

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: P952771

Luminaire Tested: **GLAN-SB6C-740-U-AFL**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P952771  
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-SB6C-740-U-AFL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 48865 lumens  
Efficiency: N/A  
Efficacy: 162.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G4

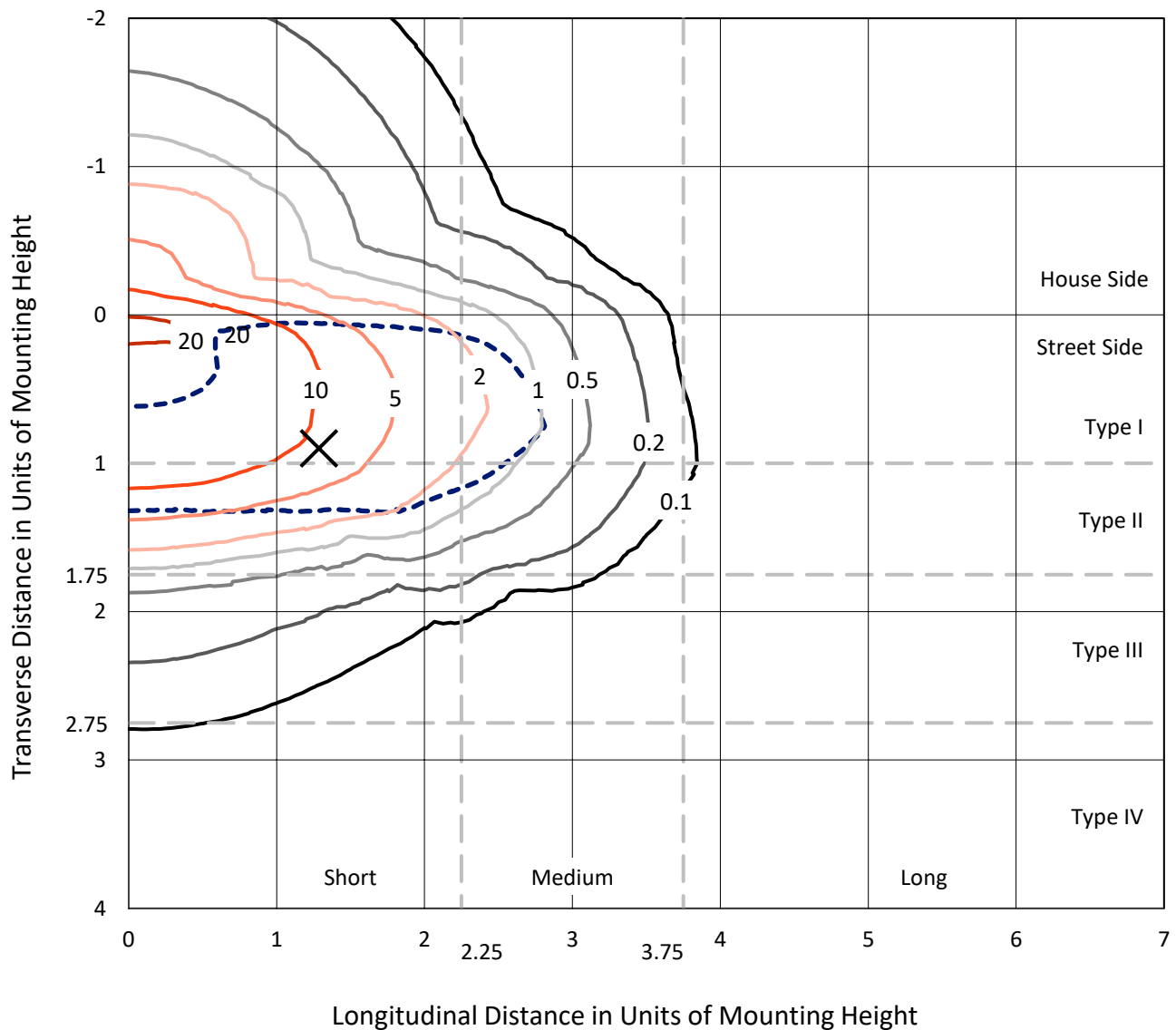
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

