

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: P950306

Luminaire Tested: **GLAN-SB4D-750-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950306
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4D-750-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43726 lumens
Efficiency: N/A
Efficacy: 148.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

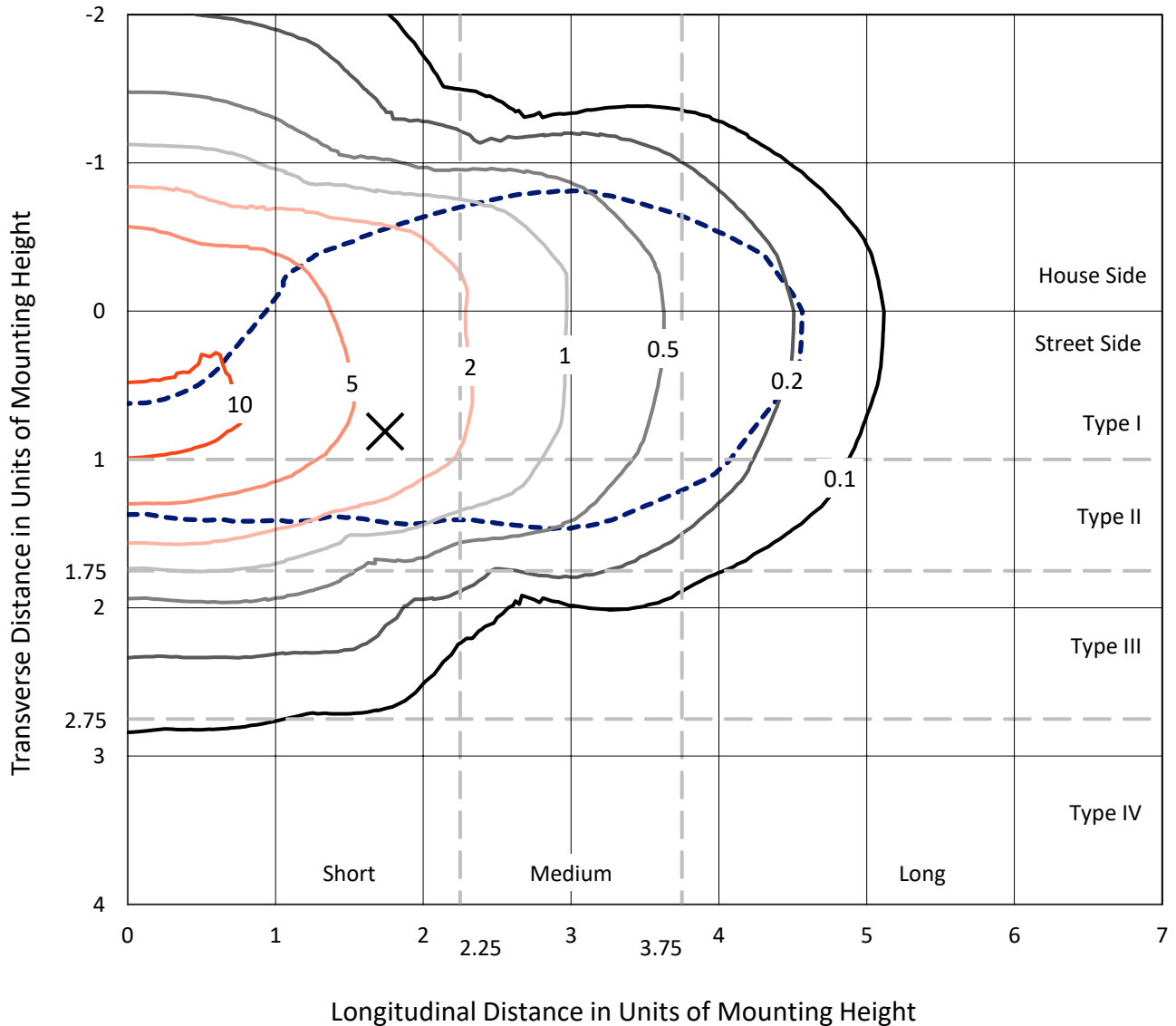
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P950306
 CATALOG NUMBER: GLAN-SB4D-750-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

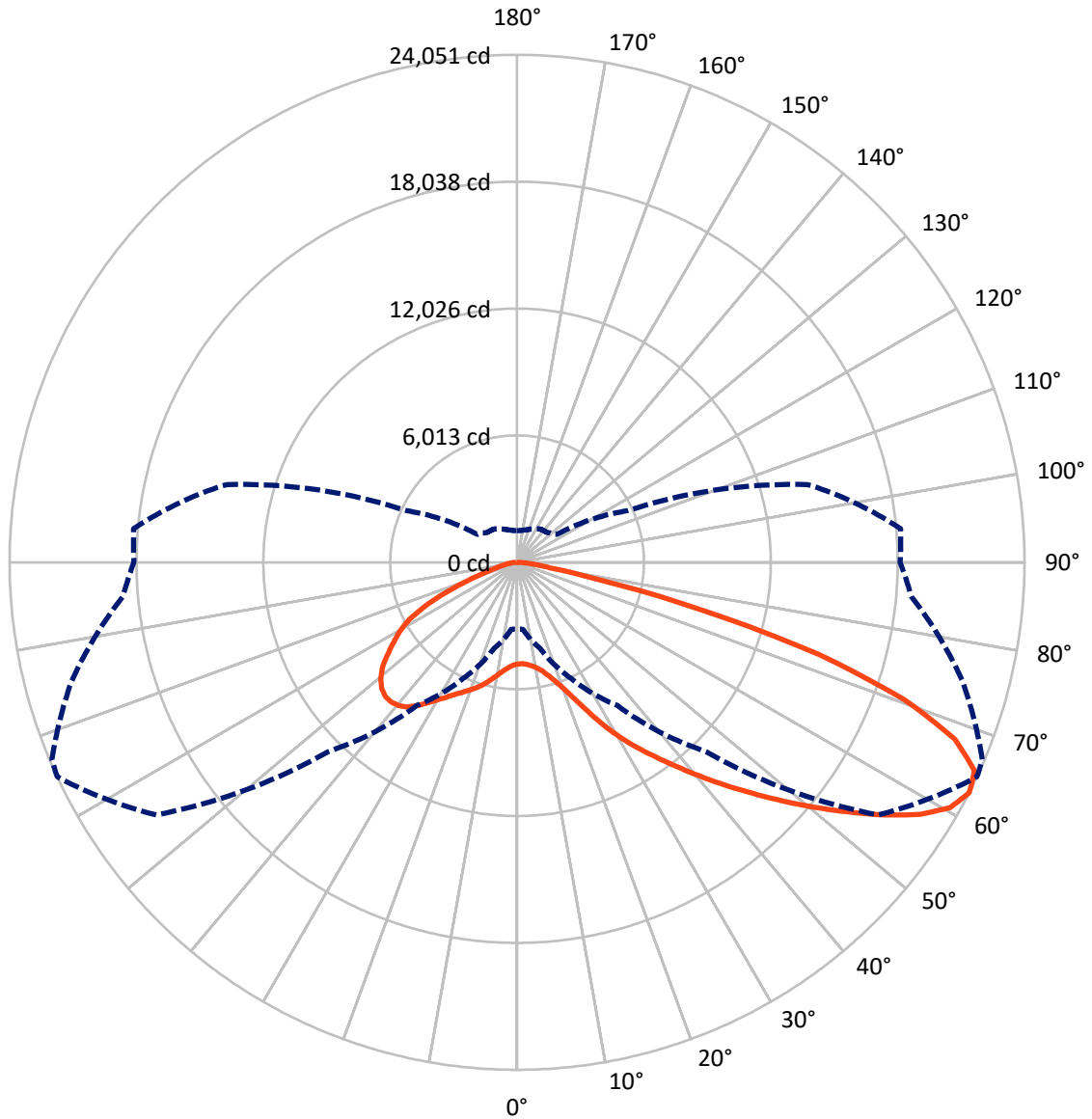
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.2 fc
 Type II - Short - N/A

REPORT NUMBER: P950306
CATALOG NUMBER: GLAN-SB4D-750-U-T2U

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P950306
 CATALOG NUMBER: GLAN-SB4D-750-U-T2U

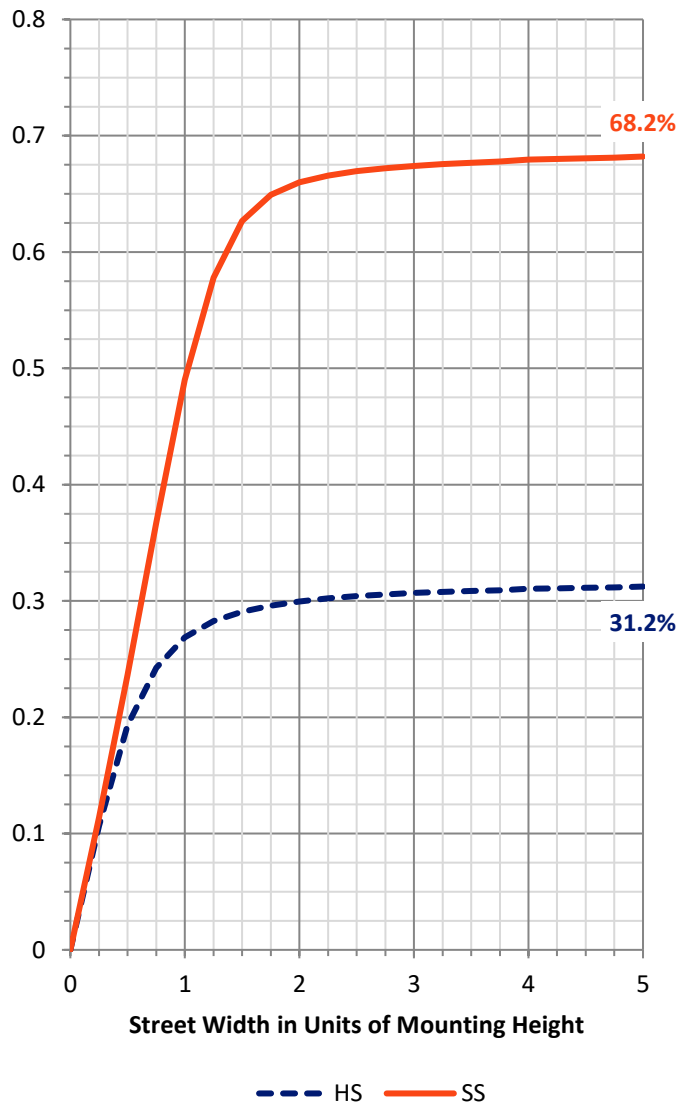
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 13798.0 | 0.0 | 13798.0 |
| | % Fixture | 31.6 | 0.0 | 31.6 |
| Street Side | Lumens | 29928.0 | 0.0 | 29928.0 |
| | % Fixture | 68.4 | 0.0 | 68.4 |
| Total | Lumens | 43726.0 | 0.0 | 43726.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 480.4 | 1.1 |
| 10°-20° | 1629.0 | 3.7 |
| 20°-30° | 3303.1 | 7.6 |
| 30°-40° | 5715.9 | 13.1 |
| 40°-50° | 8649.9 | 19.8 |
