

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: P940468

Luminaire Tested: **GALN-SB3C-750-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940468
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-750-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17999 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

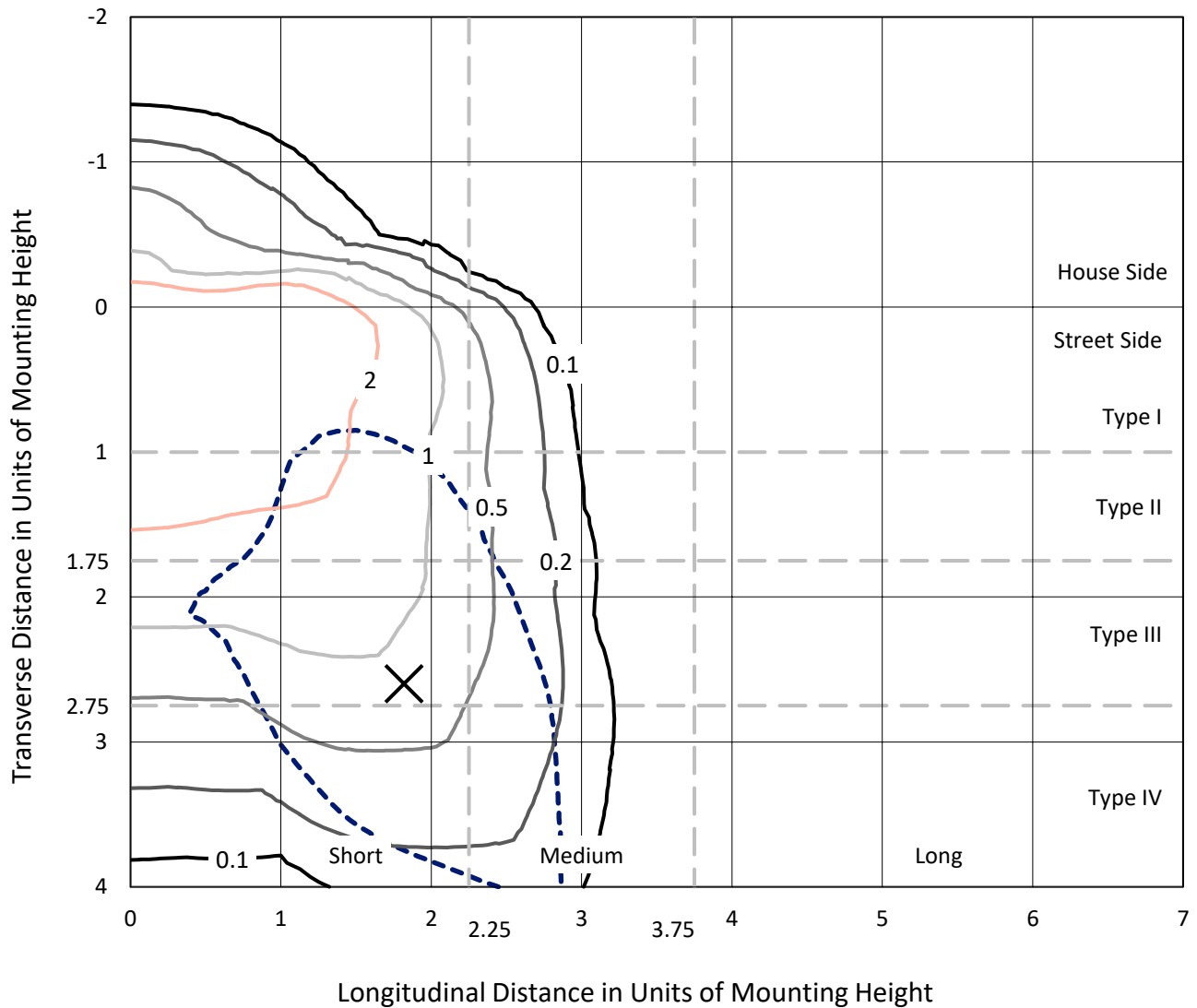
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

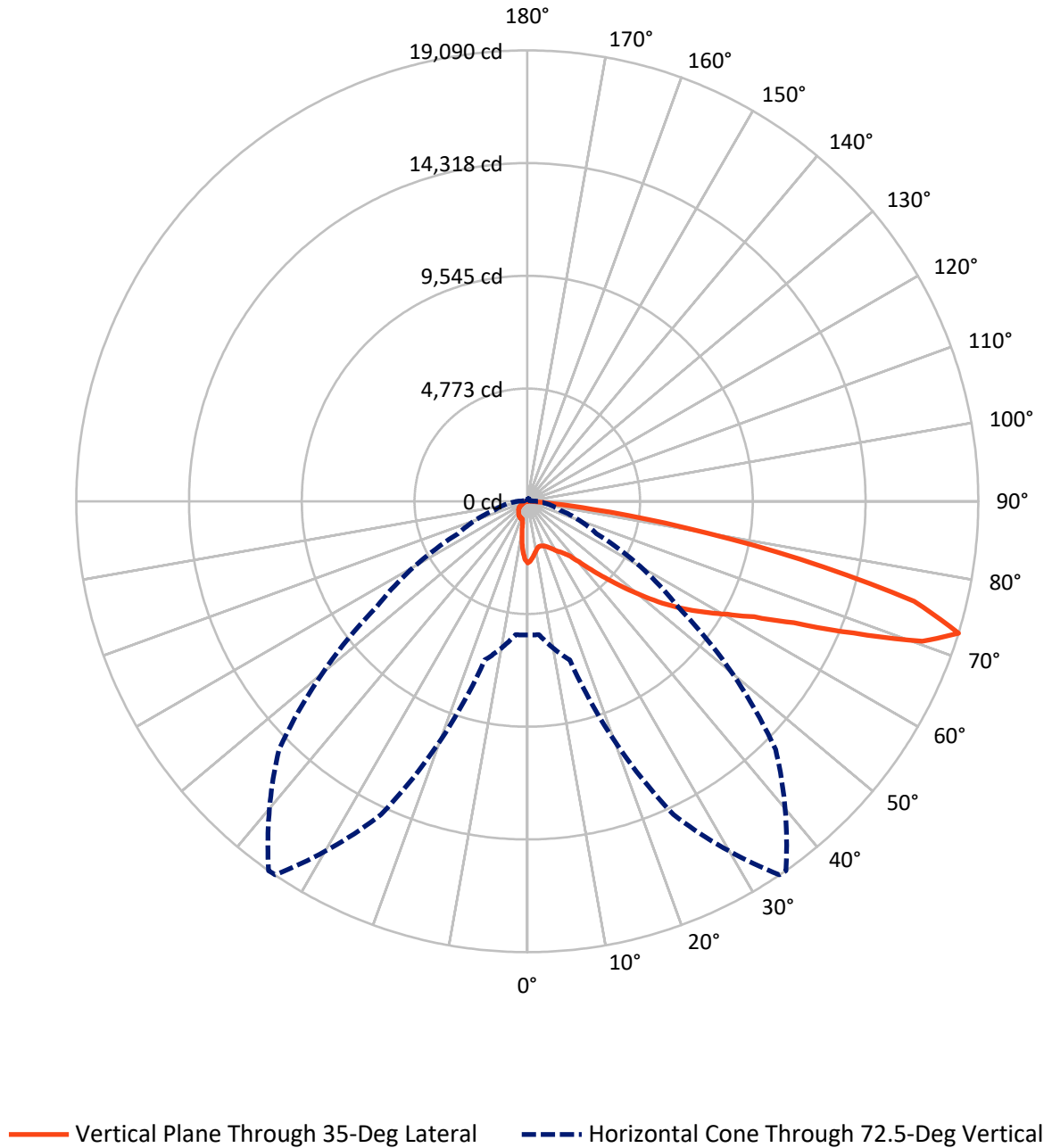
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2025.7 | 0.0 | 2025.7 |
| | % Fixture | 11.3 | 0.0 | 11.3 |
| Street Side | Lumens | 15973.3 | 0.0 | 15973.3 |
| | % Fixture | 88.7 | 0.0 | 88.7 |
| Total | Lumens | 17999.0 | 0.0 | 17999.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 214.4 | 1.2 |
| 10°-20° | 501.5 | 2.8 |
| 20°-30° | 814.6 | 4.5 |
| 30°-40° | 1359.2 | 7.6 |
| 40°-50° | 2571.7 | 14.3 |
| 50°-60° | 4086.3 | 22.7 |
| 60°-70° | 5055.1 | 28.1 |
| 70°-80° | 3142.3 | 17.5 |
| 80°-90° | 253.9 | 1.4 |
| 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° | 17999.0 | 100.0 |
| 0°-180° | 17999.0 | 100.0 |



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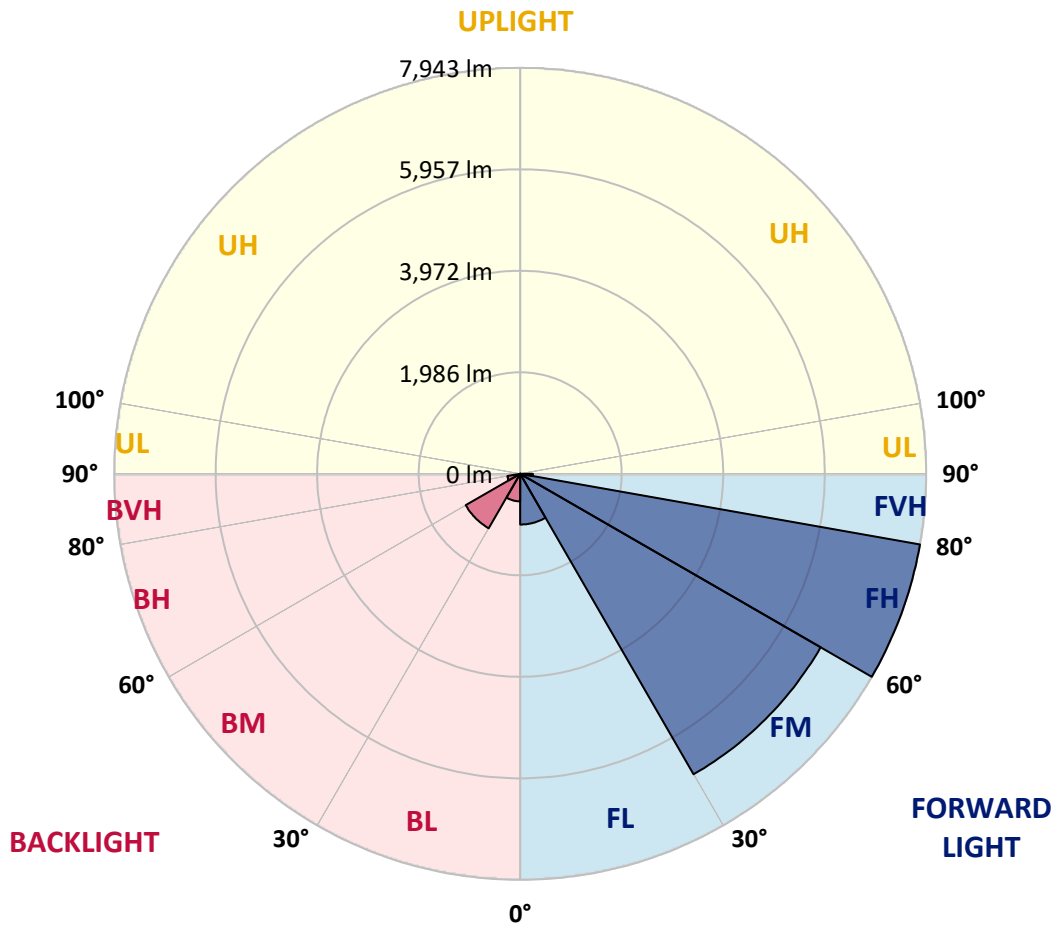
CATALOG NUMBER: GALN-SB3C-750-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 992.2 | 5.5 | | | |
| FM (30°-60°) | 6787.4 | 37.7 | | | |
| FH (60°-80°) | 7943.2 | 44.1 | | | G4/12000 |