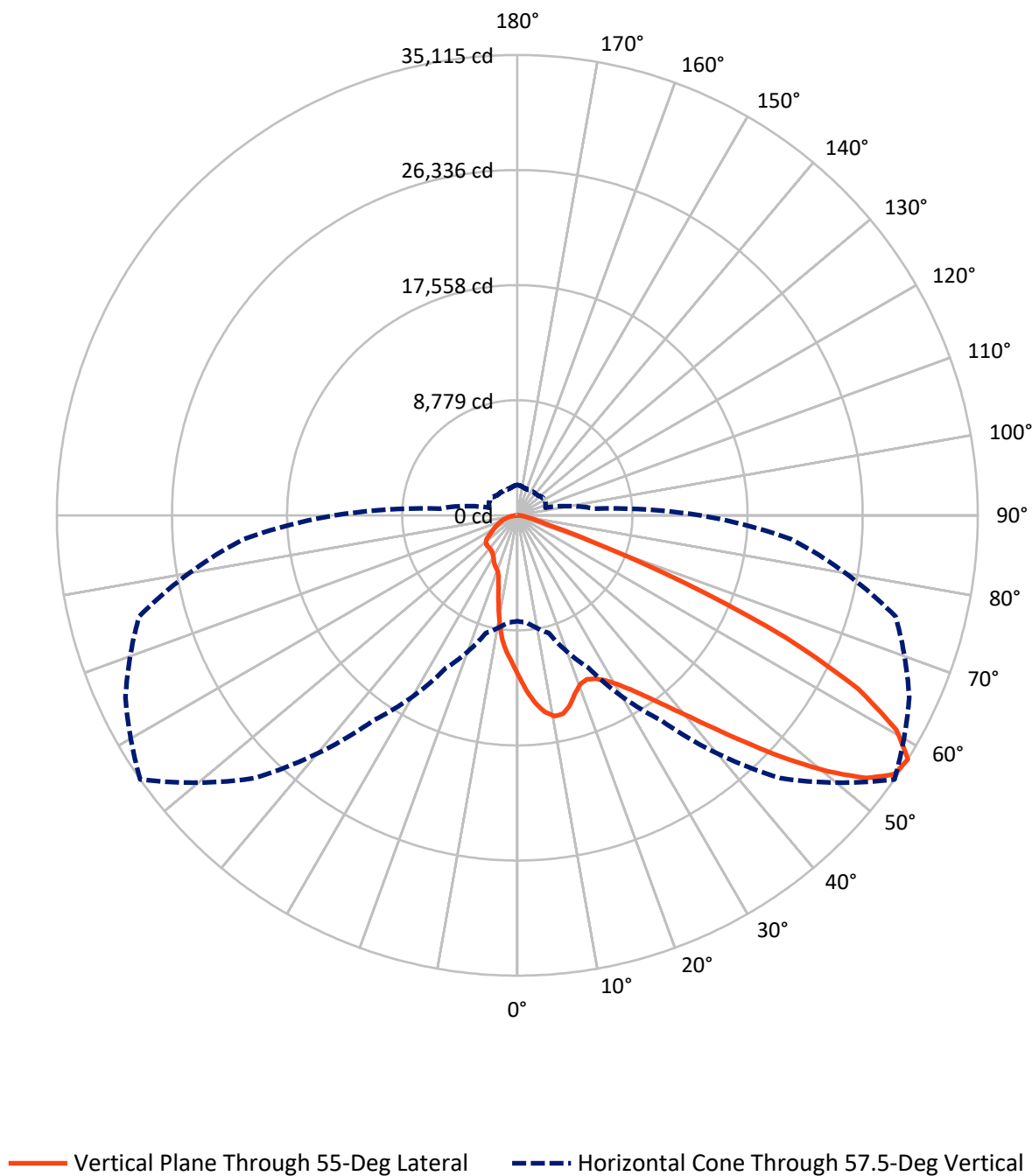


Based on 25 foot mounting height. Maximum calculated value = 23.7 fc  
 Type II - Short - N/A

REPORT NUMBER: P952771

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## Luminous Intensity Polar Plot



