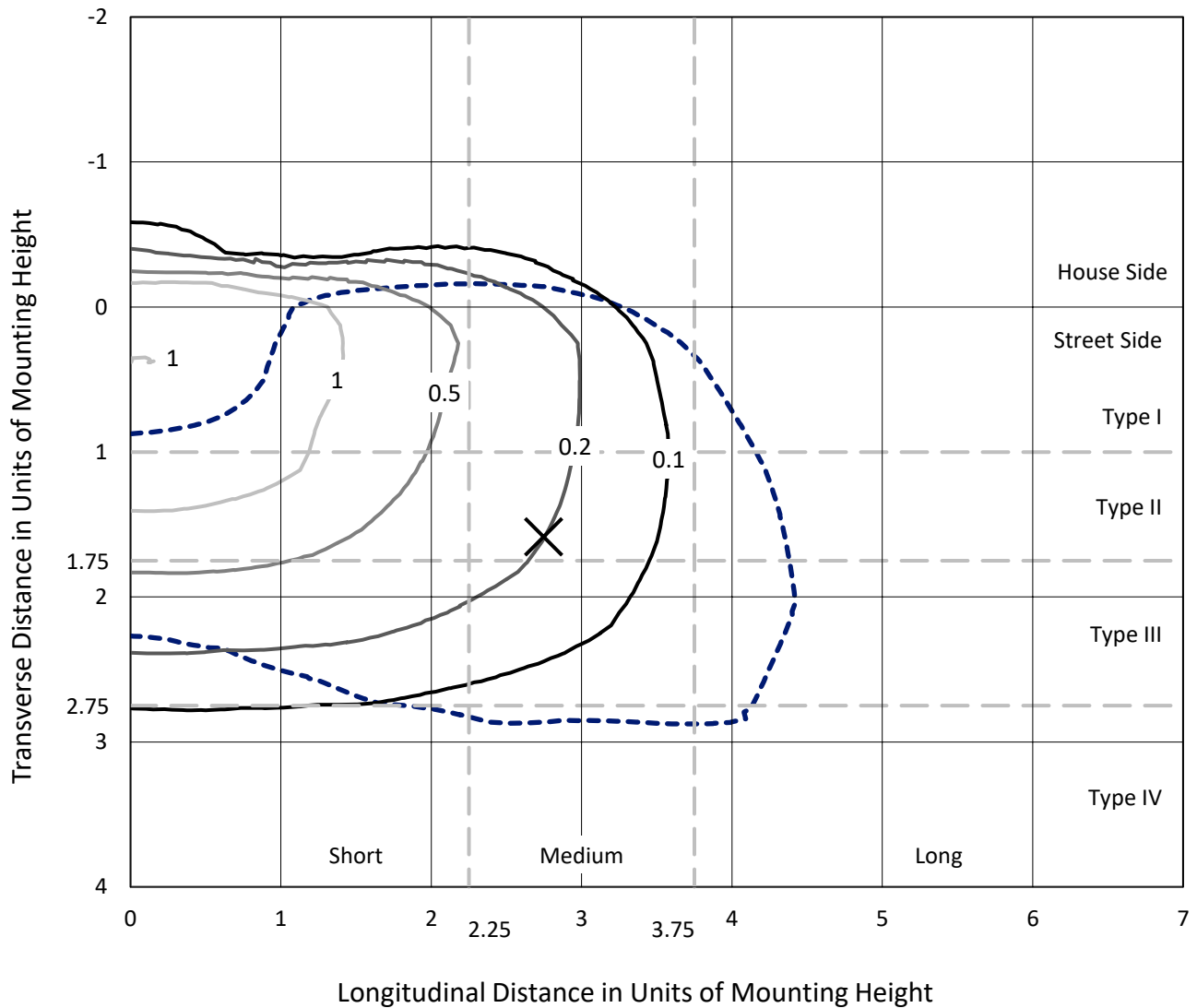
Input Watts (W): 72.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

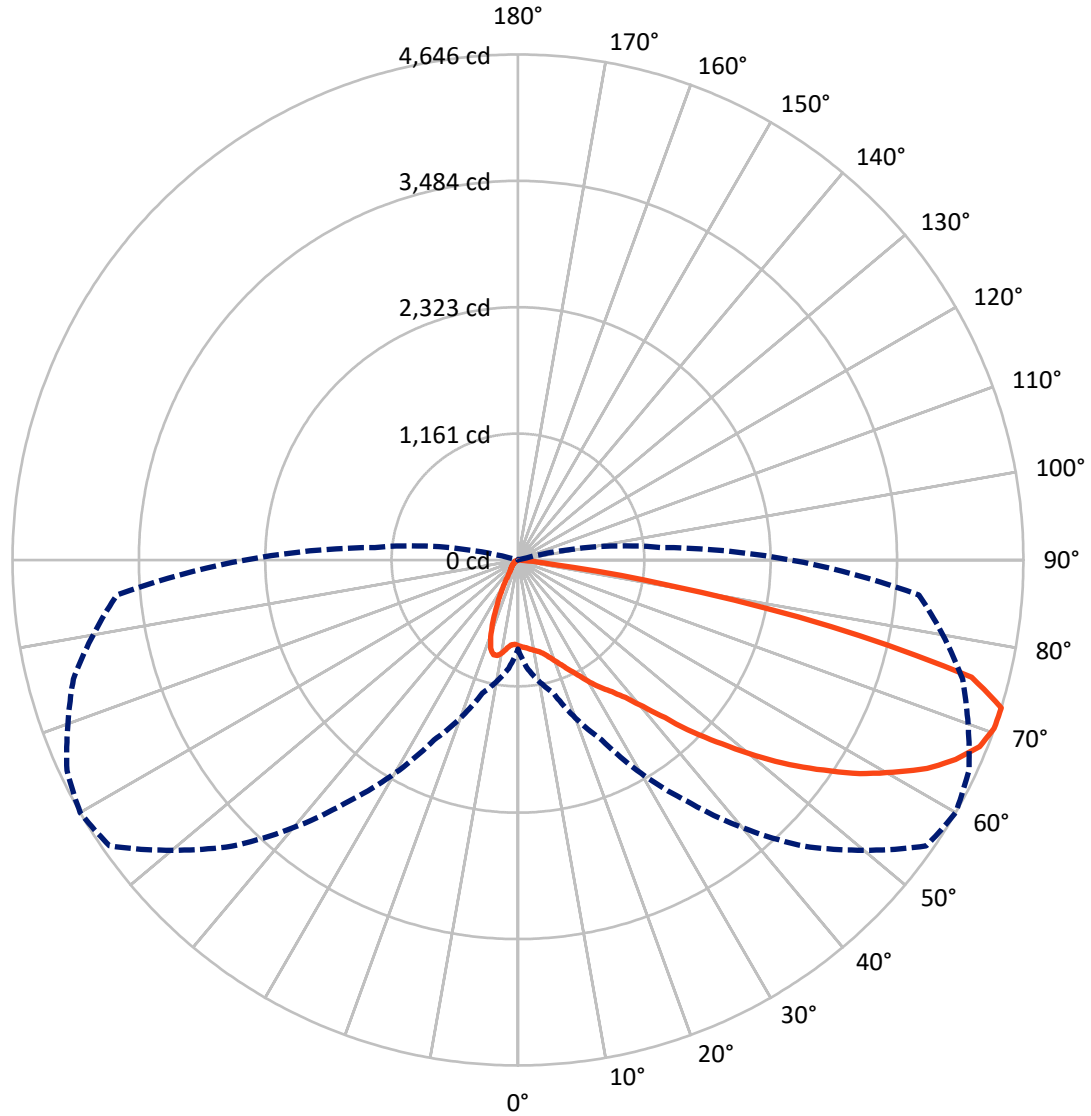
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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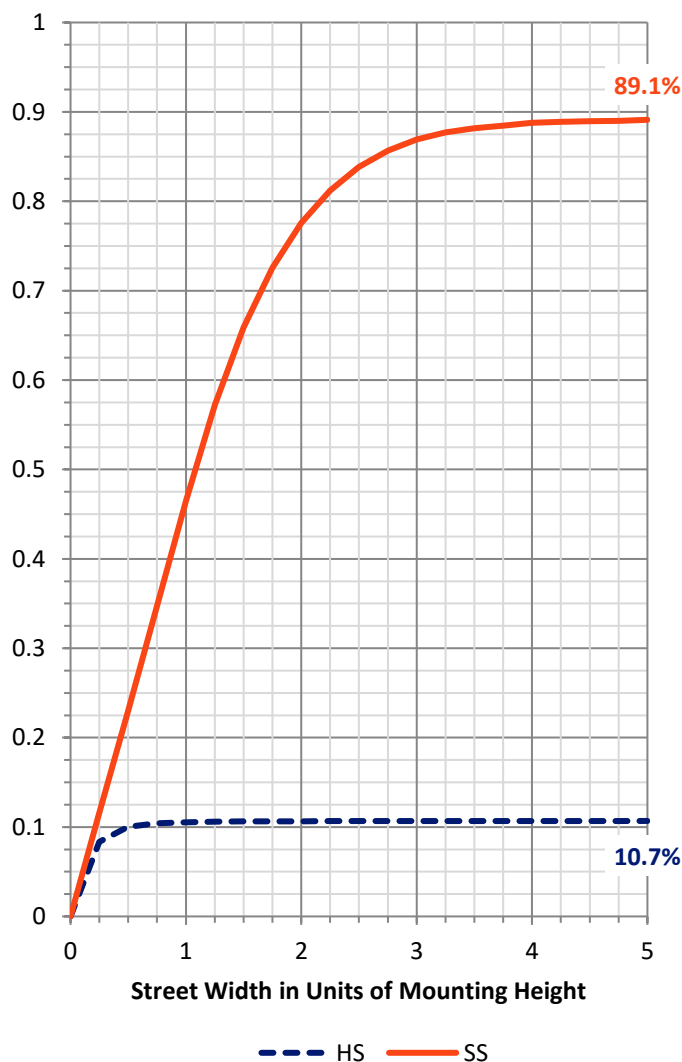
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 773.9 | 0.0 | 773.9 |
| | % Fixture | 10.8 | 0.0 | 10.8 |
| Street Side | Lumens | 6405.1 | 0.0 | 6405.1 |
| | % Fixture | 89.2 | 0.0 | 89.2 |
| Total | Lumens | 7179.0 | 0.0 | 7179.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 76.3 | 1.1 |
| 10°-20° | 208.6 | 2.9 |
| 20°-30° | 344.3 | 4.8 |
| 30°-40° | 607.8 | 8.5 |
| 40°-50° | 1066.5 | 14.9 |
| 50°-60° | 1671.9 | 23.3 |
| 60°-70° | 1970.3 | 27.4 |
| 70°-80° | 1177.1 | 16.4 |
| 80°-90° | 56.2 | 0.8 |
| 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° | 7179.0 | 100.0 |
| 0°-180° | 7179.0 | 100.0 |

Coefficient of Utilization

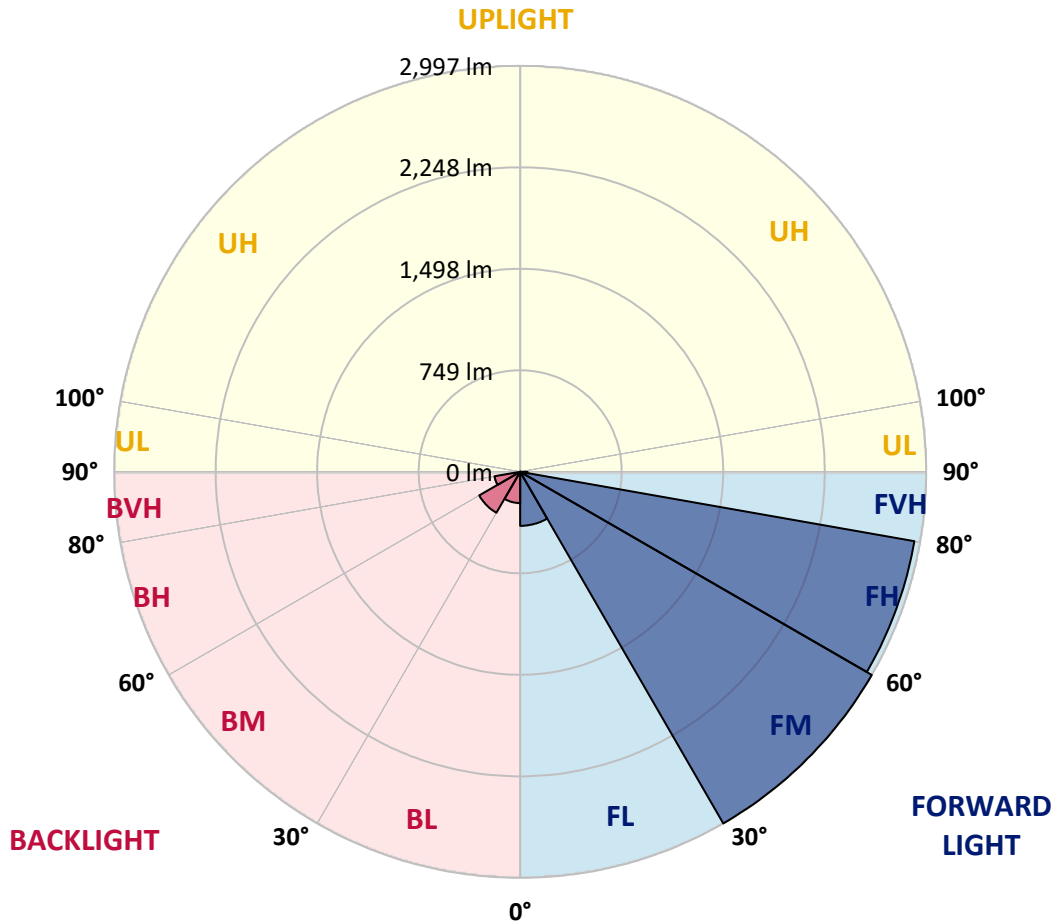


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 398.5 | 5.6 | | | |
| FM (30°-60°) | 2996.9 | 41.7 | | | |
| FH (60°-80°) | 2954.9 | 41.2 | | | G2/5000 |
| FVH (80°-90°) | 54.8 | 0.8 | | | G1/100 |
