

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: P953218

Luminaire Tested: **GLAN-SB6D-830-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953218
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6D-830-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42317 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

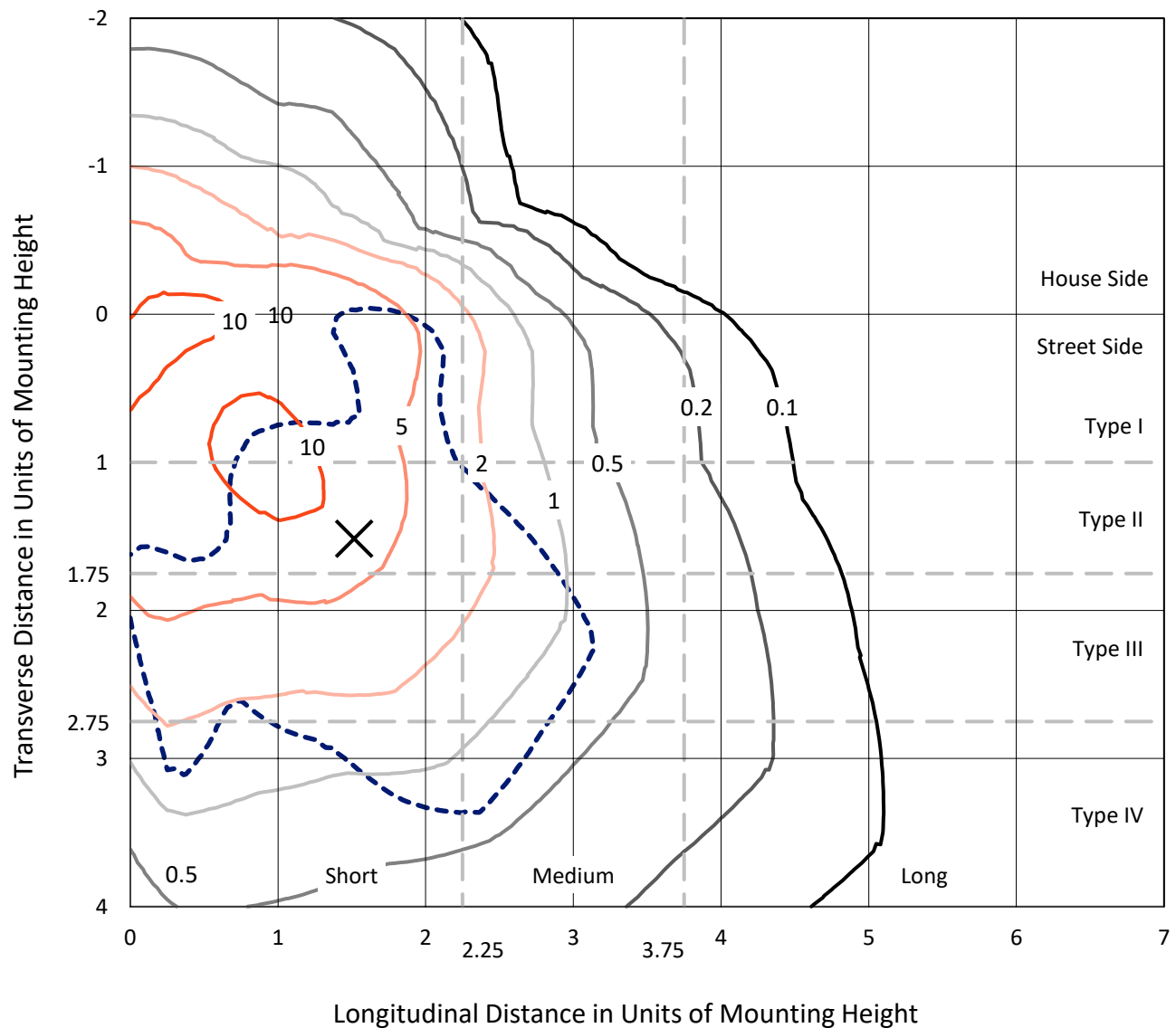
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P953218
CATALOG NUMBER: GLAN-SB6D-830-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

