Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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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: P943355

Luminaire Tested: **GLAN-SB7D-750-U-T2**

Issue Date: 1/21/2025

Report Generated By 670246001

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Test Information

Test Method:	LM-79-08
Report Number:	P943355
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SB7D-750-U-T2
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(7) 70 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	75863 lumens
Efficiency:	N/A
Efficacy:	147.9 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B5 - 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

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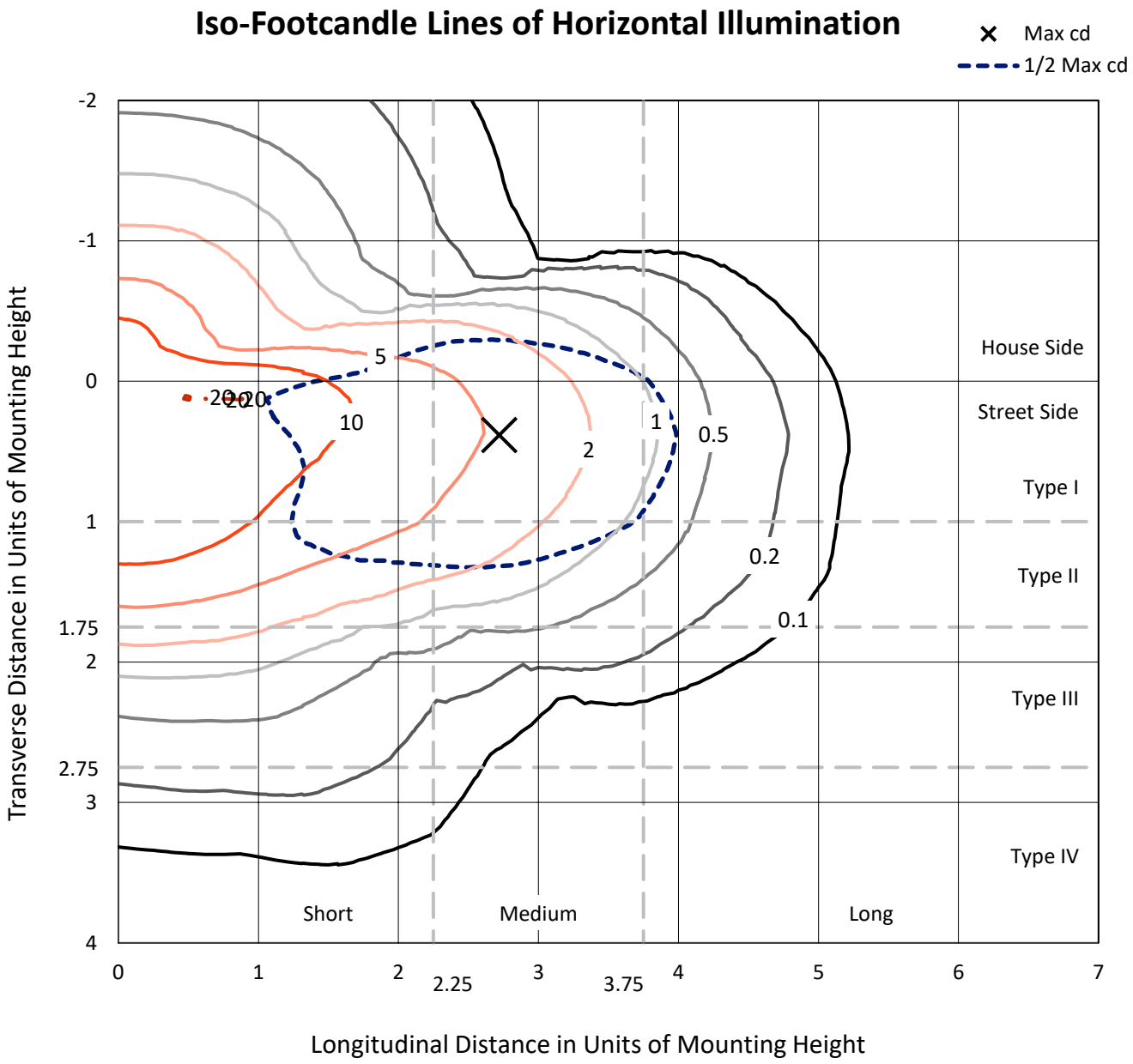

Based on 25 foot mounting height. Maximum calculated value = 20.2 fc
Type II - Medium - N/A

