

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: STREETWORKS

Report Number: P952456

Luminaire Tested: **GLAN-SB6B-760-U-AFL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952456
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6B-760-U-AFL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 5700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36742 lumens
Efficiency: N/A
Efficacy: 166.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

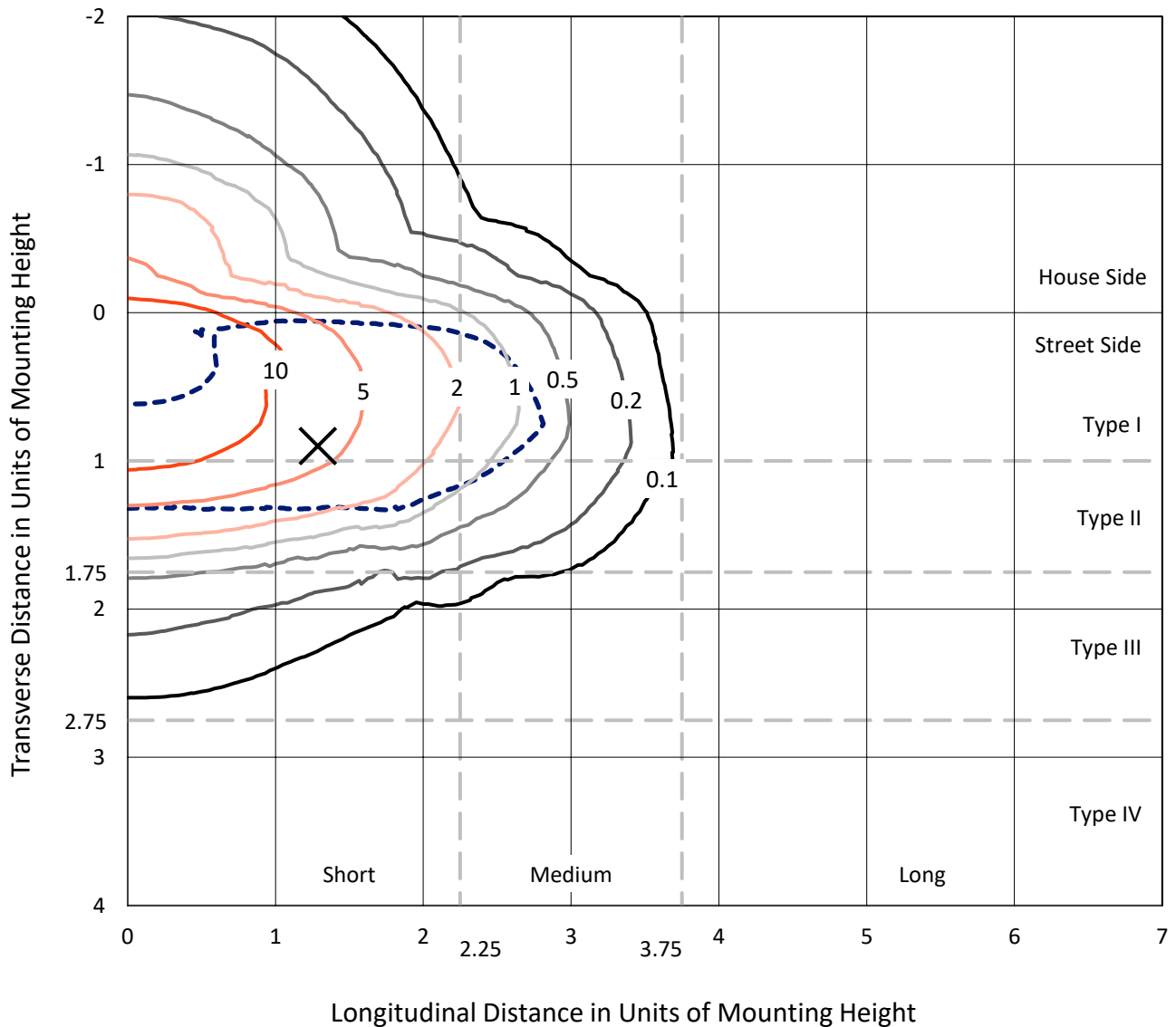
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

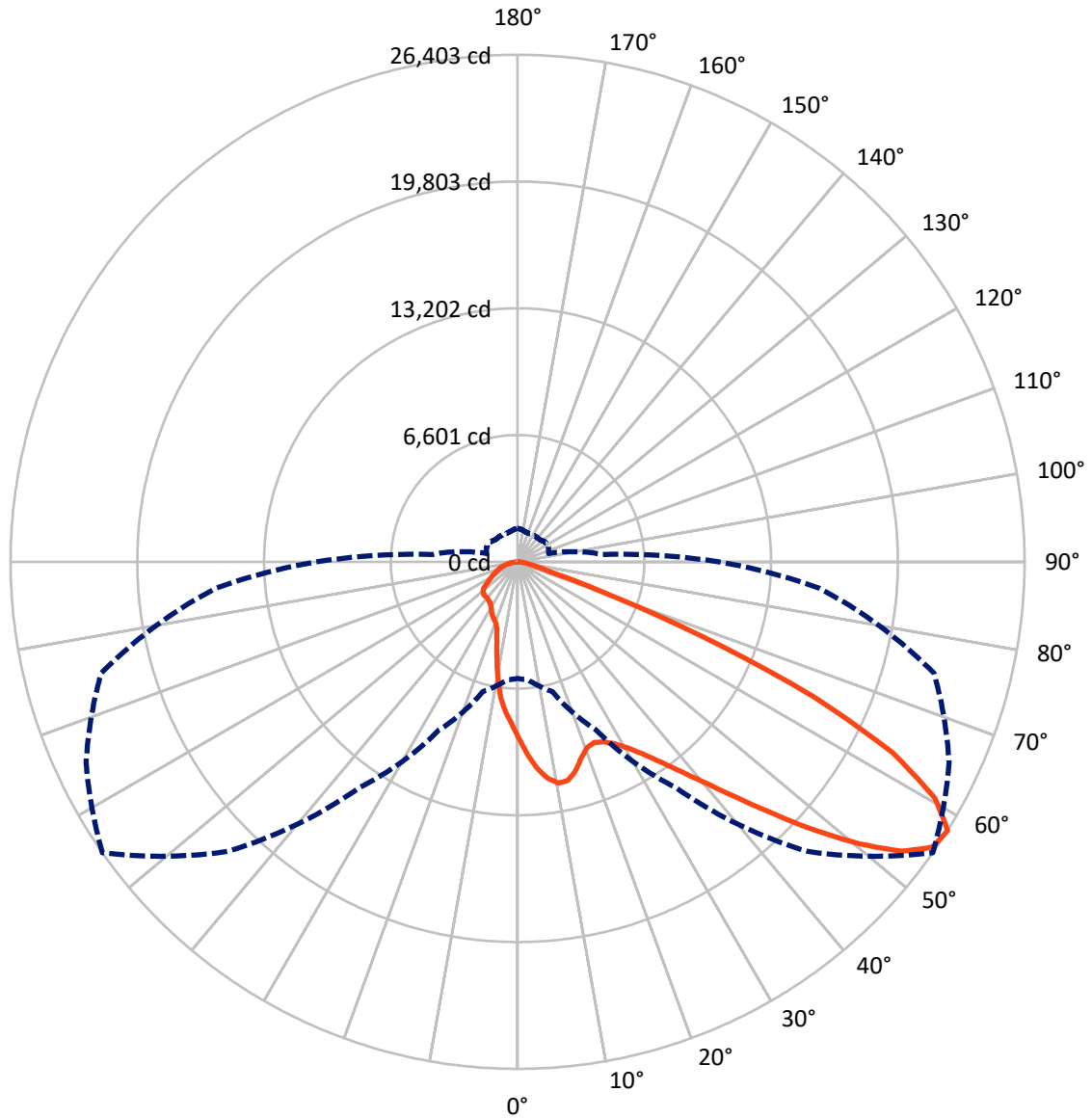
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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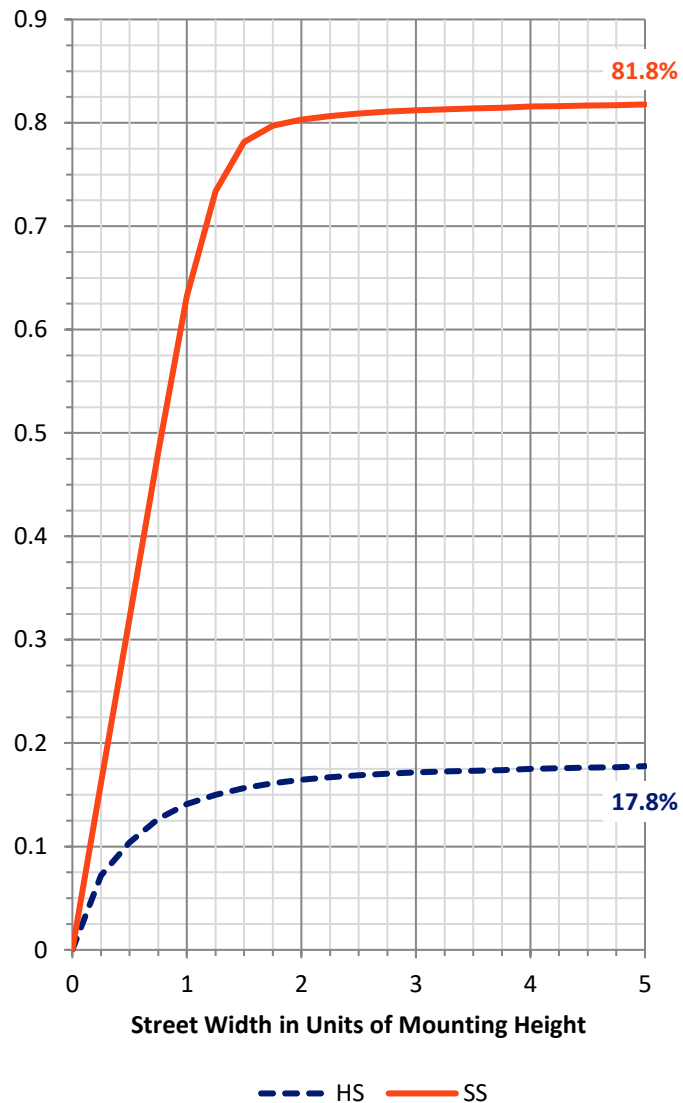
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 6648.3 | 0.0 | 6648.3 |
| | % Fixture | 18.1 | 0.0 | 18.1 |
| Street Side | Lumens | 30093.7 | 0.0 | 30093.7 |
| | % Fixture | 81.9 | 0.0 | 81.9 |
| Total | Lumens | 36742.0 | 0.0 | 36742.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 854.3 | 2.3 |
| 10°-20° | 2156.3 | 5.9 |
| 20°-30° | 3440.8 | 9.4 |
| 30°-40° | 5447.7 | 14.8 |
| 40°-50° | 8338.2 | 22.7 |
| 50°-60° | 8931.0 | 24.3 |
| 60°-70° | 5618.5 | 15.3 |
| 70°-80° | 1661.5 | 4.5 |
| 80°-90° | 293.8 | 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° | 36742.0 | 100.0 |
| 0°-180° | 36742.0 | 100.0 |

Coefficient of Utilization