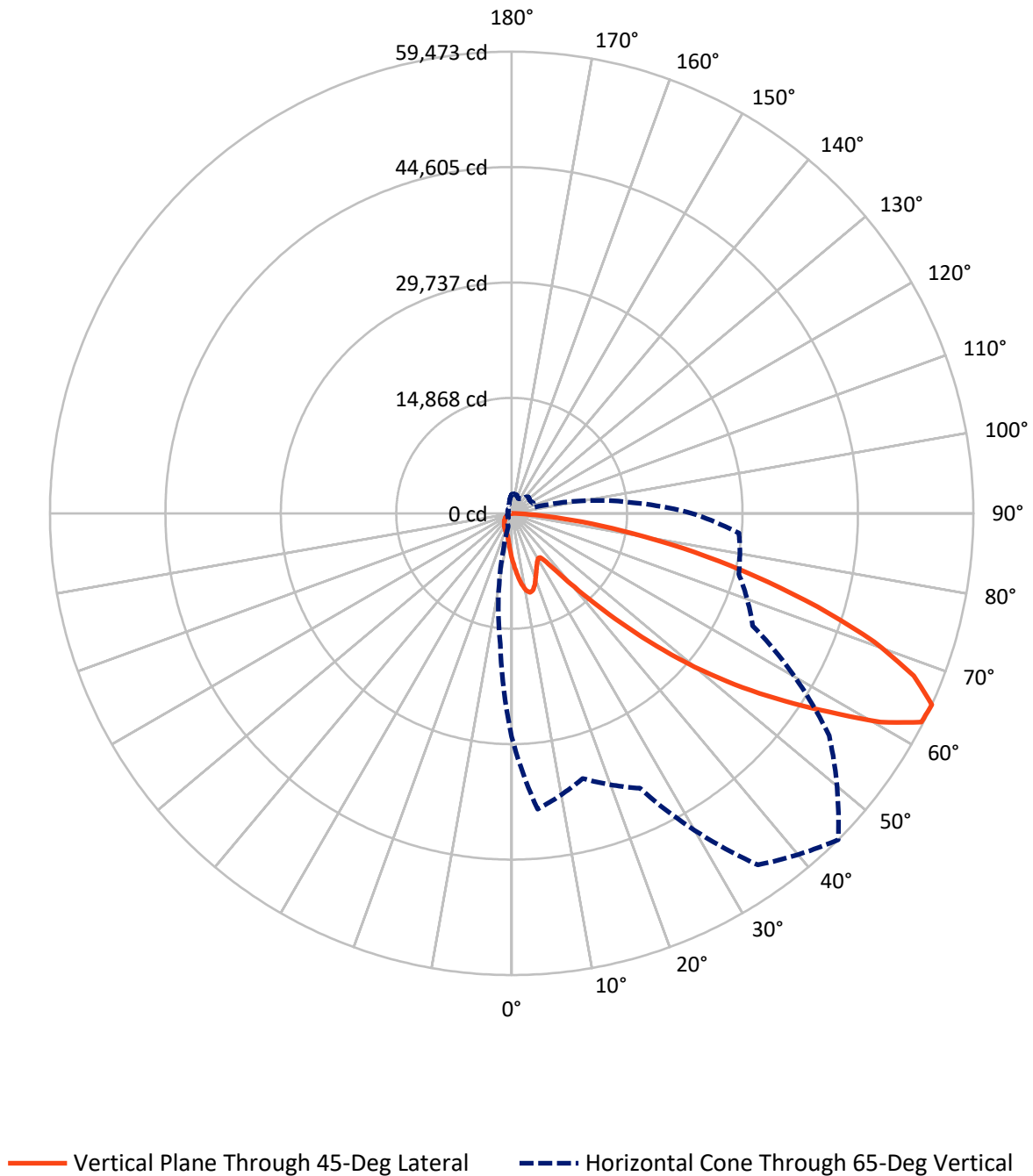
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.4 fc
Type IV - Short - N/A