| 50°-60° | 10141.5 | 23.2 |
| 60°-70° | 8502.4 | 19.4 |
| 70°-80° | 4694.0 | 10.7 |
| 80°-90° | 609.7 | 1.4 |
| 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° | 43726.0 | 100.0 |
| 0°-180° | 43726.0 | 100.0 |

Coefficient of Utilization

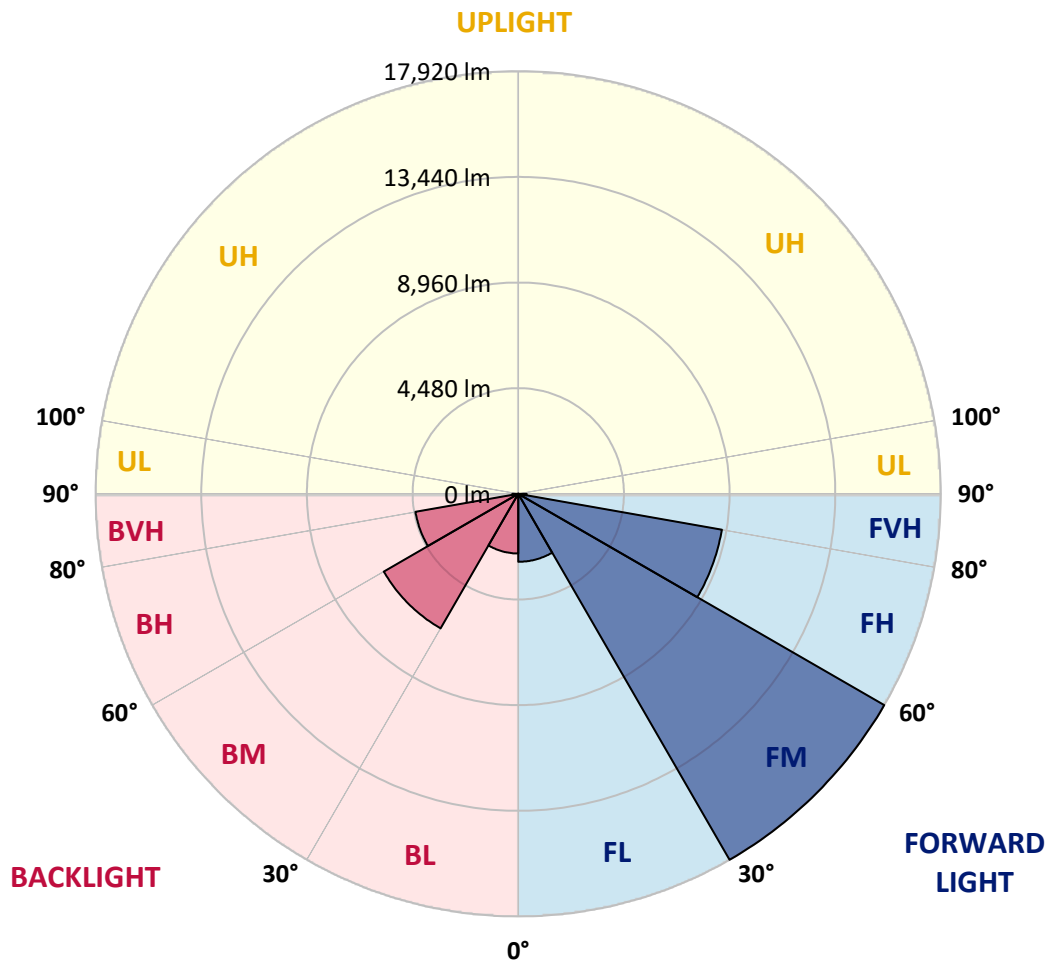


REPORT NUMBER: P950306
 CATALOG NUMBER: GLAN-SB4D-750-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 2882.1 | 6.6 | | | |
| FM (30°-60°) | 17920.3 | 41.0 | | | |
| FH (60°-80°) | 8770.2 | 20.1 | | | G4/12000 |
| FVH (80°-90°) | 355.4 | 0.8 | | | G3/500 |
| BL (0°-30°) | 2530.4 | 5.8 | B4/5000 | | |
| BM (30°-60°) | 6587.0 | 15.1 | B4/8500 | | |
| BH (60°-80°) | 4426.3 | 10.1 | B4/5000 | | G4/5000 |
| BVH (80°-90°) | 254.4 | 0.6 | | | 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: P950306
 CATALOG NUMBER: GLAN-SB4D-750-U-T2U

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 67° | 75° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 4818.4 | 4818.4 | 4818.4 | 4818.4 | 4818.4 | 4818.4 | 4818.4 | 4818.4 | 4818.4 | 4818.4 |
| 2.5° | 4786.7 | 4773.0 | 4784.4 | 4784.4 | 4788.9 | 4786.7 | 4802.5 | 4807.1 | 4813.9 | 4827.5 |
| 5° | 4739.0 | 4736.7 | 4757.2 | 4775.3 | 4793.5 | 4809.3 | 4829.8 | 4859.2 | 4863.8 | 4879.7 |
| 7.5° | 4723.1 | 4709.5 | 4741.3 | 4764.0 | 4807.1 | 4845.6 | 4900.1 | 4950.0 | 4970.4 | 4977.2 |
