

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: P450927

Luminaire Tested: **GALN-SA1D-730-U-SLL-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450927
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1D-730-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5120 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

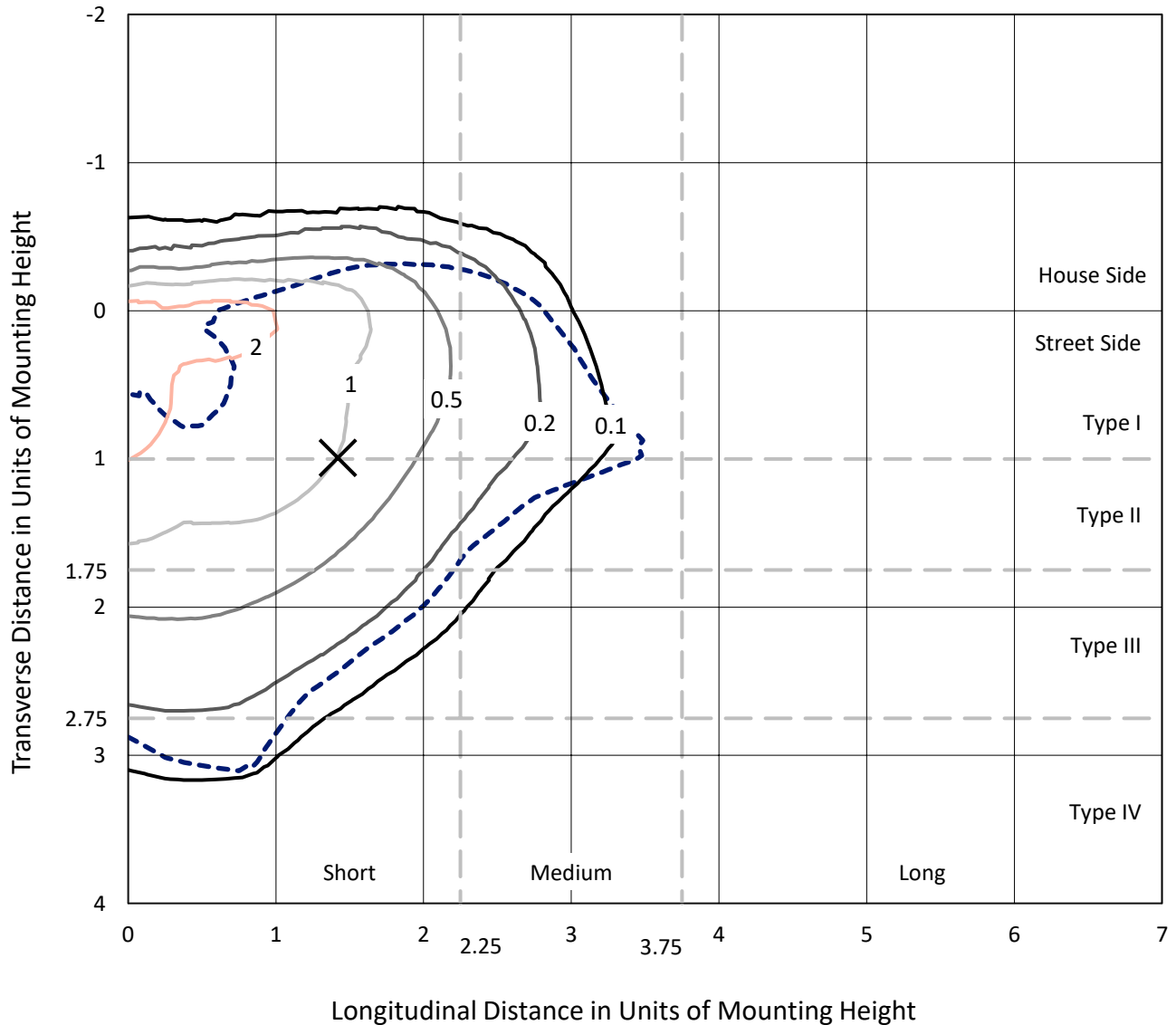
Input Watts (W): 65
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P450927
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Iso-Footcandle Lines of Horizontal Illumination

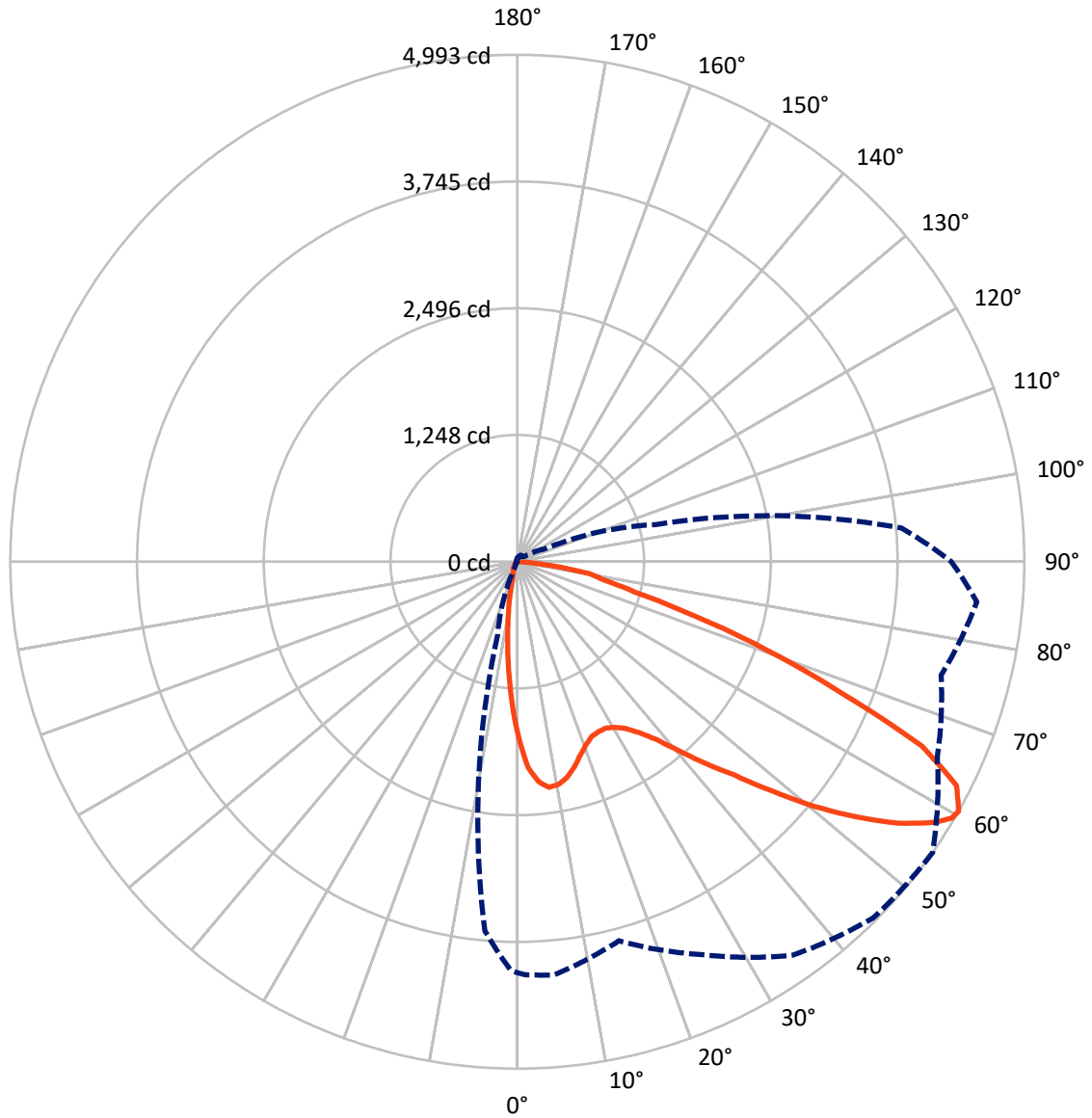
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 759.9 | 0.0 | 759.9 |
| | % Fixture | 14.8 | 0.0 | 14.8 |
| Street Side | Lumens | 4360.2 | 0.0 | 4360.2 |
| | % Fixture | 85.2 | 0.0 | 85.2 |
| Total | Lumens | 5120.0 | 0.0 | 5120.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 128.4 | 2.5 |
| 10°-20° | 252.8 | 4.9 |
| 20°-30° | 374.2 | 7.3 |
| 30°-40° | 557.8 | 10.9 |
| 40°-50° | 816.9 | 16.0 |
| 50°-60° | 1179.3 | 23.0 |
| 60°-70° | 1240.6 | 24.2 |
| 70°-80° | 510.3 | 10.0 |
| 80°-90° | 59.8 | 1.2 |
| 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° | 5120.0 | 100.0 |
| 0°-180° | 5120.0 | 100.0 |

Coefficient of Utilization



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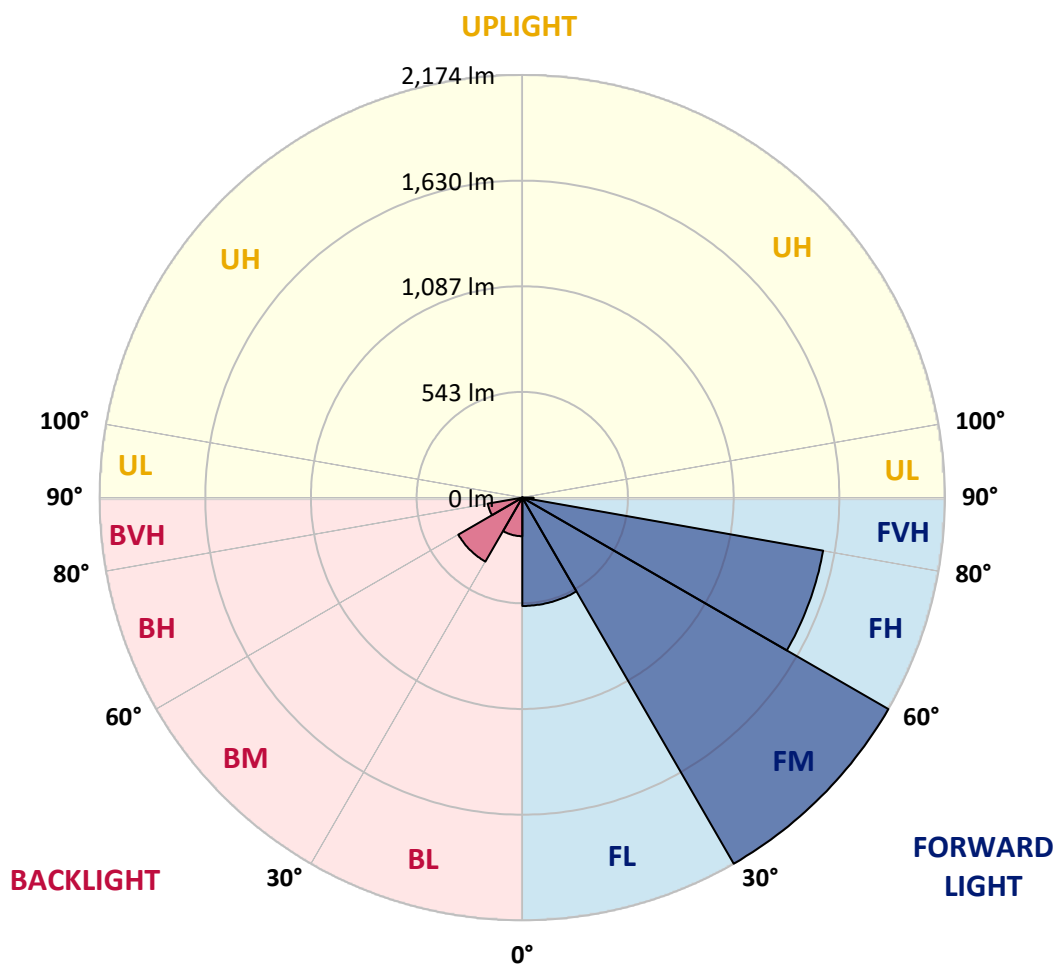
CATALOG NUMBER: GALN-SA1D-730-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 557.1 | 10.9 | | | |
| FM (30°-60°) | 2174.0 | 42.5 | | | |
| FH (60°-80°) | 1571.1 | 30.7 | | | G1/1800 |
| FVH (80°-90°) | 58.0 | 1.1 | | | G1/100 |
| BL (0°-30°) | 198.2 | 3.9 | B1/500 | | |
| BM (30°-60°) | 380.0 | 7.4 | B1/1000 | | |