| FVH (80°-90°) | 250.5 | 1.4 | | | G3/500 |
| BL (0°-30°) | 538.3 | 3.0 | B2/1000 | | |
| BM (30°-60°) | 1229.8 | 6.8 | B2/2500 | | |
| BH (60°-80°) | 254.2 | 1.4 | B1/500 | | G1/500 |
| BVH (80°-90°) | 3.5 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 34° | 35° | 45° | 55° | 65° | 75° |
|-------|--------|--------|--------|---------|---------|---------|---------|---------|--------|--------|
| 0° | 2608.7 | 2608.7 | 2608.7 | 2608.7 | 2608.7 | 2608.7 | 2608.7 | 2608.7 | 2608.7 | 2608.7 |
| 2.5° | 2492.6 | 2513.7 | 2517.7 | 2524.3 | 2524.3 | 2532.2 | 2545.4 | 2563.8 | 2594.2 | 2610.0 |
| 5° | 2297.4 | 2313.2 | 2333.0 | 2348.8 | 2379.2 | 2383.1 | 2434.6 | 2484.7 | 2554.6 | 2607.3 |
| 7.5° | 2100.9 | 2119.4 | 2145.7 | 2184.0 | 2223.6 | 2235.4 | 2313.2 | 2397.6 | 2508.4 | 2607.3 |
| 10° | 1962.4 | 1963.7 | 1987.5 | 2025.7 | 2089.0 | 2103.5 | 2198.5 | 2318.5 | 2457.0 | 2591.5 |
| 12.5° | 1884.6 | 1893.8 | 1904.4 | 1933.4 | 1994.1 | 2003.3 | 2104.9 | 2246.0 | 2405.6 | 2582.3 |
| 15° | 1884.6 | 1891.2 | 1897.8 | 1912.3 | 1961.1 | 1969.0 | 2058.7 | 2199.8 | 2379.2 | 2586.2 |
| 17.5° | 1904.4 | 1915.0 | 1909.7 | 1926.8 | 1978.3 | 1983.5 | 2062.7 | 2186.6 | 2377.9 | 2611.3 |
| 20° | 1951.9 | 1959.8 | 1949.2 | 1959.8 | 2011.2 | 2021.8 | 2103.5 | 2211.7 | 2400.3 | 2654.8 |
| 22.5° | 2027.1 | 2031.0 | 2006.0 | 2013.9 | 2066.6 | 2079.8 | 2174.8 | 2282.9 | 2454.4 | 2724.7 |
