

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: P955408

Luminaire Tested: **GLAN-SB8B-840-U-T2U-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P955408  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8B-840-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 33286 lumens  
Efficiency: N/A  
Efficacy: 113.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G4

Input Watts (W): 292.8  
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



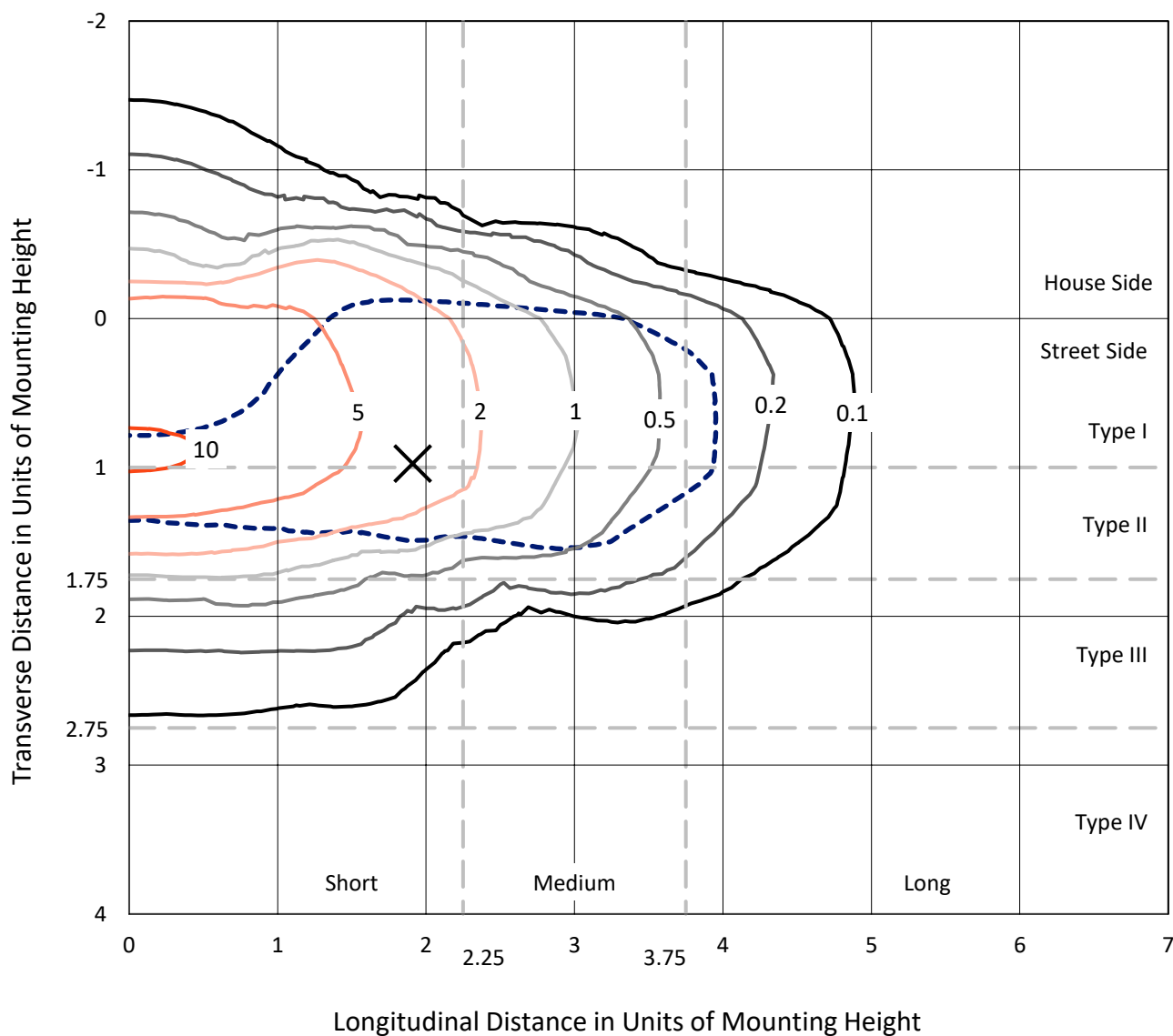
REPORT NUMBER: P955408

CATALOG NUMBER: GLAN-SB8B-840-U-T2U-HSS

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