| BL (0°-30°) | 230.6 | 3.2 | B1/500 | | |
| BM (30°-60°) | 349.4 | 4.9 | B1/1000 | | |
| BH (60°-80°) | 192.6 | 2.7 | B1/500 | | G1/500 |
| 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: B1-U0-G2
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 788.3 | 788.3 | 788.3 | 788.3 | 788.3 | 788.3 | 788.3 | 788.3 | 788.3 | 788.3 | 788.3 |
| 2.5° | 809.4 | 811.5 | 803.1 | 811.5 | 807.3 | 807.3 | 805.2 | 800.9 | 796.7 | 794.6 | 794.6 |
| 5° | 796.7 | 796.7 | 790.4 | 805.2 | 809.4 | 811.5 | 813.6 | 811.5 | 813.6 | 803.1 | 803.1 |
| 7.5° | 735.6 | 737.7 | 744.0 | 763.0 | 782.0 | 805.2 | 828.4 | 828.4 | 832.6 | 834.7 | 830.5 |
| 10° | 716.6 | 716.6 | 716.6 | 741.9 | 758.8 | 798.8 | 830.5 | 845.2 | 855.8 | 864.2 | 874.7 |
| 12.5° | 710.3 | 708.2 | 716.6 | 746.1 | 771.4 | 805.2 | 849.4 | 864.2 | 881.0 | 906.3 | 921.1 |
| 15° | 710.3 | 710.3 | 712.4 | 746.1 | 782.0 | 828.4 | 872.6 | 893.7 | 912.7 | 948.5 | 969.6 |
| 17.5° | 729.3 | 727.2 | 729.3 | 756.7 | 790.4 | 851.5 | 919.0 | 940.1 | 961.1 | 994.9 | 1026.5 |
| 20° | 748.3 | 746.1 | 744.0 | 773.5 | 807.3 | 878.9 | 961.1 | 992.8 | 1028.6 | 1053.9 | 1081.3 |
| 22.5° | 782.0 | 779.9 | 771.4 | 790.4 | 828.4 | 912.7 | 1013.8 | 1056.0 | 1091.8 | 1117.1 | 1140.3 |