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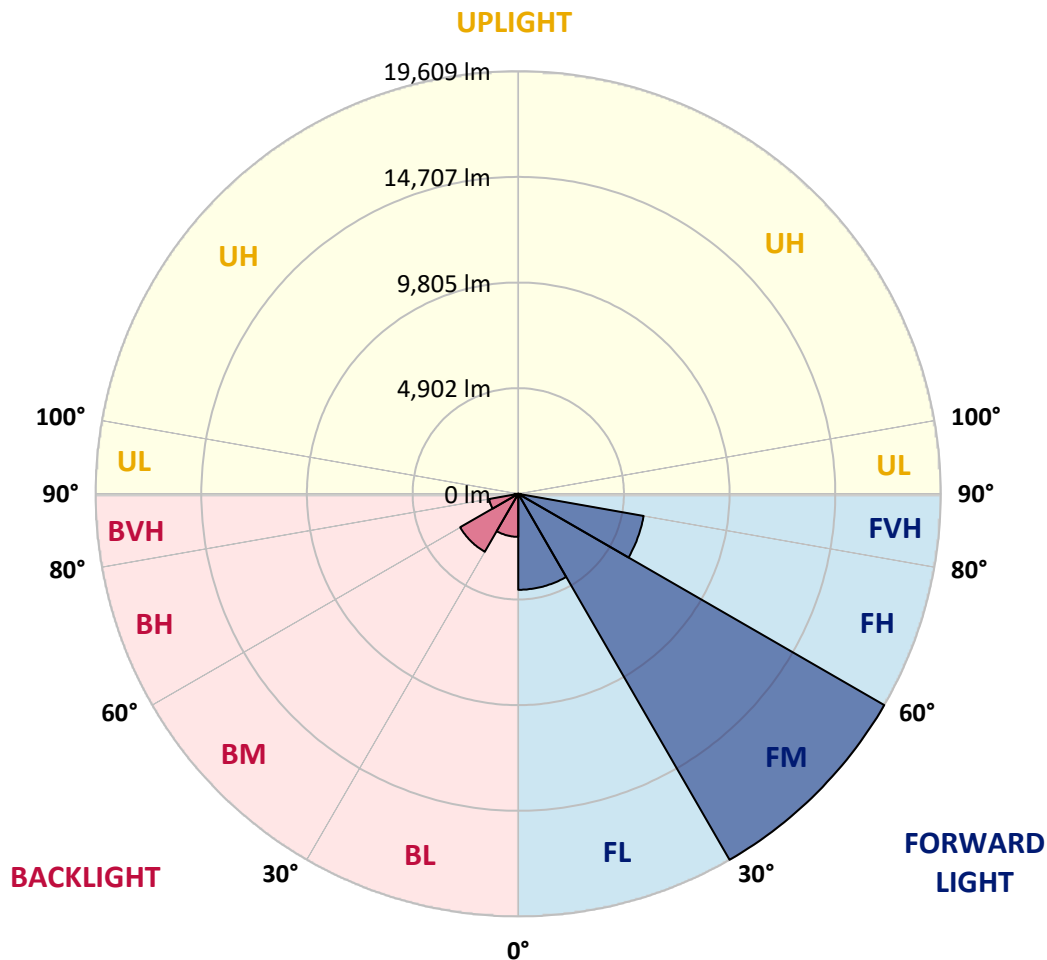
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 4453.1 | 12.1 | | | |
| FM (30°-60°) | 19609.5 | 53.4 | | | |
| FH (60°-80°) | 5907.0 | 16.1 | | | G3/7500 |
| FVH (80°-90°) | 124.1 | 0.3 | | | G2/225 |
| BL (0°-30°) | 1998.3 | 5.4 | B3/2500 | | |
| BM (30°-60°) | 3107.4 | 8.5 | B3/5000 | | |
| BH (60°-80°) | 1373.0 | 3.7 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 169.7 | 0.5 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 9206.4 | 9206.4 | 9206.4 | 9206.4 | 9206.4 | 9206.4 | 9206.4 | 9206.4 | 9206.4 | 9206.4 |
| 2.5° | 10562.5 | 10554.9 | 10596.7 | 10454.3 | 10357.4 | 10226.3 | 10053.5 | 9833.2 | 9595.7 | 9345.0 |
| 5° | 11514.1 | 11447.6 | 11491.3 | 11385.0 | 11278.6 | 11081.1 | 10824.6 | 10465.6 | 10026.9 | 9527.3 |
| 7.5° | 11364.1 | 11318.5 | 11430.5 | 11525.5 | 11605.3 | 11580.6 | 11392.6 | 11016.5 | 10450.5 | 9724.9 |
| 10° | 10154.1 | 10102.9 | 10260.5 | 10589.1 | 11071.6 | 11491.3 | 11719.2 | 11485.6 | 10883.5 | 9941.4 |
| 12.5° | 9086.7 | 9062.0 | 9166.5 | 9432.4 | 9968.0 | 10773.4 | 11677.5 | 11895.9 | 11333.7 | 10197.8 |
| 15° | 8630.8 | 8600.4 | 8666.9 | 8801.8 | 9143.7 | 9893.9 | 11297.6 | 12177.0 | 11776.2 | 10494.1 |
| 17.5° | 8530.2 | 8496.0 | 8524.5 | 8594.7 | 8815.1 | 9386.8 | 10724.0 | 12315.7 | 12237.8 | 10824.6 |
