

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: P456254

Luminaire Tested: **GLAN-SA7C-730-U-AFL-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P456254
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7C-730-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36538 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 377
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

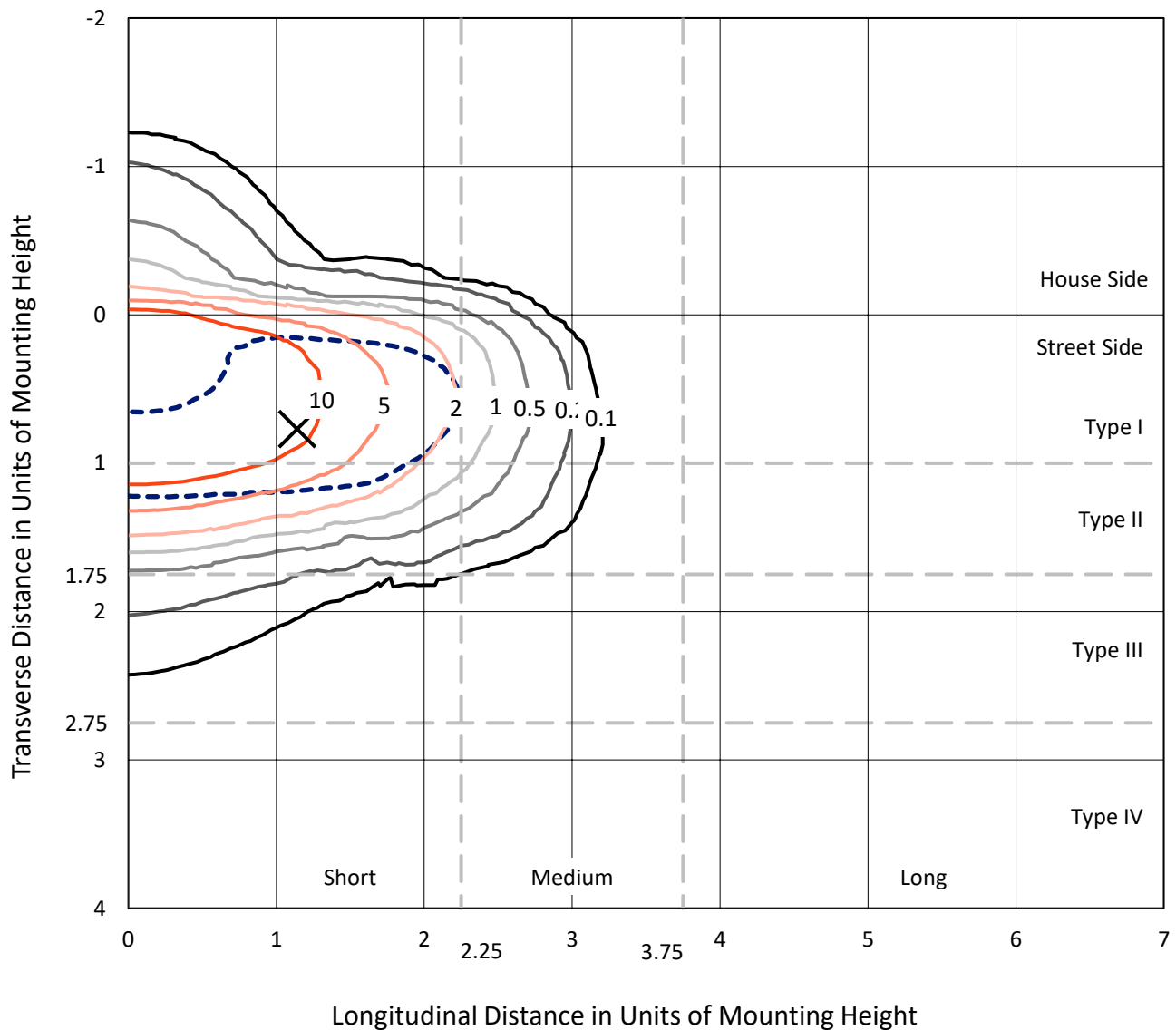


REPORT NUMBER: P456254

CATALOG NUMBER: GLAN-SA7C-730-U-AFL-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