REPORT NUMBER: P953218
CATALOG NUMBER: GLAN-SB6D-830-U-SLL-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P953218

CATALOG NUMBER: GLAN-SB6D-830-U-SLL-HSS

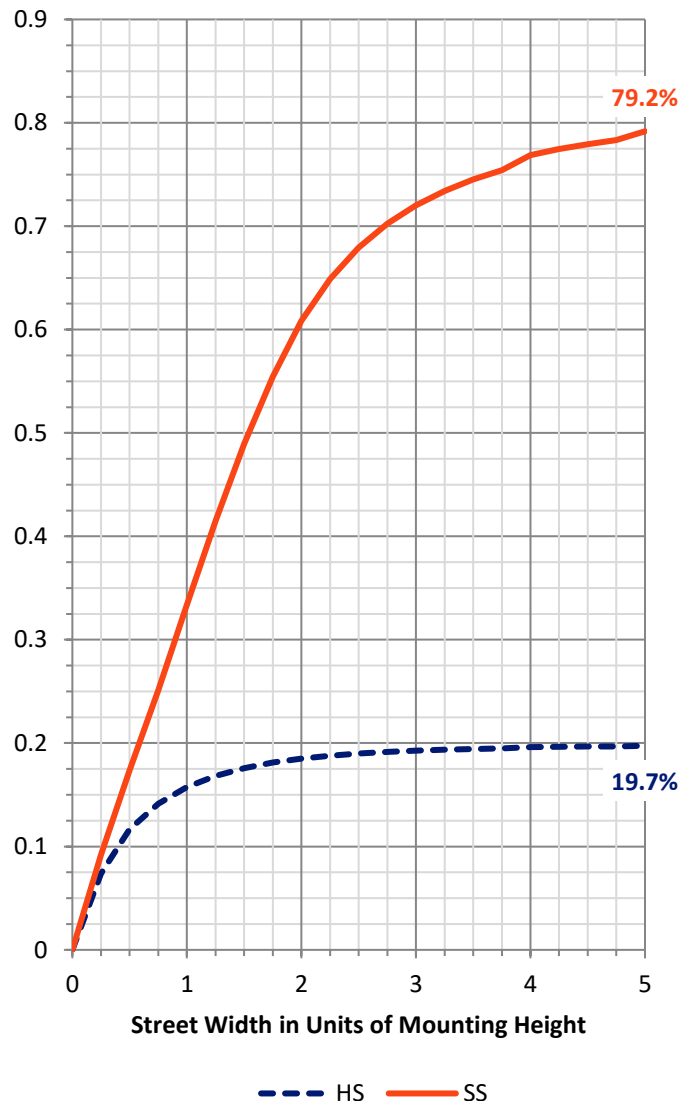
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8411.3	0.0	8411.3
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	33905.7	0.0	33905.7
	% Fixture	80.1	0.0	80.1
Total	Lumens	42317.0	0.0	42317.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	576.9	1.4
10°-20°	1729.3	4.1
20°-30°	2547.7	6.0
30°-40°	3273.1	7.7
40°-50°	5293.6	12.5
50°-60°	9282.8	21.9
60°-70°	11615.3	27.4
70°-80°	6787.4	16.0
80°-90°	1211.0	2.9
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°	42317.0	100.0
0°-180°	42317.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953218

