

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P635386

Luminaire Tested: GWS-SA3D-760-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635386
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-760-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11507.2 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

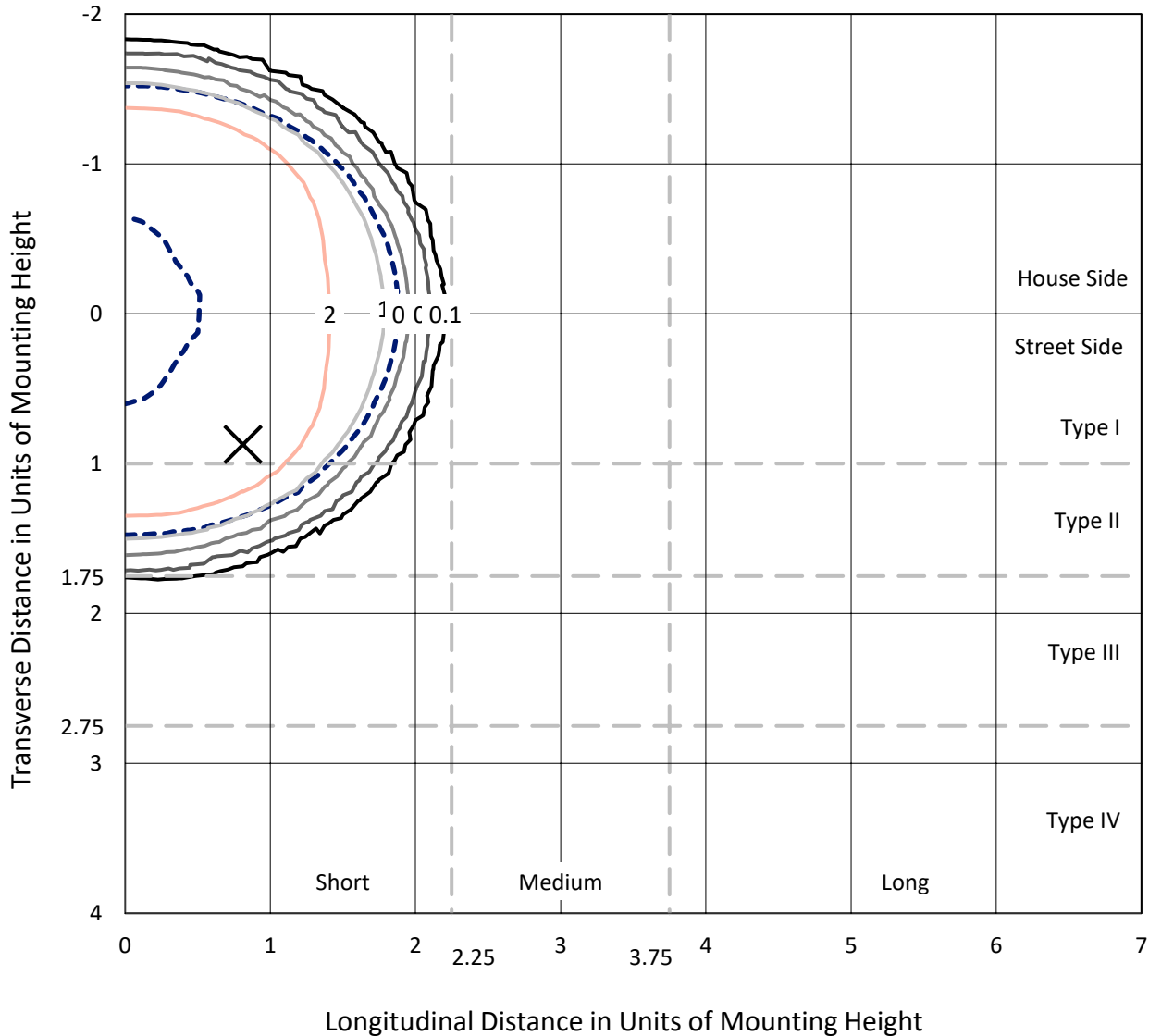
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

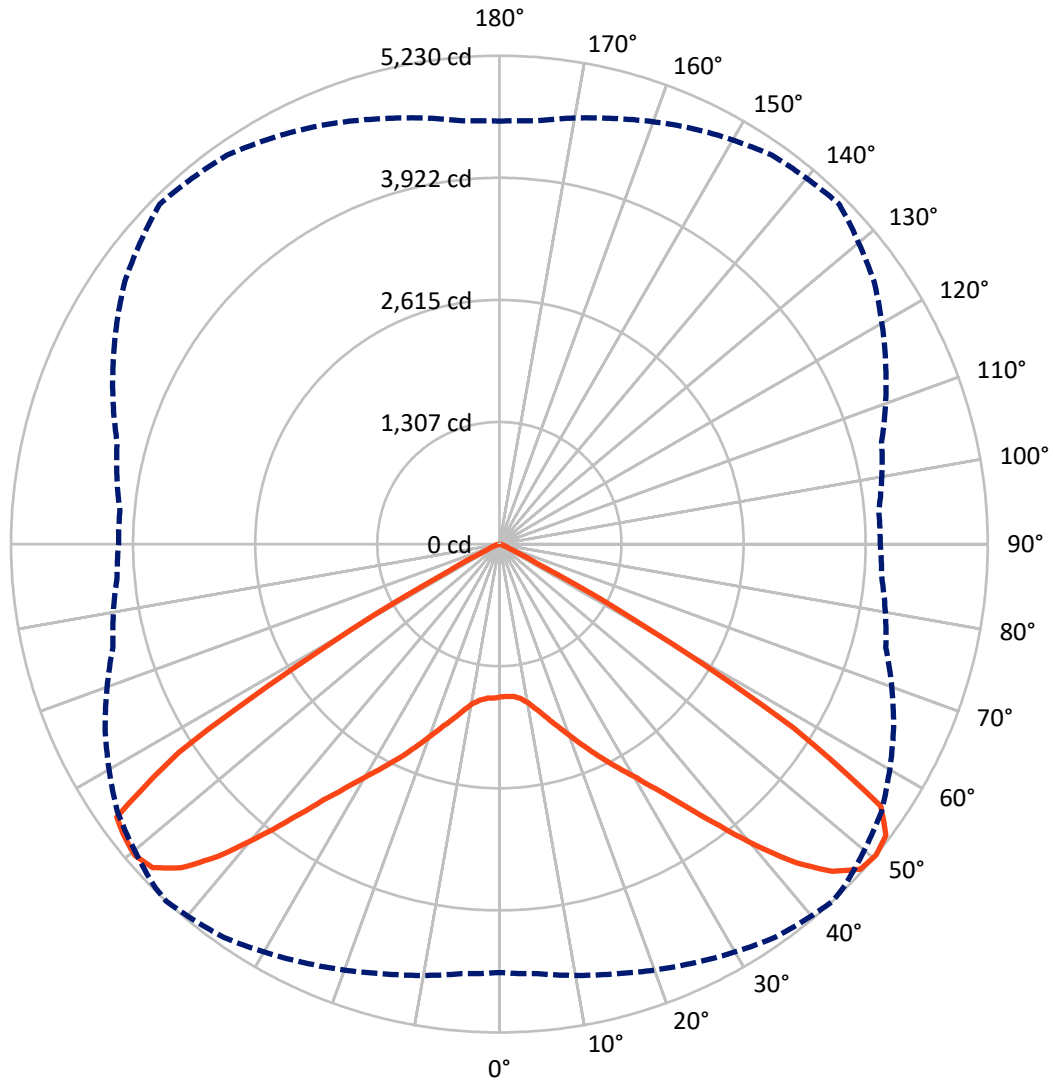
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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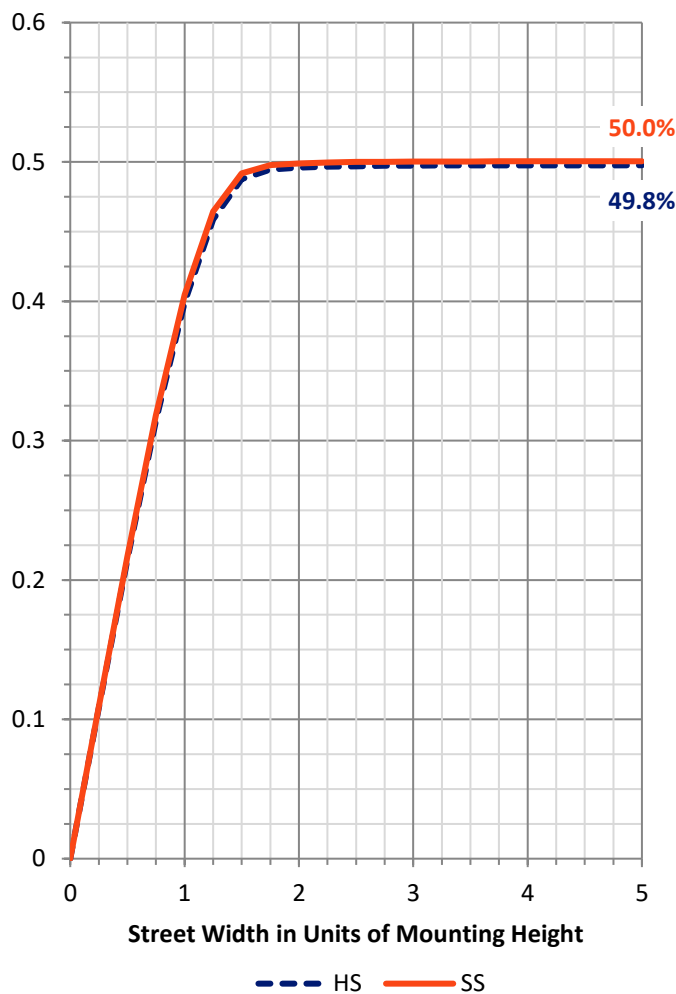
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 5753.5 | 0.0 | 5753.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 5753.7 | 0.0 | 5753.7 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 11507.2 | 0.0 | 11507.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 161.2 | 1.4 |
| 10°-20° | 554.7 | 4.8 |
| 20°-30° | 1122.2 | 9.8 |
| 30°-40° | 2082.0 | 18.1 |
| 40°-50° | 3456.1 | 30.0 |
| 50°-60° | 3527.0 | 30.7 |
| 60°-70° | 578.4 | 5.0 |
| 70°-80° | 25.3 | 0.2 |
| 80°-90° | 0.4 | 0.0 |
| 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° | 11507.2 | 100.0 |
| 0°-180° | 11507.2 | 100.0 |

Coefficient of Utilization