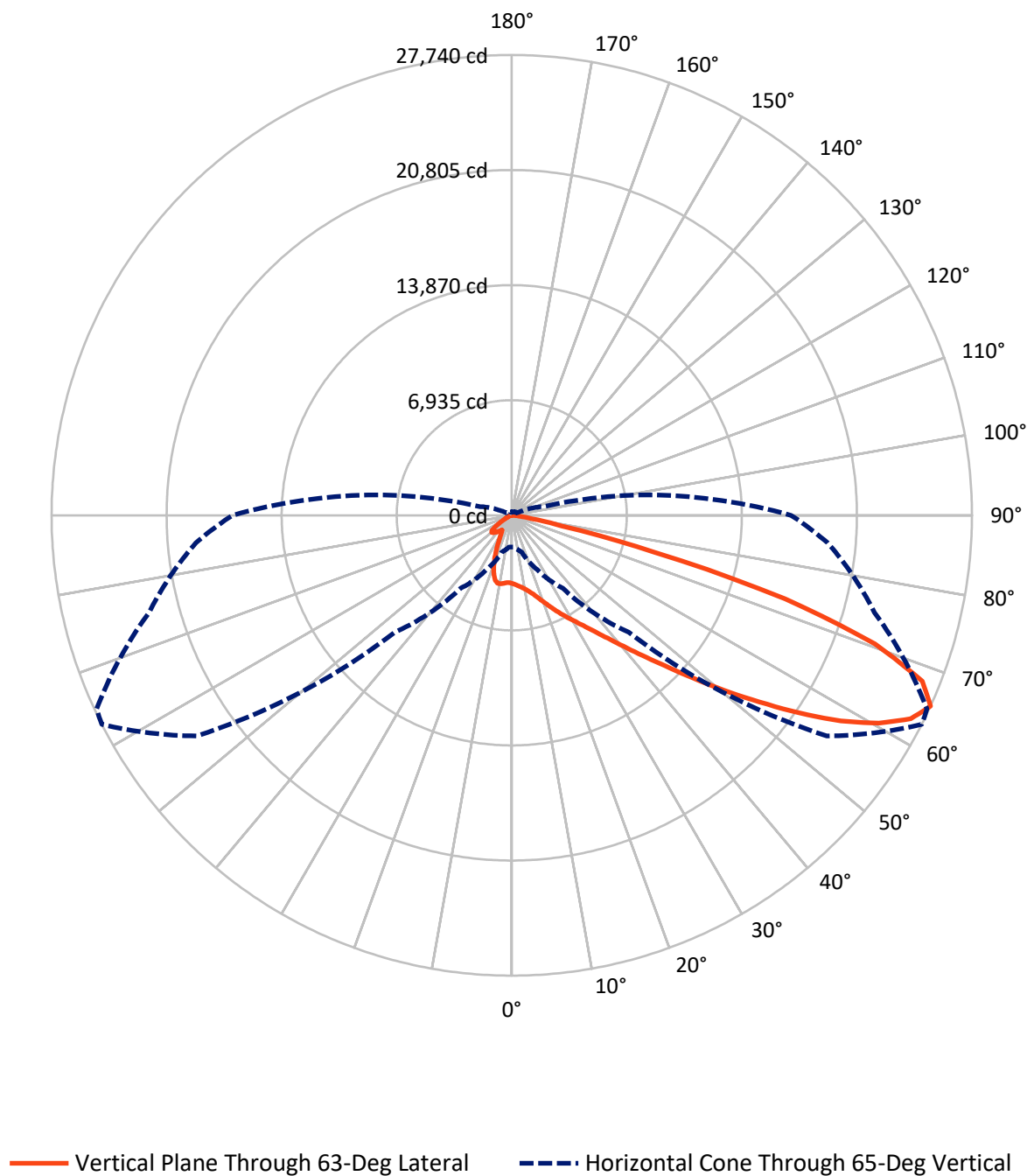


Based on 25 foot mounting height. Maximum calculated value = 11.3 fc

Type II - Short - N/A

REPORT NUMBER: P955408  
CATALOG NUMBER: GLAN-SB8B-840-U-T2U-HSS

## Luminous Intensity Polar Plot



REPORT NUMBER: P955408

CATALOG NUMBER: GLAN-SB8B-840-U-T2U-HSS

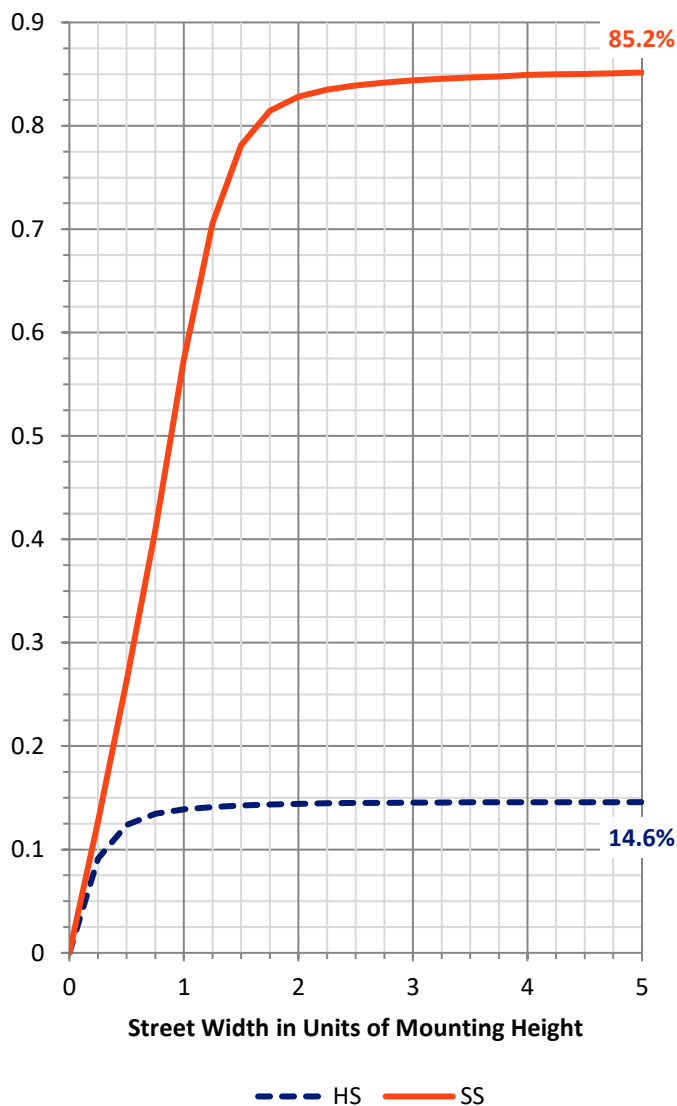
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4892.8   | 0.0    | 4892.8  |
|                    | % Fixture | 14.7     | 0.0    | 14.7    |
| <b>Street Side</b> | Lumens    | 28393.2  | 0.0    | 28393.2 |
|                    | % Fixture | 85.3     | 0.0    | 85.3    |
| <b>Total</b>       | Lumens    | 33286.0  | 0.0    | 33286.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 387.1   | 1.2       |
| 10°-20°   | 1074.0  | 3.2       |
| 20°-30°   | 1870.0  | 5.6       |
| 30°-40°   | 3370.5  | 10.1      |
| 40°-50°   | 6684.8  | 20.1      |
| 50°-60°   | 9105.9  | 27.4      |
| 60°-70°   | 7268.2  | 21.8      |
| 70°-80°   | 3289.0  | 9.9       |
| 80°-90°   | 236.4   | 0.7       |
| 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°    | 33286.0 | 100.0     |
| 0°-180°   | 33286.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P955408