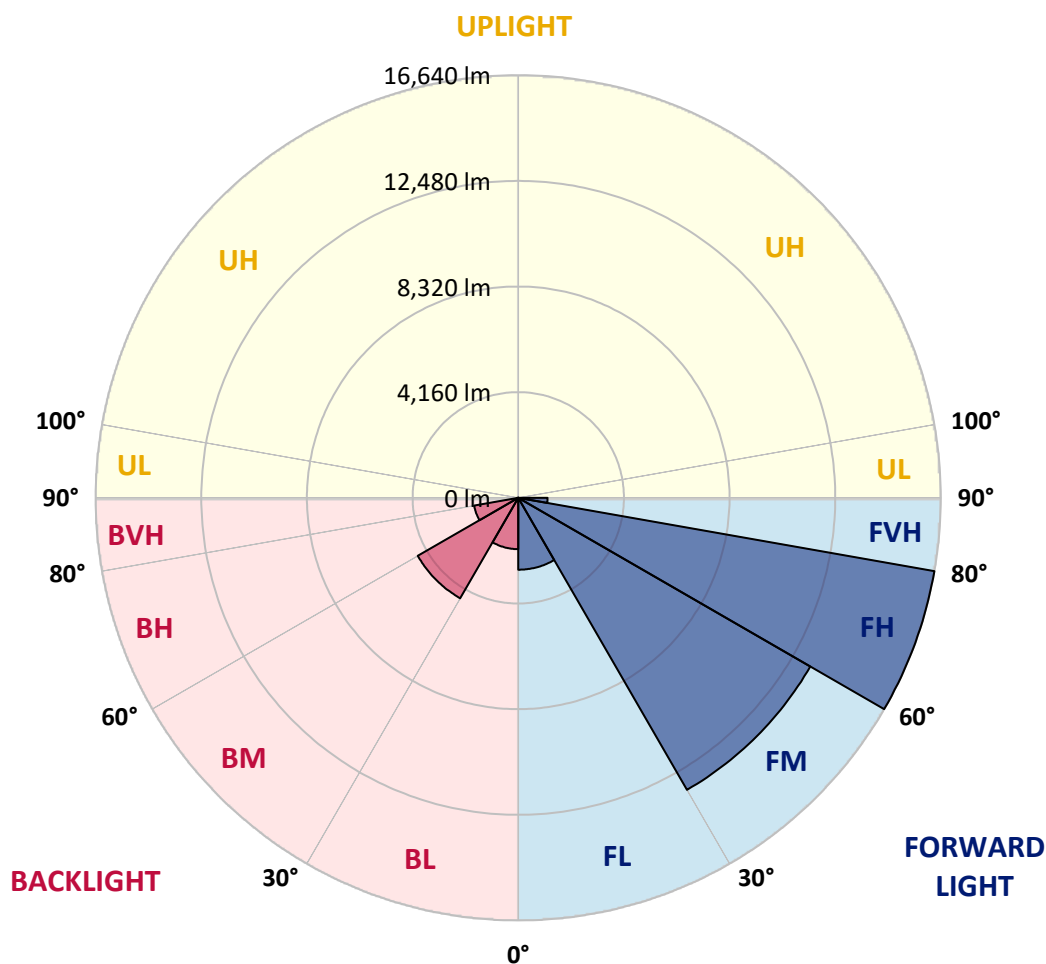
CATALOG NUMBER: GLAN-SB6D-830-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2831.5	6.7			
FM	(30°-60°)	13279.6	31.4			
FH	(60°-80°)	16640.4	39.3			G5
FVH	(80°-90°)	1154.2	2.7			G5
BL	(0°-30°)	2022.4	4.8	B3/2500		
BM	(30°-60°)	4569.8	10.8	B3/5000		
BH	(60°-80°)	1762.3	4.2	B3/2500		G3/2500
BVH	(80°-90°)	56.7	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-G5