| BH (60°-80°) | 179.9 | 3.5 | B1/500 | | G1/500 |
| BVH (80°-90°) | 1.8 | 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-G1

Type III Short





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CATALOG NUMBER: GALN-SA1D-730-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1733.6 | 1733.6 | 1733.6 | 1733.6 | 1733.6 | 1733.6 | 1733.6 | 1733.6 | 1733.6 | 1733.6 | 1733.6 |
| 2.5° | 1894.0 | 1890.9 | 1918.8 | 1964.6 | 2010.7 | 2034.7 | 2030.0 | 2028.0 | 1989.8 | 1961.8 | 1903.1 |
| 5° | 1890.1 | 1906.2 | 1956.3 | 2080.0 | 2173.8 | 2219.1 | 2232.5 | 2176.2 | 2101.7 | 1993.7 | 1860.5 |
| 7.5° | 1777.0 | 1797.1 | 1878.6 | 2072.1 | 2238.8 | 2337.4 | 2333.8 | 2243.6 | 2089.9 | 1922.8 | 1732.8 |
| 10° | 1636.7 | 1660.3 | 1756.1 | 1991.0 | 2207.3 | 2337.4 | 2344.5 | 2230.2 | 2039.0 | 1824.7 | 1624.8 |
| 12.5° | 1537.8 | 1565.7 | 1671.7 | 1915.3 | 2126.1 | 2254.2 | 2262.5 | 2179.7 | 2000.8 | 1786.8 | 1566.1 |
| 15° | 1504.3 | 1530.7 | 1638.2 | 1877.1 | 2039.8 | 2108.8 | 2106.8 | 2098.2 | 1985.8 | 1795.9 | 1569.3 |
| 17.5° | 1561.8 | 1583.5 | 1704.8 | 1894.4 | 1959.0 | 1951.9 | 1962.2 | 2004.0 | 1989.0 | 1871.9 | 1668.6 |
| 20° | 1710.4 | 1732.4 | 1862.9 | 1947.6 | 1897.2 | 1852.2 | 1857.0 | 1926.7 | 2018.2 | 2015.0 | 1823.9 |
| 22.5° | 1914.9 | 1952.3 | 2070.6 | 2050.9 | 1888.9 | 1790.4 | 1780.5 | 1871.2 | 2067.8 | 2179.7 | 2033.5 |
| 25° | 2173.8 | 2211.7 | 2303.9 | 2215.6 | 1929.5 | 1775.8 | 1766.7 | 1854.2 | 2128.1 | 2340.5 | 2269.6 |
| 27.5° | 2391.4 | 2420.1 | 2512.0 | 2376.0 | 1989.4 | 1782.1 | 1767.1 | 1856.6 | 2177.0 | 2477.3 | 2468.6 |
| 30° | 2565.5 | 2586.8 | 2640.8 | 2450.9 | 2041.0 | 1809.7 | 1792.3 | 1891.3 | 2198.6 | 2543.9 | 2629.8 |