| 25° | 897.9 | 891.6 | 862.1 | 841.0 | 868.4 | 946.4 | 1068.6 | 1127.7 | 1171.9 | 1190.9 | 1203.5 |
| 27.5° | 1102.4 | 1110.8 | 1045.4 | 961.1 | 925.3 | 997.0 | 1134.0 | 1205.6 | 1254.1 | 1268.9 | 1254.1 |
| 30° | 1386.9 | 1374.3 | 1294.2 | 1180.3 | 1058.1 | 1060.2 | 1220.4 | 1304.7 | 1361.6 | 1367.9 | 1330.0 |
| 32.5° | 1637.7 | 1635.6 | 1551.3 | 1427.0 | 1243.6 | 1171.9 | 1292.1 | 1397.4 | 1464.9 | 1464.9 | 1401.7 |
| 35° | 1856.9 | 1846.4 | 1768.4 | 1663.0 | 1488.1 | 1334.2 | 1384.8 | 1486.0 | 1572.4 | 1568.2 | 1492.3 |
| 37.5° | 2029.8 | 2025.6 | 1979.2 | 1882.2 | 1736.8 | 1549.2 | 1507.0 | 1604.0 | 1717.8 | 1711.5 | 1618.8 |
| 40° | 2213.1 | 2217.4 | 2202.6 | 2105.7 | 1953.9 | 1804.2 | 1703.1 | 1770.5 | 1882.2 | 1890.7 | 1793.7 |
| 42.5° | 2445.0 | 2451.3 | 2421.8 | 2329.1 | 2194.2 | 2063.5 | 1970.8 | 1981.3 | 2088.8 | 2101.4 | 1964.4 |
| 45° | 2727.4 | 2725.3 | 2691.6 | 2603.1 | 2472.4 | 2345.9 | 2276.4 | 2259.5 | 2310.1 | 2339.6 | 2200.5 |
| 47.5° | 2944.5 | 2948.8 | 2950.9 | 2919.2 | 2786.5 | 2697.9 | 2586.2 | 2525.1 | 2582.0 | 2598.9 | 2434.5 |
| 50° | 3117.4 | 3178.5 | 3155.3 | 3186.9 | 3125.8 | 3073.1 | 2896.1 | 2826.5 | 2868.7 | 2889.7 | 2704.3 |