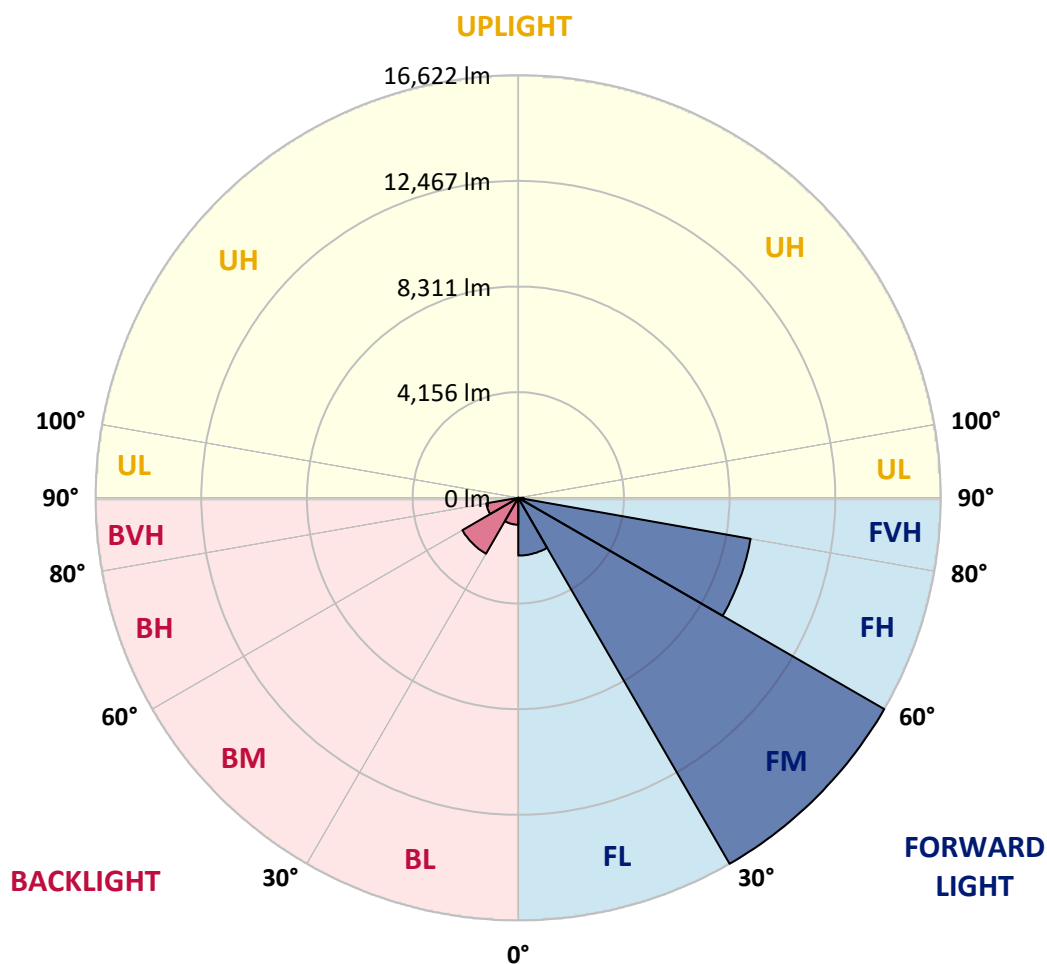
CATALOG NUMBER: GLAN-SB8B-840-U-T2U-HSS

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2272.2  | 6.8       |                         |      |          |
| FM   | (30°-60°)   | 16622.2 | 49.9      |                         |      |          |
| FH   | (60°-80°)   | 9280.0  | 27.9      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 218.9   | 0.7       |                         |      | G2/225   |
| BL   | (0°-30°)    | 1058.9  | 3.2       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2539.1  | 7.6       | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1277.3  | 3.8       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 17.5    | 0.1       |                         |      | G1/100   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G4**

