

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: P451855

Luminaire Tested: **GALN-SA2D-730-U-SLL-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P451855
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-SA2D-730-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10175 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

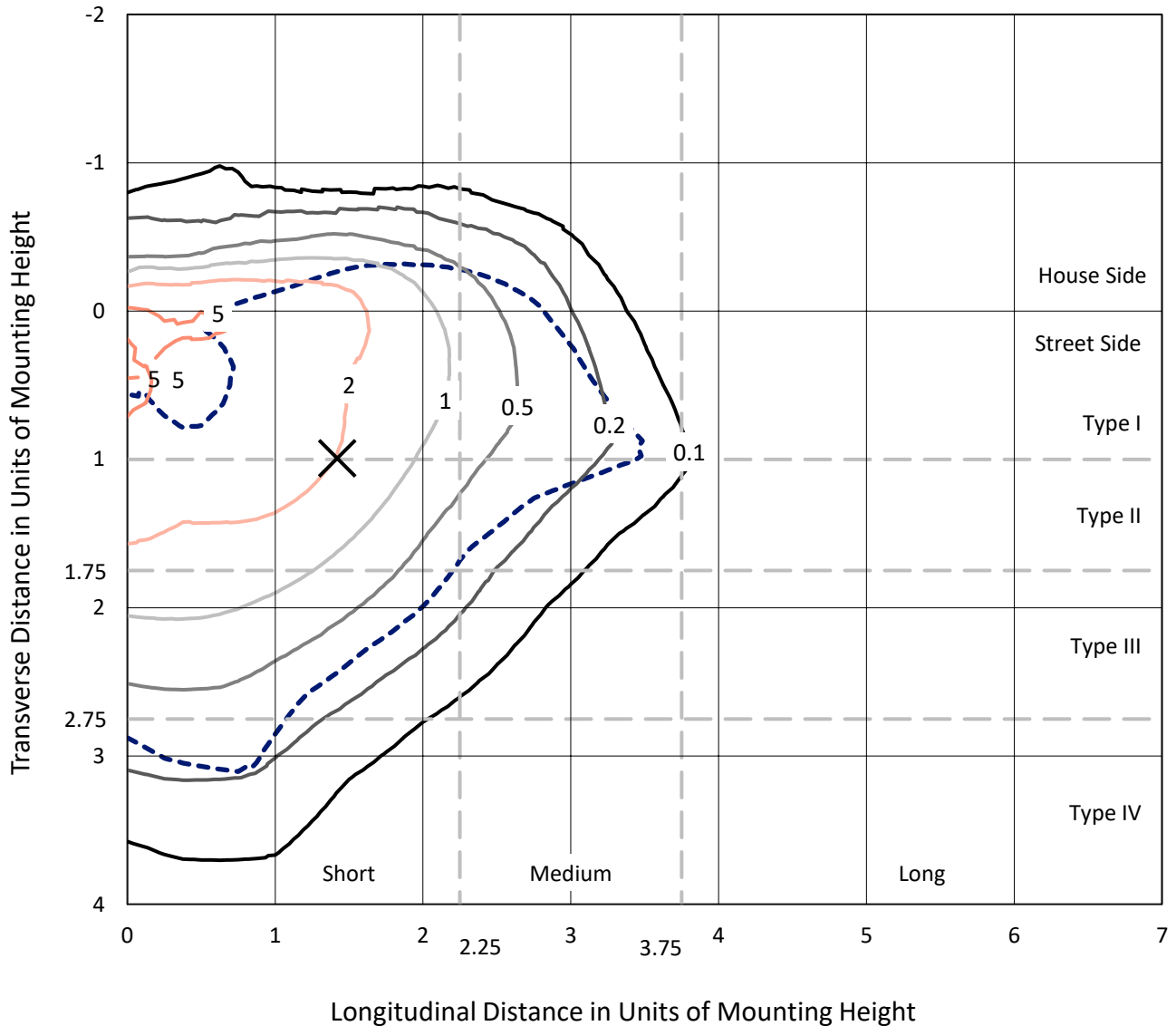
Input Watts (W): 125
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P451855
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Iso-Footcandle Lines of Horizontal Illumination

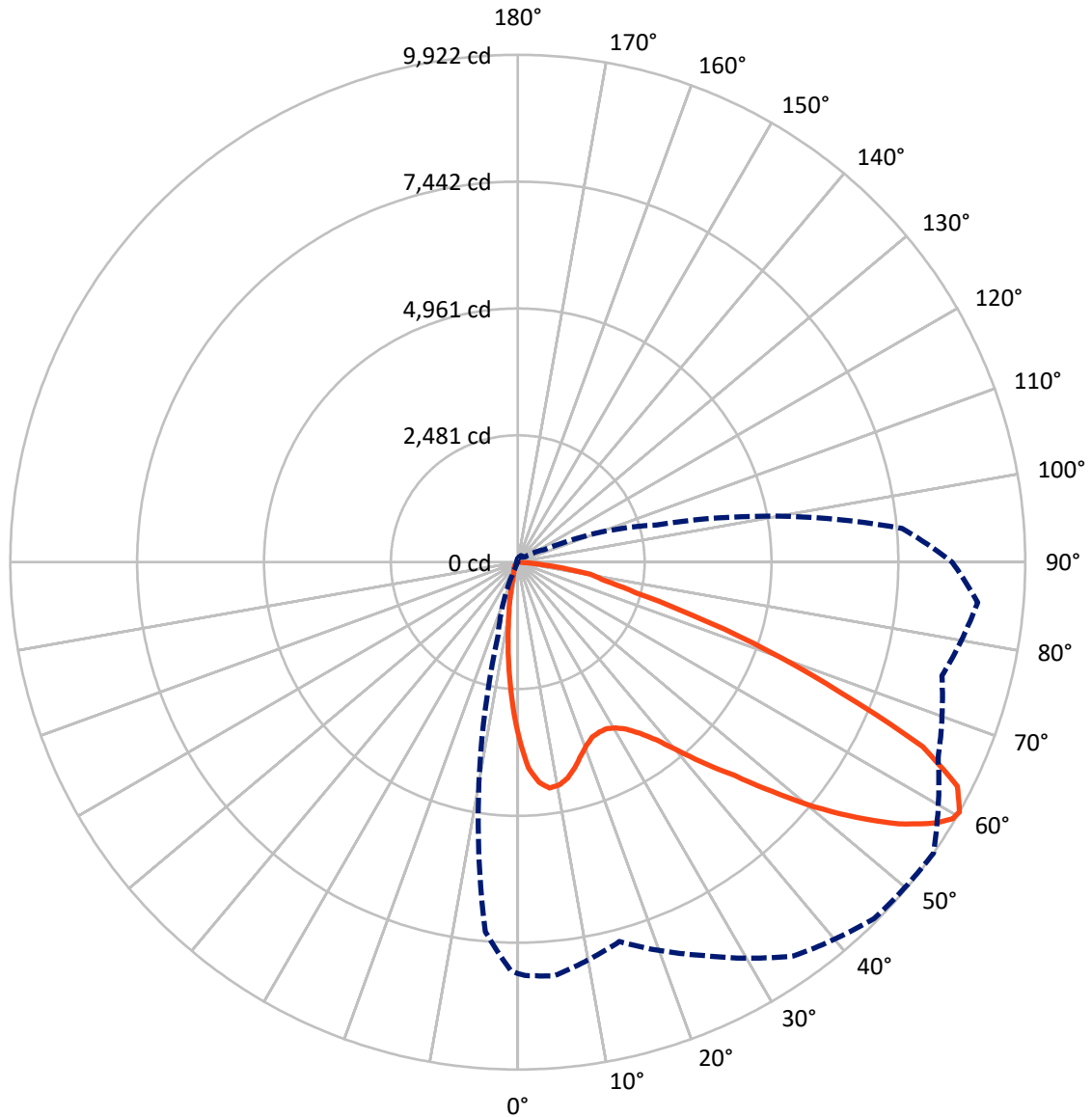
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type III - Short - N/A

REPORT NUMBER: P451855
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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 | 1510.1 | 0.0 | 1510.1 |
| | % Fixture | 14.8 | 0.0 | 14.8 |
| Street Side | Lumens | 8664.9 | 0.0 | 8664.9 |
| | % Fixture | 85.2 | 0.0 | 85.2 |
| Total | Lumens | 10175.0 | 0.0 | 10175.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 255.1 | 2.5 |
| 10°-20° | 502.4 | 4.9 |
| 20°-30° | 743.6 | 7.3 |
| 30°-40° | 1108.5 | 10.9 |
| 40°-50° | 1623.4 | 16.0 |
| 50°-60° | 2343.6 | 23.0 |
| 60°-70° | 2465.4 | 24.2 |
| 70°-80° | 1014.2 | 10.0 |
| 80°-90° | 118.8 | 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° | 10175.0 | 100.0 |
| 0°-180° | 10175.0 | 100.0 |

Coefficient of Utilization



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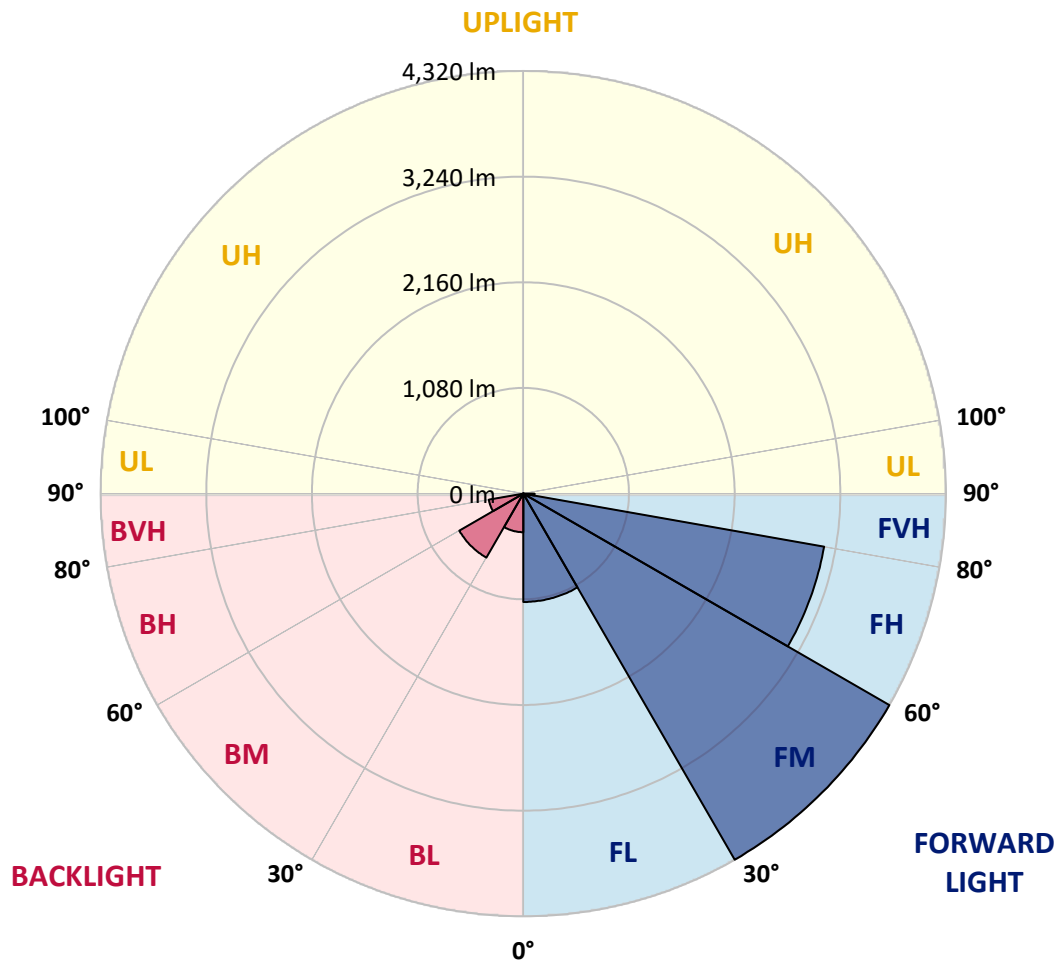
CATALOG NUMBER: GALN-SA2D-730-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1107.2 | 10.9 | | | |
| FM (30°-60°) | 4320.3 | 42.5 | | | |