| 25° | 2122.0 | 2129.9 | 2091.7 | 2100.9 | 2151.0 | 2166.8 | 2276.3 | 2389.7 | 2540.1 | 2821.0 |
| 27.5° | 2231.5 | 2235.4 | 2202.5 | 2201.1 | 2265.8 | 2288.2 | 2399.0 | 2521.6 | 2654.8 | 2942.3 |
| 30° | 2356.8 | 2368.6 | 2337.0 | 2331.7 | 2413.5 | 2431.9 | 2541.4 | 2683.8 | 2823.6 | 3124.3 |
| 32.5° | 2455.7 | 2464.9 | 2446.4 | 2459.6 | 2542.7 | 2557.2 | 2714.2 | 2913.3 | 3088.7 | 3382.8 |
| 35° | 2598.1 | 2603.4 | 2561.2 | 2584.9 | 2679.9 | 2716.8 | 2950.2 | 3235.1 | 3422.4 | 3707.2 |
| 37.5° | 3113.8 | 3113.8 | 2934.4 | 2817.0 | 2908.0 | 2941.0 | 3273.4 | 3640.0 | 3833.9 | 4142.5 |
| 40° | 3827.3 | 3815.4 | 3552.9 | 3312.9 | 3301.0 | 3365.7 | 3733.6 | 4150.4 | 4365.3 | 4664.7 |
| 42.5° | 4588.2 | 4569.8 | 4212.4 | 3975.0 | 3935.4 | 3957.8 | 4265.1 | 4779.5 | 4998.4 | 5301.7 |
| 45° | 5263.5 | 5258.2 | 4931.1 | 4612.0 | 4540.8 | 4612.0 | 4928.5 | 5515.4 | 5672.3 | 5991.5 |
| 47.5° | 5829.3 | 5829.3 | 5590.5 | 5382.2 | 5345.2 | 5387.4 | 5826.6 | 6331.7 | 6317.2 | 6726.1 |
| 50° | 6480.8 | 6475.5 | 6248.6 | 6159.0 | 6197.2 | 6256.6 | 6860.6 | 7191.6 | 6984.6 | 7447.5 |
| 52.5° | 6937.1 | 6968.7 | 6890.9 | 6876.4 | 7071.6 | 7174.5 | 7910.4 | 8033.0 | 7582.0 | 8131.9 |
| 55° | 7298.4 | 7335.4 | 7425.0 | 7526.6 | 7902.5 | 8037.0 | 8927.2 | 8830.9 | 8081.8 | 8725.4 |
| 57.5° | 7810.1 | 7757.4 | 7895.9 | 8096.3 | 8704.3 | 8866.5 | 9912.4 | 9584.0 | 8484.1 | 9206.8 |