| 10° | 4845.6 | 4823.0 | 4852.4 | 4866.1 | 4902.4 | 4940.9 | 5004.4 | 5083.8 | 5106.5 | 5133.7 |
| 12.5° | 5054.3 | 5029.4 | 5072.5 | 5092.9 | 5126.9 | 5161.0 | 5204.1 | 5281.2 | 5292.5 | 5342.5 |
| 15° | 5340.2 | 5310.7 | 5337.9 | 5362.9 | 5419.6 | 5451.3 | 5494.4 | 5569.3 | 5569.3 | 5607.9 |
| 17.5° | 5728.1 | 5689.5 | 5710.0 | 5719.0 | 5755.3 | 5803.0 | 5875.6 | 5941.4 | 5975.4 | 5961.8 |
| 20° | 6306.6 | 6258.9 | 6258.9 | 6213.6 | 6200.0 | 6238.5 | 6333.8 | 6424.6 | 6460.9 | 6390.5 |
| 22.5° | 7175.4 | 7107.4 | 7068.8 | 6914.6 | 6853.3 | 6857.8 | 6953.1 | 7064.3 | 7093.8 | 6969.0 |
| 25° | 8280.2 | 8173.6 | 8121.4 | 7894.6 | 7756.2 | 7636.0 | 7710.8 | 7853.7 | 7894.6 | 7740.3 |
| 27.5° | 9385.0 | 9391.8 | 9341.9 | 9069.7 | 8840.6 | 8620.5 | 8582.0 | 8731.7 | 8774.8 | 8600.1 |
| 30° | 10934.4 | 10773.4 | 10678.1 | 10351.4 | 10024.8 | 9716.2 | 9557.4 | 9618.7 | 9630.0 | 9421.3 |
| 32.5° | 12270.6 | 12229.8 | 12025.6 | 11739.8 | 11320.1 | 10836.9 | 10571.5 | 10473.9 | 10455.8 | 10158.6 |
| 35° | 13792.8 | 13770.1 | 13554.6 | 13214.3 | 12760.6 | 12089.1 | 11610.5 | 11331.4 | 11308.8 | 10891.3 |
| 37.5° | 15340.0 | 15340.0 | 15129.0 | 14757.0 | 14287.4 | 13448.0 | 12719.8 | 12277.4 | 12204.8 | 11660.4 |
| 40° | 16574.1 | 16499.2 | 16537.8 | 16381.3 | 15843.6 | 14952.1 | 13951.6 | 13309.6 | 13212.1 | 12558.7 |