| FH (60°-80°) | 3122.1 | 30.7 | | | G2/5000 |
| FVH (80°-90°) | 115.3 | 1.1 | | | G2/225 |
| BL (0°-30°) | 394.0 | 3.9 | B1/500 | | |
| BM (30°-60°) | 755.2 | 7.4 | B1/1000 | | |
| BH (60°-80°) | 357.4 | 3.5 | 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: B1-U0-G2

Type III Short





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CATALOG NUMBER: GALN-SA2D-730-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3445.2 | 3445.2 | 3445.2 | 3445.2 | 3445.2 | 3445.2 | 3445.2 | 3445.2 | 3445.2 | 3445.2 | 3445.2 |
| 2.5° | 3764.0 | 3757.7 | 3813.3 | 3904.2 | 3995.8 | 4043.6 | 4034.2 | 4030.3 | 3954.3 | 3898.7 | 3782.0 |
| 5° | 3756.2 | 3788.3 | 3887.7 | 4133.6 | 4320.0 | 4410.1 | 4436.7 | 4324.7 | 4176.7 | 3962.1 | 3697.4 |
| 7.5° | 3531.4 | 3571.3 | 3733.4 | 4118.0 | 4449.3 | 4645.1 | 4638.0 | 4458.7 | 4153.2 | 3821.2 | 3443.7 |
| 10° | 3252.6 | 3299.6 | 3489.9 | 3956.6 | 4386.6 | 4645.1 | 4659.2 | 4432.0 | 4052.2 | 3626.1 | 3229.1 |
| 12.5° | 3056.0 | 3111.6 | 3322.3 | 3806.3 | 4225.3 | 4479.8 | 4496.3 | 4331.8 | 3976.2 | 3551.0 | 3112.4 |
| 15° | 2989.4 | 3041.9 | 3255.7 | 3730.3 | 4053.8 | 4190.8 | 4186.9 | 4169.7 | 3946.5 | 3569.0 | 3118.6 |
| 17.5° | 3103.8 | 3146.8 | 3388.1 | 3764.8 | 3893.2 | 3879.1 | 3899.5 | 3982.5 | 3952.7 | 3720.1 | 3316.0 |
| 20° | 3399.0 | 3442.9 | 3702.1 | 3870.5 | 3770.2 | 3681.0 | 3690.4 | 3829.0 | 4010.7 | 4004.4 | 3624.6 |
| 22.5° | 3805.5 | 3879.9 | 4114.8 | 4075.7 | 3753.8 | 3558.0 | 3538.4 | 3718.6 | 4109.4 | 4331.8 | 4041.2 |
| 25° | 4320.0 | 4395.2 | 4578.5 | 4403.1 | 3834.5 | 3529.0 | 3511.0 | 3684.9 | 4229.2 | 4651.3 | 4510.4 |
| 27.5° | 4752.4 | 4809.5 | 4992.0 | 4721.8 | 3953.5 | 3541.6 | 3511.8 | 3689.6 | 4326.3 | 4923.1 | 4905.9 |