| 52.5° | 3241.7 | 3290.2 | 3315.5 | 3410.4 | 3431.4 | 3477.8 | 3208.0 | 3123.7 | 3134.2 | 3146.9 | 2948.8 |
| 55° | 3199.6 | 3229.1 | 3370.3 | 3538.9 | 3716.0 | 3865.6 | 3486.2 | 3410.4 | 3408.2 | 3412.5 | 3250.2 |
| 57.5° | 3075.2 | 3119.5 | 3361.9 | 3574.8 | 3914.1 | 4133.3 | 3789.8 | 3705.4 | 3705.4 | 3642.2 | 3560.0 |
| 60° | 2925.6 | 2953.0 | 3252.3 | 3557.9 | 4021.6 | 4301.9 | 4030.0 | 3960.5 | 3958.4 | 3872.0 | 3895.1 |
| 62.5° | 2742.2 | 2757.0 | 3016.2 | 3452.5 | 3977.3 | 4289.3 | 4266.1 | 4221.8 | 4200.8 | 4063.8 | 4158.6 |
| 65° | 2506.1 | 2508.2 | 2729.6 | 3252.3 | 3857.2 | 4266.1 | 4417.9 | 4420.0 | 4405.2 | 4236.6 | 4388.4 |
| 67.5° | 2124.6 | 2166.8 | 2356.5 | 2915.0 | 3638.0 | 4215.5 | 4512.7 | 4575.9 | 4552.8 | 4344.1 | 4430.5 |
| 70° | 1629.3 | 1682.0 | 1932.8 | 2419.7 | 3300.8 | 4086.9 | 4597.0 | 4641.3 | 4605.5 | 4358.8 | 4276.6 |
| 72.5° | 819.9 | 1001.2 | 1268.9 | 1823.2 | 2704.3 | 3720.2 | 4582.3 | 4645.5 | 4573.8 | 4230.3 | 3699.1 |
| 75° | 134.9 | 149.7 | 341.5 | 841.0 | 1696.7 | 2982.5 | 4245.0 | 4306.2 | 4194.4 | 3528.4 | 2394.4 |
| 77.5° | 84.3 | 90.6 | 139.1 | 354.1 | 577.5 | 1443.8 | 3041.5 | 2942.4 | 2938.2 | 2112.0 | 1020.2 |
| 80° | 50.6 | 52.7 | 73.8 | 160.2 | 309.8 | 305.6 | 1475.4 | 1405.9 | 1264.7 | 543.8 | 208.7 |