| 20° | 8716.3 | 8687.8 | 8691.6 | 8687.8 | 8841.7 | 9295.6 | 10325.1 | 12262.5 | 12640.5 | 11128.5 |
| 22.5° | 9166.5 | 9119.0 | 9120.9 | 9020.2 | 9103.8 | 9455.2 | 10220.6 | 12120.0 | 12999.4 | 11394.5 |
| 25° | 9899.6 | 9814.2 | 9831.3 | 9574.8 | 9552.0 | 9812.3 | 10384.0 | 12009.9 | 13356.5 | 11607.2 |
| 27.5° | 10902.5 | 10805.6 | 10754.4 | 10372.6 | 10190.2 | 10319.4 | 10716.4 | 12047.8 | 13694.6 | 11791.4 |
| 30° | 12156.1 | 12038.3 | 11933.9 | 11392.6 | 11062.1 | 11014.6 | 11233.0 | 12298.6 | 14093.5 | 11985.2 |
| 32.5° | 13692.7 | 13556.0 | 13366.0 | 12648.1 | 12182.7 | 11933.9 | 11901.6 | 12744.9 | 14560.7 | 12232.1 |
| 35° | 15521.8 | 15343.3 | 15073.6 | 14144.8 | 13556.0 | 13046.9 | 12782.9 | 13388.8 | 15200.8 | 12604.4 |
| 37.5° | 17406.0 | 17204.7 | 16957.8 | 15852.3 | 15128.7 | 14378.4 | 13858.0 | 14262.5 | 16053.7 | 13109.6 |
| 40° | 19144.0 | 18917.9 | 18688.1 | 17704.2 | 16927.4 | 16023.3 | 15174.2 | 15368.0 | 17096.4 | 13713.6 |
| 42.5° | 20169.6 | 20002.5 | 19915.1 | 19383.3 | 18783.1 | 17865.7 | 16811.5 | 16678.6 | 18268.4 | 14408.8 |
| 45° | 20124.1 | 20055.7 | 20325.4 | 20545.7 | 20403.3 | 19894.2 | 18729.9 | 18127.8 | 19444.1 | 15010.9 |
| 47.5° | 19049.0 | 19094.6 | 19696.7 | 20935.1 | 21480.2 | 21746.1 | 20914.2 | 19550.4 | 20465.9 | 15461.1 |
| 50° | 16123.9 | 16161.9 | 17556.1 | 20226.6 | 21757.5 | 23256.2 | 23081.4 | 20938.9 | 21258.0 | 15736.5 |
