

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: P532874

Luminaire Tested: **GLAN-SA8B-730-U-T3R-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532874  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA8B-730-U-T3R-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 36529 lumens  
Efficiency: N/A  
Efficacy: 112.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G3

Input Watts (W): 325  
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

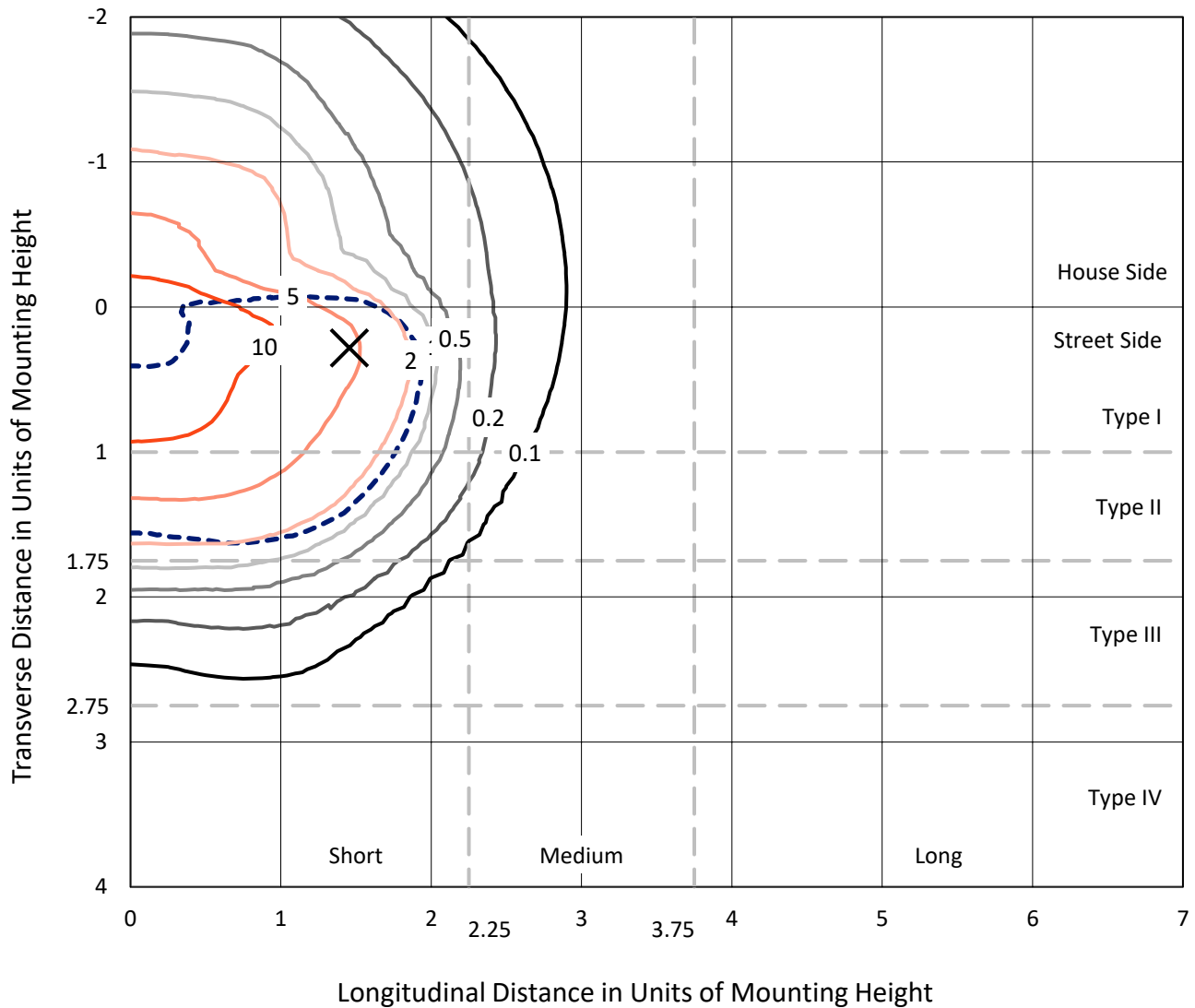


REPORT NUMBER: P532874

CATALOG NUMBER: GLAN-SA8B-730-U-T3R-GRSWH

## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd

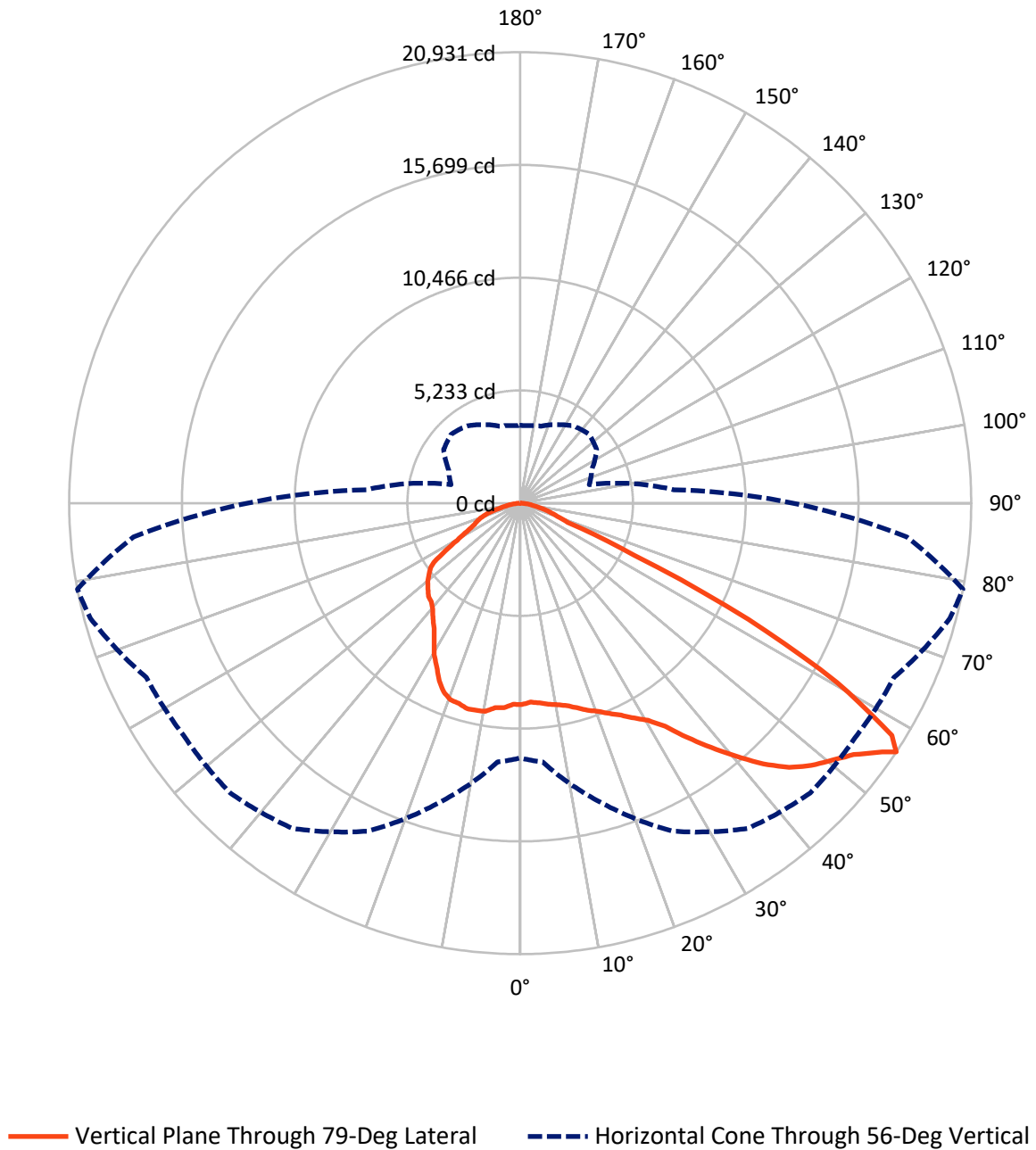


Based on 25 foot mounting height. Maximum calculated value = 15 fc  
Type II - Short - N/A