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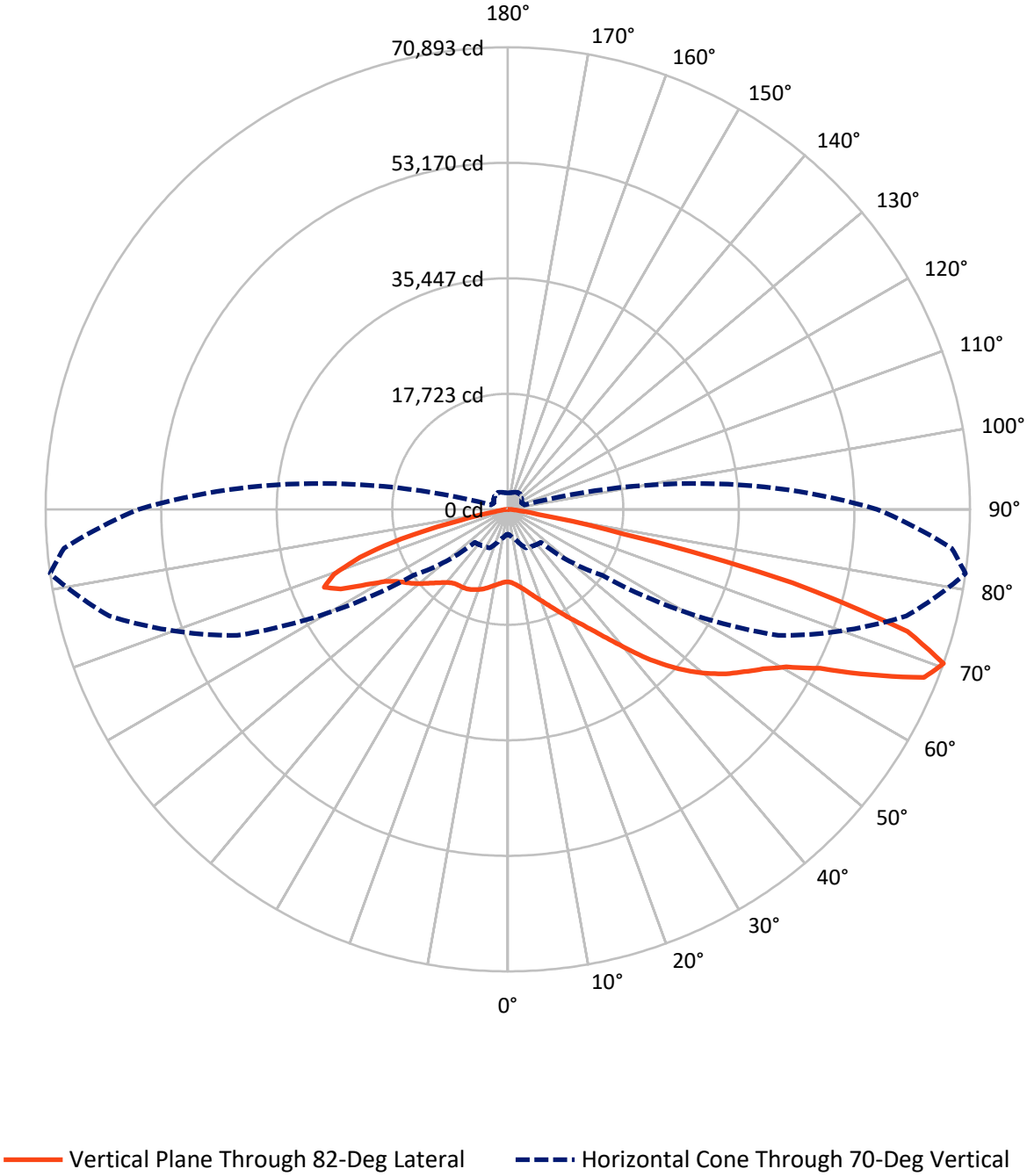
Luminous Intensity Polar Plot