| 60° | 8431.3 | 8439.2 | 8463.0 | 8716.2 | 9504.9 | 9713.2 | 10883.0 | 10296.2 | 8742.6 | 9502.2 |
| 62.5° | 9177.8 | 9189.7 | 9238.4 | 9627.5 | 10579.7 | 10776.2 | 11917.0 | 10879.1 | 8861.3 | 9419.1 |
| 65° | 9126.3 | 9176.5 | 9721.1 | 11051.8 | 12213.7 | 12407.6 | 13123.7 | 11287.9 | 8681.9 | 8659.5 |
| 67.5° | 8313.9 | 8395.7 | 9307.0 | 12753.1 | 14677.3 | 14893.6 | 14582.4 | 11368.4 | 7907.7 | 6734.0 |
| 70° | 7248.3 | 7277.3 | 8373.3 | 14283.0 | 17530.0 | 17748.9 | 15888.0 | 10483.4 | 6000.7 | 3756.0 |
| 72.5° | 5660.4 | 5667.0 | 6952.9 | 14637.8 | 19078.3 | 19090.2 | 14863.3 | 7782.5 | 3227.2 | 1442.8 |
| 75° | 4043.6 | 4004.0 | 4656.8 | 11870.8 | 16784.8 | 16919.4 | 11142.8 | 3650.5 | 1233.1 | 681.8 |
| 77.5° | 2168.2 | 2211.7 | 2635.0 | 7039.9 | 11595.2 | 11824.7 | 6079.8 | 1052.4 | 627.8 | 464.2 |
| 80° | 670.0 | 706.9 | 1080.1 | 3223.2 | 6567.8 | 6706.3 | 2253.9 | 468.2 | 437.9 | 331.0 |
| 82.5° | 211.0 | 218.9 | 503.8 | 1354.4 | 2726.0 | 2789.3 | 652.8 | 265.1 | 299.4 | 218.9 |
| 85° | 60.7 | 62.0 | 224.2 | 505.1 | 673.9 | 687.1 | 183.3 | 102.9 | 171.4 | 135.8 |
| 87.5° | 6.6 | 21.1 | 84.4 | 84.4 | 59.3 | 58.0 | 19.8 | 22.4 | 48.8 | 17.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P940468