| 42.5° | 17275.1 | 17250.1 | 17481.5 | 17656.2 | 17436.1 | 16723.8 | 15308.2 | 14428.0 | 14291.9 | 13547.8 |
| 45° | 17431.6 | 17404.4 | 17817.2 | 18457.0 | 18765.5 | 18472.9 | 16782.8 | 15605.4 | 15439.8 | 14582.3 |
| 47.5° | 17070.9 | 17016.4 | 17622.2 | 18631.7 | 19620.8 | 20135.7 | 18379.9 | 16882.6 | 16642.1 | 15589.5 |
| 50° | 15986.5 | 15934.3 | 16850.8 | 18191.6 | 19908.9 | 21265.5 | 20113.0 | 18236.9 | 17869.4 | 16669.4 |
| 52.5° | 13629.5 | 13654.4 | 15090.4 | 16932.5 | 19530.0 | 21968.7 | 21605.7 | 19663.9 | 19221.5 | 17774.1 |
| 55° | 10616.8 | 10671.3 | 12436.2 | 14464.3 | 18014.6 | 21862.1 | 22624.3 | 21133.9 | 20693.8 | 18813.1 |
| 57.5° | 7601.9 | 7842.4 | 9496.2 | 11503.9 | 15104.1 | 20172.0 | 22846.6 | 22531.3 | 22104.8 | 19947.4 |
| 60° | 4927.3 | 4970.4 | 6671.8 | 8695.4 | 11501.6 | 17168.4 | 22395.2 | 23590.7 | 23257.2 | 21104.4 |
| 62.5° | 3157.8 | 3187.3 | 4224.1 | 6082.0 | 8278.0 | 12701.7 | 20875.3 | 24051.2 | 23949.2 | 21868.9 |
| 65° | 2320.7 | 2298.0 | 2838.0 | 4019.9 | 5576.1 | 7833.3 | 17923.9 | 23828.9 | 24030.8 | 22347.6 |
| 67.5° | 1937.3 | 1905.6 | 2171.0 | 2783.5 | 4108.4 | 4448.6 | 13262.0 | 22383.9 | 23123.4 | 22293.1 |
| 70° | 1764.9 | 1737.7 | 1898.8 | 2066.7 | 3205.5 | 2978.6 | 6685.4 | 19459.7 | 20598.5 | 21673.8 |