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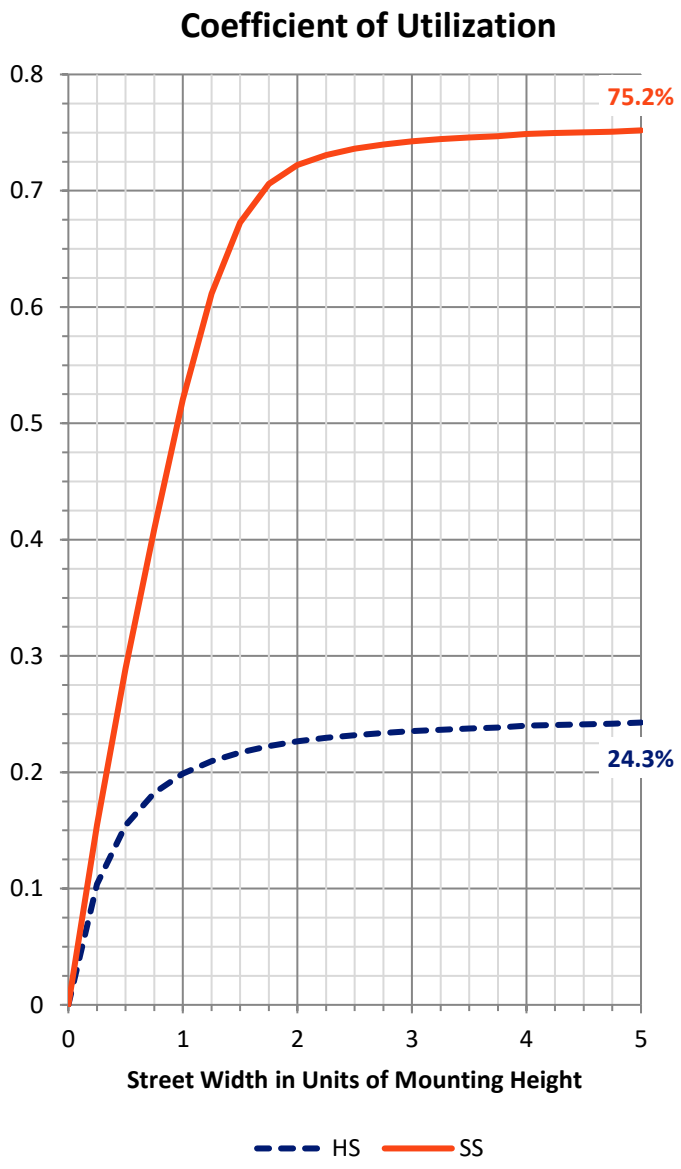
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18702.1	0.0	18702.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	57160.9	0.0	57160.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	75863.0	0.0	75863.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1050.2	1.4
10°-20°	3017.2	4.0
20°-30°	5047.4	6.7
30°-40°	7885.4	10.4
40°-50°	12558.4	16.6
50°-60°	17476.5	23.0
60°-70°	18281.2	24.1
70°-80°	9554.7	12.6
80°-90°	992.2	1.3
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°	75863.0	100.0
0°-180°	75863.0	100.0



