

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: P954524

Luminaire Tested: **GLAN-SB7D-730-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954524
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7D-730-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 61273 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G5

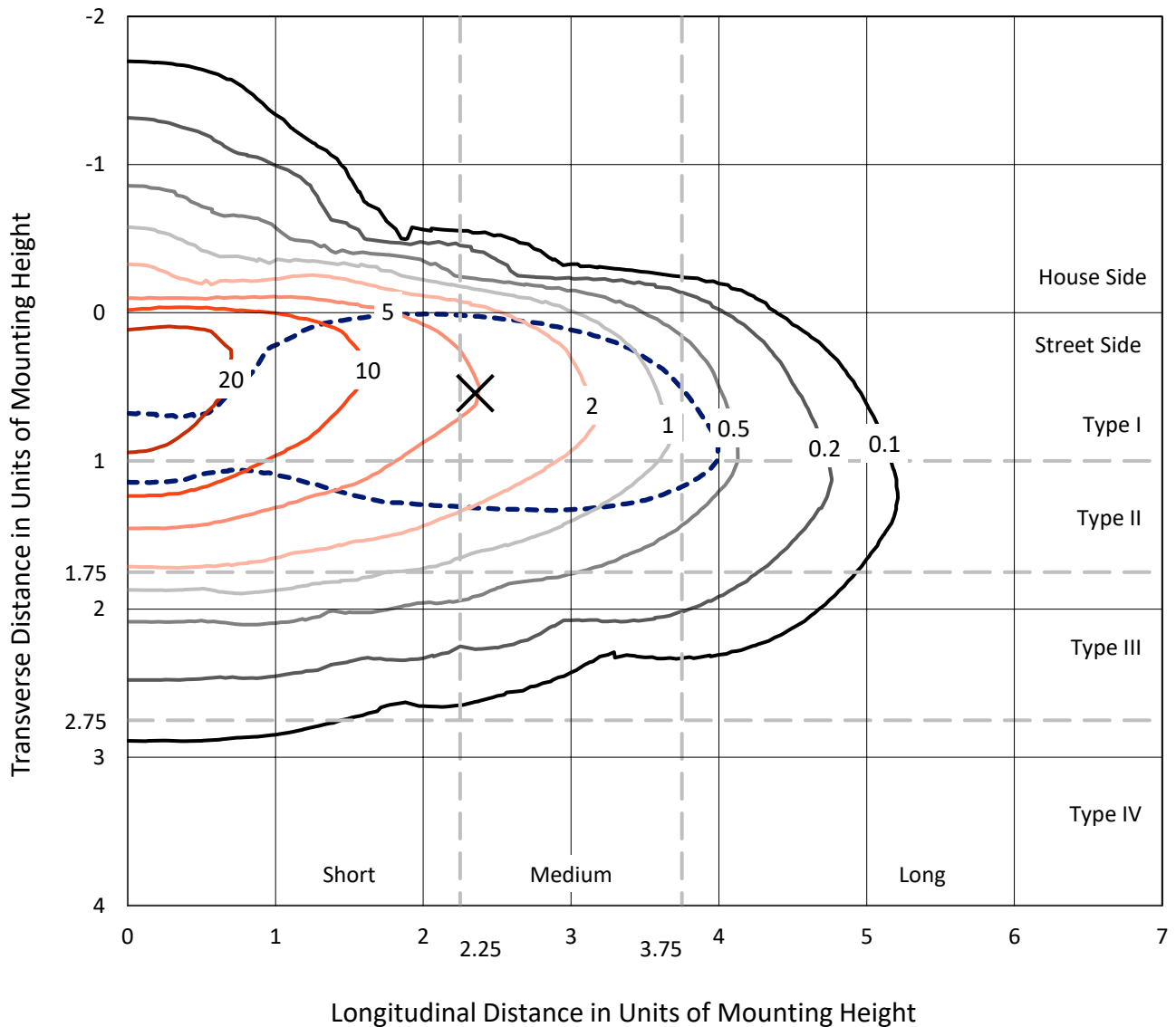
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P954524
 CATALOG NUMBER: GLAN-SB7D-730-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

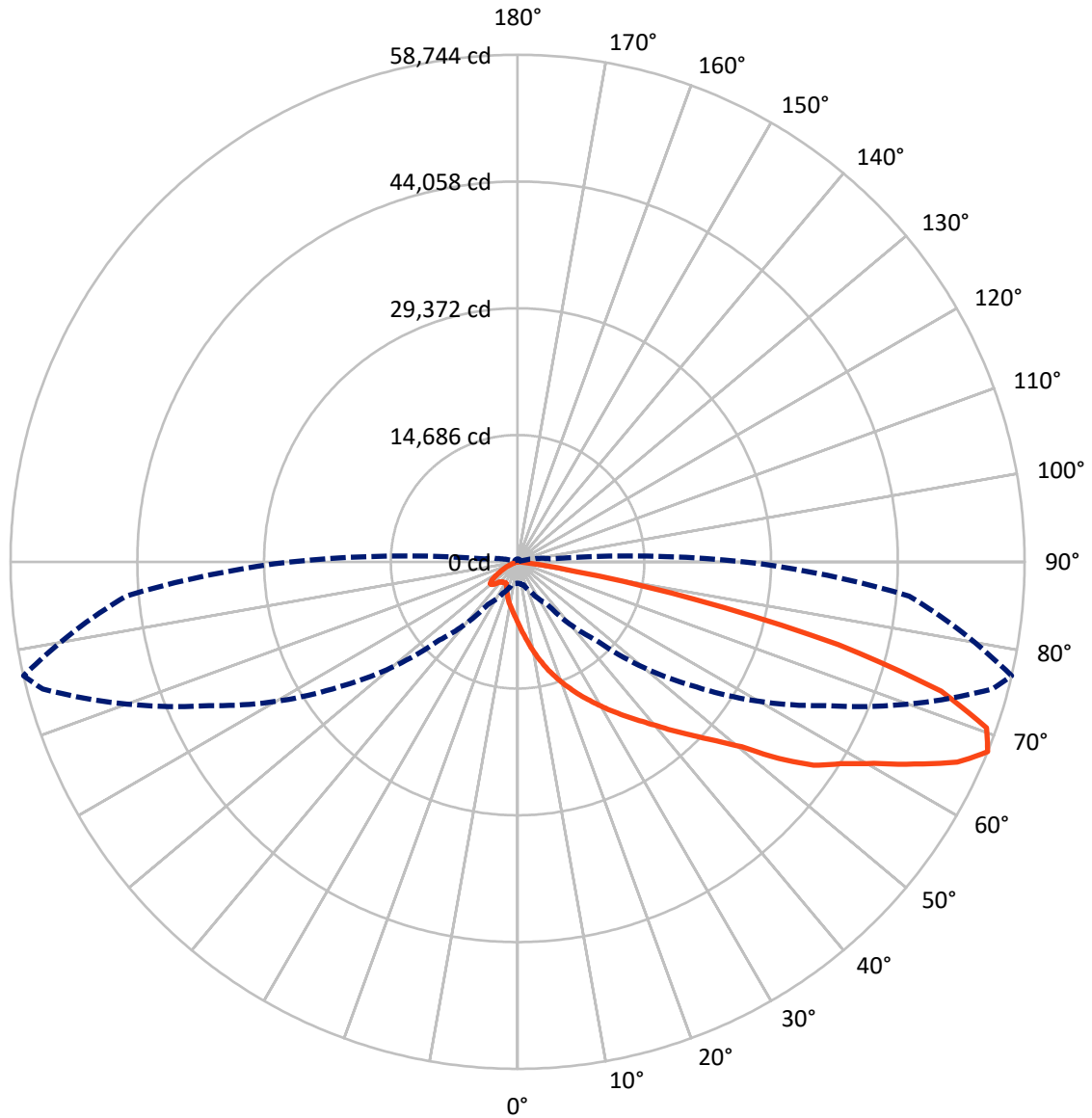
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 26.4 fc
 Type II - Medium - N/A

REPORT NUMBER: P954524
CATALOG NUMBER: GLAN-SB7D-730-U-T2R-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P954524
 CATALOG NUMBER: GLAN-SB7D-730-U-T2R-HSS

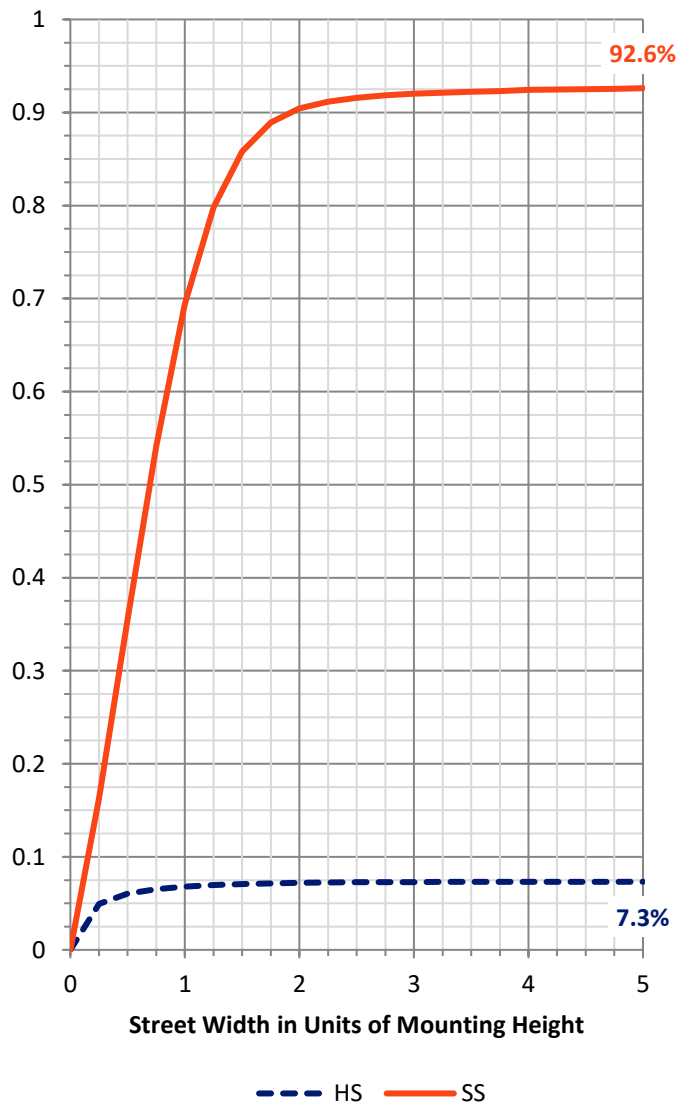
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 4507.9 | 0.0 | 4507.9 |
| | % Fixture | 7.4 | 0.0 | 7.4 |
| Street Side | Lumens | 56765.1 | 0.0 | 56765.1 |
| | % Fixture | 92.6 | 0.0 | 92.6 |
| Total | Lumens | 61273.0 | 0.0 | 61273.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 721.2 | 1.2 |
| 10°-20° | 2525.4 | 4.1 |
| 20°-30° | 4873.4 | 8.0 |
| 30°-40° | 8460.5 | 13.8 |
| 40°-50° | 12284.2 | 20.0 |
| 50°-60° | 14106.9 | 23.0 |
| 60°-70° | 12247.4 | 20.0 |
| 70°-80° | 5768.7 | 9.4 |
| 80°-90° | 285.3 | 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° | 61273.0 | 100.0 |