| 52.5° | 13808.6 | 13833.3 | 14431.6 | 18125.9 | 20842.0 | 24015.9 | 25034.0 | 22247.6 | 21837.3 | 15812.4 |
| 55° | 10401.1 | 10486.5 | 11157.0 | 14220.7 | 18460.2 | 23413.8 | 26223.0 | 23596.1 | 22203.9 | 15820.0 |
| 57.5° | 6076.2 | 6169.2 | 6997.4 | 9652.7 | 14348.0 | 21315.0 | 26403.4 | 24792.8 | 22452.7 | 15759.3 |
| 60° | 2976.3 | 3016.2 | 3377.1 | 5073.3 | 8847.4 | 17271.2 | 24952.3 | 25372.1 | 22591.4 | 15727.0 |
| 62.5° | 2005.8 | 2000.1 | 2015.3 | 2503.4 | 4359.1 | 11096.2 | 21928.5 | 24357.8 | 22517.3 | 15603.5 |
| 65° | 1724.6 | 1703.8 | 1646.8 | 1756.9 | 2258.4 | 5075.2 | 16942.6 | 21330.2 | 21953.2 | 15293.9 |
| 67.5° | 1491.0 | 1492.9 | 1494.8 | 1460.6 | 1612.6 | 2342.0 | 10353.6 | 16802.0 | 19928.4 | 13827.6 |
| 70° | 1234.6 | 1251.7 | 1259.3 | 1259.3 | 1314.4 | 1536.6 | 4419.9 | 11516.0 | 15719.4 | 10841.7 |
| 72.5° | 1124.4 | 1088.4 | 1092.2 | 1073.2 | 1073.2 | 1170.0 | 1779.7 | 6528.2 | 9903.4 | 6098.9 |
| 75° | 917.4 | 940.2 | 944.0 | 930.7 | 887.0 | 892.7 | 1056.1 | 2738.9 | 4237.5 | 2530.0 |
| 77.5° | 792.0 | 792.0 | 799.6 | 790.1 | 756.0 | 668.6 | 704.7 | 1061.8 | 1441.6 | 1037.1 |
| 80° | 636.3 | 634.4 | 666.7 | 685.7 | 632.5 | 493.8 | 450.2 | 586.9 | 640.1 | 455.9 |
| 82.5° | 309.6 | 328.6 | 457.8 | 522.3 | 480.5 | 357.1 | 275.4 | 364.7 | 341.9 | 201.3 |
| 85° | 180.4 | 170.9 | 205.1 | 290.6 | 275.4 | 197.5 | 133.0 | 189.9 | 178.5 | 102.6 |
| 87.5° | 57.0 | 53.2 | 41.8 | 98.8 | 79.8 | 55.1 | 36.1 | 55.1 | 49.4 | 22.8 |