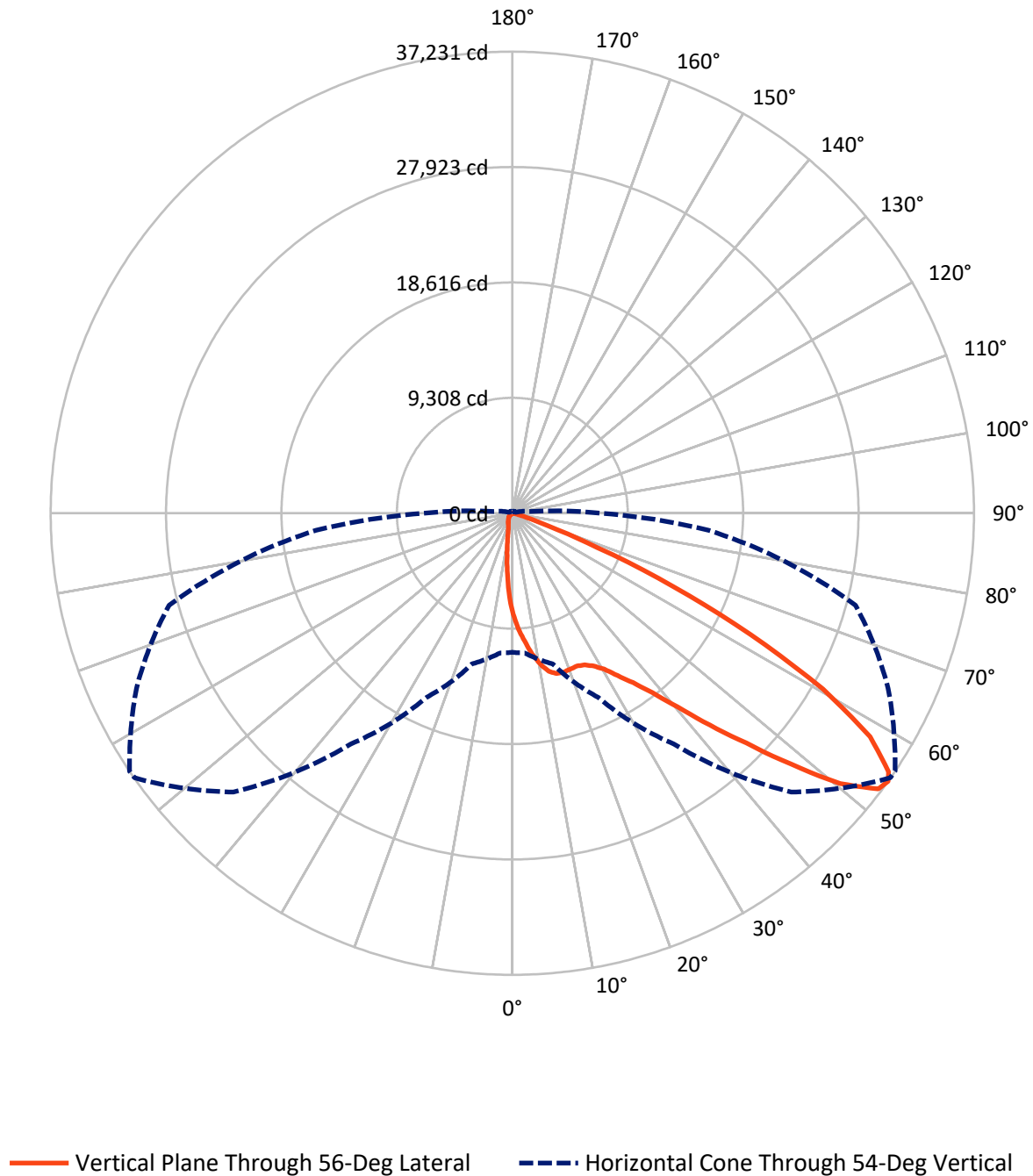


Based on 25 foot mounting height. Maximum calculated value = 19.5 fc
 Type II - Short - N/A