| 30° | 5098.5 | 5140.8 | 5248.1 | 4870.6 | 4056.1 | 3596.4 | 3561.9 | 3758.5 | 4369.4 | 5055.5 | 5226.2 |
| 32.5° | 5377.3 | 5448.6 | 5482.3 | 5029.6 | 4203.3 | 3699.8 | 3641.0 | 3890.9 | 4474.3 | 5219.1 | 5562.2 |
| 35° | 5696.1 | 5778.3 | 5735.3 | 5181.5 | 4397.6 | 3861.1 | 3789.0 | 4105.5 | 4633.3 | 5370.3 | 5952.2 |
| 37.5° | 6100.2 | 6195.0 | 6026.6 | 5341.3 | 4602.8 | 4103.9 | 4070.2 | 4407.0 | 4874.5 | 5586.5 | 6370.4 |
| 40° | 6518.4 | 6573.3 | 6309.3 | 5535.5 | 4855.0 | 4457.1 | 4489.2 | 4855.0 | 5190.2 | 5845.7 | 6815.3 |
| 42.5° | 6845.0 | 6896.7 | 6599.9 | 5698.4 | 5112.6 | 4876.1 | 5010.0 | 5395.4 | 5552.0 | 6111.2 | 7147.3 |
| 45° | 7094.9 | 7138.7 | 6801.2 | 5876.2 | 5460.4 | 5483.1 | 5736.0 | 5952.2 | 5914.6 | 6273.3 | 7403.4 |
| 47.5° | 7289.1 | 7326.7 | 6956.2 | 6067.3 | 5981.2 | 6225.5 | 6612.4 | 6704.1 | 6290.5 | 6448.7 | 7635.3 |
| 50° | 7369.0 | 7379.9 | 7004.8 | 6310.9 | 6572.5 | 7171.6 | 7575.0 | 7519.4 | 6721.3 | 6643.8 | 7882.0 |
| 52.5° | 7473.1 | 7470.8 | 7143.4 | 6542.7 | 7128.5 | 8017.5 | 8420.0 | 8293.9 | 7208.4 | 6935.9 | 8159.2 |
| 55° | 7746.5 | 7749.6 | 7440.2 | 6871.7 | 7602.4 | 8700.4 | 9131.1 | 9039.5 | 7722.2 | 7429.3 | 8482.7 |
| 57.5° | 8078.5 | 8090.3 | 7862.4 | 7256.2 | 8055.0 | 9195.4 | 9662.1 | 9626.9 | 8416.9 | 7978.3 | 8788.1 |
| 59° | 8121.6 | 8145.1 | 8062.1 | 7527.2 | 8323.7 | 9347.3 | 9843.8 | 9878.3 | 8788.9 | 8340.1 | 8953.4 |
| 60° | 8043.3 | 8082.5 | 8120.1 | 7680.7 | 8481.1 | 9402.1 | 9854.8 | 9922.2 | 9068.5 | 8586.0 | 9028.5 |
| 62.5° | 7701.8 | 7763.7 | 7952.5 | 8152.9 | 8677.7 | 9231.4 | 9504.7 | 9645.7 | 9414.7 | 9232.2 | 9035.6 |