| 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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 CATALOG NUMBER: GLAN-SB6B-760-U-AFL

CANDELA DISTRIBUTION (continued):

| 90° | | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 9206.4 | 0° | 9206.4 | 9206.4 | 9206.4 | 9206.4 | 9206.4 | 9206.4 | 9206.4 | 9206.4 | 9206.4 | 9206.4 |
| 9236.7 | 2.5° | 9101.9 | 8877.8 | 8655.5 | 8452.3 | 8328.8 | 8249.1 | 8169.3 | 8080.0 | 8045.8 | 7994.5 |
| 9261.4 | 5° | 9010.7 | 8577.7 | 8192.1 | 7859.7 | 7557.7 | 7320.3 | 7080.9 | 6887.2 | 6799.8 | 6858.7 |
| 9339.3 | 7.5° | 8957.5 | 8330.7 | 7736.2 | 7126.5 | 6539.6 | 6070.5 | 5662.1 | 5375.3 | 5246.1 | 5278.4 |
| 9415.3 | 10° | 8910.0 | 8051.5 | 7145.5 | 6182.5 | 5339.2 | 4758.0 | 4340.1 | 4121.7 | 4040.0 | 4057.1 |
| 9517.9 | 12.5° | 8866.4 | 7738.1 | 6433.2 | 5166.3 | 4269.8 | 3886.2 | 3766.5 | 3768.4 | 3783.6 | 3795.0 |
| 9681.2 | 15° | 8858.8 | 7360.1 | 5637.4 | 4277.4 | 3692.4 | 3667.7 | 3796.9 | 3878.6 | 3922.2 | 3935.5 |
| 9818.0 | 17.5° | 8847.4 | 6908.1 | 4826.4 | 3671.5 | 3551.9 | 3719.0 | 3838.7 | 3891.9 | 3926.0 | 3927.9 |
| 9950.9 | 20° | 8801.8 | 6334.5 | 4078.0 | 3382.8 | 3521.5 | 3665.8 | 3739.9 | 3781.7 | 3810.2 | 3819.7 |
| 10051.6 | 22.5° | 8661.2 | 5696.3 | 3494.9 | 3253.7 | 3399.9 | 3515.8 | 3603.1 | 3650.6 | 3667.7 | 3679.1 |