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CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2608.7 | 0° | 2608.7 | 2608.7 | 2608.7 | 2608.7 | 2608.7 | 2608.7 | 2608.7 | 2608.7 | 2608.7 | 2608.7 |
| 2620.5 | 2.5° | 2613.9 | 2615.3 | 2598.1 | 2569.1 | 2537.4 | 2511.1 | 2478.1 | 2451.7 | 2433.3 | 2428.0 |
| 2644.3 | 5° | 2632.4 | 2623.2 | 2574.4 | 2486.0 | 2380.5 | 2289.5 | 2187.9 | 2107.5 | 2054.7 | 2032.3 |
| 2669.3 | 7.5° | 2660.1 | 2633.7 | 2526.9 | 2352.8 | 2151.0 | 1971.7 | 1789.7 | 1648.5 | 1558.9 | 1514.0 |
| 2693.1 | 10° | 2683.8 | 2631.1 | 2447.8 | 2160.3 | 1851.6 | 1580.0 | 1334.7 | 1164.5 | 1069.6 | 1024.7 |
| 2720.8 | 12.5° | 2706.3 | 2629.8 | 2344.9 | 1932.1 | 1514.0 | 1181.7 | 953.5 | 869.1 | 842.7 | 833.5 |
| 2765.6 | 15° | 2748.5 | 2633.7 | 2215.6 | 1671.0 | 1177.7 | 892.9 | 809.8 | 808.4 | 813.7 | 811.1 |
| 2834.2 | 17.5° | 2806.5 | 2637.7 | 2069.3 | 1394.0 | 908.7 | 787.3 | 783.4 | 795.3 | 803.2 | 799.2 |
| 2919.9 | 20° | 2881.7 | 2653.5 | 1913.6 | 1119.7 | 780.8 | 761.0 | 770.2 | 780.8 | 787.3 | 780.8 |
| 3034.6 | 22.5° | 2987.2 | 2681.2 | 1743.5 | 899.4 | 739.9 | 745.1 | 753.1 | 764.9 | 771.5 | 762.3 |
| 3181.0 | 25° | 3116.4 | 2724.7 | 1576.0 | 782.1 | 720.1 | 726.7 | 738.5 | 751.7 | 759.6 | 750.4 |
| 3365.7 | 27.5° | 3283.9 | 2794.6 | 1421.7 | 755.7 | 700.3 | 704.3 | 721.4 | 741.2 | 751.7 | 739.9 |
| 3628.1 | 30° | 3526.6 | 2909.4 | 1288.5 | 767.6 | 688.4 | 679.2 | 702.9 | 730.6 | 742.5 | 732.0 |