| 65° | 7254.6 | 7286.7 | 7559.3 | 8236.7 | 8296.3 | 8434.1 | 8518.7 | 8699.6 | 8998.8 | 9481.2 | 8712.1 |
| 67.5° | 6521.6 | 6616.3 | 6950.0 | 7750.4 | 7170.8 | 7007.9 | 6986.8 | 6806.7 | 7583.6 | 8887.6 | 7914.9 |
| 70° | 5387.5 | 5429.8 | 5841.0 | 6354.0 | 5411.8 | 5161.2 | 5261.4 | 5194.1 | 5878.6 | 7650.9 | 6370.4 |
| 72.5° | 4074.1 | 4169.7 | 4571.4 | 5064.9 | 3682.5 | 3357.5 | 3634.0 | 3608.9 | 4415.6 | 6148.8 | 4376.4 |
| 75° | 2898.6 | 2960.4 | 3472.6 | 3963.7 | 2579.0 | 2185.1 | 2284.5 | 2377.7 | 3082.6 | 4855.0 | 2586.1 |
| 77.5° | 1991.6 | 2044.9 | 2429.4 | 2621.3 | 1881.2 | 1802.1 | 1648.6 | 1738.7 | 2019.8 | 2880.6 | 1407.4 |
| 80° | 1201.4 | 1199.1 | 1452.0 | 1499.0 | 1310.3 | 1521.7 | 1276.6 | 1433.2 | 1221.0 | 1232.7 | 545.1 |
| 82.5° | 780.1 | 772.2 | 888.1 | 968.0 | 729.1 | 766.7 | 514.6 | 741.7 | 795.7 | 343.8 | 172.3 |
| 85° | 349.3 | 364.2 | 426.8 | 563.1 | 319.5 | 170.0 | 104.9 | 227.9 | 339.1 | 173.1 | 0.0 |
| 87.5° | 36.0 | 28.2 | 75.2 | 137.1 | 43.9 | 4.7 | 15.7 | 7.8 | 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-SA2D-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3445.2 | 3445.2 | 3445.2 | 3445.2 | 3445.2 | 3445.2 | 3445.2 | 3445.2 | 3445.2 | 3445.2 | 3445.2 |
| 2.5° | 3728.0 | 3682.5 | 3547.0 | 3420.2 | 3311.3 | 3178.2 | 3092.0 | 2956.5 | 2874.3 | 2849.2 | 2853.1 |
| 5° | 3578.4 | 3447.6 | 3189.9 | 2983.9 | 2754.5 | 2623.7 | 2424.7 | 2233.6 | 2130.3 | 2091.9 | 2074.7 |
| 7.5° | 3265.1 | 3124.9 | 2814.0 | 2490.5 | 2244.6 | 2015.1 | 1867.1 | 1698.7 | 1583.6 | 1488.8 | 1472.4 |
| 10° | 3032.5 | 2848.4 | 2463.1 | 2115.4 | 1921.2 | 1748.9 | 1600.8 | 1432.4 | 1297.0 | 1188.9 | 1159.1 |
| 12.5° | 2893.1 | 2687.1 | 2257.1 | 1965.8 | 1781.7 | 1604.7 | 1412.1 | 1217.1 | 1078.4 | 961.8 | 907.7 |