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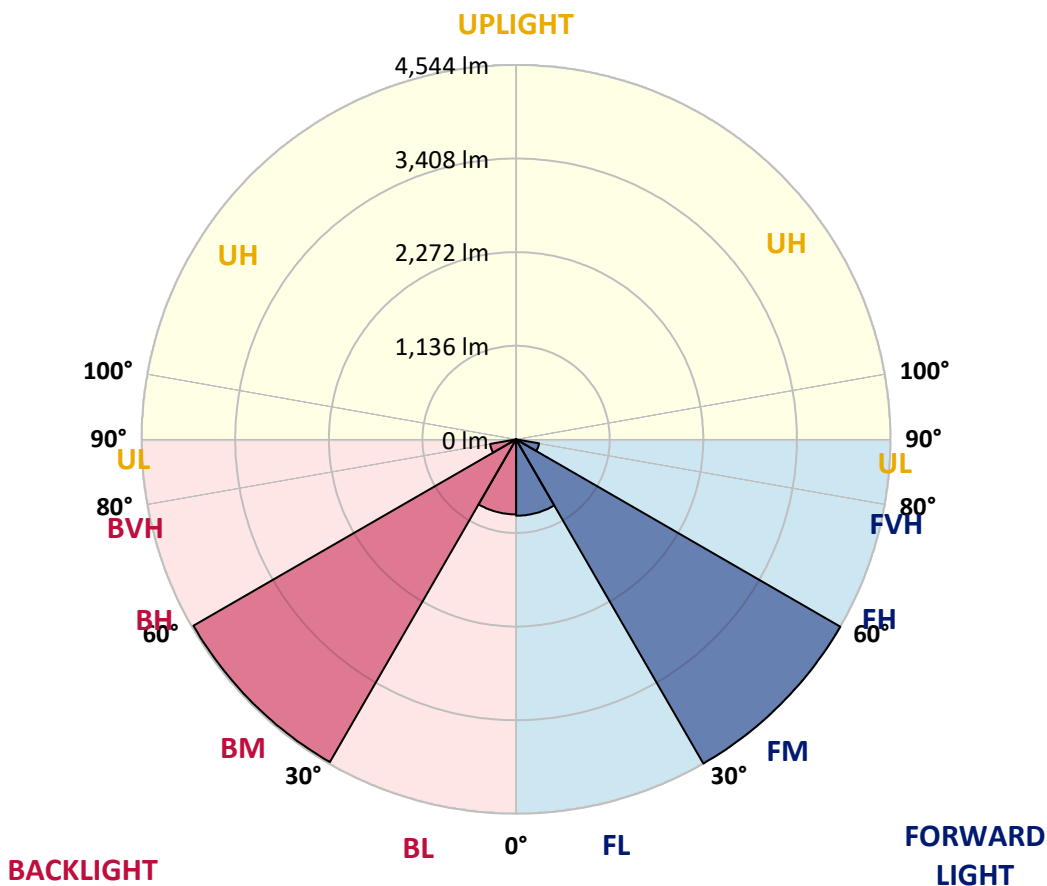
CATALOG NUMBER: GWS-SA3D-760-U-RW-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 927.1 | 8.1 | | | |
| FM (30°-60°) | 4543.6 | 39.5 | | | |
| FH (60°-80°) | 283.0 | 2.5 | | | G0/660 |
| FVH (80°-90°) | 0.1 | 0.0 | | | G0/10 |
| BL (0°-30°) | 911.0 | 7.9 | B2/1000 | | |
| BM (30°-60°) | 4521.5 | 39.3 | B3/5000 | | |
| BH (60°-80°) | 320.8 | 2.8 | B1/500 | | G0/660 |
| BVH (80°-90°) | 0.2 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 43° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1636.7 | 1636.7 | 1636.7 | 1636.7 | 1636.7 | 1636.7 | 1636.7 | 1636.7 | 1636.7 | 1636.7 | 1636.7 |
| 2.5° | 1606.2 | 1610.0 | 1615.1 | 1620.2 | 1626.5 | 1632.9 | 1636.7 | 1648.2 | 1645.6 | 1655.8 | 1655.8 |
| 5° | 1588.4 | 1592.2 | 1598.5 | 1610.0 | 1624.0 | 1638.0 | 1648.2 | 1671.1 | 1683.8 | 1704.2 | 1711.8 |
| 7.5° | 1597.3 | 1602.4 | 1610.0 | 1627.8 | 1649.4 | 1671.1 | 1682.5 | 1719.4 | 1744.9 | 1783.1 | 1804.7 |
| 10° | 1626.5 | 1631.6 | 1644.4 | 1674.9 | 1702.9 | 1733.4 | 1747.4 | 1794.5 | 1835.3 | 1887.4 | 1918.0 |
| 12.5° | 1659.6 | 1666.0 | 1691.4 | 1737.3 | 1785.6 | 1826.4 | 1845.4 | 1897.6 | 1939.6 | 1998.2 | 2046.5 |
| 15° | 1694.0 | 1704.2 | 1743.6 | 1811.1 | 1879.8 | 1934.5 | 1954.9 | 2010.9 | 2052.9 | 2115.3 | 2170.0 |