REPORT NUMBER: P532874

CATALOG NUMBER: GLAN-SA8B-730-U-T3R-GRSWH

## Luminous Intensity Polar Plot



REPORT NUMBER: P532874

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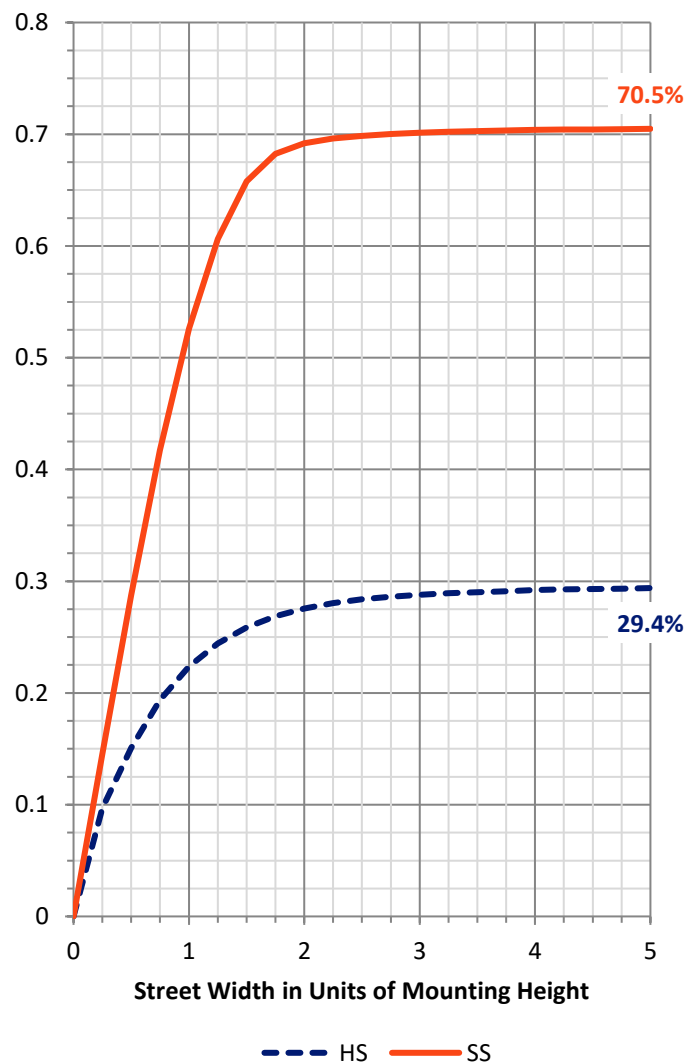
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 10787.8  | 0.0    | 10787.8 |
|                    | % Fixture | 29.5     | 0.0    | 29.5    |
| <b>Street Side</b> | Lumens    | 25741.2  | 0.0    | 25741.2 |
|                    | % Fixture | 70.5     | 0.0    | 70.5    |
| <b>Total</b>       | Lumens    | 36529.0  | 0.0    | 36529.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 849.8   | 2.3       |
| 10°-20°   | 2325.6  | 6.4       |
| 20°-30°   | 3978.6  | 10.9      |
| 30°-40°   | 6097.7  | 16.7      |
| 40°-50°   | 8240.9  | 22.6      |
| 50°-60°   | 9465.0  | 25.9      |
| 60°-70°   | 4314.4  | 11.8      |
| 70°-80°   | 1063.7  | 2.9       |
| 80°-90°   | 193.3   | 0.5       |
| 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°    | 36529.0 | 100.0     |
| 0°-180°   | 36529.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P532874