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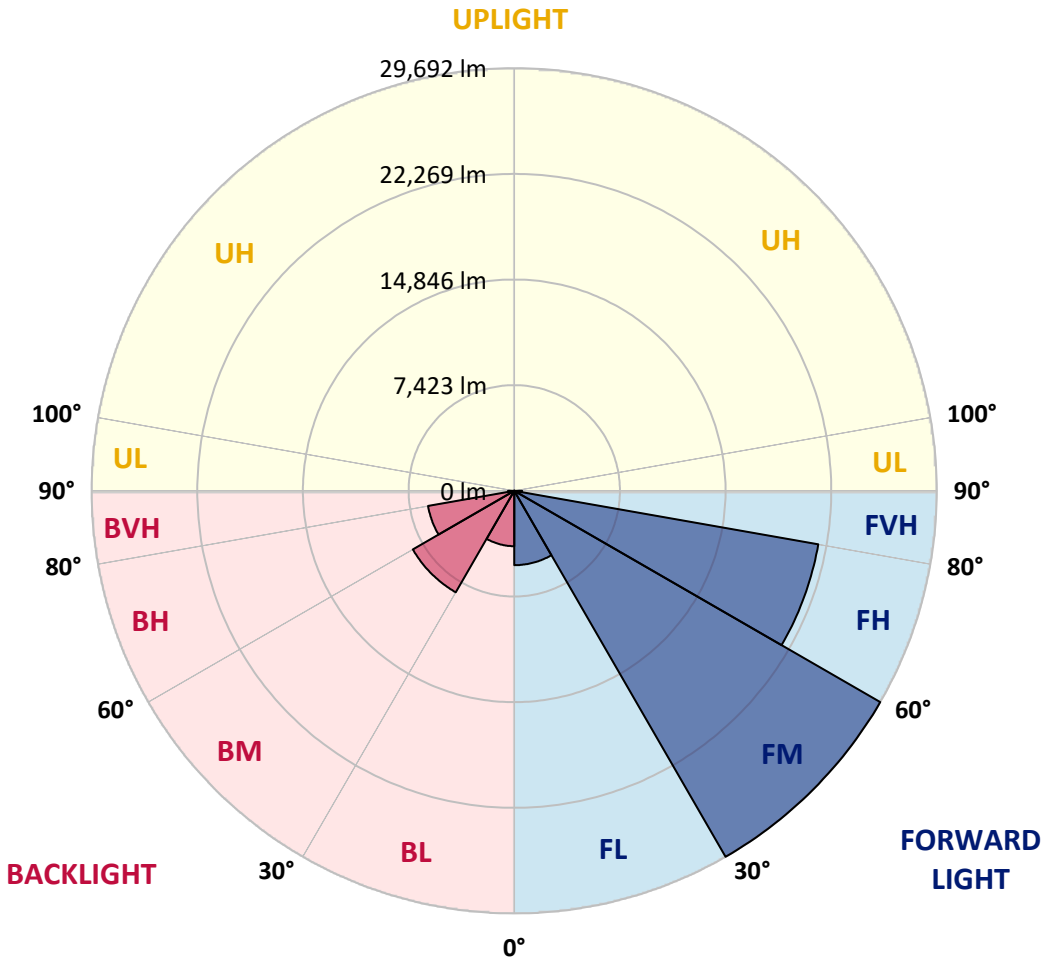
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	5224.0	6.9			
FM	(30°-60°)	29692.0	39.1			
FH	(60°-80°)	21689.5	28.6			G5
FVH	(80°-90°)	555.4	0.7			G4/750
BL	(0°-30°)	3890.7	5.1	B4/5000		
BM	(30°-60°)	8228.2	10.8	B4/8500		
BH	(60°-80°)	6146.5	8.1	B5		G5
BVH	(80°-90°)	436.7	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	11122.5	11122.5	11122.5	11122.5	11122.5	11122.5	11122.5	11122.5	11122.5	*11122.5*
2.5°	11388.1	11452.6	11432.4	11412.3	11412.3	11384.1	11380.1	11339.8	11307.6	*11255.3*
5°	11533.1	11601.5	11593.4	11609.6	11661.9	11674.0	11686.0	11661.9	11597.5	*11533.1*
7.5°	11404.2	11480.7	11504.9	11601.5	11762.5	11907.4	12016.1	12060.4	12000.0	*11907.4*
10°	10969.5	11054.0	11138.6	11368.0	11653.8	11996.0	12285.8	12458.9	12446.9	*12358.3*
12.5°	10087.9	10176.5	10357.6	10804.4	11327.8	11931.6	12471.0	12833.3	12958.1	*12893.7*
15°	9383.4	9459.9	9596.8	10055.7	10736.0	11653.8	12539.4	13243.9	13561.9	*13525.7*
17.5°	9363.3	9395.5	9480.1	9697.4	10220.8	11219.1	12467.0	13646.5	14254.3	*14250.3*
20°	9717.6	9729.6	9777.9	9822.2	10120.1	10889.0	12281.8	13980.6	15031.2	*15031.2*
22.5°	10208.7	10200.6	10248.9	10208.7	10353.6	10860.8	12165.1	14274.4	15896.7	*15961.1*
25°	10945.3	10905.1	10893.0	10800.4	10828.6	11122.5	12293.9	14608.5	16923.2	*17056.1*
27.5°	11927.6	11863.2	11818.9	11605.5	11533.1	11661.9	12688.4	15011.1	18066.5	*18295.9*
30°	13207.7	13090.9	13026.5	12656.2	12394.5	12414.7	13284.2	15546.5	19262.0	*19632.4*
32.5°	14954.7	14773.6	14600.5	13992.6	13513.6	13356.6	14053.0	16287.2	20558.2	*21150.0*
35°	16911.1	16766.2	16581.0	15643.1	14906.4	14544.1	15091.6	17321.7	22075.9	*23013.8*
37.5°	18795.1	18670.3	18758.8	17494.8	16544.8	16017.5	16452.2	18710.5	23947.7	*25332.5*