Type IV Short



REPORT NUMBER: P953218

CATALOG NUMBER: GLAN-SB6D-830-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5859.6	5859.6	5859.6	5859.6	5859.6	5859.6	5859.6	5859.6	5859.6	5859.6
2.5°	6565.0	6614.6	6725.4	6783.7	6874.0	6879.9	6879.9	6801.2	6798.2	6637.9
5°	7337.6	7454.2	7716.5	7987.6	8045.9	8060.5	8031.4	7874.0	7757.3	7445.4
7.5°	8104.3	8328.7	8728.1	9089.6	9206.2	9206.2	9136.2	8879.7	8640.7	8188.8
10°	8739.8	9022.5	9564.8	9970.0	10104.1	10074.9	9932.1	9608.5	9279.1	8731.0
12.5°	9159.6	9477.3	10072.0	10398.5	10535.5	10459.7	10296.5	9981.6	9634.7	9057.5
15°	9369.5	9701.8	10217.8	10389.8	10351.9	10273.2	10252.8	10101.2	9838.8	9299.5
17.5°	9459.8	9768.8	10127.4	10019.5	9698.9	9637.6	9841.7	10034.1	9970.0	9509.4
20°	9544.4	9803.8	9911.7	9433.6	8873.9	8818.5	9209.1	9757.2	10037.0	9704.7
22.5°	9661.0	9821.3	9599.8	8815.6	8212.1	8083.8	8515.3	9340.3	10057.4	9952.5
25°	9821.3	9865.0	9255.8	8229.6	7623.2	7495.0	7897.3	8876.8	10022.5	10220.7
27.5°	10013.7	9923.3	8926.3	7739.9	7153.9	7034.4	7436.7	8430.8	9923.3	10488.9
30°	10264.4	9999.1	8599.8	7360.9	6818.7	6731.2	7118.9	8045.9	9800.9	10830.0
32.5°	10518.0	10031.2	8296.7	7139.3	6742.9	6774.9	7092.7	7839.0	9666.8	11156.5
35°	10792.1	10133.2	8148.0	7358.0	7375.5	7655.3	7786.5	8031.4	9646.4	11599.6
37.5°	11165.2	10360.6	8325.8	8445.3	9051.7	9631.8	9524.0	8973.0	9882.5	12261.3
40°	11701.6	10760.0	9101.3	10296.5	11541.3	12482.9	12071.8	10684.2	10605.5	13214.6
42.5°	12482.9	11395.5	10477.2	12558.7	14669.3	16220.2	15118.2	12891.0	11870.7	14576.0
45°	13637.3	12424.6	12141.8	14946.2	18526.1	20969.0	18677.7	15243.6	13643.1	16637.0
47.5°	15237.7	13937.6	13701.4	17462.0	23213.7	26373.8	22624.9	17424.1	15660.5	19447.3
50°	17362.9	15975.3	15179.4	20214.0	28353.2	31883.5	26569.1	19528.9	17972.2	22881.4
52.5°	20167.3	18817.6	16902.3	22834.8	33638.5	37276.7	30530.9	21377.2	20840.8	26866.5
55°	23992.1	23094.2	19257.8	25336.0	38920.8	42701.8	34338.1	23120.4	24630.5	31600.8
57.5°	28738.0	29379.4	22654.0	28236.6	43669.7	48293.2	38162.9	25557.6	29551.4	36894.8
60°	31799.0	37737.3	29157.8	32524.9	49065.7	54616.3	43404.4	30192.7	34722.9	38792.6
62.5°	31058.5	40395.9	36947.2	37999.6	54027.4	59213.5	48541.0	34848.3	35696.6	35996.9
65°	28787.6	38250.3	35358.5	39063.7	55283.8	59473.0	49914.0	34247.8	30280.2	29388.1
67.5°	25662.5	35705.4	31583.3	36241.8	53012.9	55846.5	47357.4	30294.8	23400.3	22053.5
70°	22289.6	32889.3	29105.3	33075.9	48683.8	49526.3	43010.8	26644.9	17211.3	14893.8
72.5°	19088.7	29956.6	27408.7	29831.2	42908.8	41165.5	37352.4	23417.8	12532.4	10742.5
75°	15815.0	25630.4	24992.0	25977.3	35314.7	32425.8	31035.2	19389.0	9835.9	7771.9
77.5°	12203.0	20027.4	21496.7	20802.9	24857.9	24085.4	24056.2	14570.2	7186.0	5186.1
80°	8352.0	13958.0	16794.5	14675.1	16132.7	15739.2	18118.0	9774.7	5212.4	3122.2
82.5°	4909.2	8497.8	11689.9	7104.3	8920.5	9156.6	10789.2	4754.7	3066.8	720.1
85°	1991.1	3355.4	4571.0	2781.1	4302.8	3629.4	4095.9	1335.2	854.2	17.5
87.5°	501.4	1072.8	752.1	311.9	498.5	457.7	361.5	163.3	35.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P953218