REPORT NUMBER: P952771

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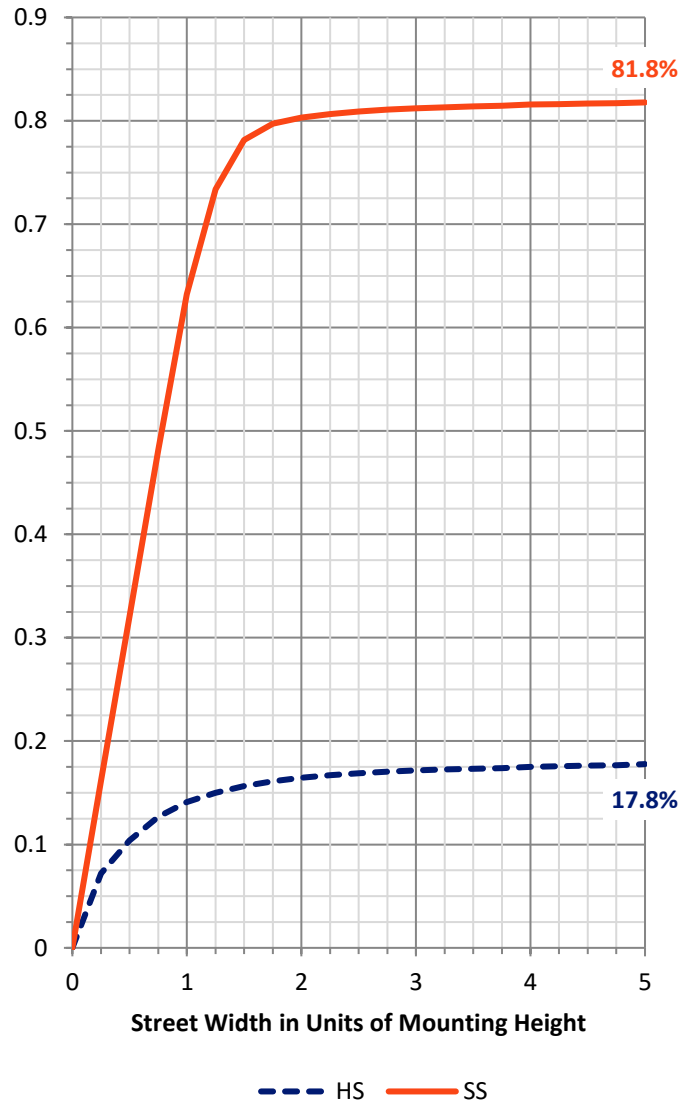
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 8841.9   | 0.0    | 8841.9  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 40023.1  | 0.0    | 40023.1 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 48865.0  | 0.0    | 48865.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1136.2  | 2.3       |
| 10°-20°   | 2867.7  | 5.9       |
| 20°-30°   | 4576.1  | 9.4       |
| 30°-40°   | 7245.1  | 14.8      |
| 40°-50°   | 11089.4 | 22.7      |
| 50°-60°   | 11877.8 | 24.3      |
| 60°-70°   | 7472.3  | 15.3      |
| 70°-80°   | 2209.7  | 4.5       |
| 80°-90°   | 390.7   | 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°    | 48865.0 | 100.0     |
| 0°-180°   | 48865.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P952771