40°	20743.4	20646.8	20658.9	19451.2	18344.2	17752.5	18102.7	20453.6	26093.3	*28090.0*
42.5°	22860.8	22788.4	22546.8	21476.1	20232.2	19680.7	20002.7	22466.3	28395.9	*31229.9*
45°	25231.9	25187.6	24962.1	23734.4	22309.3	21689.4	22124.2	24688.4	30710.6	*34184.6*
47.5°	27280.8	27317.1	27288.9	26254.3	24777.0	23867.2	24386.5	27007.1	32864.2	*36962.2*
50°	28267.1	28456.3	28734.0	28412.0	27494.2	26568.3	26669.0	29245.3	34917.2	*39566.7*
52.5°	27751.8	28110.1	28866.9	29382.1	29736.4	29543.2	29273.5	31467.4	36849.5	*41917.6*
55°	25831.7	26334.8	27590.8	28834.7	30642.1	32047.0	32401.3	33931.0	38733.4	*43986.7*
57.5°	22333.5	23150.7	24277.8	26793.7	29837.0	33258.7	36048.4	37348.6	40730.0	*46196.7*
60°	16335.5	17430.4	18831.3	22575.0	27019.2	32610.6	39152.0	42597.9	43568.0	*49058.8*
62.5°	10454.2	11130.5	12418.7	15945.0	21053.4	29289.6	40102.1	49159.4	48378.5	*53752.5*
65°	7157.3	7592.1	8771.6	10752.1	13610.2	21802.1	37557.9	54078.6	56018.9	*61191.7*
67.5°	5200.9	5531.0	6537.4	8272.4	8868.2	12901.7	29144.6	53853.2	63446.0	*68856.2*
70°	*3792.0*	*4025.5*	*4870.9*	*6537.4*	*6823.2*	*7177.5*	*17655.9*	*45778.0*	*63284.9*	*70893.1*
72.5°	2809.8	2970.8	3538.4	5072.1	5523.0	4846.7	8739.4	33270.8	54380.5	*64122.2*
75°	2032.9	2153.6	2572.3	3880.6	4420.0	3691.4	4359.6	19443.2	37932.3	*45105.8*
77.5°	1553.8	1646.4	1920.2	2842.0	3538.4	2769.5	2705.1	8944.7	17985.9	*18074.5*
80°	1247.9	1308.3	1457.2	2000.7	2713.2	2073.1	1763.2	3610.9	5684.0	*4810.5*
82.5°	917.8	1018.5	1231.8	1404.9	1940.3	1429.1	1074.8	1823.6	2161.7	*1859.8*
85°	523.3	591.7	744.7	1006.4	1239.9	873.5	615.9	809.1	1006.4	*825.2*
87.5°	185.2	241.5	261.7	394.5	539.4	362.3	237.5	233.5	330.1	*245.6*
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*