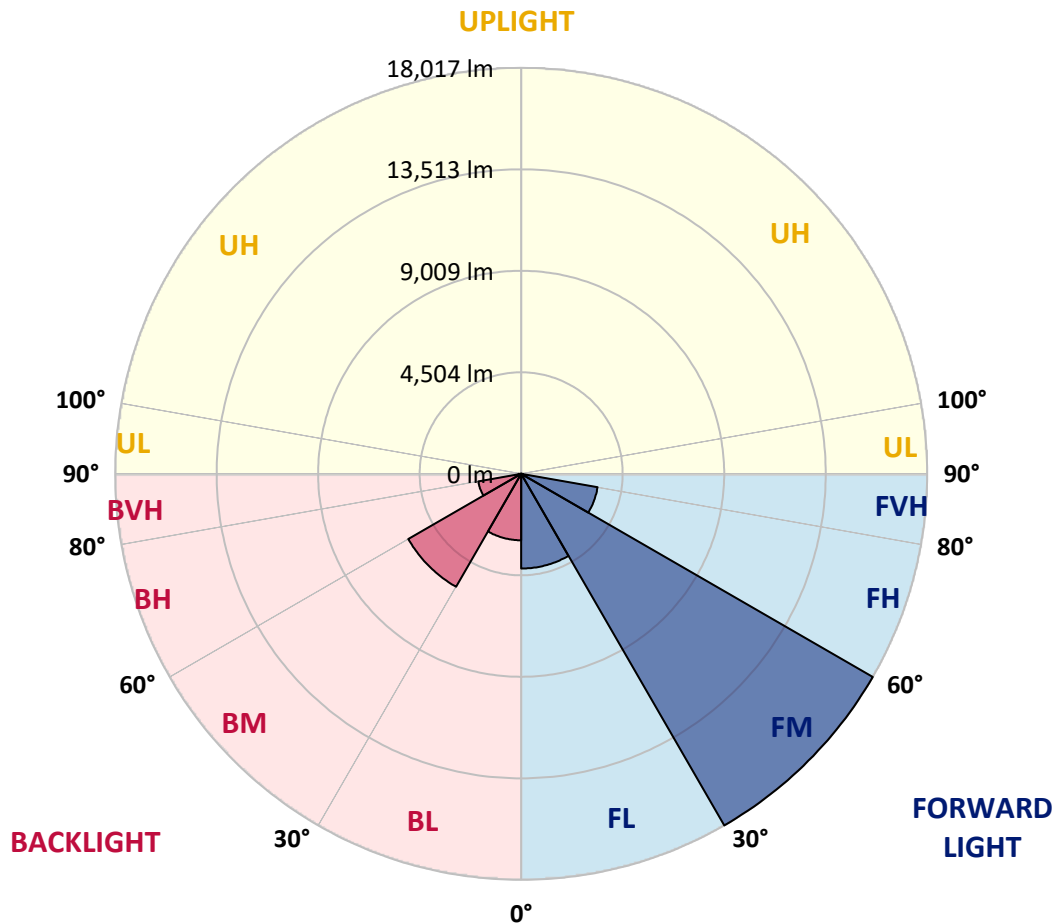
CATALOG NUMBER: GLAN-SA8B-730-U-T3R-GRSWH

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 4203.0  | 11.5      |                         |      |         |
| FM   | (30°-60°)   | 18017.2 | 49.3      |                         |      |         |
| FH   | (60°-80°)   | 3443.8  | 9.4       |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 77.2    | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 2950.9  | 8.1       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 5786.4  | 15.8      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 1934.3  | 5.3       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 116.1   | 0.3       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G3**