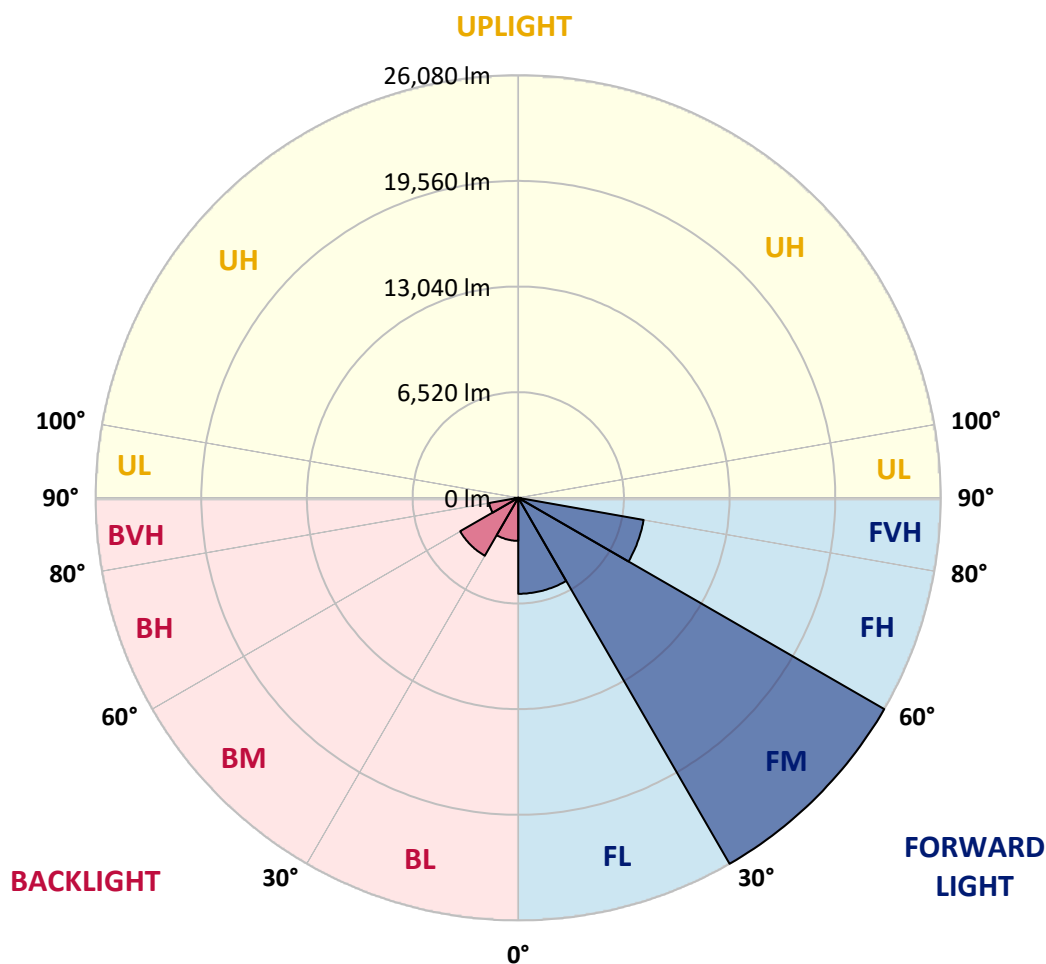
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 5922.4  | 12.1      |                         |      |          |
| FM   | (30°-60°)   | 26079.6 | 53.4      |                         |      |          |
| FH   | (60°-80°)   | 7856.0  | 16.1      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 165.1   | 0.3       |                         |      | G2/225   |
| BL   | (0°-30°)    | 2657.6  | 5.4       | B4/5000                 |      |          |
| BM   | (30°-60°)   | 4132.6  | 8.5       | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1826.1  | 3.7       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 225.6   | 0.5       |                         |      | G3/500   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B4-U0-G4**