| 72.5° | 1495.0 | 1447.3 | 1667.4 | 1835.3 | 2493.1 | 2284.4 | 2763.1 | 14947.5 | 16335.9 | 19688.8 |
| 75° | 1159.2 | 1127.5 | 1315.8 | 1615.2 | 1873.8 | 1783.1 | 1746.8 | 9076.5 | 10591.9 | 15226.6 |
| 77.5° | 918.8 | 875.7 | 1048.1 | 1259.0 | 1685.5 | 1345.3 | 1272.7 | 3908.7 | 5410.5 | 9720.8 |
| 80° | 691.9 | 653.3 | 796.3 | 995.9 | 1295.3 | 1014.0 | 823.5 | 1594.8 | 2039.4 | 4925.0 |
| 82.5° | 492.3 | 458.2 | 555.8 | 730.5 | 871.1 | 909.7 | 505.9 | 893.8 | 1005.0 | 1898.8 |
| 85° | 315.3 | 294.9 | 372.0 | 458.2 | 553.5 | 585.3 | 308.5 | 467.3 | 512.7 | 782.7 |
| 87.5° | 172.4 | 140.7 | 199.6 | 213.2 | 256.3 | 233.7 | 147.5 | 170.1 | 183.8 | 283.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P950306
 CATALOG NUMBER: GLAN-SB4D-750-U-T2U

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|---------|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 4818.4 | 0° | 4818.4 | 4818.4 | 4818.4 | 4818.4 | 4818.4 | 4818.4 | 4818.4 | 4818.4 | 4818.4 | 4818.4 |
| 4827.5 | 2.5° | 4836.6 | 4843.4 | 4866.1 | 4872.9 | 4888.7 | 4909.2 | 4922.8 | 4936.4 | 4936.4 | 4950.0 |
| 4900.1 | 5° | 4902.4 | 4918.2 | 4965.9 | 4990.8 | 5031.7 | 5072.5 | 5097.4 | 5126.9 | 5145.1 | 5154.2 |
| 5015.8 | 7.5° | 5029.4 | 5054.3 | 5122.4 | 5165.5 | 5235.8 | 5292.5 | 5331.1 | 5371.9 | 5381.0 | 5406.0 |