| 82.5° | 29.5 | 31.6 | 54.8 | 82.2 | 170.7 | 103.3 | 225.5 | 293.0 | 314.1 | 109.6 | 42.2 |
| 85° | 2.1 | 2.1 | 16.9 | 37.9 | 40.0 | 23.2 | 27.4 | 46.4 | 42.2 | 52.7 | 19.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 2.1 | 4.2 | 4.2 | 6.3 | 6.3 | 6.3 | 8.4 | 6.3 |
| 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° | 788.3 | 788.3 | 788.3 | 788.3 | 788.3 | 788.3 | 788.3 | 788.3 | 788.3 | 788.3 | 788.3 |
| 2.5° | 788.3 | 792.5 | 782.0 | 779.9 | 771.4 | 773.5 | 775.7 | 773.5 | 773.5 | 775.7 | 777.8 |
| 5° | 798.8 | 796.7 | 788.3 | 786.2 | 779.9 | 784.1 | 786.2 | 788.3 | 792.5 | 790.4 | 790.4 |
| 7.5° | 824.1 | 826.2 | 817.8 | 817.8 | 813.6 | 813.6 | 809.4 | 805.2 | 803.1 | 798.8 | 807.3 |
| 10° | 872.6 | 874.7 | 868.4 | 866.3 | 857.9 | 838.9 | 800.9 | 754.6 | 706.1 | 687.1 | 693.5 |
| 12.5° | 916.9 | 929.5 | 921.1 | 914.8 | 881.0 | 800.9 | 666.1 | 548.0 | 478.5 | 436.3 | 440.5 |
| 15° | 969.6 | 980.1 | 975.9 | 952.7 | 847.3 | 642.9 | 449.0 | 320.4 | 269.8 | 242.4 | 250.8 |
| 17.5° | 1024.4 | 1034.9 | 1026.5 | 969.6 | 737.7 | 440.5 | 261.4 | 196.0 | 183.4 | 177.1 | 179.2 |
| 20° | 1083.4 | 1093.9 | 1075.0 | 929.5 | 562.8 | 276.1 | 177.1 | 168.6 | 166.5 | 166.5 | 166.5 |