Type II Short



REPORT NUMBER: P952771

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 12244.0 | 12244.0 | 12244.0 | 12244.0 | 12244.0 | 12244.0 | 12244.0 | 12244.0 | 12244.0 | 12244.0 |
| 2.5°  | 14047.6 | 14037.5 | 14093.1 | 13903.6 | 13774.8 | 13600.5 | 13370.6 | 13077.6 | 12761.8 | 12428.4 |
| 5°    | 15313.2 | 15224.8 | 15282.9 | 15141.4 | 15000.0 | 14737.2 | 14396.2 | 13918.8 | 13335.3 | 12670.9 |
| 7.5°  | 15113.6 | 15053.0 | 15202.0 | 15328.3 | 15434.4 | 15401.6 | 15151.5 | 14651.4 | 13898.6 | 12933.6 |
| 10°   | 13504.5 | 13436.3 | 13646.0 | 14083.0 | 14724.6 | 15282.9 | 15586.0 | 15275.3 | 14474.5 | 13221.6 |
| 12.5° | 12084.8 | 12052.0 | 12190.9 | 12544.6 | 13256.9 | 14328.0 | 15530.4 | 15820.9 | 15073.2 | 13562.6 |
| 15°   | 11478.6 | 11438.2 | 11526.6 | 11705.9 | 12160.6 | 13158.4 | 15025.2 | 16194.8 | 15661.8 | 13956.7 |
| 17.5° | 11344.7 | 11299.2 | 11337.1 | 11430.6 | 11723.6 | 12484.0 | 14262.3 | 16379.2 | 16275.6 | 14396.2 |
| 20°   | 11592.3 | 11554.4 | 11559.4 | 11554.4 | 11759.0 | 12362.7 | 13731.9 | 16308.5 | 16811.2 | 14800.4 |
| 22.5° | 12190.9 | 12127.8 | 12130.3 | 11996.4 | 12107.6 | 12574.9 | 13592.9 | 16119.0 | 17288.6 | 15154.0 |
| 25°   | 13166.0 | 13052.3 | 13075.1 | 12734.0 | 12703.7 | 13049.8 | 13810.2 | 15972.5 | 17763.5 | 15437.0 |
| 27.5° | 14499.8 | 14371.0 | 14302.8 | 13795.0 | 13552.5 | 13724.3 | 14252.2 | 16023.0 | 18213.1 | 15682.0 |
| 30°   | 16167.0 | 16010.4 | 15871.5 | 15151.5 | 14712.0 | 14648.8 | 14939.3 | 16356.5 | 18743.6 | 15939.7 |
| 32.5° | 18210.6 | 18028.7 | 17776.1 | 16821.3 | 16202.4 | 15871.5 | 15828.5 | 16950.1 | 19365.0 | 16268.1 |
| 35°   | 20643.2 | 20405.8 | 20047.1 | 18811.8 | 18028.7 | 17351.7 | 17000.6 | 17806.4 | 20216.3 | 16763.2 |
| 37.5° | 23149.1 | 22881.4 | 22553.0 | 21082.8 | 20120.3 | 19122.5 | 18430.4 | 18968.4 | 21350.6 | 17435.1 |
| 40°   | 25460.5 | 25159.9 | 24854.2 | 23545.7 | 22512.6 | 21310.1 | 20181.0 | 20438.6 | 22737.4 | 18238.4 |
| 42.5° | 26824.6 | 26602.3 | 26486.1 | 25778.8 | 24980.6 | 23760.5 | 22358.5 | 22181.6 | 24296.0 | 19163.0 |
| 45°   | 26764.0 | 26673.0 | 27031.7 | 27324.8 | 27135.3 | 26458.3 | 24909.8 | 24109.1 | 25859.6 | 19963.7 |
| 47.5° | 25334.2 | 25394.8 | 26195.6 | 27842.6 | 28567.6 | 28921.3 | 27814.8 | 26001.1 | 27218.7 | 20562.4 |
| 50°   | 21444.0 | 21494.5 | 23348.7 | 26900.4 | 28936.4 | 30929.5 | 30697.1 | 27847.7 | 28272.1 | 20928.7 |
| 52.5° | 18364.7 | 18397.6 | 19193.3 | 24106.5 | 27718.8 | 31939.9 | 33293.9 | 29588.2 | 29042.5 | 21029.7 |
| 55°   | 13832.9 | 13946.6 | 14838.3 | 18912.9 | 24551.1 | 31139.2 | 34875.3 | 31381.7 | 29530.1 | 21039.8 |
| 57.5° | 8081.0  | 8204.8  | 9306.1  | 12837.6 | 19082.1 | 28347.8 | 35115.2 | 32973.1 | 29861.0 | 20959.0 |
| 60°   | 3958.4  | 4011.4  | 4491.4  | 6747.2  | 11766.6 | 22969.8 | 33185.3 | 33743.6 | 30045.4 | 20916.1 |
| 62.5° | 2667.6  | 2660.0  | 2680.2  | 3329.4  | 5797.4  | 14757.4 | 29163.8 | 32394.6 | 29946.9 | 20751.9 |
| 65°   | 2293.7  | 2265.9  | 2190.1  | 2336.6  | 3003.5  | 6749.7  | 22532.8 | 28368.0 | 29196.6 | 20340.1 |
| 67.5° | 1983.0  | 1985.5  | 1988.0  | 1942.6  | 2144.7  | 3114.7  | 13769.7 | 22345.8 | 26503.8 | 18390.0 |
| 70°   | 1642.0  | 1664.7  | 1674.8  | 1674.8  | 1748.1  | 2043.6  | 5878.2  | 15315.7 | 20906.0 | 14419.0 |
| 72.5° | 1495.4  | 1447.5  | 1452.5  | 1427.2  | 1427.2  | 1556.1  | 2367.0  | 8682.2  | 13171.1 | 8111.3  |
| 75°   | 1220.1  | 1250.4  | 1255.5  | 1237.8  | 1179.7  | 1187.3  | 1404.5  | 3642.6  | 5635.7  | 3364.8  |
| 77.5° | 1053.4  | 1053.4  | 1063.5  | 1050.9  | 1005.4  | 889.2   | 937.2   | 1412.1  | 1917.3  | 1379.2  |
| 80°   | 846.2   | 843.7   | 886.7   | 911.9   | 841.2   | 656.8   | 598.7   | 780.6   | 851.3   | 606.3   |
| 82.5° | 411.8   | 437.0   | 608.8   | 694.7   | 639.1   | 474.9   | 366.3   | 485.0   | 454.7   | 267.8   |
| 85°   | 240.0   | 227.3   | 272.8   | 386.5   | 366.3   | 262.7   | 176.8   | 252.6   | 237.5   | 136.4   |
| 87.5° | 75.8    | 70.7    | 55.6    | 131.4   | 106.1   | 73.3    | 48.0    | 73.3    | 65.7    | 30.3    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P952771