| 0°-180° | 61273.0 | 100.0 |

Coefficient of Utilization

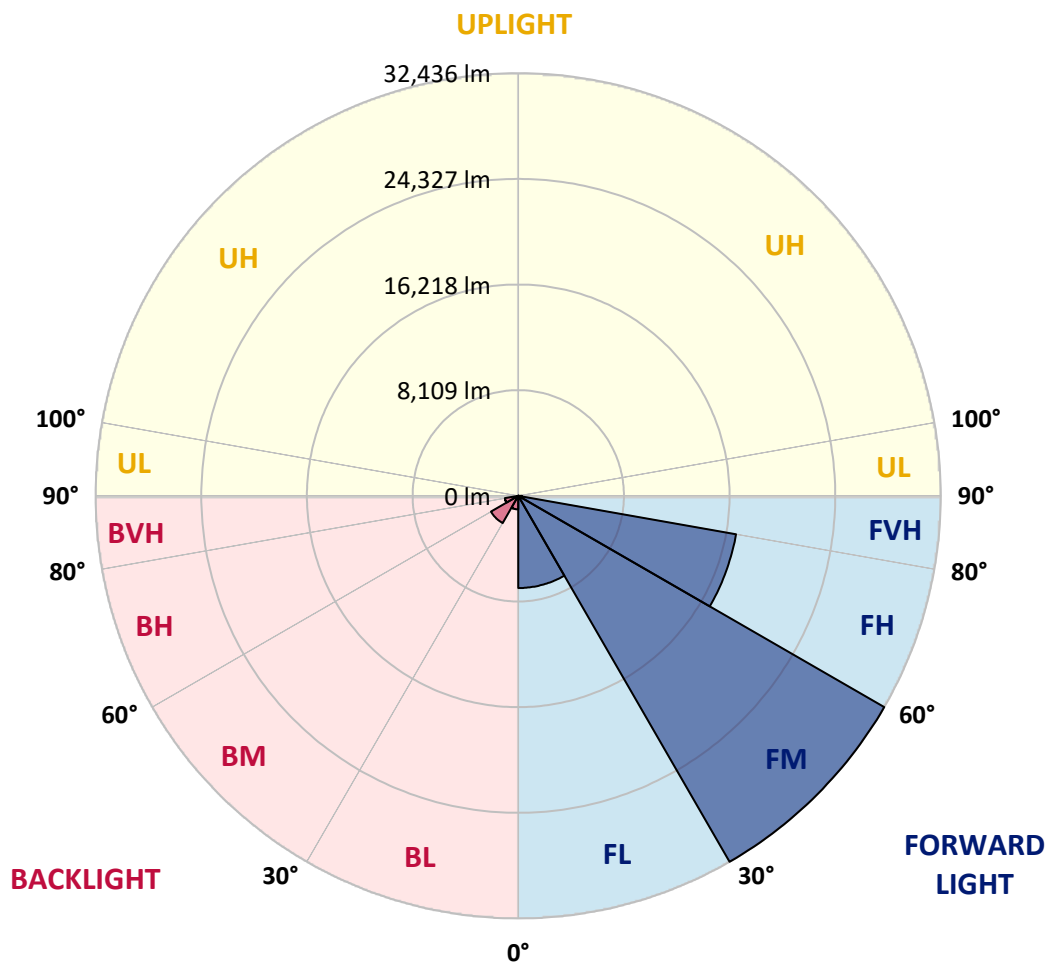


REPORT NUMBER: P954524
 CATALOG NUMBER: GLAN-SB7D-730-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 7076.4 | 11.5 | | | |
| FM (30°-60°) | 32436.3 | 52.9 | | | |
| FH (60°-80°) | 16972.4 | 27.7 | | | G5 |
| FVH (80°-90°) | 280.0 | 0.5 | | | G3/500 |
| BL (0°-30°) | 1043.6 | 1.7 | B3/2500 | | |
| BM (30°-60°) | 2415.4 | 3.9 | B2/2500 | | |
| BH (60°-80°) | 1043.6 | 1.7 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 5.2 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G5
 Type II Medium



REPORT NUMBER: P954524
 CATALOG NUMBER: GLAN-SB7D-730-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 77° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 7065.7 | 7065.7 | 7065.7 | 7065.7 | 7065.7 | 7065.7 | 7065.7 | 7065.7 | 7065.7 | 7065.7 |
| 2.5° | 9782.4 | 9843.2 | 9755.7 | 9588.3 | 9337.2 | 9173.6 | 8774.1 | 8397.4 | 7978.9 | 7845.7 |
| 5° | 11924.5 | 11977.8 | 11878.9 | 11696.2 | 11361.4 | 11041.8 | 10516.7 | 9729.1 | 8911.0 | 8648.5 |
| 7.5° | 13511.2 | 13541.6 | 13503.5 | 13336.1 | 13016.5 | 12655.1 | 12069.1 | 11136.9 | 9923.1 | 9634.0 |
| 10° | 14652.6 | 14751.6 | 14740.1 | 14675.5 | 14462.4 | 14169.4 | 13545.4 | 12483.8 | 11057.0 | 10684.1 |
| 12.5° | 15409.8 | 15520.1 | 15584.8 | 15729.4 | 15718.0 | 15531.6 | 14983.7 | 13861.2 | 12187.1 | 11749.5 |
| 15° | 15630.5 | 15748.4 | 15995.8 | 16330.6 | 16627.4 | 16722.5 | 16338.2 | 15211.9 | 13431.3 | 12871.9 |