| 3985.5 | 32.5° | 3848.4 | 3071.6 | 1206.7 | 786.0 | 683.2 | 650.2 | 672.6 | 708.2 | 728.0 | 721.4 |
| 4452.4 | 35° | 4270.4 | 3318.2 | 1175.1 | 807.1 | 679.2 | 619.9 | 635.7 | 673.9 | 708.2 | 714.8 |
| 5040.6 | 37.5° | 4782.1 | 3661.1 | 1184.3 | 816.4 | 667.3 | 594.8 | 602.7 | 635.7 | 680.5 | 701.6 |
| 5702.6 | 40° | 5363.7 | 4060.7 | 1237.1 | 807.1 | 654.1 | 573.7 | 575.0 | 600.1 | 639.6 | 671.3 |
| 6414.8 | 42.5° | 5963.8 | 4527.6 | 1334.7 | 772.8 | 642.3 | 555.2 | 551.3 | 568.4 | 594.8 | 617.2 |
| 7125.7 | 45° | 6534.8 | 5007.6 | 1430.9 | 725.4 | 627.8 | 536.8 | 527.5 | 534.1 | 539.4 | 548.6 |
| 7818.1 | 47.5° | 7033.4 | 5345.2 | 1403.2 | 681.8 | 608.0 | 515.7 | 499.8 | 497.2 | 481.4 | 480.1 |
| 8436.6 | 50° | 7377.6 | 5419.1 | 1246.3 | 638.3 | 579.0 | 491.9 | 466.9 | 451.0 | 423.3 | 410.2 |
| 8899.5 | 52.5° | 7487.0 | 5127.6 | 1018.1 | 594.8 | 531.5 | 460.3 | 424.7 | 399.6 | 365.3 | 353.4 |
| 9165.9 | 55° | 7342.0 | 4556.6 | 813.7 | 542.0 | 465.5 | 418.1 | 378.5 | 345.5 | 317.8 | 303.3 |
| 9194.9 | 57.5° | 6987.2 | 3829.9 | 643.6 | 480.1 | 395.7 | 370.6 | 331.0 | 298.1 | 274.3 | 259.8 |
| 8873.1 | 60° | 6399.0 | 3041.2 | 509.1 | 406.2 | 337.6 | 319.2 | 278.3 | 257.2 | 236.1 | 218.9 |
| 8042.3 | 62.5° | 5506.1 | 2170.8 | 399.6 | 321.8 | 282.2 | 261.1 | 237.4 | 221.6 | 196.5 | 172.8 |
| 6548.0 | 65° | 4296.8 | 1328.1 | 308.6 | 236.1 | 226.8 | 216.3 | 201.8 | 187.3 | 156.9 | 133.2 |