REPORT NUMBER: P456254

CATALOG NUMBER: GLAN-SA7C-730-U-AFL-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P456254

CATALOG NUMBER: GLAN-SA7C-730-U-AFL-HSS

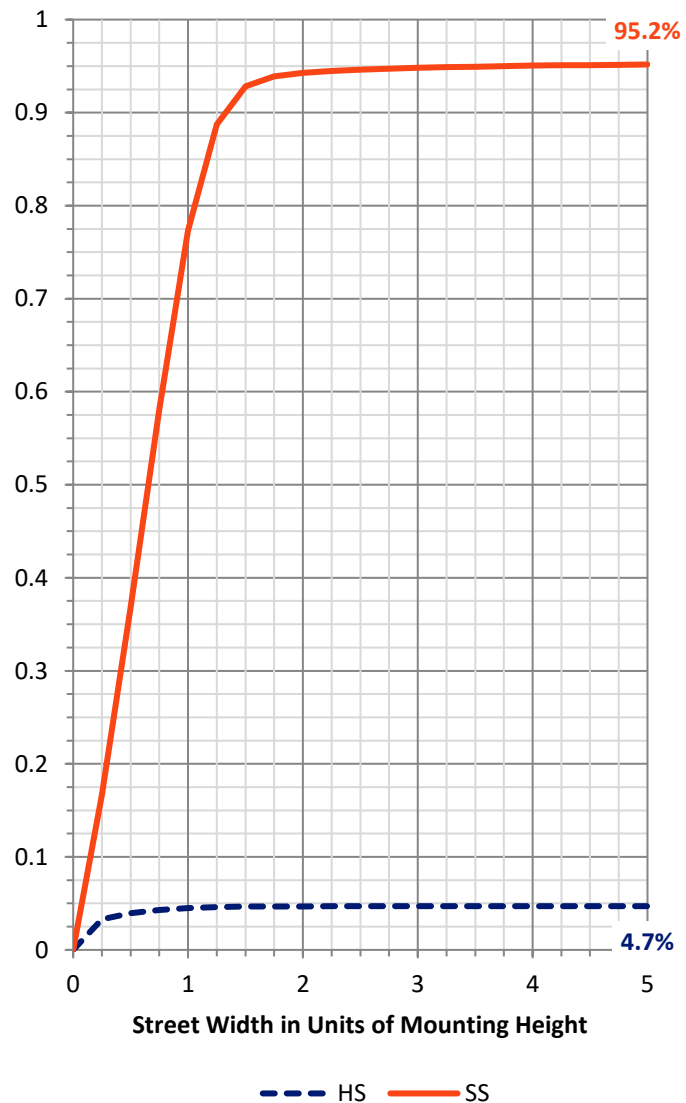
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1727.8	0.0	1727.8
	% Fixture	4.7	0.0	4.7
Street Side	Lumens	34810.2	0.0	34810.2
	% Fixture	95.3	0.0	95.3
Total	Lumens	36538.0	0.0	36538.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	717.3	2.0
10°-20°	1939.2	5.3
20°-30°	3358.5	9.2
30°-40°	5797.3	15.9
40°-50°	9867.2	27.0
50°-60°	9764.8	26.7
60°-70°	4456.9	12.2
70°-80°	572.4	1.6
80°-90°	64.5	0.2
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°	36538.0	100.0
0°-180°	36538.0	100.0