| 17.5° | 15504.9 | 15687.6 | 15984.3 | 16513.2 | 17163.9 | 17593.8 | 17551.9 | 16517.0 | 14561.3 | 13922.1 |
| 20° | 15782.7 | 15957.7 | 16189.8 | 16635.0 | 17392.1 | 18172.1 | 18484.1 | 17765.0 | 15683.7 | 15014.1 |
| 22.5° | 17319.9 | 17289.4 | 17312.2 | 17384.5 | 17837.3 | 18609.7 | 19252.7 | 18898.9 | 16794.8 | 16109.9 |
| 25° | 19755.0 | 19618.0 | 19385.9 | 18994.0 | 18879.9 | 19252.7 | 19922.4 | 19903.4 | 17966.7 | 17232.3 |
| 27.5° | 22547.8 | 22524.9 | 21980.8 | 21037.2 | 20504.5 | 20360.0 | 20679.6 | 20881.2 | 19127.2 | 18343.4 |
| 30° | 25222.6 | 25283.5 | 24549.1 | 23499.0 | 22521.1 | 21954.2 | 21665.0 | 21809.6 | 20306.7 | 19541.9 |
| 32.5° | 27551.2 | 27615.9 | 26816.9 | 25587.9 | 24377.9 | 23693.0 | 23084.3 | 22726.6 | 21592.7 | 20759.5 |
| 35° | 29518.3 | 29583.0 | 28666.0 | 27307.7 | 26017.8 | 25397.6 | 24708.9 | 23731.1 | 22886.4 | 22110.2 |
| 37.5° | 31276.2 | 31257.2 | 30028.2 | 28658.4 | 27391.4 | 26900.6 | 26539.1 | 24967.7 | 24218.1 | 23468.6 |
| 40° | 32314.9 | 32394.8 | 31344.7 | 29834.1 | 28605.2 | 28247.5 | 28224.7 | 26501.0 | 25755.3 | 25028.6 |
| 42.5° | 32619.3 | 32760.1 | 31999.1 | 30758.7 | 29643.9 | 29255.8 | 29853.2 | 28160.0 | 27543.6 | 26835.9 |
| 45° | 32071.4 | 32208.4 | 31862.1 | 31002.2 | 30351.6 | 30100.5 | 31253.4 | 29879.8 | 29453.6 | 28753.5 |
| 47.5° | 30473.4 | 30644.6 | 30728.3 | 30545.6 | 30538.0 | 30793.0 | 32509.0 | 31690.9 | 31721.4 | 31006.0 |