| 4271.7 | 67.5° | 2710.2 | 629.1 | 220.2 | 178.0 | 179.4 | 174.1 | 167.5 | 155.6 | 133.2 | 112.1 |
| 1913.6 | 70° | 1193.5 | 304.7 | 145.1 | 135.8 | 133.2 | 133.2 | 138.5 | 134.5 | 113.4 | 93.6 |
| 664.7 | 72.5° | 406.2 | 163.5 | 108.1 | 102.9 | 96.3 | 95.0 | 116.1 | 112.1 | 91.0 | 72.5 |
| 331.0 | 75° | 212.3 | 109.5 | 79.1 | 73.9 | 58.0 | 69.9 | 92.3 | 87.0 | 64.6 | 47.5 |
| 218.9 | 77.5° | 138.5 | 77.8 | 54.1 | 47.5 | 33.0 | 46.2 | 68.6 | 60.7 | 38.2 | 23.7 |
| 143.8 | 80° | 87.0 | 51.4 | 31.7 | 22.4 | 15.8 | 25.1 | 36.9 | 26.4 | 14.5 | 5.3 |
| 84.4 | 82.5° | 46.2 | 26.4 | 11.9 | 7.9 | 6.6 | 7.9 | 9.2 | 6.6 | 2.6 | 0.0 |
| 43.5 | 85° | 18.5 | 9.2 | 4.0 | 2.6 | 1.3 | 0.0 | 2.6 | 1.3 | 0.0 | 0.0 |
| 7.9 | 87.5° | 6.6 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 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 |

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| |
|--------|
| 180° |
| 2608.7 |
| 2437.2 |
| 2040.2 |
| 1520.6 |
| 1026.1 |
| 830.9 |
| 809.8 |
| 797.9 |
| 779.4 |
| 761.0 |
| 749.1 |
| 739.9 |
| 730.6 |
| 721.4 |
| 714.8 |
| 706.9 |
| 681.8 |
| 626.4 |
| 553.9 |
| 478.7 |
| 411.5 |
| 352.1 |
| 303.3 |
| 257.2 |
| 215.0 |
| 168.8 |
| 129.2 |
| 109.5 |
| 89.7 |
| 68.6 |
| 43.5 |
| 21.1 |
| 4.0 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |

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