| 5176.8 | 10° | 5201.8 | 5231.3 | 5308.4 | 5390.1 | 5474.0 | 5544.4 | 5580.7 | 5610.1 | 5621.5 | 5626.0 |
| 5383.3 | 12.5° | 5399.2 | 5442.3 | 5542.1 | 5641.9 | 5730.4 | 5791.6 | 5800.7 | 5793.9 | 5762.1 | 5734.9 |
| 5637.4 | 15° | 5641.9 | 5680.5 | 5791.6 | 5900.5 | 5986.7 | 5998.1 | 5941.4 | 5905.1 | 5866.5 | 5859.7 |
| 5920.9 | 17.5° | 5932.3 | 5952.7 | 6054.8 | 6161.4 | 6168.2 | 6129.6 | 6045.7 | 6011.7 | 5975.4 | 5950.4 |
| 6290.7 | 20° | 6270.3 | 6263.5 | 6336.1 | 6381.5 | 6333.8 | 6215.8 | 6088.8 | 6032.1 | 5995.8 | 5966.3 |
| 6744.4 | 22.5° | 6674.1 | 6621.9 | 6612.8 | 6601.5 | 6474.5 | 6227.2 | 6054.8 | 5982.2 | 5925.5 | 5884.6 |
| 7377.3 | 25° | 7261.7 | 7062.0 | 6923.6 | 6846.5 | 6560.7 | 6165.9 | 5945.9 | 5784.8 | 5678.2 | 5607.9 |
| 8150.9 | 27.5° | 7996.7 | 7660.9 | 7311.6 | 7123.3 | 6560.7 | 6041.2 | 5682.7 | 5421.9 | 5247.2 | 5174.6 |
| 8899.6 | 30° | 8697.6 | 8346.0 | 7831.1 | 7456.7 | 6544.8 | 5837.0 | 5258.5 | 4895.5 | 4691.4 | 4618.8 |
| 9539.3 | 32.5° | 9296.5 | 8913.2 | 8382.3 | 7822.0 | 6506.2 | 5505.8 | 4732.2 | 4330.7 | 4133.3 | 4047.1 |
| 10172.2 | 35° | 9852.3 | 9444.0 | 8935.8 | 8223.5 | 6404.1 | 5020.3 | 4153.7 | 3847.5 | 3627.4 | 3489.0 |
| 10816.5 | 37.5° | 10421.8 | 9936.3 | 9459.9 | 8586.5 | 6220.4 | 4453.2 | 3709.1 | 3448.2 | 3189.6 | 3003.6 |