Coefficient of Utilization



REPORT NUMBER: P456254

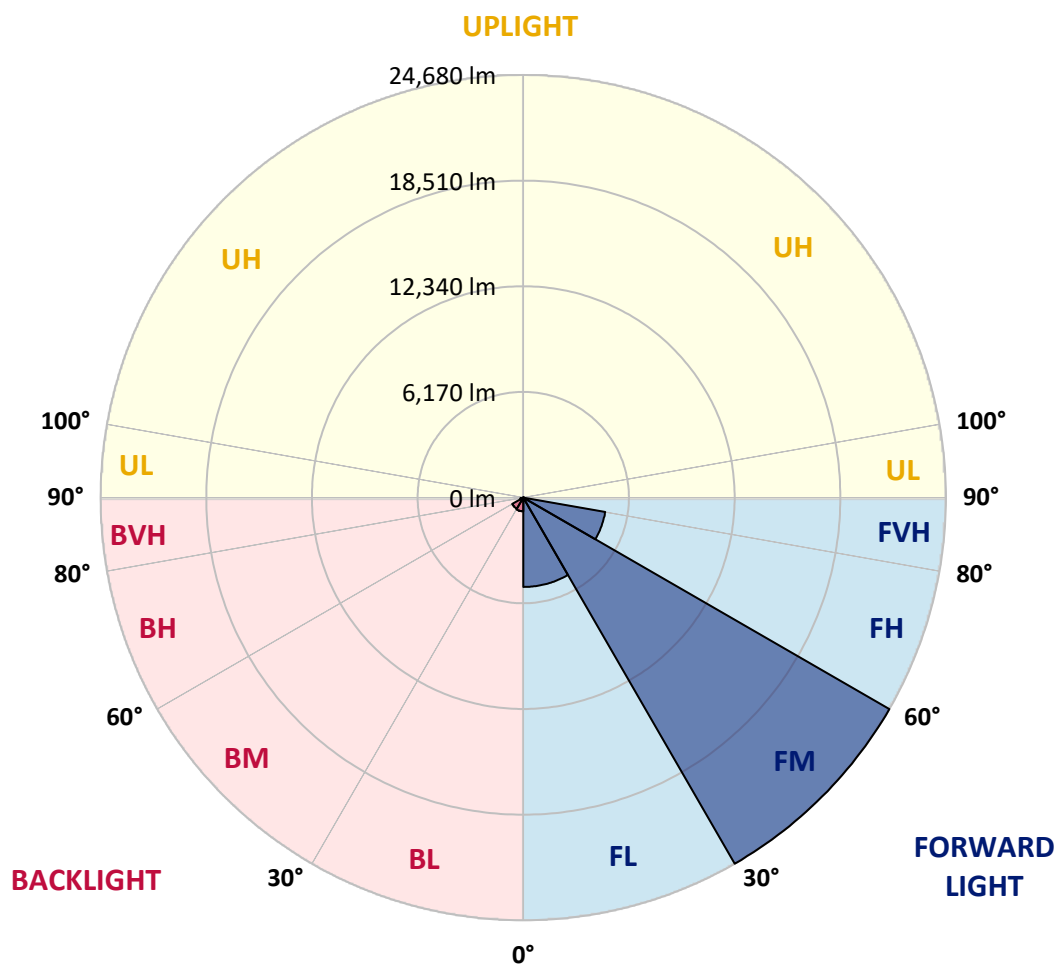
CATALOG NUMBER: GLAN-SA7C-730-U-AFL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5215.9	14.3			
FM	(30°-60°)	24680.5	67.5			
FH	(60°-80°)	4856.2	13.3			G2/5000
FVH	(80°-90°)	57.6	0.2			G1/100
BL	(0°-30°)	799.1	2.2	B2/1000		
BM	(30°-60°)	748.8	2.0	B1/1000		
BH	(60°-80°)	173.0	0.5	B1/500		G1/500
BVH	(80°-90°)	6.9	0.0			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: P456254