Type II Short



REPORT NUMBER: P532874

CATALOG NUMBER: GLAN-SA8B-730-U-T3R-GRSWH

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 79°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 9346.3  | 9346.3  | 9346.3  | 9346.3  | 9346.3  | 9346.3  | 9346.3  | 9346.3  | 9346.3  | 9346.3  | 9346.3  |
| 2.5°  | 8891.3  | 8868.5  | 8923.1  | 8964.1  | 9014.2  | 9077.9  | 9109.7  | 9127.9  | 9287.2  | 9246.2  | 9369.1  |
| 5°    | 8700.2  | 8641.0  | 8682.0  | 8713.8  | 8800.3  | 8877.6  | 8964.1  | 9100.6  | 9246.2  | 9309.9  | 9460.1  |
| 7.5°  | 8531.8  | 8500.0  | 8490.9  | 8513.6  | 8631.9  | 8732.0  | 8882.2  | 9082.4  | 9319.0  | 9423.7  | 9510.1  |
| 10°   | 8254.3  | 8208.7  | 8277.0  | 8427.2  | 8459.0  | 8668.3  | 8841.2  | 9127.9  | 9332.7  | 9514.7  | 9769.5  |
| 12.5° | 8131.4  | 8085.9  | 8099.5  | 8186.0  | 8409.0  | 8609.2  | 8813.9  | 9137.0  | 9569.3  | 9642.1  | 9983.4  |
| 15°   | 8327.1  | 8281.6  | 8295.2  | 8272.5  | 8486.3  | 8591.0  | 8914.0  | 9319.0  | 9733.1  | 9856.0  | 10220.0 |
| 17.5° | 8773.0  | 8777.5  | 8718.4  | 8668.3  | 8618.3  | 8841.2  | 9064.2  | 9428.2  | 9796.8  | 10106.2 | 10379.2 |
| 20°   | 9623.9  | 9473.7  | 9355.4  | 9073.3  | 8996.0  | 9091.5  | 9373.6  | 9724.0  | 10056.2 | 10311.0 | 10620.4 |
| 22.5° | 10279.1 | 10292.8 | 10124.4 | 9660.3  | 9491.9  | 9532.9  | 9774.1  | 10060.7 | 10424.7 | 10606.8 | 10961.7 |
| 25°   | 11230.2 | 11134.6 | 10952.6 | 10584.0 | 10206.3 | 10238.2 | 10415.6 | 10675.0 | 10775.1 | 10902.5 | 11289.3 |
| 27.5° | 12099.3 | 12126.6 | 11767.1 | 11421.3 | 10952.6 | 10861.6 | 11180.1 | 11225.6 | 11057.2 | 11298.4 | 11430.4 |
| 30°   | 12982.0 | 12959.3 | 12722.7 | 12317.7 | 11858.1 | 11876.3 | 12017.4 | 11794.4 | 11562.3 | 11694.3 | 11785.3 |
| 32.5° | 13896.6 | 13637.3 | 13628.2 | 13264.1 | 12913.8 | 12745.4 | 12572.5 | 12681.7 | 12322.2 | 12349.5 | 12263.1 |
| 35°   | 14629.2 | 14665.6 | 14456.3 | 14196.9 | 14024.0 | 13728.3 | 13255.0 | 13450.7 | 13382.4 | 13350.6 | 12977.5 |
| 37.5° | 15161.6 | 15020.6 | 15125.2 | 15038.8 | 14874.9 | 14506.4 | 14014.9 | 14201.5 | 14233.4 | 14388.1 | 13955.8 |
| 40°   | 15598.4 | 15539.3 | 15816.9 | 15862.4 | 15748.6 | 14952.3 | 14069.5 | 14624.7 | 15102.5 | 15439.2 | 14925.0 |
| 42.5° | 15807.8 | 15935.2 | 16226.4 | 16576.8 | 16321.9 | 15471.0 | 14351.7 | 14947.7 | 16012.5 | 16544.9 | 15844.2 |