| 15° | 2868.0 | 2629.1 | 2199.2 | 1858.5 | 1631.4 | 1417.6 | 1161.5 | 950.8 | 808.2 | 697.8 | 664.1 |
| 17.5° | 3019.2 | 2733.3 | 2190.6 | 1746.5 | 1434.8 | 1131.7 | 865.4 | 690.8 | 530.2 | 468.3 | 444.1 |
| 20° | 3288.6 | 2917.4 | 2189.8 | 1616.5 | 1232.7 | 871.7 | 607.8 | 450.3 | 385.3 | 355.6 | 341.5 |
| 22.5° | 3655.9 | 3168.0 | 2231.3 | 1504.5 | 1022.8 | 643.0 | 433.9 | 358.7 | 321.1 | 296.8 | 291.3 |
| 25° | 4104.7 | 3539.2 | 2333.1 | 1428.5 | 862.3 | 504.4 | 357.9 | 307.0 | 275.7 | 264.7 | 260.0 |
| 27.5° | 4503.3 | 3894.8 | 2445.1 | 1350.2 | 747.2 | 446.4 | 332.1 | 281.2 | 256.1 | 247.5 | 240.4 |
| 30° | 4847.1 | 4217.4 | 2499.1 | 1246.8 | 654.7 | 408.8 | 336.8 | 300.7 | 267.8 | 242.0 | 230.3 |
| 32.5° | 5133.8 | 4464.9 | 2534.4 | 1152.8 | 576.4 | 334.4 | 266.3 | 232.6 | 217.7 | 208.3 | 200.5 |
| 35° | 5492.5 | 4732.8 | 2513.2 | 1099.6 | 536.5 | 304.7 | 242.8 | 200.5 | 175.4 | 156.6 | 148.8 |
| 37.5° | 5868.4 | 5000.6 | 2476.4 | 1055.7 | 518.5 | 282.7 | 231.0 | 190.3 | 162.9 | 143.3 | 133.1 |
| 40° | 6257.6 | 5248.9 | 2433.4 | 1015.0 | 502.0 | 268.6 | 224.0 | 181.7 | 154.3 | 133.1 | 122.2 |
| 42.5° | 6614.0 | 5490.9 | 2416.1 | 988.4 | 475.4 | 271.0 | 218.5 | 177.8 | 145.7 | 123.7 | 114.3 |
| 45° | 6902.2 | 5720.4 | 2439.6 | 974.3 | 446.4 | 267.1 | 220.1 | 173.1 | 138.6 | 117.5 | 108.1 |
| 47.5° | 7210.0 | 6044.6 | 2515.6 | 960.2 | 418.2 | 248.3 | 231.8 | 172.3 | 135.5 | 113.6 | 103.4 |
| 50° | 7567.9 | 6459.7 | 2689.5 | 925.7 | 383.8 | 227.9 | 246.7 | 171.5 | 131.6 | 108.9 | 98.7 |
| 52.5° | 8044.9 | 6931.2 | 2868.8 | 865.4 | 333.6 | 208.3 | 235.7 | 169.2 | 123.7 | 103.4 | 93.2 |