| 22.5° | 1142.4 | 1152.9 | 1123.4 | 838.9 | 387.8 | 181.3 | 162.3 | 158.1 | 156.0 | 151.8 | 153.9 |
| 25° | 1193.0 | 1216.2 | 1157.2 | 706.1 | 236.1 | 158.1 | 151.8 | 147.5 | 141.2 | 137.0 | 139.1 |
| 27.5° | 1252.0 | 1273.1 | 1146.6 | 543.8 | 166.5 | 147.5 | 139.1 | 130.7 | 124.4 | 120.1 | 120.1 |
| 30° | 1319.5 | 1340.5 | 1096.0 | 356.2 | 145.4 | 134.9 | 124.4 | 113.8 | 103.3 | 99.1 | 99.1 |
| 32.5° | 1389.0 | 1405.9 | 1013.8 | 217.1 | 130.7 | 120.1 | 107.5 | 92.7 | 82.2 | 75.9 | 75.9 |
| 35° | 1479.6 | 1481.8 | 914.8 | 145.4 | 115.9 | 103.3 | 88.5 | 73.8 | 61.1 | 56.9 | 56.9 |
| 37.5° | 1599.8 | 1585.0 | 792.5 | 120.1 | 101.2 | 86.4 | 69.6 | 54.8 | 46.4 | 42.2 | 44.3 |
| 40° | 1762.1 | 1694.6 | 649.2 | 105.4 | 88.5 | 71.7 | 52.7 | 40.0 | 33.7 | 33.7 | 33.7 |
| 42.5° | 1932.8 | 1806.4 | 491.1 | 97.0 | 78.0 | 56.9 | 37.9 | 29.5 | 27.4 | 27.4 | 27.4 |
| 45° | 2135.2 | 1913.8 | 320.4 | 86.4 | 65.3 | 44.3 | 27.4 | 21.1 | 21.1 | 23.2 | 23.2 |
| 47.5° | 2337.5 | 2008.7 | 191.8 | 75.9 | 54.8 | 33.7 | 21.1 | 16.9 | 16.9 | 19.0 | 21.1 |
| 50° | 2565.1 | 2090.9 | 128.6 | 67.4 | 46.4 | 25.3 | 16.9 | 14.8 | 14.8 | 19.0 | 19.0 |
| 52.5° | 2794.9 | 2141.5 | 101.2 | 56.9 | 35.8 | 21.1 | 14.8 | 12.6 | 12.6 | 16.9 | 16.9 |