CATALOG NUMBER: GLAN-SB6D-830-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
5859.6	0°	5859.6	5859.6	5859.6	5859.6	5859.6	5859.6	5859.6	5859.6	5859.6	5859.6
6620.4	2.5°	6506.7	6439.7	6273.5	6107.3	5973.2	5792.5	5673.0	5530.1	5393.1	5270.7
7378.4	5°	7194.7	6973.2	6670.0	6393.0	6110.3	5836.2	5565.1	5279.4	5017.1	4856.7
8019.7	7.5°	7754.4	7363.8	6961.5	6608.8	6267.7	5947.0	5588.4	5241.5	4830.5	4611.8
8509.5	10°	8171.3	7658.2	7130.6	6725.4	6381.4	6069.4	5766.3	5416.4	4920.9	4646.8
8806.8	12.5°	8445.3	7836.1	7218.0	6754.5	6369.7	6127.7	5993.6	5856.6	5364.0	5043.3
9025.5	15°	8634.8	7961.4	7279.3	6687.5	6215.2	6037.4	6171.5	6328.9	6014.1	5643.8
9252.8	17.5°	8841.8	8124.7	7305.5	6506.7	5914.9	5839.1	6186.1	6550.5	6535.9	6168.6
9468.6	20°	9060.4	8267.5	7288.0	6215.2	5550.5	5617.6	6060.7	6483.4	6661.2	6463.0
9716.4	22.5°	9284.9	8404.5	7220.9	5836.2	5209.5	5419.4	5862.5	6232.7	6442.6	6381.4
10019.5	25°	9567.7	8596.9	7121.8	5428.1	4926.7	5218.2	5632.2	5932.4	6078.2	6075.3
10346.0	27.5°	9905.8	8853.5	7069.4	5098.7	4725.5	4990.8	5358.1	5626.3	5728.4	5728.4
10751.3	30°	10299.4	9156.6	7011.1	4883.0	4608.9	4754.7	5040.4	5302.7	5404.8	5404.8
11194.4	32.5°	10736.7	9448.2	6871.1	4751.8	4521.5	4524.4	4705.1	4944.2	5066.6	5084.1
11748.3	35°	11261.4	9760.1	6565.0	4646.8	4419.4	4299.9	4387.4	4585.6	4731.4	4769.3
12538.3	37.5°	11949.4	10142.0	6127.7	4492.3	4262.0	4063.8	4084.2	4235.8	4396.1	4454.4
13628.6	40°	12873.5	10590.9	5673.0	4270.8	4040.5	3804.3	3795.6	3906.4	4063.8	4127.9
15103.6	42.5°	14095.0	11130.2	5238.6	4058.0	3772.3	3530.3	3515.7	3603.2	3740.2	3807.3
17051.0	45°	15657.5	11792.0	4865.5	3891.8	3509.9	3270.9	3265.0	3337.9	3457.4	3527.4
19543.5	47.5°	17829.4	12453.7	4611.8	3804.3	3302.9	3058.0	3069.7	3133.8	3241.7	3291.3
22770.6	50°	20660.0	12654.9	4483.6	3804.3	3192.1	2868.6	2926.9	2979.3	3061.0	3090.1
26639.1	52.5°	23377.0	11990.2	4367.0	3827.7	3206.7	2708.2	2833.6	2871.5	2941.4	2953.1
30224.8	55°	24709.2	10308.1	4206.6	3833.5	3297.1	2571.2	2757.8	2827.7	2854.0	2851.1
32306.2	57.5°	24251.5	8334.6	3935.5	3810.2	3358.3	2483.7	2664.5	2798.6	2816.1	2789.8
31909.8	60°	22645.3	6136.5	3728.5	3638.2	3335.0	2457.5	2521.6	2734.5	2760.7	2725.7
28854.6	62.5°	19951.6	4259.1	3568.2	3259.2	3233.0	2448.8	2297.2	2594.5	2658.7	2609.1
23193.3	65°	15707.1	3008.5	3072.6	2856.9	3011.4	2402.1	2064.0	2425.4	2512.9	2437.1
16826.5	67.5°	10628.8	2171.8	2489.6	2588.7	2652.8	2297.2	1894.9	2233.0	2349.7	2250.5
10797.9	70°	5740.0	1524.6	1644.2	2180.6	2253.4	2116.4	1743.3	2037.7	2171.8	2064.0
7675.7	72.5°	3390.4	1096.1	1151.5	1752.0	1877.4	1862.8	1574.2	1810.3	1973.6	1845.3
5296.9	75°	1868.6	740.5	822.1	1271.0	1524.6	1437.2	1352.7	1533.4	1699.6	1574.2
3320.4	77.5°	836.7	443.1	571.4	833.7	1198.1	985.3	1046.6	1195.2	1349.7	1218.6
1848.2	80°	323.6	247.8	379.0	454.8	871.6	545.1	673.4	880.4	991.2	886.2
402.3	82.5°	40.8	110.8	163.3	177.8	507.2	288.6	390.6	553.9	545.1	472.3
0.0	85°	0.0	20.4	23.3	11.7	218.6	104.9	128.3	180.7	169.1	128.3
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	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