| 32.5° | 2705.8 | 2741.7 | 2758.7 | 2530.9 | 2115.1 | 1861.7 | 1832.1 | 1957.9 | 2251.5 | 2626.2 | 2798.9 |
| 35° | 2866.2 | 2907.6 | 2885.9 | 2607.3 | 2212.8 | 1942.9 | 1906.6 | 2065.8 | 2331.5 | 2702.3 | 2995.1 |
| 37.5° | 3069.6 | 3117.3 | 3032.6 | 2687.7 | 2316.1 | 2065.1 | 2048.1 | 2217.6 | 2452.8 | 2811.1 | 3205.6 |
| 40° | 3280.0 | 3307.6 | 3174.8 | 2785.5 | 2443.0 | 2242.8 | 2258.9 | 2443.0 | 2611.7 | 2941.5 | 3429.4 |
| 42.5° | 3444.4 | 3470.4 | 3321.0 | 2867.4 | 2572.6 | 2453.6 | 2521.0 | 2714.9 | 2793.7 | 3075.1 | 3596.5 |
| 45° | 3570.1 | 3592.2 | 3422.3 | 2956.9 | 2747.6 | 2759.0 | 2886.3 | 2995.1 | 2976.2 | 3156.7 | 3725.4 |
| 47.5° | 3667.8 | 3686.7 | 3500.3 | 3053.0 | 3009.7 | 3132.7 | 3327.3 | 3373.4 | 3165.4 | 3245.0 | 3842.0 |
| 50° | 3708.0 | 3713.5 | 3524.8 | 3175.6 | 3307.2 | 3608.7 | 3811.7 | 3783.7 | 3382.1 | 3343.1 | 3966.2 |
| 52.5° | 3760.4 | 3759.3 | 3594.5 | 3292.3 | 3587.0 | 4034.3 | 4236.9 | 4173.5 | 3627.2 | 3490.1 | 4105.7 |
| 55° | 3898.0 | 3899.6 | 3743.9 | 3457.8 | 3825.5 | 4378.0 | 4594.7 | 4548.6 | 3885.8 | 3738.4 | 4268.4 |
| 57.5° | 4065.1 | 4071.0 | 3956.3 | 3651.3 | 4053.3 | 4627.1 | 4861.9 | 4844.2 | 4235.3 | 4014.6 | 4422.1 |
| 59° | 4086.8 | 4098.6 | 4056.8 | 3787.6 | 4188.4 | 4703.5 | 4953.4 | 4970.7 | 4422.5 | 4196.7 | 4505.3 |
| 60° | 4047.3 | 4067.0 | 4086.0 | 3864.9 | 4267.6 | 4731.1 | 4958.9 | 4992.8 | 4563.2 | 4320.4 | 4543.1 |
| 62.5° | 3875.5 | 3906.7 | 4001.6 | 4102.5 | 4366.6 | 4645.2 | 4782.7 | 4853.7 | 4737.4 | 4645.6 | 4546.7 |
| 65° | 3650.5 | 3666.6 | 3803.8 | 4144.7 | 4174.6 | 4244.0 | 4286.6 | 4377.6 | 4528.1 | 4770.9 | 4383.9 |
| 67.5° | 3281.6 | 3329.3 | 3497.2 | 3900.0 | 3608.3 | 3526.3 | 3515.7 | 3425.1 | 3816.0 | 4472.2 | 3982.7 |