| 50° | 27380.0 | 27669.1 | 28437.7 | 29084.6 | 30085.3 | 31340.9 | 33730.3 | 33654.2 | 34278.2 | 33661.8 |
| 52.5° | 21756.4 | 22167.3 | 24815.5 | 26584.8 | 28833.4 | 31238.1 | 35073.5 | 36804.7 | 38764.2 | 37862.4 |
| 55° | 17483.5 | 17483.5 | 19637.0 | 22947.3 | 26390.7 | 30560.9 | 35659.4 | 38851.7 | 41819.5 | 41606.5 |
| 57.5° | 14253.1 | 14424.3 | 15797.9 | 18723.9 | 22856.0 | 28947.6 | 36020.9 | 40137.8 | 44281.3 | 44125.3 |
| 60° | 8796.9 | 9166.0 | 11760.9 | 14648.8 | 18834.2 | 26074.9 | 35792.6 | 41439.0 | 47268.1 | 47393.7 |
| 62.5° | 4954.0 | 5090.9 | 6247.6 | 10539.5 | 14645.0 | 22212.9 | 34046.1 | 42165.8 | 51088.2 | 51620.9 |
| 65° | 3420.6 | 3489.1 | 3934.3 | 6559.6 | 10151.4 | 17685.1 | 30633.2 | 41713.0 | 54916.0 | 55992.7 |
| 67.5° | 2484.6 | 2518.8 | 2796.6 | 4006.5 | 6023.1 | 12822.5 | 25283.5 | 39430.1 | 56944.0 | 58743.7 |
| 70° | 1910.1 | 1932.9 | 2134.5 | 2633.0 | 3557.6 | 7914.2 | 18362.4 | 34890.8 | 55475.3 | 57625.0 |
| 72.5° | 1552.4 | 1575.2 | 1731.2 | 1948.1 | 2359.0 | 4680.0 | 11129.3 | 28335.0 | 48991.7 | 51312.7 |
| 75° | 1308.9 | 1339.3 | 1480.1 | 1620.9 | 1849.2 | 3005.9 | 5220.3 | 19732.2 | 36842.7 | 38364.7 |
| 77.5° | 726.7 | 669.7 | 1202.3 | 1343.1 | 1560.0 | 1902.4 | 2442.7 | 11612.5 | 20633.9 | 21056.3 |
| 80° | 452.8 | 468.0 | 955.0 | 1080.6 | 1198.5 | 958.8 | 1118.6 | 4470.7 | 7153.2 | 6795.5 |
| 82.5° | 26.6 | 60.9 | 734.3 | 780.0 | 821.9 | 410.9 | 422.3 | 1518.2 | 1723.6 | 1582.8 |