| 10070.6 | 25° | 8408.6 | 4982.1 | 3092.2 | 3130.2 | 3230.9 | 3377.1 | 3447.4 | 3456.9 | 3451.2 | 3468.3 |
| 10023.1 | 27.5° | 8078.1 | 4216.7 | 2841.5 | 2963.1 | 3092.2 | 3217.6 | 3255.6 | 3249.9 | 3238.5 | 3257.5 |
| 9941.4 | 30° | 7679.2 | 3529.1 | 2681.9 | 2775.0 | 2951.7 | 3065.6 | 3099.8 | 3086.5 | 3063.7 | 3084.6 |
| 9899.6 | 32.5° | 7257.6 | 2966.9 | 2550.9 | 2644.0 | 2835.8 | 2947.9 | 2982.0 | 2968.7 | 2951.7 | 2968.7 |
| 9947.1 | 35° | 6864.4 | 2573.7 | 2429.3 | 2556.6 | 2744.6 | 2854.8 | 2898.5 | 2900.4 | 2900.4 | 2921.3 |
| 10072.5 | 37.5° | 6503.5 | 2343.8 | 2328.7 | 2501.5 | 2681.9 | 2780.7 | 2843.4 | 2847.2 | 2765.5 | 2771.2 |
| 10285.2 | 40° | 6169.2 | 2247.0 | 2283.1 | 2465.4 | 2621.2 | 2716.1 | 2719.9 | 2507.2 | 2357.1 | 2353.3 |
| 10528.3 | 42.5° | 5895.7 | 2228.0 | 2296.4 | 2461.6 | 2577.5 | 2581.3 | 2313.5 | 2148.2 | 2106.4 | 2108.3 |
| 10752.5 | 45° | 5639.3 | 2222.3 | 2326.8 | 2461.6 | 2512.9 | 2229.9 | 2049.4 | 2005.8 | 2009.6 | 2024.8 |
| 10853.1 | 47.5° | 5352.5 | 2199.5 | 2332.5 | 2427.4 | 2326.8 | 1983.0 | 1929.8 | 1910.8 | 1903.2 | 1907.0 |
| 10830.3 | 50° | 5039.1 | 2117.8 | 2260.3 | 2359.0 | 2007.7 | 1876.6 | 1810.1 | 1804.4 | 1813.9 | 1819.6 |
| 10703.1 | 52.5° | 4708.6 | 1984.9 | 2136.8 | 2235.6 | 1861.4 | 1783.5 | 1709.5 | 1722.7 | 1764.5 | 1777.8 |
| 10570.1 | 55° | 4492.1 | 1829.1 | 1973.5 | 1988.7 | 1758.8 | 1696.2 | 1633.5 | 1663.9 | 1741.7 | 1766.4 |