| 45°   | 16089.9 | 15926.1 | 16358.3 | 16999.9 | 17004.5 | 15907.9 | 14624.7 | 15384.6 | 16722.4 | 17495.9 | 16472.1 |
| 47.5° | 15803.2 | 15885.1 | 16331.0 | 17145.5 | 17354.9 | 16367.4 | 15361.8 | 16003.4 | 17505.0 | 18192.1 | 17054.5 |
| 50°   | 15161.6 | 15325.4 | 16139.9 | 16986.3 | 17618.8 | 16854.3 | 16208.2 | 16672.3 | 18228.5 | 18751.8 | 17150.1 |
| 52.5° | 14492.7 | 14583.7 | 15857.8 | 17109.1 | 17737.1 | 17482.3 | 17341.2 | 17596.0 | 19111.3 | 19384.3 | 17268.4 |
| 55°   | 12672.6 | 13104.9 | 14925.0 | 17054.5 | 18315.0 | 18615.3 | 18506.1 | 18879.2 | 20112.3 | 20385.4 | 17914.5 |
| 56°   | 11830.8 | 12058.3 | 14365.3 | 16799.7 | 18428.7 | 19029.4 | 18974.8 | 19143.1 | 20644.7 | 20931.4 | 18014.7 |
| 57.5° | 10274.6 | 10292.8 | 12249.4 | 15671.2 | 18001.0 | 19152.2 | 19097.6 | 19229.6 | 20540.1 | 20344.4 | 17136.4 |
| 60°   | 6429.6  | 6711.7  | 8336.2  | 12053.8 | 15307.2 | 17768.9 | 18078.4 | 17018.1 | 17318.5 | 16904.4 | 13332.4 |
| 62.5° | 3330.8  | 3289.9  | 4368.3  | 7048.4  | 10160.8 | 12722.7 | 13009.3 | 12959.3 | 12495.1 | 11889.9 | 8709.3  |
| 65°   | 1660.9  | 1670.0  | 2284.3  | 3490.1  | 5205.5  | 6661.6  | 7462.5  | 7549.0  | 6315.8  | 5810.7  | 4131.7  |
| 67.5° | 1205.8  | 1251.3  | 1642.7  | 2134.1  | 2452.6  | 2743.8  | 3362.7  | 3299.0  | 2498.1  | 2375.3  | 2202.3  |
| 70°   | 937.4   | 978.3   | 1333.2  | 1629.0  | 1478.8  | 1478.8  | 1610.8  | 1665.4  | 1779.2  | 1829.2  | 1888.4  |
| 72.5° | 682.5   | 714.4   | 1019.3  | 1123.9  | 969.2   | 1042.0  | 1205.8  | 1333.2  | 1451.5  | 1469.7  | 1538.0  |
| 75°   | 468.7   | 496.0   | 668.9   | 618.8   | 582.4   | 718.9   | 882.8   | 1001.1  | 1087.5  | 1133.0  | 1174.0  |
| 77.5° | 304.9   | 314.0   | 382.2   | 323.1   | 373.1   | 464.1   | 573.3   | 673.4   | 759.9   | 796.3   | 805.4   |
| 80°   | 136.5   | 150.2   | 163.8   | 204.8   | 259.4   | 332.2   | 409.5   | 491.4   | 546.0   | 559.7   | 587.0   |
| 82.5° | 77.4    | 77.4    | 100.1   | 145.6   | 191.1   | 241.2   | 295.8   | 354.9   | 418.6   | 432.3   | 427.7   |
| 85°   | 41.0    | 41.0    | 59.2    | 86.5    | 118.3   | 141.1   | 136.5   | 141.1   | 150.2   | 172.9   | 168.4   |
| 87.5° | 13.7    | 13.7    | 18.2    | 18.2    | 22.8    | 27.3    | 22.8    | 31.9    | 41.0    | 41.0    | 41.0    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P532874