| 85° | 0.0 | 0.0 | 334.8 | 270.1 | 285.4 | 118.0 | 121.8 | 353.9 | 232.1 | 251.1 |
| 87.5° | 0.0 | 0.0 | 0.0 | 7.6 | 0.0 | 11.4 | 22.8 | 30.4 | 11.4 | 15.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P954524
 CATALOG NUMBER: GLAN-SB7D-730-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 7065.7 | 0° | 7065.7 | 7065.7 | 7065.7 | 7065.7 | 7065.7 | 7065.7 | 7065.7 | 7065.7 | 7065.7 | 7065.7 |
| 7427.1 | 2.5° | 7160.8 | 6894.5 | 6354.2 | 5825.3 | 5395.3 | 4995.8 | 4710.5 | 4440.3 | 4303.3 | 4295.7 |
| 7906.6 | 5° | 7377.7 | 6818.4 | 5737.8 | 4782.7 | 4014.2 | 3397.8 | 2998.3 | 2712.9 | 2568.3 | 2518.8 |
| 8496.3 | 7.5° | 7682.1 | 6841.2 | 5197.5 | 3869.6 | 2964.0 | 2435.1 | 2206.8 | 2115.5 | 2085.1 | 2050.8 |
| 9162.2 | 10° | 8066.4 | 6894.5 | 4714.3 | 3116.2 | 2336.2 | 2069.9 | 1978.5 | 1940.5 | 1917.7 | 1894.8 |
| 9911.7 | 12.5° | 8496.3 | 6943.9 | 4234.8 | 2587.3 | 2054.6 | 1917.7 | 1853.0 | 1807.3 | 1776.9 | 1750.2 |
| 10680.3 | 15° | 8914.9 | 6974.4 | 3736.4 | 2218.2 | 1910.1 | 1799.7 | 1731.2 | 1681.8 | 1639.9 | 1609.5 |
| 11433.7 | 17.5° | 9329.6 | 7016.2 | 3268.4 | 1997.6 | 1792.1 | 1681.8 | 1613.3 | 1552.4 | 1518.2 | 1483.9 |
| 12225.1 | 20° | 9790.0 | 7008.6 | 2827.0 | 1841.6 | 1674.2 | 1563.8 | 1491.5 | 1434.4 | 1400.2 | 1362.2 |
| 13062.2 | 22.5° | 10216.1 | 6970.6 | 2438.9 | 1708.4 | 1552.4 | 1445.9 | 1366.0 | 1308.9 | 1274.6 | 1244.2 |
| 13918.3 | 25° | 10707.0 | 6940.1 | 2115.5 | 1586.6 | 1438.2 | 1331.7 | 1244.2 | 1190.9 | 1152.9 | 1126.2 |
| 14778.2 | 27.5° | 11178.8 | 6894.5 | 1879.6 | 1476.3 | 1327.9 | 1225.2 | 1141.5 | 1080.6 | 1046.3 | 1027.3 |
| 15664.7 | 30° | 11643.0 | 6883.0 | 1792.1 | 1369.8 | 1229.0 | 1126.2 | 1042.5 | 985.5 | 958.8 | 951.2 |
| 16638.8 | 32.5° | 12202.3 | 6913.5 | 1830.2 | 1331.7 | 1137.7 | 1034.9 | 955.0 | 913.2 | 886.5 | 886.5 |
| 17723.2 | 35° | 12799.6 | 6905.9 | 1887.2 | 1366.0 | 1076.8 | 943.6 | 882.7 | 856.1 | 829.5 | 829.5 |
| 18925.5 | 37.5° | 13549.2 | 6917.3 | 1932.9 | 1423.0 | 1054.0 | 867.5 | 833.3 | 799.0 | 783.8 | 783.8 |
| 20242.0 | 40° | 14667.8 | 7294.0 | 1910.1 | 1472.5 | 1046.3 | 814.2 | 745.8 | 734.3 | 722.9 | 722.9 |
| 21729.7 | 42.5° | 16037.6 | 8112.0 | 1940.5 | 1476.3 | 1042.5 | 776.2 | 684.9 | 707.7 | 681.1 | 677.3 |
| 23407.7 | 45° | 17536.7 | 9006.2 | 2134.5 | 1396.4 | 1038.7 | 757.2 | 654.4 | 681.1 | 639.2 | 639.2 |
| 25352.0 | 47.5° | 19024.4 | 9892.7 | 2332.4 | 1282.2 | 1027.3 | 753.4 | 627.8 | 612.6 | 601.2 | 605.0 |
| 27886.0 | 50° | 21075.3 | 10615.6 | 2408.5 | 1126.2 | 1000.7 | 745.8 | 578.3 | 582.1 | 574.5 | 582.1 |
| 31458.8 | 52.5° | 23308.7 | 10767.8 | 2317.2 | 951.2 | 924.6 | 722.9 | 544.1 | 559.3 | 555.5 | 563.1 |
| 33973.8 | 55° | 24701.3 | 10604.2 | 1913.9 | 791.4 | 806.6 | 631.6 | 509.9 | 540.3 | 540.3 | 540.3 |
| 36431.8 | 57.5° | 26139.6 | 9907.9 | 1358.3 | 643.0 | 669.7 | 517.5 | 479.4 | 521.3 | 517.5 | 513.7 |
| 39392.0 | 60° | 27174.5 | 8781.7 | 894.1 | 528.9 | 532.7 | 426.1 | 445.2 | 490.8 | 487.0 | 468.0 |
| 42443.5 | 62.5° | 27946.9 | 7537.5 | 574.5 | 449.0 | 407.1 | 384.3 | 407.1 | 445.2 | 430.0 | 388.1 |
| 45030.9 | 65° | 27859.4 | 5813.9 | 441.4 | 384.3 | 334.8 | 334.8 | 353.9 | 388.1 | 342.4 | 274.0 |
| 45525.5 | 67.5° | 26234.7 | 3934.3 | 365.3 | 323.4 | 281.6 | 277.8 | 293.0 | 323.4 | 293.0 | 232.1 |
| 42991.4 | 70° | 23331.6 | 2572.1 | 293.0 | 251.1 | 224.5 | 205.5 | 235.9 | 277.8 | 247.3 | 186.4 |
| 36599.2 | 72.5° | 18936.9 | 1567.6 | 220.7 | 182.6 | 163.6 | 133.2 | 186.4 | 228.3 | 197.9 | 137.0 |
| 25450.9 | 75° | 12251.7 | 799.0 | 152.2 | 118.0 | 87.5 | 79.9 | 137.0 | 171.2 | 137.0 | 83.7 |
| 11292.9 | 77.5° | 4687.6 | 334.8 | 83.7 | 53.3 | 45.7 | 38.0 | 76.1 | 102.7 | 57.1 | 19.0 |
| 2187.8 | 80° | 901.8 | 140.8 | 41.9 | 26.6 | 22.8 | 15.2 | 11.4 | 7.6 | 0.0 | 0.0 |
| 388.1 | 82.5° | 156.0 | 45.7 | 15.2 | 7.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 76.1 | 85° | 53.3 | 7.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 26.6 | 87.5° | 19.0 | 0.0 | 0.0 | 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° |
| <hr/> |
| 7065.7 |
| 4288.1 |
| 2511.2 |
| 2043.2 |
| 1887.2 |
| 1742.6 |
| 1605.7 |
| 1480.1 |
| 1358.3 |
| 1240.4 |
| 1122.4 |
| 1027.3 |
| 947.4 |
| 886.5 |
| 829.5 |
| 783.8 |
| 722.9 |
| 673.5 |
| 639.2 |
| 605.0 |
| 582.1 |
| 563.1 |
| 540.3 |
| 513.7 |
| 468.0 |
| 380.5 |
| 266.3 |
| 224.5 |
| 178.8 |
| 129.4 |
| 72.3 |
| 15.2 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |
| 0.0 |

F REPORT)