| 10490.3 | 57.5° | 4435.1 | 1663.9 | 1787.3 | 1770.2 | 1627.8 | 1620.2 | 1582.2 | 1608.8 | 1707.6 | 1743.6 |
| 10486.5 | 60° | 4418.0 | 1515.7 | 1605.0 | 1591.7 | 1500.5 | 1536.6 | 1527.1 | 1540.4 | 1574.6 | 1586.0 |
| 10448.6 | 62.5° | 4285.0 | 1398.0 | 1441.6 | 1422.6 | 1386.6 | 1449.2 | 1472.0 | 1443.5 | 1470.1 | 1483.4 |
| 10188.3 | 65° | 3946.9 | 1303.0 | 1282.1 | 1268.8 | 1284.0 | 1341.0 | 1386.6 | 1329.6 | 1354.3 | 1392.3 |
| 9185.5 | 67.5° | 3388.5 | 1173.8 | 1116.8 | 1132.0 | 1179.5 | 1209.9 | 1268.8 | 1204.2 | 1225.1 | 1289.7 |
| 7398.1 | 70° | 2740.8 | 1010.5 | 959.2 | 1002.9 | 1048.5 | 1111.1 | 1120.6 | 1077.0 | 1126.3 | 1198.5 |
| 4514.9 | 72.5° | 1939.3 | 845.2 | 809.1 | 898.4 | 913.6 | 995.3 | 974.4 | 953.5 | 1021.9 | 1046.6 |
| 2231.8 | 75° | 1344.8 | 681.9 | 661.0 | 729.4 | 784.4 | 854.7 | 839.5 | 864.2 | 1008.6 | 1020.0 |
| 1114.9 | 77.5° | 850.9 | 529.9 | 516.6 | 560.3 | 636.3 | 714.2 | 738.9 | 1020.0 | 1722.7 | 1791.1 |
| 579.3 | 80° | 493.8 | 395.1 | 379.9 | 414.1 | 480.5 | 552.7 | 712.3 | 1251.7 | 1135.8 | 1122.5 |
| 260.2 | 82.5° | 275.4 | 271.6 | 252.6 | 262.1 | 321.0 | 398.9 | 1006.7 | 881.3 | 716.1 | 738.9 |
| 104.5 | 85° | 129.2 | 159.5 | 136.8 | 131.1 | 180.4 | 467.3 | 672.4 | 503.3 | 334.3 | 326.7 |
| 22.8 | 87.5° | 34.2 | 30.4 | 30.4 | 34.2 | 76.0 | 402.7 | 267.8 | 214.6 | 127.3 | 123.5 |
| 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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