| 55° | 8473.3 | 7427.7 | 3020.7 | 794.1 | 270.2 | 180.1 | 212.2 | 159.0 | 110.4 | 94.0 | 84.6 |
| 57.5° | 8650.3 | 7708.1 | 3016.0 | 695.5 | 216.2 | 158.2 | 174.7 | 145.7 | 96.3 | 83.0 | 75.2 |
| 59° | 8585.3 | 7672.9 | 2915.0 | 622.6 | 197.4 | 146.5 | 144.9 | 144.1 | 90.1 | 75.2 | 68.9 |
| 60° | 8493.6 | 7544.4 | 2806.1 | 586.6 | 185.6 | 138.6 | 133.1 | 142.5 | 84.6 | 70.5 | 64.2 |
| 62.5° | 8142.8 | 7011.8 | 2445.1 | 525.5 | 170.0 | 117.5 | 106.5 | 120.6 | 75.2 | 61.1 | 55.6 |
| 65° | 7634.5 | 6193.4 | 2070.0 | 508.3 | 165.3 | 97.1 | 88.5 | 86.2 | 64.2 | 51.7 | 47.0 |
| 67.5° | 6643.0 | 5241.1 | 1676.8 | 496.5 | 166.8 | 81.5 | 77.5 | 65.0 | 53.3 | 43.1 | 39.9 |
| 70° | 5318.6 | 4086.7 | 1372.9 | 483.2 | 168.4 | 66.6 | 65.0 | 51.7 | 43.1 | 36.0 | 32.9 |
| 72.5° | 3231.4 | 2422.4 | 1080.8 | 419.8 | 163.7 | 53.3 | 58.0 | 39.2 | 31.3 | 25.8 | 24.3 |
| 75° | 1997.9 | 1658.0 | 670.4 | 326.6 | 108.1 | 39.2 | 40.7 | 24.3 | 21.1 | 16.4 | 16.4 |
| 77.5° | 1157.5 | 1047.1 | 239.7 | 117.5 | 47.8 | 23.5 | 18.0 | 12.5 | 11.7 | 7.0 | 7.0 |
| 80° | 480.1 | 384.5 | 83.0 | 39.9 | 25.8 | 11.0 | 3.9 | 0.8 | 0.0 | 0.0 | 0.0 |
| 82.5° | 140.2 | 124.5 | 22.7 | 18.0 | 7.8 | 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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CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3445.2 | 3445.2 | 3445.2 | 3445.2 | 3445.2 | 3445.2 | 3445.2 | 3445.2 | 3445.2 | 3445.2 | 3445.2 |
| 2.5° | 2786.6 | 2760.7 | 2749.0 | 2788.9 | 2752.1 | 2799.1 | 2763.1 | 2778.7 | 2824.9 | 2845.3 | 2897.8 |
| 5° | 2085.6 | 2059.0 | 2046.5 | 2106.8 | 2103.6 | 2133.4 | 2130.3 | 2157.7 | 2181.2 | 2128.7 | 2182.7 |