CATALOG NUMBER: GLAN-SB6C-740-U-AFL

**CANDELA DISTRIBUTION (continued):**

| 90°     |       | 95°     | 105°    | 115°    | 125°    | 135°    | 145°    | 155°    | 165°    | 175°    | 180°    |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 12244.0 | 0°    | 12244.0 | 12244.0 | 12244.0 | 12244.0 | 12244.0 | 12244.0 | 12244.0 | 12244.0 | 12244.0 | 12244.0 |
| 12284.4 | 2.5°  | 12105.0 | 11807.0 | 11511.4 | 11241.1 | 11076.9 | 10970.8 | 10864.7 | 10746.0 | 10700.5 | 10632.3 |
| 12317.2 | 5°    | 11983.8 | 11407.8 | 10895.0 | 10453.0 | 10051.3 | 9735.6  | 9417.3  | 9159.6  | 9043.4  | 9121.7  |
| 12420.8 | 7.5°  | 11913.1 | 11079.5 | 10288.8 | 9477.9  | 8697.3  | 8073.4  | 7530.3  | 7148.8  | 6977.1  | 7020.0  |
| 12521.9 | 10°   | 11849.9 | 10708.1 | 9503.2  | 8222.4  | 7100.9  | 6327.9  | 5772.1  | 5481.6  | 5373.0  | 5395.7  |
| 12658.3 | 12.5° | 11791.8 | 10291.3 | 8555.9  | 6871.0  | 5678.7  | 5168.4  | 5009.2  | 5011.8  | 5032.0  | 5047.1  |
| 12875.5 | 15°   | 11781.7 | 9788.6  | 7497.5  | 5688.8  | 4910.7  | 4877.9  | 5049.7  | 5158.3  | 5216.4  | 5234.1  |
| 13057.4 | 17.5° | 11766.6 | 9187.4  | 6418.8  | 4882.9  | 4723.8  | 4946.1  | 5105.2  | 5176.0  | 5221.4  | 5224.0  |
| 13234.2 | 20°   | 11705.9 | 8424.5  | 5423.5  | 4499.0  | 4683.4  | 4875.4  | 4973.9  | 5029.5  | 5067.3  | 5080.0  |
| 13368.1 | 22.5° | 11519.0 | 7575.8  | 4648.0  | 4327.2  | 4521.7  | 4675.8  | 4792.0  | 4855.2  | 4877.9  | 4893.0  |
| 13393.4 | 25°   | 11183.0 | 6625.9  | 4112.5  | 4163.0  | 4296.9  | 4491.4  | 4584.9  | 4597.5  | 4589.9  | 4612.6  |
| 13330.2 | 27.5° | 10743.5 | 5607.9  | 3779.0  | 3940.7  | 4112.5  | 4279.2  | 4329.7  | 4322.1  | 4307.0  | 4332.3  |
| 13221.6 | 30°   | 10213.0 | 4693.5  | 3566.8  | 3690.6  | 3925.6  | 4077.1  | 4122.6  | 4104.9  | 4074.6  | 4102.4  |
| 13166.0 | 32.5° | 9652.2  | 3945.8  | 3392.5  | 3516.3  | 3771.5  | 3920.5  | 3966.0  | 3948.3  | 3925.6  | 3948.3  |
| 13229.2 | 35°   | 9129.3  | 3422.9  | 3230.9  | 3400.1  | 3650.2  | 3796.7  | 3854.8  | 3857.3  | 3857.3  | 3885.1  |
| 13395.9 | 37.5° | 8649.3  | 3117.2  | 3097.0  | 3326.9  | 3566.8  | 3698.2  | 3781.6  | 3786.6  | 3678.0  | 3685.6  |
| 13678.8 | 40°   | 8204.8  | 2988.4  | 3036.4  | 3278.9  | 3486.0  | 3612.3  | 3617.4  | 3334.4  | 3134.9  | 3129.8  |