CATALOG NUMBER: GLAN-SA7C-730-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	8117.7	8117.7	8117.7	8117.7	8117.7	8117.7	8117.7	8117.7	8117.7	8117.7	8117.7
2.5°	10316.6	10245.1	10146.5	10070.1	9890.1	9631.3	9357.7	9357.7	9093.9	8726.6	8351.9
5°	11899.2	11852.4	11756.2	11559.0	11356.9	10994.5	10444.8	10348.6	9877.8	9212.2	8512.1
7.5°	12542.6	12564.8	12569.7	12518.0	12421.8	12064.4	11519.6	11453.0	10701.2	9808.8	8721.7
10°	11926.3	12034.8	12140.8	12355.3	12658.5	12744.8	12436.6	12367.6	11628.0	10412.7	8948.4
12.5°	11009.3	11068.5	11127.6	11465.3	12074.2	12771.9	13094.8	13092.3	12466.2	11014.2	9236.9
15°	10582.8	10634.6	10639.5	10789.9	11317.4	12333.1	13375.8	13412.8	13284.6	11756.2	9547.5
17.5°	10671.6	10713.5	10679.0	10715.9	10992.0	11849.9	13343.8	13467.0	13947.7	12468.7	9828.5
20°	11250.9	11332.2	11199.1	11095.6	11179.4	11721.7	13235.3	13407.9	14416.1	13163.8	10084.9
22.5°	12291.2	12335.5	12167.9	11884.4	11736.5	11990.4	13205.7	13375.8	14815.5	13733.3	10232.8
25°	13447.3	13432.5	13247.6	12929.6	12619.0	12532.8	13400.5	13553.3	15145.8	14246.0	10277.2
27.5°	14603.5	14647.8	14337.2	13942.8	13570.6	13346.2	13836.8	13950.2	15518.0	14830.3	10331.4
30°	15947.0	15875.5	15569.8	15118.7	14692.2	14379.1	14539.4	14571.4	16030.8	15604.3	10474.4
32.5°	17694.7	17497.5	17154.9	16366.0	16060.4	15530.4	15569.8	15609.2	16654.5	16371.0	10646.9
35°	20066.2	20056.3	19385.8	18323.4	17578.9	16920.7	16748.1	16780.2	17598.6	17509.9	11029.0
37.5°	22920.8	22960.3	22196.1	21126.2	19755.6	18710.4	18355.4	18360.3	19033.3	19082.6	11610.8
40°	25245.5	25349.0	24892.9	24170.7	22817.3	21182.9	20586.4	20532.1	21049.8	20988.2	12441.5
42.5°	26246.3	26342.4	26512.5	26764.0	26019.5	24671.1	23263.5	23337.4	23495.2	23063.8	13373.4
45°	25755.7	25908.6	26576.6	28129.7	28829.8	28376.2	26697.4	26438.6	25770.5	25319.4	14310.1
47.5°	23712.1	24084.4	25201.1	27787.0	30237.4	31770.7	30572.6	30230.0	28048.3	26966.1	14906.7
50°	20352.2	20374.4	21929.9	25235.6	29507.7	33912.9	34529.2	34272.8	30170.8	27890.6	15207.4
52.5°	14753.8	15239.5	16664.3	20492.7	26347.4	33587.5	37051.0	36945.0	32359.8	28363.9	15641.3
54°	11216.4	11310.0	12577.1	16375.9	22716.2	31800.3	37206.3	37231.0	33447.0	28649.8	15897.7
55°	9195.0	8970.6	10301.8	13950.2	20238.8	30220.1	36698.5	36816.8	33935.1	28797.7	16087.5
57.5°	4358.4	4360.8	5378.9	7358.4	12675.7	23465.6	33594.9	34013.9	33989.3	29051.6	16671.7
60°	2206.3	2221.1	2445.4	3397.0	6261.4	15599.4	27777.2	28775.5	31373.8	29088.6	16864.0
62.5°	1543.2	1525.9	1488.9	1634.4	2635.2	7927.9	20680.0	21547.8	26655.5	27681.0	16252.6
65°	1321.3	1284.3	1180.8	1158.6	1331.2	3157.8	12880.3	14295.3	20352.2	23968.5	14512.3
67.5°	1129.0	1114.2	1020.6	963.9	941.7	1375.5	6646.0	7390.5	13910.8	17228.8	10992.0
70°	958.9	951.5	894.8	823.4	761.7	823.4	2465.1	3054.3	7752.9	9276.3	5186.6
72.5°	779.0	786.4	796.2	705.0	640.9	584.2	1052.6	1225.2	3244.1	3315.6	1814.3
75°	682.8	675.4	675.4	613.8	534.9	433.9	579.3	623.7	993.4	922.0	421.5
77.5°	480.7	463.4	542.3	505.4	446.2	308.1	330.3	350.0	411.7	352.5	197.2
80°	332.8	332.8	347.6	453.6	401.8	224.3	202.1	216.9	244.0	209.5	113.4
82.5°	187.4	192.3	226.8	241.6	234.2	150.4	133.1	135.6	162.7	143.0	71.5
85°	22.2	37.0	130.7	128.2	96.1	66.6	74.0	76.4	101.1	88.7	41.9
87.5°	2.5	4.9	27.1	34.5	24.7	27.1	27.1	27.1	34.5	39.4	29.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P456254