REPORT NUMBER: P953218

CATALOG NUMBER: GLAN-SB6D-830-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
5859.6	0°	5859.6	5859.6	5859.6	5859.6	5859.6	5859.6	5859.6	5859.6	5859.6	5859.6
5247.4	2.5°	5104.5	4999.6	4947.1	4903.4	4944.2	4967.5	4967.5	5066.6	5124.9	5148.2
4754.7	5°	4498.2	4302.8	4171.7	4092.9	4119.2	4148.3	4180.4	4305.7	4390.3	4445.7
4413.6	7.5°	4020.1	3722.7	3539.1	3442.9	3457.4	3477.8	3504.1	3626.5	3711.0	3783.9
4349.5	10°	3783.9	3364.1	3122.2	3005.6	2985.2	2973.5	2964.8	3037.6	3101.8	3160.1
4611.8	12.5°	3795.6	3209.6	2915.2	2772.4	2711.1	2641.2	2585.8	2597.4	2638.3	2711.1
5081.2	15°	3944.3	3160.1	2807.3	2629.5	2527.5	2445.9	2378.8	2364.2	2378.8	2390.5
5617.6	17.5°	4145.4	3154.2	2714.1	2492.5	2387.5	2320.5	2259.3	2238.9	2241.8	2256.4
5973.2	20°	4305.7	3136.8	2609.1	2361.3	2268.0	2209.7	2148.5	2128.1	2133.9	2136.8
6008.2	22.5°	4390.3	3110.5	2492.5	2230.1	2151.4	2093.1	2037.7	2034.8	2034.8	2052.3
5818.7	25°	4390.3	3055.1	2387.5	2104.8	2034.8	1982.3	1915.3	1926.9	1932.8	1956.1
5524.3	27.5°	4285.3	2950.2	2303.0	1996.9	1924.0	1871.6	1810.3	1824.9	1833.7	1859.9
5232.8	30°	4151.2	2824.8	2206.8	1894.9	1810.3	1772.4	1720.0	1725.8	1737.5	1766.6
4961.7	32.5°	4008.4	2676.2	2128.1	1792.8	1708.3	1679.2	1620.9	1629.6	1641.3	1673.3
4693.5	35°	3851.0	2501.2	2034.8	1699.6	1615.0	1591.7	1524.6	1530.5	1548.0	1583.0
4404.9	37.5°	3684.8	2358.4	1941.5	1609.2	1521.7	1498.4	1428.4	1434.3	1454.7	1495.5
4101.7	40°	3521.6	2218.5	1842.4	1513.0	1425.5	1405.1	1329.3	1335.2	1358.5	1402.2
3795.6	42.5°	3343.7	2110.6	1714.1	1413.9	1320.6	1300.2	1230.2	1239.0	1265.2	1308.9
3512.8	45°	3130.9	2040.6	1571.3	1320.6	1215.6	1195.2	1131.1	1148.6	1177.7	1221.5
3270.9	47.5°	2912.3	2011.5	1451.8	1221.5	1107.8	1090.3	1037.8	1067.0	1099.0	1134.0
3063.9	50°	2702.4	1973.6	1329.3	1128.2	1014.5	997.0	962.0	999.9	1032.0	1064.0
2915.2	52.5°	2463.3	1892.0	1218.6	1046.6	935.8	929.9	912.5	947.4	976.6	1005.7
2786.9	55°	2215.6	1760.8	1122.4	973.7	868.7	874.6	865.8	895.0	918.3	944.5
2670.3	57.5°	1999.8	1594.6	1046.6	895.0	810.4	827.9	816.3	830.8	845.4	877.5
2530.4	60°	1781.2	1396.4	962.0	801.7	752.1	772.5	740.5	737.5	743.4	752.1
2323.4	62.5°	1486.8	1189.4	857.1	720.1	688.0	696.7	635.5	588.9	588.9	597.6
2034.8	65°	1195.2	997.0	740.5	626.8	600.5	594.7	507.2	443.1	437.3	463.5
1699.6	67.5°	982.4	827.9	623.9	521.8	504.3	510.2	446.0	381.9	376.1	405.2
1384.7	70°	813.3	667.6	498.5	402.3	419.8	446.0	381.9	320.7	311.9	338.2
1125.3	72.5°	647.2	521.8	381.9	297.4	346.9	379.0	311.9	253.6	247.8	271.1
868.7	75°	475.2	373.1	259.5	215.7	268.2	297.4	227.4	180.7	172.0	192.4
580.1	77.5°	294.4	209.9	163.3	128.3	183.7	198.2	119.5	104.9	102.0	116.6
352.7	80°	137.0	90.4	78.7	43.7	67.0	78.7	49.6	55.4	58.3	70.0
177.8	82.5°	37.9	14.6	2.9	0.0	0.0	23.3	11.7	23.3	29.2	43.7
14.6	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	14.6	26.2
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P953218