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CATALOG NUMBER: GLAN-SB7D-750-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
11122.5	0°	11122.5	11122.5	11122.5	11122.5	11122.5	11122.5	11122.5	11122.5	11122.5	11122.5
11243.2	2.5°	11203.0	11182.8	11102.3	10993.6	10880.9	10772.2	10736.0	10659.5	10607.2	10579.0
11504.9	5°	11428.4	11364.0	11174.8	10933.3	10679.7	10405.9	10212.7	10035.6	9906.8	9786.0
11863.2	7.5°	11750.4	11637.7	11311.7	10889.0	10438.1	9983.2	9645.1	9387.5	9214.4	9101.7
12281.8	10°	12124.8	11951.7	11452.6	10820.6	10124.1	9472.0	9073.5	8852.1	8743.4	8683.0
12760.8	12.5°	12555.5	12310.0	11597.5	10663.6	9645.1	8900.4	8626.7	8562.2	8566.3	8570.3
13364.7	15°	13086.9	12744.7	11714.2	10321.4	9021.2	8461.6	8413.3	8518.0	8626.7	8679.0
14049.0	17.5°	13686.7	13203.6	11734.3	9757.8	8409.3	8179.8	8332.8	8558.2	8723.3	8795.7
14813.9	20°	14330.8	13670.6	11589.4	8960.8	7906.1	7950.4	8224.1	8513.9	8695.1	8787.7
15687.4	22.5°	15067.5	14169.8	11243.2	8123.5	7495.5	7700.8	8022.8	8304.6	8493.8	8586.4
16713.9	25°	15908.8	14729.3	10699.8	7419.0	7141.2	7419.0	7741.0	7974.5	8127.5	8212.0
17861.2	27.5°	16842.7	15313.0	9975.2	6859.5	6831.3	7129.2	7394.8	7576.0	7656.5	7720.9
19080.9	30°	17780.6	15844.4	9097.6	6436.8	6561.6	6843.4	7032.6	7113.1	7137.2	7149.3
20441.5	32.5°	18795.1	16303.3	8175.8	6086.6	6303.9	6565.6	6678.3	6714.5	6601.8	6525.3
22092.0	35°	20022.9	16794.4	7274.1	5808.8	6050.3	6275.8	6312.0	6279.8	6146.9	5989.9
24161.1	37.5°	21540.5	17406.3	6553.5	5611.6	5812.8	5961.8	5917.5	5909.4	5921.5	5736.3
26648.8	40°	23400.2	18203.3	6026.2	5458.6	5619.6	5651.8	5527.0	5595.4	5655.8	5374.0
29378.1	42.5°	25465.3	19165.4	5692.1	5353.9	5458.6	5382.1	5188.9	5265.4	5257.3	4887.0
32119.5	45°	27570.7	20212.0	5575.3	5277.4	5309.6	5156.7	4943.3	4963.4	4794.4	4460.3
34748.1	47.5°	29663.9	21335.2	5647.8	5213.0	5124.5	4951.4	4786.3	4697.8	4448.2	4198.6
37268.1	50°	31716.9	22514.6	5913.5	5084.2	4870.9	4770.2	4649.5	4492.5	4226.8	4013.4
39651.2	52.5°	33621.0	23702.2	6211.4	4870.9	4552.8	4613.2	4536.7	4355.6	4093.9	3876.6
41905.5	55°	35424.4	24889.7	6328.1	4577.0	4255.0	4476.4	4432.1	4098.0	3784.0	3606.9
44264.4	57.5°	37388.9	26318.7	6199.3	4202.6	4013.4	4319.4	4150.3	3779.9	3598.8	3466.0
47335.9	60°	40110.1	28560.9	5921.5	3739.7	3784.0	4085.9	3796.0	3643.1	3445.8	3296.9
51941.1	62.5°	44630.8	32743.4	5474.7	3280.8	3514.3	3739.7	3627.0	3474.0	3272.7	3127.8
59814.9	65°	51313.1	38556.3	4633.4	2922.5	3212.4	3401.5	3445.8	3292.9	3083.5	2930.6
66714.7	67.5°	56948.8	42203.4	3506.2	2624.6	2902.4	3127.8	3252.6	3103.7	2882.3	2733.3
68328.9	70°	*56638.8*	*39554.6*	*2677.0*	*2330.8*	*2628.7*	*2858.1*	*3019.1*	*2902.4*	*2664.9*	*2524.0*
62065.2	72.5°	50306.7	33089.6	2165.7	2032.9	2350.9	2576.3	2769.5	2681.0	2439.5	2302.6
45468.1	75°	36958.1	23488.8	1731.0	1731.0	2004.7	2282.5	2495.8	2439.5	2218.1	2121.4
19088.9	77.5°	15578.7	9854.4	1356.6	1437.1	1666.6	1960.4	2226.1	2246.2	2053.0	2173.8
5048.0	80°	4142.2	2717.2	1034.6	1131.2	1308.3	1618.3	1936.3	1928.2	1718.9	1606.2
1875.9	82.5°	1578.0	1070.8	736.7	797.0	946.0	1239.9	1533.7	1582.0	1372.7	1187.5
736.7	85°	607.9	458.9	454.9	479.0	551.5	821.2	1159.3	1199.6	1034.6	877.6
205.3	87.5°	157.0	136.9	169.1	161.0	253.6	438.8	664.2	688.4	632.0	366.3
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°
11122.5
10611.2
9834.3
9125.8
8699.1
8578.3
8675.0
8811.8
8811.8
8610.6
8236.2
7745.1
7177.5
6549.5
5998.0
5748.4
5382.1
4882.9
4472.3
4198.6
3997.3
3880.6
3590.7
3453.9
3288.8
3127.8
2938.6
2737.3
2536.1
2302.6
2093.3
1972.5
1493.5
1187.5
905.7
523.3
0.0

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