| 14002.1 | 42.5° | 7841.0  | 2963.1  | 3054.0  | 3273.8  | 3427.9  | 3433.0  | 3076.8  | 2857.0  | 2801.4  | 2804.0  |
| 14300.2 | 45°   | 7500.0  | 2955.5  | 3094.5  | 3273.8  | 3342.0  | 2965.6  | 2725.7  | 2667.6  | 2672.6  | 2692.8  |
| 14434.1 | 47.5° | 7118.5  | 2925.2  | 3102.0  | 3228.3  | 3094.5  | 2637.2  | 2566.5  | 2541.3  | 2531.1  | 2536.2  |
| 14403.8 | 50°   | 6701.7  | 2816.6  | 3006.1  | 3137.4  | 2670.1  | 2495.8  | 2407.4  | 2399.8  | 2412.4  | 2420.0  |
| 14234.5 | 52.5° | 6262.2  | 2639.8  | 2841.9  | 2973.2  | 2475.6  | 2372.0  | 2273.5  | 2291.2  | 2346.7  | 2364.4  |
| 14057.7 | 55°   | 5974.2  | 2432.6  | 2624.6  | 2644.8  | 2339.2  | 2255.8  | 2172.4  | 2212.9  | 2316.4  | 2349.3  |
| 13951.6 | 57.5° | 5898.4  | 2212.9  | 2377.1  | 2354.3  | 2164.9  | 2154.8  | 2104.2  | 2139.6  | 2271.0  | 2319.0  |
| 13946.6 | 60°   | 5875.7  | 2015.8  | 2134.6  | 2116.9  | 1995.6  | 2043.6  | 2031.0  | 2048.7  | 2094.1  | 2109.3  |
| 13896.0 | 62.5° | 5698.9  | 1859.2  | 1917.3  | 1892.0  | 1844.0  | 1927.4  | 1957.7  | 1919.8  | 1955.2  | 1972.9  |
| 13550.0 | 65°   | 5249.2  | 1732.9  | 1705.1  | 1687.4  | 1707.6  | 1783.4  | 1844.0  | 1768.3  | 1801.1  | 1851.6  |
| 12216.2 | 67.5° | 4506.6  | 1561.1  | 1485.3  | 1505.6  | 1568.7  | 1609.1  | 1687.4  | 1601.5  | 1629.3  | 1715.2  |
| 9839.1  | 70°   | 3645.2  | 1343.9  | 1275.7  | 1333.8  | 1394.4  | 1477.8  | 1490.4  | 1432.3  | 1498.0  | 1594.0  |
| 6004.5  | 72.5° | 2579.1  | 1124.1  | 1076.1  | 1194.8  | 1215.1  | 1323.7  | 1295.9  | 1268.1  | 1359.0  | 1391.9  |
| 2968.2  | 75°   | 1788.5  | 906.9   | 879.1   | 970.0   | 1043.3  | 1136.7  | 1116.5  | 1149.4  | 1341.4  | 1356.5  |
| 1482.8  | 77.5° | 1131.7  | 704.8   | 687.1   | 745.2   | 846.2   | 949.8   | 982.7   | 1356.5  | 2291.2  | 2382.1  |
| 770.5   | 80°   | 656.8   | 525.4   | 505.2   | 550.7   | 639.1   | 735.1   | 947.3   | 1664.7  | 1510.6  | 1492.9  |
| 346.1   | 82.5° | 366.3   | 361.2   | 336.0   | 348.6   | 426.9   | 530.5   | 1338.8  | 1172.1  | 952.3   | 982.7   |
| 138.9   | 85°   | 171.8   | 212.2   | 181.9   | 174.3   | 240.0   | 621.4   | 894.2   | 669.4   | 444.6   | 434.5   |
| 30.3    | 87.5° | 45.5    | 40.4    | 40.4    | 45.5    | 101.0   | 535.5   | 356.2   | 285.4   | 169.2   | 164.2   |
| 0.0     | 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF RI