CATALOG NUMBER: GLAN-SB6D-830-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
5859.6	0°	5859.6	5859.6	5859.6	5859.6	5859.6	5859.6	5859.6	5859.6
5311.5	2.5°	5433.9	5550.5	5737.1	5929.5	6119.0	6311.4	6498.0	6565.0
4699.3	5°	4929.6	5197.8	5568.0	5964.5	6372.6	6786.6	7165.6	7337.6
4066.7	7.5°	4367.0	4751.8	5308.6	5929.5	6579.6	7229.7	7827.3	8104.3
3439.9	10°	3766.4	4253.3	4888.8	5728.4	6661.2	7559.1	8381.2	8739.8
2889.0	12.5°	3195.1	3705.2	4407.8	5413.5	6597.1	7748.6	8736.9	9159.6
2501.2	15°	2717.0	3168.8	3926.8	5040.4	6390.1	7760.3	8905.9	9369.5
2285.5	17.5°	2358.4	2652.8	3437.0	4626.4	6119.0	7652.4	8964.2	9459.8
2168.9	20°	2180.6	2262.2	2801.5	4095.9	5865.4	7550.4	9022.5	9544.4
2075.6	22.5°	2075.6	2096.0	2291.3	3410.8	5562.2	7518.3	9124.6	9661.0
1991.1	25°	1991.1	1996.9	2049.4	2702.4	5098.7	7497.9	9282.0	9821.3
1903.6	27.5°	1906.5	1906.5	1935.7	2177.7	4469.0	7410.4	9486.1	10013.7
1816.2	30°	1822.0	1822.0	1842.4	1926.9	3731.5	7238.4	9730.9	10264.4
1728.7	32.5°	1734.5	1734.5	1752.0	1813.3	2979.3	7022.7	9955.4	10518.0
1638.3	35°	1647.1	1641.3	1664.6	1728.7	2370.1	6748.7	10179.9	10792.1
1548.0	37.5°	1553.8	1550.9	1574.2	1647.1	2046.5	6430.9	10349.0	11165.2
1457.6	40°	1454.7	1454.7	1480.9	1559.6	1953.2	6031.5	10617.2	11701.6
1364.3	42.5°	1364.3	1358.5	1387.6	1483.8	1883.2	5649.7	11098.2	12482.9
1279.8	45°	1276.9	1265.2	1291.4	1411.0	1760.8	5515.6	11996.0	13637.3
1198.1	47.5°	1195.2	1166.1	1189.4	1323.5	1650.0	6017.0	13465.3	15237.7
1125.3	50°	1128.2	1072.8	1093.2	1236.0	1565.5	7104.3	15371.8	17362.9
1058.2	52.5°	1058.2	985.3	997.0	1128.2	1489.7	8139.2	17438.7	20167.3
991.2	55°	985.3	903.7	909.5	1020.3	1381.8	8293.7	19456.0	23992.1
915.4	57.5°	903.7	827.9	827.9	921.2	1303.1	7188.9	21006.9	28738.0
822.1	60°	813.3	763.8	749.2	842.5	1373.1	5072.4	21187.7	31799.0
702.6	62.5°	714.2	688.0	667.6	766.7	1425.5	3005.6	19733.0	31058.5
553.9	65°	600.5	594.7	580.1	842.5	1201.1	1775.4	16940.2	28787.6
472.3	67.5°	504.3	495.6	495.6	883.3	912.5	1116.5	13235.0	25662.5
402.3	70°	434.4	402.3	402.3	667.6	553.9	772.5	9241.2	22289.6
332.3	72.5°	364.4	329.4	306.1	533.5	414.0	565.5	5775.0	19088.7
253.6	75°	291.5	265.3	236.1	352.7	309.0	428.5	3355.4	15815.0
160.3	77.5°	209.9	198.2	166.2	259.5	224.5	309.0	1996.9	12203.0
99.1	80°	107.9	110.8	104.9	148.7	151.6	209.9	1136.9	8352.0
64.1	82.5°	64.1	49.6	55.4	72.9	87.5	119.5	428.5	4909.2
46.6	85°	40.8	26.2	26.2	35.0	43.7	46.6	131.2	1991.1
23.3	87.5°	20.4	8.7	11.7	17.5	14.6	11.7	5.8	501.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)