| 11501.6 | 40° | 11041.1 | 10460.3 | 10020.2 | 8802.0 | 5918.7 | 3913.3 | 3364.3 | 3126.1 | 2851.6 | 2654.2 |
| 12291.0 | 42.5° | 11764.7 | 11088.7 | 10644.1 | 8913.2 | 5505.8 | 3529.9 | 3139.7 | 2906.0 | 2647.4 | 2486.3 |
| 13137.2 | 45° | 12520.2 | 11780.6 | 11213.5 | 8910.9 | 5045.3 | 3350.7 | 3067.1 | 2835.7 | 2549.9 | 2382.0 |
| 14006.1 | 47.5° | 13311.9 | 12504.3 | 11705.8 | 8765.7 | 4646.0 | 3375.6 | 3026.3 | 2683.7 | 2368.4 | 2205.0 |
| 14884.0 | 50° | 14105.9 | 13296.0 | 12182.2 | 8493.5 | 4475.9 | 3321.2 | 2874.3 | 2470.5 | 2098.4 | 1951.0 |
| 15707.5 | 52.5° | 14893.1 | 14137.6 | 12592.8 | 8105.6 | 4303.5 | 3119.3 | 2679.2 | 2193.7 | 1987.3 | 1885.2 |
| 16558.2 | 55° | 15684.8 | 14970.2 | 13039.7 | 7540.7 | 3872.4 | 2883.3 | 2352.5 | 2089.3 | 1898.8 | 1805.8 |
| 17390.8 | 57.5° | 16478.8 | 15932.1 | 13463.9 | 6975.8 | 3330.2 | 2593.0 | 2173.3 | 1962.3 | 1810.3 | 1730.9 |
| 18087.2 | 60° | 17304.6 | 17032.3 | 13901.7 | 6456.3 | 2794.9 | 2220.9 | 2041.7 | 1860.2 | 1706.0 | 1617.5 |
| 18756.4 | 62.5° | 18155.3 | 18243.7 | 14244.3 | 5787.1 | 2302.6 | 1994.1 | 1923.7 | 1737.7 | 1588.0 | 1504.1 |
| 19310.0 | 65° | 19012.8 | 19412.0 | 14468.9 | 4859.2 | 1867.0 | 1778.5 | 1796.7 | 1603.9 | 1451.9 | 1379.3 |
| 19716.0 | 67.5° | 19659.3 | 20253.7 | 14405.3 | 3677.3 | 1531.3 | 1574.4 | 1637.9 | 1463.2 | 1320.3 | 1263.6 |