Type II Short



REPORT NUMBER: P955408

CATALOG NUMBER: GLAN-SB8B-840-U-T2U-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 63°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4108.1  | 4108.1  | 4108.1  | 4108.1  | 4108.1  | 4108.1  | 4108.1  | 4108.1  | 4108.1  | 4108.1  |
| 2.5°  | 4204.3  | 4192.8  | 4208.9  | 4202.0  | 4197.4  | 4188.3  | 4183.7  | 4179.1  | 4169.9  | 4163.1  |
| 5°    | 4215.7  | 4208.9  | 4224.9  | 4238.6  | 4252.4  | 4266.1  | 4273.0  | 4282.2  | 4273.0  | 4254.7  |
| 7.5°  | 4119.6  | 4115.0  | 4149.3  | 4190.6  | 4252.4  | 4305.1  | 4362.3  | 4394.4  | 4396.7  | 4389.8  |
| 10°   | 4112.7  | 4101.3  | 4135.6  | 4186.0  | 4266.1  | 4360.0  | 4460.8  | 4529.5  | 4538.6  | 4568.4  |
| 12.5° | 4220.3  | 4208.9  | 4257.0  | 4311.9  | 4394.4  | 4492.8  | 4616.5  | 4712.7  | 4726.4  | 4767.6  |
| 15°   | 4401.2  | 4385.2  | 4440.2  | 4511.1  | 4616.5  | 4728.7  | 4859.2  | 4946.2  | 4957.7  | 5008.1  |
| 17.5° | 4611.9  | 4595.9  | 4660.0  | 4735.6  | 4850.1  | 5003.5  | 5154.6  | 5250.8  | 5264.5  | 5296.6  |
| 20°   | 4882.1  | 4861.5  | 4911.9  | 4980.6  | 5101.9  | 5285.1  | 5466.0  | 5603.4  | 5601.2  | 5601.2  |
| 22.5° | 5195.8  | 5163.8  | 5207.3  | 5262.2  | 5376.7  | 5598.9  | 5839.3  | 6001.9  | 6001.9  | 5937.8  |
| 25°   | 5532.5  | 5500.4  | 5548.5  | 5598.9  | 5699.6  | 5951.5  | 6233.2  | 6434.7  | 6443.8  | 6333.9  |
| 27.5° | 5953.8  | 5912.6  | 5949.2  | 6008.8  | 6068.3  | 6324.8  | 6659.1  | 6892.7  | 6897.2  | 6727.8  |
| 30°   | 6764.4  | 6647.6  | 6533.1  | 6469.0  | 6496.5  | 6750.7  | 7107.9  | 7366.7  | 7389.6  | 7156.0  |
| 32.5° | 8248.3  | 8225.4  | 7822.4  | 7295.7  | 7020.9  | 7208.7  | 7609.4  | 7920.8  | 7934.6  | 7634.6  |
| 35°   | 10554.3 | 10526.8 | 9878.7  | 8875.7  | 7980.4  | 7822.4  | 8218.5  | 8587.2  | 8578.1  | 8239.1  |
| 37.5° | 13306.7 | 13281.6 | 12427.4 | 11085.5 | 9636.0  | 8749.8  | 9004.0  | 9391.0  | 9448.2  | 9004.0  |
| 40°   | 15658.5 | 15564.6 | 15024.2 | 13730.4 | 11834.3 | 10288.6 | 10121.5 | 10377.9 | 10437.5 | 9910.8  |
| 42.5° | 17440.1 | 17359.9 | 17085.1 | 16276.8 | 14495.2 | 12564.8 | 11438.2 | 11536.6 | 11603.0 | 10971.0 |
| 45°   | 18362.9 | 18344.6 | 18454.5 | 18378.9 | 17206.5 | 15358.5 | 13320.5 | 12910.6 | 12935.8 | 12145.8 |
| 47.5° | 18493.4 | 18484.3 | 18985.7 | 19695.6 | 19537.6 | 18509.4 | 15736.3 | 14623.4 | 14534.1 | 13471.6 |
| 50°   | 17724.0 | 17705.7 | 18667.4 | 19997.9 | 21094.8 | 21156.6 | 18479.7 | 16553.9 | 16356.9 | 14843.3 |
| 52.5° | 15266.9 | 15262.3 | 16842.4 | 19056.7 | 21642.1 | 23474.0 | 21190.9 | 18674.3 | 18344.6 | 16295.1 |
| 55°   | 11747.3 | 11832.0 | 13643.4 | 16260.7 | 20643.7 | 24589.2 | 23625.1 | 21028.4 | 20522.3 | 17756.1 |
| 57.5° | 8321.6  | 8445.2  | 10236.0 | 12567.1 | 17547.7 | 23929.7 | 25271.6 | 23387.0 | 22842.0 | 19212.5 |
| 60°   | 4469.9  | 4579.8  | 6372.9  | 9155.1  | 13054.8 | 21470.3 | 26139.5 | 25434.2 | 24918.9 | 20595.6 |
| 62.5° | 2663.2  | 2699.8  | 3441.8  | 5910.3  | 8829.9  | 16402.7 | 25770.8 | 26993.6 | 26570.0 | 21756.6 |
| 65°   | 1912.1  | 1919.0  | 2292.2  | 3608.9  | 5360.7  | 9965.7  | 23185.5 | 27740.1 | 27609.6 | 22631.3 |
| 67.5° | 1609.8  | 1605.2  | 1761.0  | 2397.5  | 3652.4  | 4992.0  | 17769.8 | 26684.5 | 27238.6 | 23185.5 |
| 70°   | 1380.8  | 1387.7  | 1570.9  | 1756.4  | 2745.6  | 2825.8  | 8834.5  | 23233.6 | 24415.2 | 23332.0 |
| 72.5° | 1028.2  | 1051.1  | 1220.5  | 1600.7  | 2072.4  | 1944.1  | 3050.2  | 17227.1 | 19363.6 | 21983.3 |
| 75°   | 725.9   | 737.4   | 858.7   | 1346.5  | 1545.7  | 1415.2  | 1557.1  | 8905.5  | 11644.3 | 16853.8 |
| 77.5° | 558.7   | 579.4   | 650.3   | 941.2   | 1522.8  | 993.8   | 952.6   | 3082.2  | 4735.6  | 10181.0 |
| 80°   | 302.3   | 338.9   | 469.4   | 680.1   | 1069.4  | 703.0   | 471.7   | 1227.4  | 1605.2  | 4760.7  |
| 82.5° | 155.7   | 174.0   | 327.5   | 490.0   | 609.1   | 613.7   | 233.6   | 510.7   | 661.8   | 1470.1  |
| 85°   | 61.8    | 75.6    | 219.8   | 270.2   | 313.7   | 302.3   | 105.3   | 206.1   | 238.2   | 407.6   |
| 87.5° | 13.7    | 22.9    | 80.1    | 61.8    | 59.5    | 64.1    | 25.2    | 48.1    | 45.8    | 48.1    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P955408