CATALOG NUMBER: GLAN-SA8B-730-U-T3R-GRSWH

**CANDELA DISTRIBUTION (continued):**

|       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 9346.3  | 9346.3  | 9346.3 | 9346.3 | 9346.3 | 9346.3 | 9346.3 | 9346.3 | 9346.3 | 9346.3 | 9346.3 |
| 2.5°  | 9332.7  | 9373.6  | 9319.0 | 9437.3 | 9437.3 | 9414.6 | 9300.8 | 9337.2 | 9364.5 | 9364.5 | 9387.3 |
| 5°    | 9510.1  | 9496.5  | 9532.9 | 9391.8 | 9305.4 | 9273.5 | 9087.0 | 8996.0 | 8918.6 | 8914.0 | 8845.8 |
| 7.5°  | 9610.2  | 9573.8  | 9560.2 | 9455.5 | 9073.3 | 8841.2 | 8440.8 | 8208.7 | 8158.7 | 7981.2 | 8049.5 |
| 10°   | 9769.5  | 9837.8  | 9769.5 | 9200.7 | 8668.3 | 8135.9 | 7744.6 | 7385.1 | 7244.1 | 7130.3 | 7062.1 |
| 12.5° | 10097.1 | 10065.3 | 9669.4 | 8900.4 | 8154.1 | 7521.7 | 6939.2 | 6561.5 | 6420.5 | 6320.4 | 6311.3 |
| 15°   | 10374.7 | 10215.4 | 9610.2 | 8427.2 | 7353.3 | 6679.8 | 6202.1 | 5933.6 | 5869.9 | 5879.0 | 5919.9 |
| 17.5° | 10470.2 | 10361.0 | 9300.8 | 7935.7 | 6757.2 | 5965.4 | 5742.5 | 5701.5 | 5760.7 | 5828.9 | 5847.1 |
| 20°   | 10620.4 | 10447.5 | 9173.4 | 7266.8 | 6020.1 | 5519.5 | 5505.9 | 5651.5 | 5760.7 | 5860.8 | 5874.4 |
| 22.5° | 10934.4 | 10497.6 | 8759.3 | 6634.3 | 5515.0 | 5387.6 | 5519.5 | 5642.4 | 5810.7 | 5892.6 | 5819.8 |
| 25°   | 11025.4 | 10388.3 | 8176.9 | 5874.4 | 5196.4 | 5305.7 | 5446.7 | 5615.1 | 5733.4 | 5778.9 | 5810.7 |
| 27.5° | 11102.7 | 10220.0 | 7389.7 | 5369.4 | 5096.3 | 5301.1 | 5446.7 | 5587.8 | 5651.5 | 5692.4 | 5728.8 |
| 30°   | 11321.2 | 10169.9 | 6707.1 | 5032.6 | 5032.6 | 5210.1 | 5396.7 | 5433.1 | 5519.5 | 5569.6 | 5633.3 |
| 32.5° | 11430.4 | 9824.1  | 6006.4 | 4818.8 | 4968.9 | 5255.6 | 5269.3 | 5337.5 | 5342.1 | 5383.0 | 5314.8 |
| 35°   | 11717.0 | 9578.4  | 5355.7 | 4664.1 | 4996.2 | 5210.1 | 5278.4 | 5237.4 | 5014.4 | 4905.2 | 4928.0 |
| 37.5° | 11926.3 | 9455.5  | 4887.0 | 4645.9 | 5000.8 | 5260.2 | 5296.6 | 4987.1 | 4755.1 | 4573.1 | 4618.6 |
| 40°   | 12490.6 | 9150.7  | 4532.1 | 4614.0 | 5041.7 | 5314.8 | 5214.6 | 4877.9 | 4459.3 | 4272.7 | 4240.9 |
| 42.5° | 12922.9 | 8932.2  | 4309.1 | 4577.6 | 5073.6 | 5392.1 | 5173.7 | 4659.5 | 4231.8 | 4058.9 | 4104.4 |