| 7.5° | 1452.8 | 1434.8 | 1464.6 | 1511.5 | 1561.7 | 1545.2 | 1545.2 | 1508.4 | 1520.9 | 1513.1 | 1510.8 |
| 10° | 1105.1 | 1043.2 | 1027.5 | 1026.0 | 1044.8 | 1048.7 | 1027.5 | 976.6 | 995.4 | 1000.9 | 1033.8 |
| 12.5° | 869.3 | 821.6 | 748.7 | 715.8 | 707.2 | 714.3 | 644.6 | 599.9 | 621.1 | 608.5 | 640.6 |
| 15° | 623.4 | 584.3 | 541.2 | 504.4 | 494.2 | 480.1 | 404.1 | 350.9 | 344.6 | 347.0 | 352.4 |
| 17.5° | 444.8 | 418.2 | 418.2 | 379.1 | 357.9 | 315.6 | 277.2 | 253.8 | 251.4 | 253.8 | 257.7 |
| 20° | 328.2 | 314.1 | 312.5 | 302.3 | 278.8 | 250.6 | 224.0 | 219.3 | 217.7 | 221.6 | 223.2 |
| 22.5° | 282.7 | 267.8 | 255.3 | 254.5 | 232.6 | 209.1 | 196.6 | 190.3 | 191.1 | 192.7 | 196.6 |
| 25° | 253.0 | 237.3 | 224.0 | 216.2 | 200.5 | 184.0 | 172.3 | 169.2 | 169.2 | 171.5 | 172.3 |
| 27.5° | 231.8 | 212.2 | 200.5 | 189.5 | 175.4 | 161.3 | 151.2 | 148.8 | 147.2 | 148.8 | 152.7 |
| 30° | 216.9 | 197.4 | 182.5 | 166.0 | 155.1 | 141.8 | 133.1 | 130.0 | 129.2 | 130.0 | 133.1 |
| 32.5° | 185.6 | 173.9 | 162.1 | 147.2 | 133.9 | 125.3 | 115.9 | 110.4 | 110.4 | 112.0 | 115.1 |
| 35° | 140.2 | 133.9 | 133.1 | 129.2 | 118.3 | 108.9 | 97.9 | 92.4 | 92.4 | 95.5 | 97.1 |
| 37.5° | 123.7 | 112.0 | 110.4 | 108.9 | 104.2 | 91.6 | 81.5 | 76.8 | 76.0 | 78.3 | 81.5 |
| 40° | 112.8 | 99.5 | 92.4 | 90.8 | 91.6 | 77.5 | 66.6 | 61.9 | 61.9 | 62.7 | 65.8 |
| 42.5° | 104.2 | 88.5 | 76.0 | 74.4 | 77.5 | 65.0 | 54.0 | 49.3 | 49.3 | 49.3 | 53.3 |
| 45° | 97.1 | 79.1 | 64.2 | 56.4 | 61.1 | 53.3 | 43.9 | 39.2 | 37.6 | 39.2 | 40.7 |
| 47.5° | 92.4 | 72.1 | 56.4 | 45.4 | 45.4 | 42.3 | 35.2 | 29.8 | 28.2 | 29.0 | 31.3 |
| 50° | 88.5 | 65.8 | 47.8 | 36.8 | 32.9 | 33.7 | 26.6 | 22.7 | 21.1 | 21.1 | 23.5 |