CATALOG NUMBER: GLAN-SB8B-840-U-T2U-HSS

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4108.1  | 0°    | 4108.1  | 4108.1  | 4108.1 | 4108.1 | 4108.1 | 4108.1 | 4108.1 | 4108.1 | 4108.1 | 4108.1 |
| 4135.6  | 2.5°  | 4133.3  | 4124.2  | 4099.0 | 4071.5 | 4039.4 | 4021.1 | 4009.7 | 4007.4 | 3991.3 | 3979.9 |
| 4227.2  | 5°    | 4202.0  | 4192.8  | 4144.8 | 4087.5 | 4025.7 | 3977.6 | 3931.8 | 3890.6 | 3831.0 | 3819.6 |
| 4360.0  | 7.5°  | 4339.4  | 4314.2  | 4236.4 | 4158.5 | 4041.7 | 3902.0 | 3732.6 | 3537.9 | 3363.9 | 3311.2 |
| 4536.3  | 10°   | 4508.9  | 4474.5  | 4376.0 | 4238.6 | 3979.9 | 3599.8 | 3189.9 | 2809.7 | 2507.5 | 2422.7 |
| 4744.7  | 12.5° | 4701.2  | 4671.4  | 4540.9 | 4286.7 | 3721.1 | 3031.9 | 2404.4 | 1932.7 | 1639.6 | 1566.3 |
| 4966.8  | 15°   | 4930.2  | 4886.7  | 4705.8 | 4213.5 | 3258.6 | 2303.7 | 1651.0 | 1371.7 | 1266.3 | 1252.6 |
| 5221.0  | 17.5° | 5172.9  | 5101.9  | 4852.3 | 3950.1 | 2635.7 | 1637.3 | 1275.5 | 1195.3 | 1149.5 | 1135.8 |
| 5477.5  | 20°   | 5395.1  | 5303.5  | 4939.4 | 3551.7 | 1969.3 | 1275.5 | 1142.7 | 1090.0 | 1048.8 | 1032.8 |
| 5734.0  | 22.5° | 5617.2  | 5486.7  | 4939.4 | 3009.0 | 1477.0 | 1131.2 | 1048.8 | 1000.7 | 952.6  | 932.0  |
| 6008.8  | 25°   | 5848.5  | 5674.4  | 4852.3 | 2404.4 | 1188.5 | 1037.3 | 959.5  | 906.8  | 865.6  | 840.4  |
| 6269.8  | 27.5° | 6072.9  | 5832.4  | 4653.1 | 1831.9 | 1057.9 | 954.9  | 877.0  | 826.7  | 787.7  | 769.4  |
| 6553.8  | 30°   | 6285.8  | 5988.1  | 4373.8 | 1390.0 | 973.2  | 874.8  | 801.5  | 758.0  | 719.0  | 700.7  |
| 6922.4  | 32.5° | 6574.4  | 6185.1  | 4076.1 | 1140.4 | 899.9  | 799.2  | 732.8  | 691.6  | 657.2  | 643.5  |
| 7401.0  | 35°   | 6975.1  | 6475.9  | 3819.6 | 1119.8 | 838.1  | 737.4  | 670.9  | 632.0  | 597.7  | 586.2  |
| 8019.3  | 37.5° | 7543.0  | 6945.3  | 3684.5 | 1257.2 | 787.7  | 682.4  | 620.6  | 579.4  | 547.3  | 538.1  |
| 8804.8  | 40°   | 8243.7  | 7581.9  | 3757.8 | 1394.6 | 753.4  | 634.3  | 574.8  | 533.6  | 506.1  | 494.6  |
| 9707.0  | 42.5° | 9075.0  | 8367.4  | 4163.1 | 1499.9 | 730.5  | 593.1  | 531.3  | 485.5  | 467.1  | 462.6  |
| 10730.6 | 45°   | 10029.9 | 9230.7  | 4783.6 | 1612.1 | 693.8  | 554.2  | 487.8  | 453.4  | 439.7  | 437.4  |
| 11843.5 | 47.5° | 11115.3 | 10178.7 | 5502.7 | 1751.8 | 657.2  | 517.5  | 453.4  | 430.5  | 419.1  | 414.5  |