| 17.5° | 1774.2 | 1785.6 | 1830.2 | 1902.7 | 1996.9 | 2060.5 | 2078.4 | 2136.9 | 2168.7 | 2210.7 | 2268.0 |
| 20° | 1874.7 | 1896.4 | 1951.1 | 2038.9 | 2142.0 | 2203.1 | 2215.8 | 2273.1 | 2270.5 | 2288.3 | 2338.0 |
| 22.5° | 1999.4 | 2014.7 | 2074.5 | 2178.9 | 2294.7 | 2362.2 | 2391.4 | 2415.6 | 2383.8 | 2368.5 | 2400.3 |
| 25° | 2129.3 | 2147.1 | 2212.0 | 2326.5 | 2456.3 | 2534.0 | 2558.2 | 2577.3 | 2526.3 | 2469.1 | 2472.9 |
| 27.5° | 2297.3 | 2310.0 | 2373.6 | 2495.8 | 2625.6 | 2713.4 | 2735.1 | 2768.2 | 2700.7 | 2609.1 | 2583.6 |
| 30° | 2497.1 | 2509.8 | 2577.3 | 2705.8 | 2834.3 | 2909.4 | 2942.5 | 2983.3 | 2909.4 | 2794.9 | 2765.6 |
| 32.5° | 2731.3 | 2744.0 | 2830.5 | 2962.9 | 3068.5 | 3150.0 | 3181.8 | 3225.1 | 3166.5 | 3038.0 | 3004.9 |
| 35° | 3011.3 | 3018.9 | 3120.7 | 3264.5 | 3376.5 | 3455.4 | 3477.1 | 3528.0 | 3463.1 | 3334.5 | 3316.7 |
| 37.5° | 3335.8 | 3344.7 | 3455.4 | 3622.2 | 3736.7 | 3824.5 | 3858.9 | 3872.9 | 3794.0 | 3650.2 | 3636.2 |
| 40° | 3692.2 | 3721.4 | 3829.6 | 4009.1 | 4137.6 | 4248.3 | 4278.9 | 4231.8 | 4121.1 | 3925.1 | 3899.6 |
| 42.5° | 4063.8 | 4089.2 | 4210.2 | 4404.9 | 4553.8 | 4667.1 | 4668.3 | 4566.5 | 4378.2 | 4107.1 | 4068.9 |
| 45° | 4373.1 | 4383.2 | 4539.8 | 4735.8 | 4919.1 | 4999.2 | 5006.9 | 4822.3 | 4538.5 | 4212.7 | 4131.2 |
| 47.5° | 4585.6 | 4602.2 | 4738.3 | 4926.7 | 5129.1 | 5201.6 | 5186.3 | 4956.0 | 4614.9 | 4281.4 | 4146.5 |
| 50° | 4588.2 | 4616.2 | 4763.8 | 4945.8 | 5141.8 | 5229.6 | 5208.0 | 4994.2 | 4658.2 | 4284.0 | 4109.6 |
| 52.5° | 4182.2 | 4228.0 | 4468.5 | 4732.0 | 5032.3 | 5182.5 | 5187.6 | 5043.8 | 4641.6 | 4243.2 | 4076.5 |
| 55° | 3155.1 | 3204.7 | 3507.6 | 3956.9 | 4537.2 | 4956.0 | 5028.5 | 4985.2 | 4622.5 | 4261.1 | 4135.1 |
| 57.5° | 1669.8 | 1631.6 | 1799.6 | 2245.1 | 2974.3 | 3715.1 | 3927.6 | 4273.8 | 4410.0 | 4282.7 | 4243.2 |
| 60° | 364.0 | 388.2 | 516.7 | 696.2 | 1160.7 | 1747.4 | 1954.9 | 2548.0 | 3253.1 | 3566.2 | 3792.7 |
| 62.5° | 156.5 | 154.0 | 160.4 | 182.0 | 266.0 | 442.9 | 540.9 | 883.3 | 1393.6 | 1914.2 | 2266.7 |
| 65° | 128.5 | 129.8 | 134.9 | 134.9 | 126.0 | 127.3 | 133.6 | 202.4 | 325.8 | 456.9 | 613.5 |
| 67.5° | 96.7 | 98.0 | 106.9 | 109.5 | 103.1 | 91.6 | 90.4 | 76.4 | 80.2 | 100.5 | 104.4 |
| 70° | 61.1 | 61.1 | 66.2 | 68.7 | 68.7 | 63.6 | 62.4 | 54.7 | 53.5 | 61.1 | 68.7 |
| 72.5° | 33.1 | 33.1 | 35.6 | 36.9 | 35.6 | 34.4 | 34.4 | 33.1 | 31.8 | 36.9 | 47.1 |
| 75° | 14.0 | 14.0 | 15.3 | 15.3 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 | 16.5 | 25.5 |
| 77.5° | 2.5 | 3.8 | 5.1 | 3.8 | 2.5 | 2.5 | 2.5 | 3.8 | 3.8 | 5.1 | 7.6 |
| 80° | 1.3 | 1.3 | 2.5 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 |
| 82.5° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 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 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1636.7 | 1636.7 | 1636.7 | 1636.7 | 1636.7 | 1636.7 | 1636.7 | 1636.7 | 1636.7 | 1636.7 | 1636.7 |
| 2.5° | 1664.7 | 1650.7 | 1655.8 | 1658.4 | 1654.5 | 1652.0 | 1638.0 | 1634.2 | 1627.8 | 1617.6 | 1615.1 |
| 5° | 1720.7 | 1709.3 | 1708.0 | 1700.4 | 1682.5 | 1660.9 | 1634.2 | 1622.7 | 1610.0 | 1597.3 | 1594.7 |
| 7.5° | 1814.9 | 1800.9 | 1792.0 | 1766.5 | 1725.8 | 1691.4 | 1646.9 | 1622.7 | 1606.2 | 1589.6 | 1585.8 |
| 10° | 1935.8 | 1919.3 | 1893.8 | 1846.7 | 1792.0 | 1742.4 | 1690.2 | 1658.4 | 1632.9 | 1610.0 | 1608.7 |
| 12.5° | 2064.4 | 2046.5 | 2000.7 | 1940.9 | 1874.7 | 1828.9 | 1762.7 | 1718.2 | 1680.0 | 1645.6 | 1641.8 |
| 15° | 2199.3 | 2177.6 | 2115.3 | 2044.0 | 1982.9 | 1935.8 | 1863.3 | 1792.0 | 1733.4 | 1683.8 | 1678.7 |
| 17.5° | 2302.3 | 2275.6 | 2201.8 | 2148.4 | 2098.7 | 2050.4 | 1968.9 | 1874.7 | 1797.1 | 1737.3 | 1723.3 |
| 20° | 2367.3 | 2341.8 | 2271.8 | 2242.5 | 2219.6 | 2185.3 | 2088.5 | 1990.5 | 1904.0 | 1830.2 | 1817.4 |
| 22.5° | 2429.6 | 2399.1 | 2338.0 | 2338.0 | 2355.8 | 2341.8 | 2237.4 | 2125.4 | 2023.6 | 1938.4 | 1919.3 |
| 25° | 2499.6 | 2475.4 | 2432.2 | 2467.8 | 2512.3 | 2511.1 | 2404.2 | 2264.2 | 2147.1 | 2051.6 | 2032.5 |
| 27.5° | 2601.4 | 2577.3 | 2562.0 | 2629.4 | 2685.4 | 2681.6 | 2564.5 | 2413.1 | 2289.6 | 2195.4 | 2177.6 |
| 30° | 2780.9 | 2758.0 | 2741.4 | 2822.9 | 2894.2 | 2867.4 | 2738.9 | 2592.5 | 2467.8 | 2360.9 | 2348.2 |
| 32.5° | 3020.2 | 2996.0 | 2974.3 | 3055.8 | 3119.4 | 3085.1 | 2962.9 | 2825.4 | 2681.6 | 2577.3 | 2551.8 |
| 35° | 3334.5 | 3283.6 | 3262.0 | 3358.7 | 3385.4 | 3347.3 | 3230.2 | 3109.3 | 2956.5 | 2836.9 | 2820.3 |
| 37.5° | 3659.1 | 3599.3 | 3584.0 | 3668.0 | 3711.2 | 3697.2 | 3559.8 | 3433.8 | 3268.3 | 3136.0 | 3116.9 |
| 40° | 3936.5 | 3881.8 | 3855.1 | 3986.2 | 4084.2 | 4093.1 | 3969.6 | 3815.6 | 3620.9 | 3483.4 | 3449.1 |
| 42.5° | 4099.4 | 4052.3 | 4046.0 | 4249.6 | 4410.0 | 4524.5 | 4376.9 | 4217.8 | 4012.9 | 3857.6 | 3829.6 |
| 45° | 4136.3 | 4105.8 | 4159.2 | 4426.5 | 4676.0 | 4884.7 | 4758.7 | 4590.7 | 4369.2 | 4205.1 | 4178.3 |
| 47.5° | 4132.5 | 4122.3 | 4217.8 | 4518.2 | 4833.8 | 5090.9 | 5028.5 | 4838.9 | 4625.1 | 4453.2 | 4427.8 |
| 50° | 4077.8 | 4079.1 | 4238.2 | 4564.0 | 4897.4 | 5146.9 | 5084.5 | 4908.9 | 4718.0 | 4548.7 | 4528.3 |
| 52.5° | 4056.2 | 4048.5 | 4200.0 | 4550.0 | 4962.3 | 5121.4 | 4981.4 | 4784.2 | 4571.6 | 4362.9 | 4332.3 |
| 55° | 4132.5 | 4113.4 | 4205.1 | 4538.5 | 4970.0 | 5107.4 | 4738.3 | 4310.7 | 3875.4 | 3628.5 | 3608.2 |
| 57.5° | 4247.1 | 4226.7 | 4270.0 | 4454.5 | 4571.6 | 4247.1 | 3487.3 | 2797.4 | 2349.4 | 2159.8 | 2077.1 |
| 60° | 3792.7 | 3778.7 | 3745.6 | 3522.9 | 3021.4 | 2279.4 | 1552.7 | 990.2 | 711.5 | 575.3 | 575.3 |
| 62.5° | 2353.3 | 2334.2 | 2154.7 | 1601.1 | 1163.3 | 673.3 | 370.4 | 231.6 | 175.6 | 164.2 | 162.9 |
| 65° | 660.5 | 656.7 | 543.5 | 384.4 | 244.4 | 151.5 | 133.6 | 136.2 | 133.6 | 129.8 | 128.5 |
| 67.5° | 99.3 | 109.5 | 109.5 | 89.1 | 85.3 | 95.5 | 112.0 | 119.6 | 113.3 | 106.9 | 104.4 |
| 70° | 63.6 | 68.7 | 66.2 | 57.3 | 61.1 | 71.3 | 80.2 | 81.5 | 77.6 | 71.3 | 70.0 |
| 72.5° | 44.5 | 49.6 | 40.7 | 36.9 | 38.2 | 42.0 | 45.8 | 45.8 | 44.5 | 42.0 | 39.5 |
| 75° | 26.7 | 26.7 | 19.1 | 17.8 | 17.8 | 19.1 | 19.1 | 21.6 | 21.6 | 20.4 | 19.1 |
| 77.5° | 8.9 | 10.2 | 6.4 | 5.1 | 5.1 | 5.1 | 6.4 | 7.6 | 7.6 | 6.4 | 5.1 |
| 80° | 1.3 | 2.5 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 2.5 | 2.5 | 1.3 |
| 82.5° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 |
| 87.5° | 0.0 | 0.0 | 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 | 0.0 |

(END OF REPORT)