| 52.5° | 82.2 | 59.5 | 41.5 | 31.3 | 25.1 | 22.7 | 19.6 | 16.4 | 15.7 | 16.4 | 18.0 |
| 55° | 74.4 | 54.0 | 36.0 | 25.8 | 19.6 | 15.7 | 14.1 | 11.7 | 11.0 | 11.7 | 14.1 |
| 57.5° | 65.8 | 45.4 | 29.0 | 20.4 | 13.3 | 10.2 | 9.4 | 7.8 | 6.3 | 7.0 | 8.6 |
| 59° | 60.3 | 40.7 | 25.1 | 16.4 | 10.2 | 7.0 | 7.0 | 5.5 | 3.9 | 4.7 | 7.0 |
| 60° | 58.0 | 37.6 | 21.1 | 14.1 | 8.6 | 5.5 | 5.5 | 3.9 | 2.3 | 3.1 | 5.5 |
| 62.5° | 49.3 | 31.3 | 16.4 | 8.6 | 3.9 | 0.8 | 2.3 | 0.8 | 0.0 | 0.8 | 2.3 |
| 65° | 41.5 | 25.1 | 11.0 | 3.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 |
| 67.5° | 34.5 | 18.8 | 5.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 27.4 | 12.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 18.8 | 7.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 11.7 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 4.7 | 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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| 62.5° | 9.4 | 16.4 | 21.1 | 29.8 | 39.2 | 58.0 | 1311.1 | 6798.0 | 7659.5 | 7701.8 |
| 65° | 6.3 | 11.7 | 15.7 | 21.9 | 30.5 | 50.1 | 1068.3 | 6206.0 | 7159.9 | 7254.6 |
| 67.5° | 3.9 | 8.6 | 12.5 | 16.4 | 25.1 | 42.3 | 761.3 | 5321.7 | 6460.5 | 6521.6 |
| 70° | 2.3 | 5.5 | 9.4 | 13.3 | 19.6 | 33.7 | 451.9 | 4206.5 | 5375.0 | 5387.5 |
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| 80° | 0.0 | 0.0 | 1.6 | 3.9 | 7.0 | 12.5 | 36.8 | 709.6 | 1179.5 | 1201.4 |
| 82.5° | 0.0 | 0.0 | 0.8 | 3.1 | 4.7 | 9.4 | 18.8 | 311.7 | 772.2 | 780.1 |
| 85° | 0.0 | 0.0 | 0.8 | 3.1 | 3.9 | 6.3 | 7.0 | 42.3 | 343.0 | 349.3 |
| 87.5° | 0.0 | 0.0 | 0.8 | 3.9 | 3.9 | 3.9 | 3.9 | 2.3 | 29.0 | 36.0 |
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