| 55° | 2988.8 | 2183.6 | 86.4 | 48.5 | 27.4 | 16.9 | 14.8 | 12.6 | 12.6 | 14.8 | 16.9 |
| 57.5° | 3174.3 | 2198.4 | 73.8 | 40.0 | 21.1 | 16.9 | 12.6 | 10.5 | 10.5 | 14.8 | 14.8 |
| 60° | 3321.8 | 2187.9 | 63.2 | 31.6 | 19.0 | 14.8 | 10.5 | 8.4 | 8.4 | 12.6 | 14.8 |
| 62.5° | 3423.0 | 2152.0 | 48.5 | 23.2 | 16.9 | 14.8 | 10.5 | 6.3 | 8.4 | 10.5 | 12.6 |
| 65° | 3475.7 | 2076.1 | 35.8 | 19.0 | 14.8 | 12.6 | 8.4 | 6.3 | 6.3 | 8.4 | 8.4 |
| 67.5° | 3378.7 | 1956.0 | 27.4 | 14.8 | 12.6 | 12.6 | 8.4 | 4.2 | 4.2 | 6.3 | 6.3 |
| 70° | 3106.8 | 1776.8 | 23.2 | 12.6 | 10.5 | 10.5 | 6.3 | 4.2 | 2.1 | 4.2 | 4.2 |
| 72.5° | 2506.1 | 1319.5 | 19.0 | 10.5 | 8.4 | 8.4 | 6.3 | 2.1 | 2.1 | 2.1 | 4.2 |
| 75° | 1532.3 | 432.1 | 12.6 | 8.4 | 6.3 | 6.3 | 4.2 | 2.1 | 2.1 | 2.1 | 2.1 |
| 77.5° | 598.6 | 107.5 | 8.4 | 4.2 | 4.2 | 4.2 | 2.1 | 2.1 | 0.0 | 2.1 | 2.1 |
| 80° | 111.7 | 21.1 | 4.2 | 4.2 | 2.1 | 2.1 | 2.1 | 0.0 | 0.0 | 2.1 | 2.1 |
| 82.5° | 27.4 | 6.3 | 4.2 | 4.2 | 2.1 | 2.1 | 2.1 | 0.0 | 0.0 | 0.0 | 2.1 |
| 85° | 8.4 | 4.2 | 4.2 | 2.1 | 2.1 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 4.2 | 4.2 | 4.2 | 2.1 | 2.1 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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)