| 70° | 2711.0 | 2732.3 | 2939.2 | 3197.3 | 2723.2 | 2597.1 | 2647.5 | 2613.6 | 2958.1 | 3849.9 | 3205.6 |
| 72.5° | 2050.1 | 2098.2 | 2300.3 | 2548.6 | 1853.0 | 1689.5 | 1828.6 | 1816.0 | 2221.9 | 3094.0 | 2202.2 |
| 75° | 1458.5 | 1489.7 | 1747.4 | 1994.5 | 1297.8 | 1099.5 | 1149.6 | 1196.5 | 1551.2 | 2443.0 | 1301.3 |
| 77.5° | 1002.2 | 1029.0 | 1222.5 | 1319.0 | 946.6 | 906.8 | 829.6 | 874.9 | 1016.4 | 1449.5 | 708.2 |
| 80° | 604.5 | 603.4 | 730.6 | 754.3 | 659.3 | 765.7 | 642.4 | 721.2 | 614.4 | 620.3 | 274.3 |
| 82.5° | 392.5 | 388.6 | 446.9 | 487.1 | 366.9 | 385.8 | 258.9 | 373.2 | 400.4 | 173.0 | 86.7 |
| 85° | 175.8 | 183.3 | 214.8 | 283.4 | 160.8 | 85.5 | 52.8 | 114.7 | 170.6 | 87.1 | 0.0 |
| 87.5° | 18.1 | 14.2 | 37.8 | 69.0 | 22.1 | 2.4 | 7.9 | 3.9 | 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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CATALOG NUMBER: GALN-SA1D-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1733.6 | 1733.6 | 1733.6 | 1733.6 | 1733.6 | 1733.6 | 1733.6 | 1733.6 | 1733.6 | 1733.6 | 1733.6 |
| 2.5° | 1875.9 | 1853.0 | 1784.9 | 1721.0 | 1666.2 | 1599.2 | 1555.9 | 1487.7 | 1446.3 | 1433.7 | 1435.7 |
| 5° | 1800.6 | 1734.8 | 1605.1 | 1501.5 | 1386.0 | 1320.2 | 1220.1 | 1124.0 | 1071.9 | 1052.6 | 1044.0 |
| 7.5° | 1643.0 | 1572.4 | 1416.0 | 1253.2 | 1129.5 | 1014.0 | 939.5 | 854.8 | 796.9 | 749.2 | 740.9 |
| 10° | 1525.9 | 1433.3 | 1239.4 | 1064.4 | 966.7 | 880.0 | 805.5 | 720.8 | 652.6 | 598.2 | 583.3 |
| 12.5° | 1455.8 | 1352.1 | 1135.8 | 989.2 | 896.6 | 807.5 | 710.6 | 612.4 | 542.7 | 483.9 | 456.8 |
| 15° | 1443.2 | 1323.0 | 1106.6 | 935.2 | 820.9 | 713.3 | 584.4 | 478.4 | 406.7 | 351.1 | 334.2 |