| 13004.5 | 50°   | 12191.5 | 11133.6 | 6242.3 | 1829.6 | 627.4  | 483.2  | 425.9  | 407.6  | 398.4  | 396.2  |
| 14231.9 | 52.5° | 13318.2 | 12116.0 | 6840.0 | 1756.4 | 602.2  | 455.7  | 403.0  | 389.3  | 380.1  | 377.8  |
| 15363.1 | 55°   | 14392.2 | 12910.6 | 6943.0 | 1490.7 | 551.9  | 428.2  | 377.8  | 371.0  | 359.5  | 359.5  |
| 16510.3 | 57.5° | 15317.3 | 13309.0 | 6214.9 | 1094.6 | 501.5  | 387.0  | 352.6  | 345.8  | 336.6  | 334.3  |
| 17545.4 | 60°   | 16166.9 | 13194.5 | 4797.4 | 737.4  | 446.5  | 345.8  | 320.6  | 316.0  | 306.8  | 295.4  |
| 18445.3 | 62.5° | 16645.4 | 12690.8 | 3281.5 | 480.9  | 391.6  | 302.3  | 284.0  | 281.7  | 261.1  | 238.2  |
| 19111.7 | 65°   | 16826.4 | 11655.7 | 2047.2 | 350.4  | 327.5  | 258.8  | 245.0  | 240.4  | 210.7  | 185.5  |
| 19489.5 | 67.5° | 16668.3 | 9952.0  | 1032.8 | 277.1  | 258.8  | 215.3  | 201.5  | 201.5  | 180.9  | 158.0  |
| 19466.6 | 70°   | 16036.3 | 7460.6  | 435.1  | 222.1  | 199.2  | 164.9  | 164.9  | 174.0  | 153.4  | 128.2  |
| 18456.8 | 72.5° | 14664.7 | 5019.5  | 231.3  | 169.5  | 148.8  | 116.8  | 135.1  | 142.0  | 121.4  | 96.2   |
| 15106.6 | 75°   | 11658.0 | 3061.6  | 160.3  | 125.9  | 93.9   | 82.4   | 103.0  | 107.6  | 82.4   | 64.1   |
| 10357.3 | 77.5° | 7973.5  | 1758.7  | 107.6  | 80.1   | 59.5   | 48.1   | 71.0   | 66.4   | 43.5   | 29.8   |
| 3993.6  | 80°   | 3501.3  | 732.8   | 61.8   | 36.6   | 22.9   | 18.3   | 25.2   | 18.3   | 13.7   | 9.2    |
| 547.3   | 82.5° | 409.9   | 171.7   | 22.9   | 13.7   | 9.2    | 4.6    | 2.3    | 0.0    | 0.0    | 0.0    |
| 167.2   | 85°   | 84.7    | 20.6    | 11.4   | 4.6    | 2.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 29.8    | 87.5° | 16.0    | 4.6     | 2.3    | 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    |

(END O



| 180°   |
|--------|
| 4108.1 |
| 3991.3 |
| 3815.0 |
| 3286.0 |
| 2390.7 |
| 1545.7 |
| 1238.8 |
| 1128.9 |
| 1023.6 |
| 920.5  |
| 831.2  |
| 769.4  |
| 703.0  |
| 643.5  |
| 586.2  |
| 535.8  |
| 492.3  |
| 462.6  |
| 435.1  |
| 414.5  |
| 396.2  |
| 377.8  |
| 357.2  |
| 332.0  |
| 293.1  |
| 233.6  |
| 183.2  |
| 155.7  |
| 125.9  |
| 96.2   |
| 61.8   |
| 32.1   |
| 9.2    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |