

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: P947512

Luminaire Tested: **GLAN-SB2D-830-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947512
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-SB2D-830-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

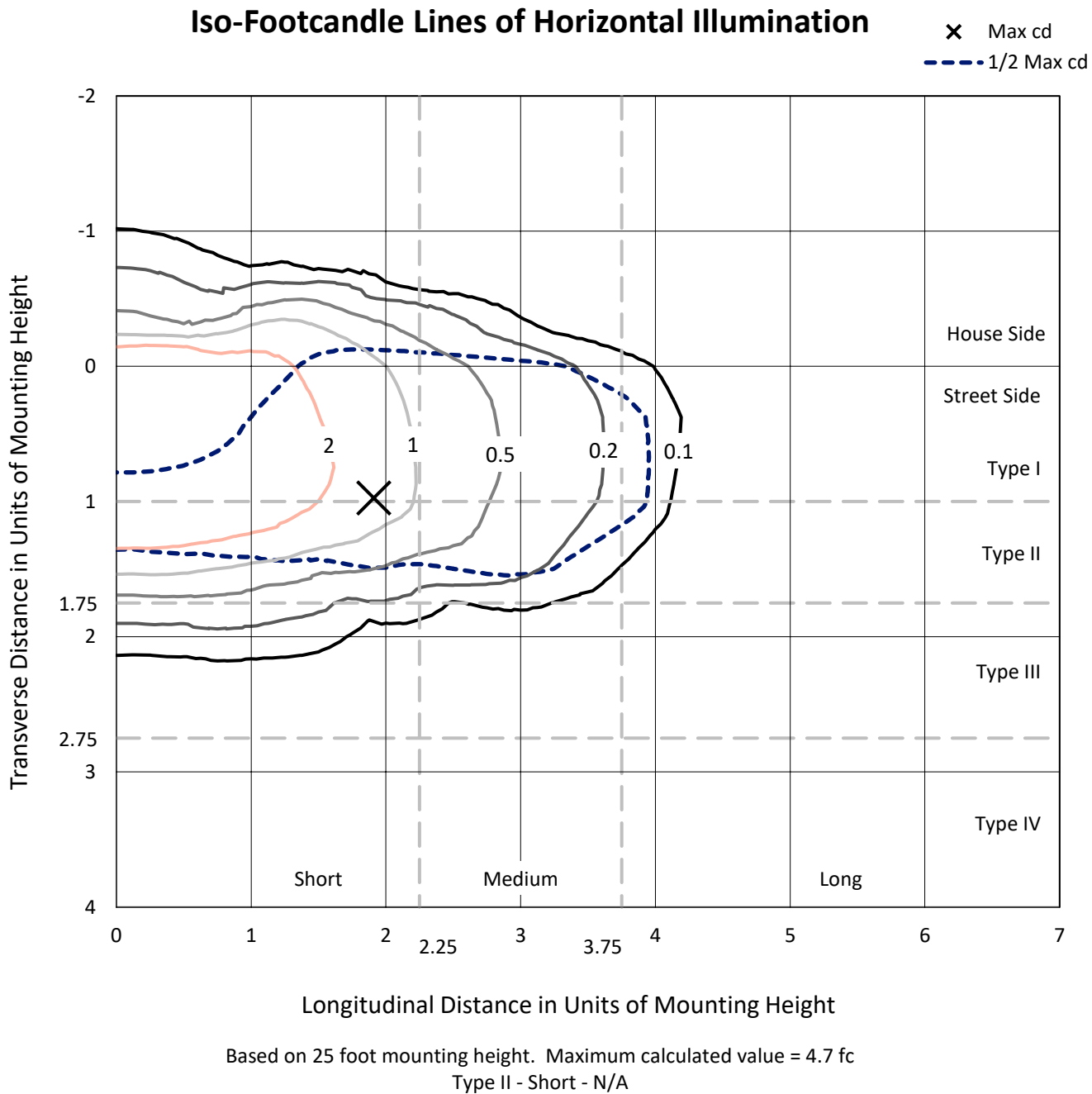
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13975 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 147.6
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

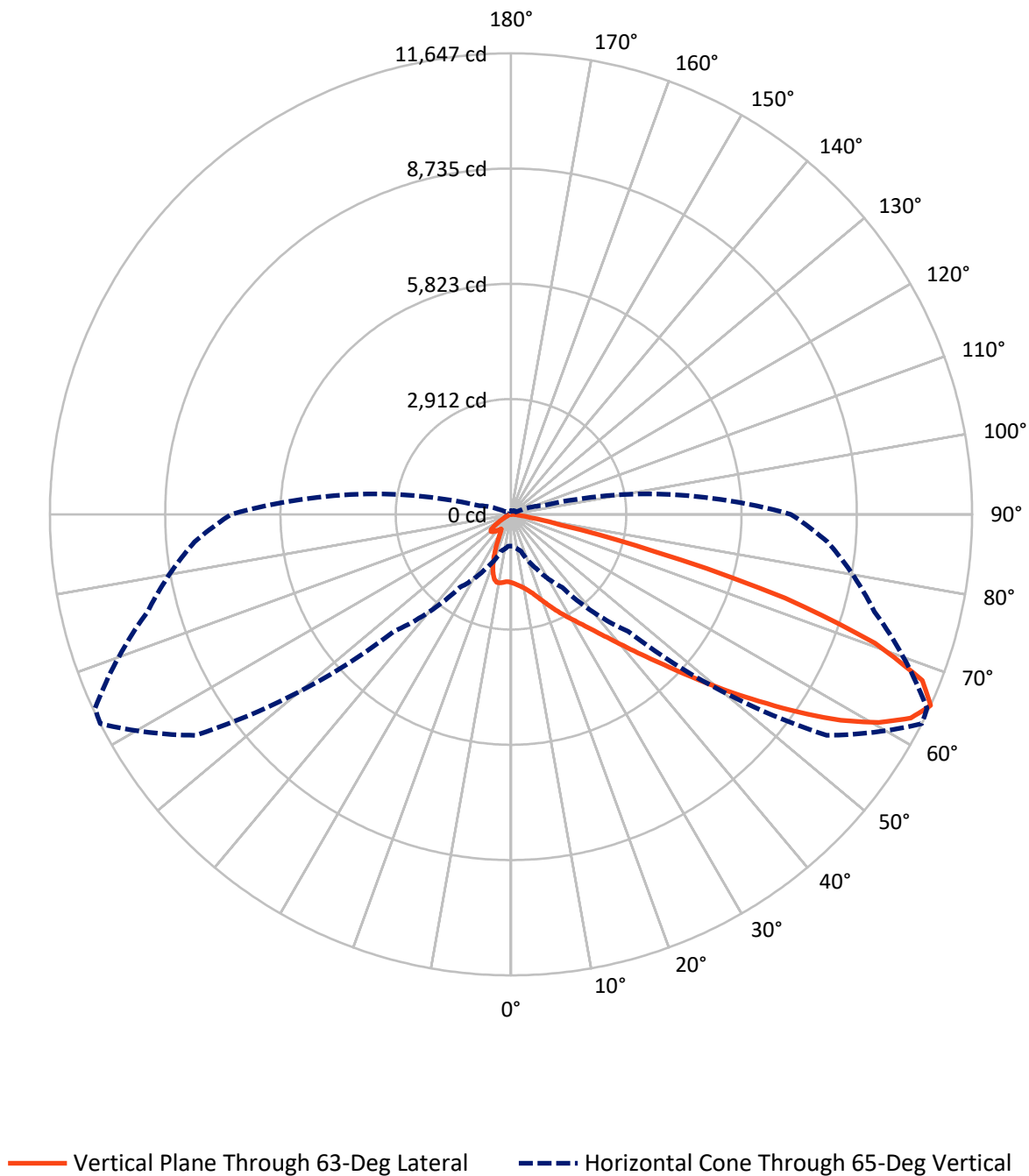


REPORT NUMBER: P947512
CATALOG NUMBER: GLAN-SB2D-830-U-T2U-HSS



REPORT NUMBER: P947512
CATALOG NUMBER: GLAN-SB2D-830-U-T2U-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P947512

CATALOG NUMBER: GLAN-SB2D-830-U-T2U-HSS

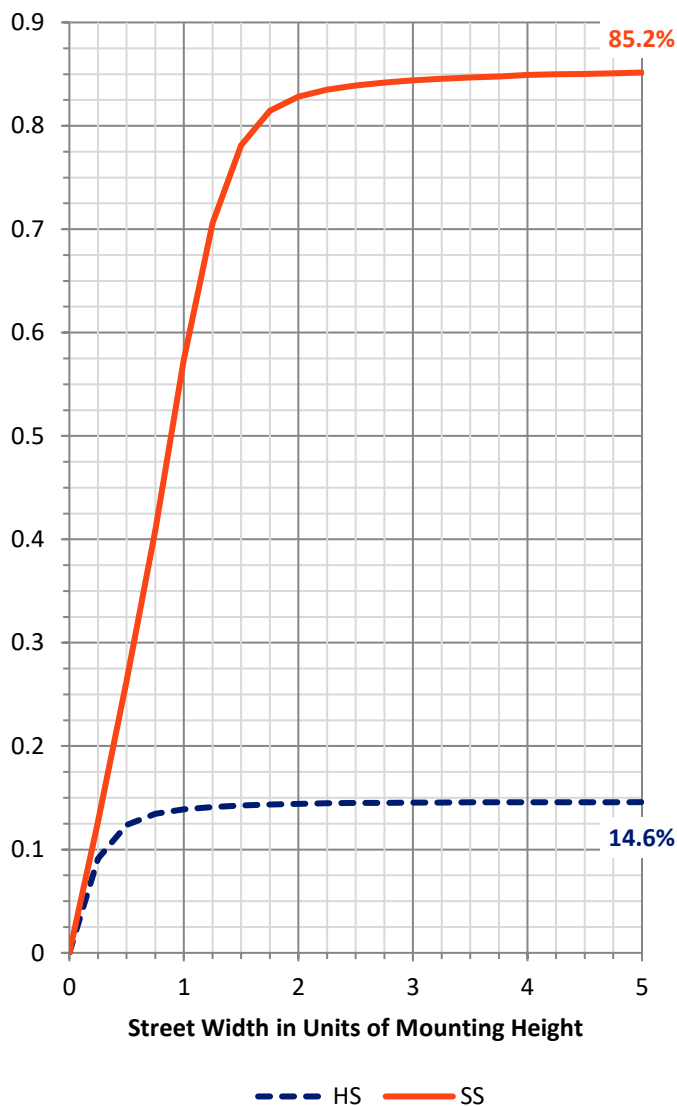
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2054.2	0.0	2054.2
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	11920.8	0.0	11920.8
	% Fixture	85.3	0.0	85.3
Total	Lumens	13975.0	0.0	13975.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.5	1.2
10°-20°	450.9	3.2
20°-30°	785.1	5.6
30°-40°	1415.1	10.1
40°-50°	2806.6	20.1
50°-60°	3823.1	27.4
60°-70°	3051.5	21.8
70°-80°	1380.9	9.9
80°-90°	99.3	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°	13975.0	100.0
0°-180°	13975.0	100.0

Coefficient of Utilization



REPORT NUMBER: P947512

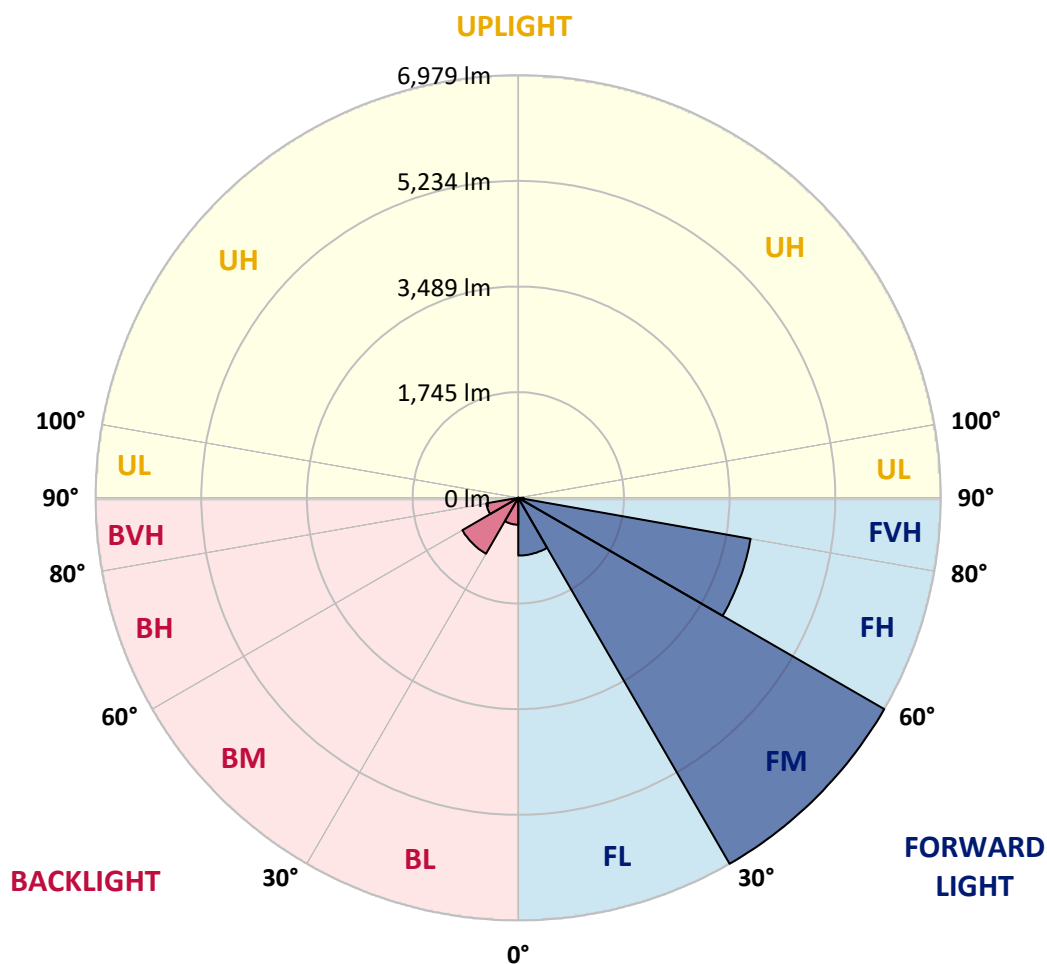
CATALOG NUMBER: GLAN-SB2D-830-U-T2U-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	954.0	6.8			
FM	(30°-60°)	6978.8	49.9			
FH	(60°-80°)	3896.2	27.9			G2/5000
FVH	(80°-90°)	91.9	0.7			G1/100
BL	(0°-30°)	444.6	3.2	B1/500		
BM	(30°-60°)	1066.0	7.6	B2/2500		
BH	(60°-80°)	536.3	3.8	B2/1000		G2/1000
BVH	(80°-90°)	7.4	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



REPORT NUMBER: P947512

CATALOG NUMBER: GLAN-SB2D-830-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	1724.8	1724.8	1724.8	1724.8	1724.8	1724.8	1724.8	1724.8	1724.8	1724.8
2.5°	1765.2	1760.4	1767.1	1764.2	1762.3	1758.4	1756.5	1754.6	1750.7	1747.9
5°	1770.0	1767.1	1773.8	1779.6	1785.3	1791.1	1794.0	1797.8	1794.0	1786.3
7.5°	1729.6	1727.7	1742.1	1759.4	1785.3	1807.5	1831.5	1845.0	1845.9	1843.0
10°	1726.7	1721.9	1736.3	1757.5	1791.1	1830.5	1872.8	1901.7	1905.5	1918.0
12.5°	1771.9	1767.1	1787.3	1810.3	1845.0	1886.3	1938.2	1978.6	1984.4	2001.7
15°	1847.8	1841.1	1864.2	1894.0	1938.2	1985.3	2040.1	2076.7	2081.5	2102.6
17.5°	1936.3	1929.6	1956.5	1988.2	2036.3	2100.7	2164.1	2204.5	2210.3	2223.8
20°	2049.7	2041.1	2062.2	2091.1	2142.0	2218.9	2294.9	2352.6	2351.6	2351.6
22.5°	2181.5	2168.0	2186.3	2209.3	2257.4	2350.7	2451.6	2519.9	2519.9	2492.9
25°	2322.8	2309.3	2329.5	2350.7	2393.0	2498.7	2617.0	2701.6	2705.4	2659.3
27.5°	2499.7	2482.4	2497.8	2522.8	2547.8	2655.4	2795.8	2893.9	2895.8	2824.6
30°	2840.0	2791.0	2742.9	2716.0	2727.5	2834.3	2984.2	3092.9	3102.5	3004.4
32.5°	3463.0	3453.4	3284.2	3063.1	2947.7	3026.5	3194.8	3325.5	3331.3	3205.4
35°	4431.2	4419.6	4147.5	3726.4	3350.5	3284.2	3450.5	3605.3	3601.5	3459.2
37.5°	5586.8	5576.2	5217.6	4654.2	4045.6	3673.6	3780.3	3942.8	3966.8	3780.3
40°	6574.2	6534.7	6307.8	5764.6	4968.6	4319.6	4249.5	4357.1	4382.1	4161.0
42.5°	7322.1	7288.5	7173.1	6833.7	6085.8	5275.3	4802.3	4843.6	4871.5	4606.1
45°	7709.6	7701.9	7748.0	7716.3	7224.1	6448.2	5592.6	5420.5	5431.0	5099.3
47.5°	7764.4	7760.5	7971.1	8269.1	8202.8	7771.1	6606.8	6139.6	6102.1	5656.0
50°	7441.4	7433.7	7837.5	8396.0	8856.6	8882.5	7758.6	6950.1	6867.4	6231.9
52.5°	6409.8	6407.8	7071.2	8000.9	9086.3	9855.5	8896.9	7840.3	7701.9	6841.4
55°	4932.1	4967.6	5728.1	6827.0	8667.2	10323.7	9918.9	8828.7	8616.2	7454.8
57.5°	3493.8	3545.7	4297.5	5276.2	7367.3	10046.8	10610.2	9818.9	9590.1	8066.3
60°	1876.7	1922.8	2675.6	3843.7	5481.0	9014.2	10974.6	10678.4	10462.1	8647.0
62.5°	1118.1	1133.5	1445.0	2481.4	3707.2	6886.6	10819.8	11333.2	11155.3	9134.4
65°	802.8	805.7	962.4	1515.2	2250.7	4184.1	9734.3	11646.6	11591.8	9501.7
67.5°	675.9	674.0	739.3	1006.6	1533.5	2095.9	7460.6	11203.4	11436.0	9734.3
70°	579.7	582.6	659.5	737.4	1152.7	1186.4	3709.1	9754.5	10250.6	9795.9
72.5°	431.7	441.3	512.4	672.0	870.1	816.2	1280.6	7232.7	8129.7	9229.6
75°	304.8	309.6	360.5	565.3	649.0	594.2	653.8	3738.9	4888.8	7076.0
77.5°	234.6	243.2	273.0	395.1	639.3	417.3	399.9	1294.1	1988.2	4274.5
80°	126.9	142.3	197.1	285.5	449.0	295.2	198.1	515.3	674.0	1998.8
82.5°	65.4	73.1	137.5	205.7	255.7	257.7	98.1	214.4	277.8	617.2
85°	26.0	31.7	92.3	113.4	131.7	126.9	44.2	86.5	100.0	171.1
87.5°	5.8	9.6	33.6	26.0	25.0	26.9	10.6	20.2	19.2	20.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P947512

CATALOG NUMBER: GLAN-SB2D-830-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1724.8	0°	1724.8	1724.8	1724.8	1724.8	1724.8	1724.8	1724.8	1724.8	1724.8	1724.8
1736.3	2.5°	1735.4	1731.5	1720.9	1709.4	1695.9	1688.2	1683.4	1682.5	1675.7	1670.9
1774.8	5°	1764.2	1760.4	1740.2	1716.1	1690.2	1670.0	1650.8	1633.4	1608.4	1603.6
1830.5	7.5°	1821.9	1811.3	1778.6	1745.9	1696.9	1638.3	1567.1	1485.4	1412.3	1390.2
1904.6	10°	1893.0	1878.6	1837.3	1779.6	1670.9	1511.3	1339.3	1179.7	1052.7	1017.2
1992.1	12.5°	1973.8	1961.3	1906.5	1799.8	1562.3	1272.9	1009.5	811.4	688.4	657.6
2085.3	15°	2069.9	2051.7	1975.7	1769.0	1368.1	967.2	693.2	575.9	531.7	525.9
2192.0	17.5°	2171.8	2142.0	2037.2	1658.4	1106.6	687.4	535.5	501.9	482.6	476.9
2299.7	20°	2265.1	2226.6	2073.8	1491.2	826.8	535.5	479.7	457.6	440.3	433.6
2407.4	22.5°	2358.4	2303.6	2073.8	1263.3	620.1	474.9	440.3	420.1	399.9	391.3
2522.8	25°	2455.5	2382.4	2037.2	1009.5	499.0	435.5	402.8	380.7	363.4	352.8
2632.4	27.5°	2549.7	2448.7	1953.6	769.1	444.2	400.9	368.2	347.1	330.7	323.0
2751.6	30°	2639.1	2514.1	1836.3	583.6	408.6	367.3	336.5	318.2	301.9	294.2
2906.4	32.5°	2760.2	2596.8	1711.3	478.8	377.8	335.5	307.7	290.3	275.9	270.2
3107.3	35°	2928.5	2718.9	1603.6	470.1	351.9	309.6	281.7	265.4	250.9	246.1
3366.9	37.5°	3166.9	2916.0	1546.9	527.8	330.7	286.5	260.5	243.2	229.8	225.9
3696.6	40°	3461.1	3183.2	1577.7	585.5	316.3	266.3	241.3	224.0	212.5	207.7
4075.4	42.5°	3810.1	3513.0	1747.9	629.7	306.7	249.0	223.0	203.8	196.1	194.2
4505.2	45°	4211.0	3875.5	2008.4	676.8	291.3	232.7	204.8	190.4	184.6	183.6
4972.4	47.5°	4666.7	4273.5	2310.3	735.5	275.9	217.3	190.4	180.7	175.9	174.0
5459.9	50°	5118.6	4674.4	2620.8	768.2	263.4	202.9	178.8	171.1	167.3	166.3
5975.2	52.5°	5591.6	5086.8	2871.7	737.4	252.9	191.3	169.2	163.4	159.6	158.6
6450.1	55°	6042.5	5420.5	2915.0	625.9	231.7	179.8	158.6	155.7	150.9	150.9
6931.8	57.5°	6430.9	5587.7	2609.3	459.6	210.5	162.5	148.1	145.2	141.3	140.4
7366.4	60°	6787.6	5539.7	2014.2	309.6	187.5	145.2	134.6	132.7	128.8	124.0
7744.2	62.5°	6988.5	5328.2	1377.7	201.9	164.4	126.9	119.2	118.3	109.6	100.0
8024.0	65°	7064.5	4893.6	859.5	147.1	137.5	108.6	102.9	100.9	88.5	77.9
8182.6	67.5°	6998.1	4178.3	433.6	116.3	108.6	90.4	84.6	84.6	76.0	66.3
8173.0	70°	6732.8	3132.3	182.7	93.3	83.6	69.2	69.2	73.1	64.4	53.8
7749.0	72.5°	6156.9	2107.4	97.1	71.1	62.5	49.0	56.7	59.6	51.0	40.4
6342.5	75°	4894.6	1285.4	67.3	52.9	39.4	34.6	43.3	45.2	34.6	26.9
4348.5	77.5°	3347.6	738.4	45.2	33.6	25.0	20.2	29.8	27.9	18.3	12.5
1676.7	80°	1470.0	307.7	26.0	15.4	9.6	7.7	10.6	7.7	5.8	3.8
229.8	82.5°	172.1	72.1	9.6	5.8	3.8	1.9	1.0	0.0	0.0	0.0
70.2	85°	35.6	8.7	4.8	1.9	1.0	0.0	0.0	0.0	0.0	0.0
12.5	87.5°	6.7	1.9	1.0	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°
1724.8
1675.7
1601.7
1379.6
1003.7
649.0
520.1
474.0
429.8
386.5
349.0
323.0
295.2
270.2
246.1
225.0
206.7
194.2
182.7
174.0
166.3
158.6
150.0
139.4
123.1
98.1
76.9
65.4
52.9
40.4
26.0
13.5
3.8
0.0
0.0
0.0
0.0