| 17.5° | 1519.2 | 1375.4 | 1102.3 | 878.8 | 722.0 | 569.5 | 435.5 | 347.6 | 266.8 | 235.7 | 223.5 |
| 20° | 1654.8 | 1468.0 | 1101.9 | 813.4 | 620.3 | 438.6 | 305.8 | 226.6 | 193.9 | 178.9 | 171.8 |
| 22.5° | 1839.6 | 1594.1 | 1122.8 | 757.1 | 514.7 | 323.6 | 218.3 | 180.5 | 161.6 | 149.4 | 146.6 |
| 25° | 2065.4 | 1780.9 | 1174.0 | 718.8 | 433.9 | 253.8 | 180.1 | 154.5 | 138.7 | 133.2 | 130.8 |
| 27.5° | 2266.0 | 1959.8 | 1230.4 | 679.4 | 376.0 | 224.6 | 167.1 | 141.5 | 128.9 | 124.5 | 121.0 |
| 30° | 2439.0 | 2122.2 | 1257.6 | 627.4 | 329.5 | 205.7 | 169.5 | 151.3 | 134.8 | 121.8 | 115.9 |
| 32.5° | 2583.3 | 2246.7 | 1275.3 | 580.1 | 290.1 | 168.3 | 134.0 | 117.0 | 109.6 | 104.8 | 100.9 |
| 35° | 2763.8 | 2381.5 | 1264.6 | 553.3 | 270.0 | 153.3 | 122.2 | 100.9 | 88.3 | 78.8 | 74.9 |
| 37.5° | 2952.9 | 2516.3 | 1246.1 | 531.2 | 260.9 | 142.3 | 116.3 | 95.8 | 82.0 | 72.1 | 67.0 |
| 40° | 3148.8 | 2641.2 | 1224.4 | 510.7 | 252.6 | 135.2 | 112.7 | 91.4 | 77.6 | 67.0 | 61.5 |
| 42.5° | 3328.1 | 2763.0 | 1215.8 | 497.3 | 239.2 | 136.4 | 110.0 | 89.5 | 73.3 | 62.3 | 57.5 |
| 45° | 3473.1 | 2878.5 | 1227.6 | 490.3 | 224.6 | 134.4 | 110.7 | 87.1 | 69.8 | 59.1 | 54.4 |
| 47.5° | 3628.0 | 3041.6 | 1265.8 | 483.2 | 210.4 | 124.9 | 116.7 | 86.7 | 68.2 | 57.1 | 52.0 |
| 50° | 3808.1 | 3250.5 | 1353.3 | 465.8 | 193.1 | 114.7 | 124.1 | 86.3 | 66.2 | 54.8 | 49.7 |
| 52.5° | 4048.1 | 3487.7 | 1443.6 | 435.5 | 167.9 | 104.8 | 118.6 | 85.1 | 62.3 | 52.0 | 46.9 |
| 55° | 4263.7 | 3737.6 | 1520.0 | 399.6 | 136.0 | 90.6 | 106.8 | 80.0 | 55.6 | 47.3 | 42.6 |
| 57.5° | 4352.8 | 3878.7 | 1517.7 | 350.0 | 108.8 | 79.6 | 87.9 | 73.3 | 48.5 | 41.8 | 37.8 |
| 59° | 4320.1 | 3860.9 | 1466.8 | 313.3 | 99.3 | 73.7 | 72.9 | 72.5 | 45.3 | 37.8 | 34.7 |