| 45°   | 13423.4 | 8882.2  | 4190.8 | 4586.7 | 5128.2 | 5433.1 | 5123.6 | 4491.2 | 4036.1 | 3967.9 | 3954.2 |
| 47.5° | 13600.9 | 8522.7  | 4063.4 | 4509.4 | 5114.5 | 5419.4 | 4955.3 | 4363.7 | 3963.3 | 3972.4 | 4008.8 |
| 50°   | 13305.1 | 8154.1  | 3967.9 | 4350.1 | 5023.5 | 5296.6 | 4691.4 | 4195.4 | 3922.4 | 4036.1 | 4099.8 |
| 52.5° | 12927.4 | 7776.5  | 3772.2 | 4136.2 | 4837.0 | 5105.4 | 4568.5 | 4186.3 | 3881.4 | 3845.0 | 3858.7 |
| 55°   | 13041.2 | 7467.0  | 3499.2 | 3845.0 | 4536.7 | 4750.5 | 4432.0 | 4099.8 | 3781.3 | 3644.8 | 3690.3 |
| 56°   | 12672.6 | 7148.5  | 3321.7 | 3663.0 | 4331.9 | 4523.0 | 4363.7 | 4022.5 | 3699.4 | 3608.4 | 3608.4 |
| 57.5° | 11630.6 | 6079.2  | 3089.7 | 3371.8 | 3899.6 | 4127.1 | 4231.8 | 3977.0 | 3608.4 | 3449.1 | 3453.7 |
| 60°   | 8577.3  | 4322.8  | 2771.1 | 2971.3 | 3230.7 | 3412.7 | 3899.6 | 3849.6 | 3380.9 | 3271.7 | 3230.7 |
| 62.5° | 5287.5  | 3157.9  | 2543.6 | 2621.0 | 2752.9 | 2903.1 | 3403.6 | 3485.5 | 3139.7 | 3021.4 | 2994.1 |
| 65°   | 2962.2  | 2416.2  | 2370.7 | 2402.6 | 2466.3 | 2543.6 | 2825.7 | 3007.8 | 2771.1 | 2589.1 | 2580.0 |
| 67.5° | 2165.9  | 2161.4  | 2197.8 | 2225.1 | 2252.4 | 2252.4 | 2320.7 | 2393.5 | 2361.6 | 2216.0 | 2202.3 |
| 70°   | 1924.8  | 1938.4  | 1965.7 | 1970.3 | 1979.4 | 1947.5 | 1892.9 | 1870.2 | 1906.6 | 1815.6 | 1797.4 |
| 72.5° | 1588.1  | 1633.6  | 1665.4 | 1670.0 | 1619.9 | 1579.0 | 1506.2 | 1428.8 | 1401.5 | 1383.3 | 1378.7 |
| 75°   | 1219.5  | 1251.3  | 1265.0 | 1260.4 | 1242.2 | 1183.1 | 1096.6 | 1019.3 | 969.2  | 914.6  | 941.9  |
| 77.5° | 823.6   | 869.1   | 891.9  | 891.9  | 864.6  | 773.6  | 732.6  | 673.4  | 623.4  | 564.2  | 573.3  |
| 80°   | 577.9   | 609.7   | 646.1  | 641.6  | 596.1  | 550.6  | 491.4  | 436.8  | 395.9  | 350.4  | 345.8  |
| 82.5° | 432.3   | 450.5   | 468.7  | 459.6  | 427.7  | 382.2  | 341.3  | 291.2  | 245.7  | 213.9  | 213.9  |
| 85°   | 154.7   | 168.4   | 204.8  | 213.9  | 232.1  | 232.1  | 195.7  | 163.8  | 132.0  | 109.2  | 109.2  |
| 87.5° | 45.5    | 45.5    | 50.1   | 50.1   | 45.5   | 50.1   | 41.0   | 45.5   | 50.1   | 31.9   | 31.9   |
| 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)