| 19650.2 | 70° | 19731.9 | 20153.9 | 13779.2 | 2518.1 | 1281.7 | 1374.7 | 1461.0 | 1324.8 | 1177.4 | 1136.5 |
| 18724.7 | 72.5° | 18765.5 | 18792.7 | 12034.7 | 1644.7 | 1084.4 | 1206.9 | 1274.9 | 1184.2 | 1041.3 | 1000.4 |
| 16381.3 | 75° | 16231.5 | 15541.9 | 8836.0 | 1084.4 | 907.4 | 1036.7 | 1100.3 | 1036.7 | 898.3 | 907.4 |
| 12257.0 | 77.5° | 12297.8 | 11007.0 | 5365.1 | 771.3 | 757.7 | 871.1 | 957.3 | 912.0 | 794.0 | 891.5 |
| 6163.7 | 80° | 6336.1 | 5955.0 | 2393.3 | 576.2 | 598.9 | 696.4 | 787.2 | 728.2 | 628.4 | 598.9 |
| 1377.0 | 82.5° | 1451.9 | 1687.8 | 943.7 | 412.9 | 433.3 | 501.4 | 601.2 | 546.7 | 451.4 | 381.1 |
| 573.9 | 85° | 508.2 | 555.8 | 417.4 | 258.6 | 254.1 | 313.1 | 408.3 | 365.2 | 306.3 | 245.0 |
| 242.7 | 87.5° | 161.1 | 211.0 | 156.5 | 104.4 | 108.9 | 140.7 | 188.3 | 172.4 | 142.9 | 93.0 |
| 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° |
|--------|
| 4818.4 |
| 4950.0 |
| 5158.7 |
| 5396.9 |
| 5614.7 |
| 5734.9 |
| 5859.7 |
| 5952.7 |
| 5968.6 |
| 5898.2 |
| 5635.1 |
| 5210.9 |
| 4661.9 |
| 4090.2 |
| 3534.4 |
| 3053.5 |
| 2692.8 |
| 2518.1 |
| 2409.2 |
| 2227.7 |
| 1960.0 |
| 1885.2 |
| 1796.7 |
| 1717.3 |
| 1610.7 |
| 1501.8 |
| 1377.0 |
| 1265.9 |
| 1138.8 |
| 998.2 |
| 875.7 |
| 784.9 |
| 546.7 |
| 376.6 |
| 258.6 |
| 97.5 |
| 0.0 |

F REPORT)