| 60° | 4273.9 | 3796.3 | 1412.0 | 295.2 | 93.4 | 69.8 | 67.0 | 71.7 | 42.6 | 35.5 | 32.3 |
| 62.5° | 4097.4 | 3528.3 | 1230.4 | 264.4 | 85.5 | 59.1 | 53.6 | 60.7 | 37.8 | 30.7 | 28.0 |
| 65° | 3841.6 | 3116.5 | 1041.6 | 255.8 | 83.2 | 48.9 | 44.5 | 43.4 | 32.3 | 26.0 | 23.6 |
| 67.5° | 3342.7 | 2637.3 | 843.8 | 249.9 | 83.9 | 41.0 | 39.0 | 32.7 | 26.8 | 21.7 | 20.1 |
| 70° | 2676.3 | 2056.4 | 690.8 | 243.2 | 84.7 | 33.5 | 32.7 | 26.0 | 21.7 | 18.1 | 16.6 |
| 72.5° | 1626.0 | 1218.9 | 543.8 | 211.2 | 82.4 | 26.8 | 29.2 | 19.7 | 15.8 | 13.0 | 12.2 |
| 75° | 1005.3 | 834.3 | 337.3 | 164.3 | 54.4 | 19.7 | 20.5 | 12.2 | 10.6 | 8.3 | 8.3 |
| 77.5° | 582.5 | 526.9 | 120.6 | 59.1 | 24.0 | 11.8 | 9.1 | 6.3 | 5.9 | 3.5 | 3.5 |
| 80° | 241.6 | 193.5 | 41.8 | 20.1 | 13.0 | 5.5 | 2.0 | 0.4 | 0.0 | 0.0 | 0.0 |
| 82.5° | 70.5 | 62.7 | 11.4 | 9.1 | 3.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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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CATALOG NUMBER: GALN-SA1D-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1733.6 | 1733.6 | 1733.6 | 1733.6 | 1733.6 | 1733.6 | 1733.6 | 1733.6 | 1733.6 | 1733.6 | 1733.6 |
| 2.5° | 1402.2 | 1389.2 | 1383.3 | 1403.4 | 1384.8 | 1408.5 | 1390.4 | 1398.2 | 1421.5 | 1431.7 | 1458.1 |
| 5° | 1049.5 | 1036.1 | 1029.8 | 1060.1 | 1058.5 | 1073.5 | 1071.9 | 1085.7 | 1097.6 | 1071.1 | 1098.3 |
| 7.5° | 731.0 | 722.0 | 737.0 | 760.6 | 785.8 | 777.5 | 777.5 | 759.0 | 765.3 | 761.4 | 760.2 |
| 10° | 556.1 | 524.9 | 517.1 | 516.3 | 525.7 | 527.7 | 517.1 | 491.4 | 500.9 | 503.7 | 520.2 |
| 12.5° | 437.4 | 413.4 | 376.8 | 360.2 | 355.9 | 359.4 | 324.3 | 301.9 | 312.5 | 306.2 | 322.4 |
| 15° | 313.7 | 294.0 | 272.3 | 253.8 | 248.7 | 241.6 | 203.4 | 176.6 | 173.4 | 174.6 | 177.3 |
| 17.5° | 223.8 | 210.4 | 210.4 | 190.7 | 180.1 | 158.8 | 139.5 | 127.7 | 126.5 | 127.7 | 129.7 |
| 20° | 165.1 | 158.0 | 157.2 | 152.1 | 140.3 | 126.1 | 112.7 | 110.3 | 109.6 | 111.5 | 112.3 |
| 22.5° | 142.3 | 134.8 | 128.5 | 128.1 | 117.0 | 105.2 | 98.9 | 95.8 | 96.2 | 96.9 | 98.9 |
| 25° | 127.3 | 119.4 | 112.7 | 108.8 | 100.9 | 92.6 | 86.7 | 85.1 | 85.1 | 86.3 | 86.7 |
| 27.5° | 116.7 | 106.8 | 100.9 | 95.4 | 88.3 | 81.2 | 76.1 | 74.9 | 74.1 | 74.9 | 76.8 |
| 30° | 109.2 | 99.3 | 91.8 | 83.5 | 78.0 | 71.3 | 67.0 | 65.4 | 65.0 | 65.4 | 67.0 |
| 32.5° | 93.4 | 87.5 | 81.6 | 74.1 | 67.4 | 63.1 | 58.3 | 55.6 | 55.6 | 56.4 | 57.9 |
| 35° | 70.5 | 67.4 | 67.0 | 65.0 | 59.5 | 54.8 | 49.3 | 46.5 | 46.5 | 48.1 | 48.9 |
| 37.5° | 62.3 | 56.4 | 55.6 | 54.8 | 52.4 | 46.1 | 41.0 | 38.6 | 38.2 | 39.4 | 41.0 |
| 40° | 56.7 | 50.0 | 46.5 | 45.7 | 46.1 | 39.0 | 33.5 | 31.1 | 31.1 | 31.5 | 33.1 |
| 42.5° | 52.4 | 44.5 | 38.2 | 37.4 | 39.0 | 32.7 | 27.2 | 24.8 | 24.8 | 24.8 | 26.8 |
| 45° | 48.9 | 39.8 | 32.3 | 28.4 | 30.7 | 26.8 | 22.1 | 19.7 | 18.9 | 19.7 | 20.5 |
| 47.5° | 46.5 | 36.3 | 28.4 | 22.9 | 22.9 | 21.3 | 17.7 | 15.0 | 14.2 | 14.6 | 15.8 |
| 50° | 44.5 | 33.1 | 24.0 | 18.5 | 16.6 | 16.9 | 13.4 | 11.4 | 10.6 | 10.6 | 11.8 |
| 52.5° | 41.4 | 30.0 | 20.9 | 15.8 | 12.6 | 11.4 | 9.9 | 8.3 | 7.9 | 8.3 | 9.1 |
| 55° | 37.4 | 27.2 | 18.1 | 13.0 | 9.9 | 7.9 | 7.1 | 5.9 | 5.5 | 5.9 | 7.1 |
| 57.5° | 33.1 | 22.9 | 14.6 | 10.2 | 6.7 | 5.1 | 4.7 | 3.9 | 3.2 | 3.5 | 4.3 |
| 59° | 30.3 | 20.5 | 12.6 | 8.3 | 5.1 | 3.5 | 3.5 | 2.8 | 2.0 | 2.4 | 3.5 |
| 60° | 29.2 | 18.9 | 10.6 | 7.1 | 4.3 | 2.8 | 2.8 | 2.0 | 1.2 | 1.6 | 2.8 |
| 62.5° | 24.8 | 15.8 | 8.3 | 4.3 | 2.0 | 0.4 | 1.2 | 0.4 | 0.0 | 0.4 | 1.2 |
| 65° | 20.9 | 12.6 | 5.5 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 |
| 67.5° | 17.3 | 9.5 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 13.8 | 6.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 9.5 | 3.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 5.9 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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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| 47.5° | 20.1 | 28.4 | 41.4 | 55.6 | 50.0 | 61.9 | 710.9 | 3134.2 | 3617.4 | 3667.8 |
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| 62.5° | 4.7 | 8.3 | 10.6 | 15.0 | 19.7 | 29.2 | 659.7 | 3420.7 | 3854.2 | 3875.5 |
| 65° | 3.2 | 5.9 | 7.9 | 11.0 | 15.4 | 25.2 | 537.5 | 3122.8 | 3602.8 | 3650.5 |
| 67.5° | 2.0 | 4.3 | 6.3 | 8.3 | 12.6 | 21.3 | 383.1 | 2677.9 | 3250.9 | 3281.6 |
| 70° | 1.2 | 2.8 | 4.7 | 6.7 | 9.9 | 16.9 | 227.4 | 2116.7 | 2704.7 | 2711.0 |
| 72.5° | 0.8 | 2.0 | 3.2 | 4.7 | 7.9 | 15.4 | 110.3 | 1379.7 | 1974.8 | 2050.1 |
| 75° | 0.4 | 1.2 | 2.0 | 3.5 | 6.3 | 12.6 | 52.8 | 921.8 | 1436.9 | 1458.5 |
| 77.5° | 0.0 | 0.4 | 1.2 | 2.4 | 4.7 | 9.9 | 30.7 | 605.3 | 979.7 | 1002.2 |
| 80° | 0.0 | 0.0 | 0.8 | 2.0 | 3.5 | 6.3 | 18.5 | 357.0 | 593.5 | 604.5 |
| 82.5° | 0.0 | 0.0 | 0.4 | 1.6 | 2.4 | 4.7 | 9.5 | 156.8 | 388.6 | 392.5 |
| 85° | 0.0 | 0.0 | 0.4 | 1.6 | 2.0 | 3.2 | 3.5 | 21.3 | 172.6 | 175.8 |
| 87.5° | 0.0 | 0.0 | 0.4 | 2.0 | 2.0 | 2.0 | 2.0 | 1.2 | 14.6 | 18.1 |
| 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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