CATALOG NUMBER: GLAN-SA7C-730-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8117.7	8117.7	8117.7	8117.7	8117.7	8117.7	8117.7	8117.7	8117.7	8117.7	8117.7
2.5°	8149.7	7962.4	7516.2	6998.5	6668.2	6130.8	5677.2	5349.3	5268.0	5110.2	5157.1
5°	8139.9	7750.4	6840.8	5879.3	4853.9	4089.7	3520.2	3071.6	2874.3	2743.7	2652.5
7.5°	8144.8	7535.9	6076.6	4545.7	3320.5	2571.1	2043.6	1770.0	1587.5	1511.1	1521.0
10°	8159.6	7294.3	5189.1	3367.4	2240.8	1661.5	1338.6	1207.9	1146.3	1136.4	1134.0
12.5°	8194.1	7030.6	4341.1	2499.6	1567.8	1207.9	1084.7	1040.3	1020.6	1020.6	1013.2
15°	8231.1	6739.7	3636.1	1858.7	1207.9	1037.8	981.1	958.9	946.6	946.6	944.1
17.5°	8231.1	6404.4	2977.9	1442.1	1040.3	954.0	909.6	880.1	870.2	870.2	867.7
20°	8179.3	6014.9	2393.6	1161.1	944.1	875.1	830.8	798.7	786.4	781.4	779.0
22.5°	7999.4	5494.8	1905.6	998.4	865.3	806.1	749.4	712.4	702.6	697.6	700.1
25°	7678.9	4908.1	1508.7	877.6	793.8	722.3	673.0	645.9	636.0	636.0	638.5
27.5°	7348.6	4294.3	1195.6	786.4	707.5	643.4	604.0	586.7	584.2	591.6	594.1
30°	7042.9	3678.0	968.8	712.4	631.1	576.8	549.7	544.8	544.8	547.3	549.7
32.5°	6702.7	3138.1	811.0	648.3	569.4	522.6	507.8	507.8	512.7	512.7	517.7
35°	6488.2	2674.7	712.4	586.7	522.6	483.2	473.3	475.8	483.2	493.0	498.0
37.5°	6372.4	2304.9	648.3	537.4	478.2	451.1	441.3	446.2	463.4	480.7	483.2
40°	6382.2	2026.3	596.6	495.5	443.7	414.1	406.7	421.5	438.8	456.1	458.5
42.5°	6490.7	1819.3	547.3	446.2	414.1	372.2	369.8	384.6	392.0	409.2	411.7
45°	6618.9	1668.9	495.5	394.4	359.9	322.9	325.4	337.7	347.6	374.7	379.6
47.5°	6658.3	1565.4	436.3	335.3	295.8	283.5	286.0	293.4	313.1	337.7	340.2
50°	6702.7	1501.3	379.6	283.5	251.4	249.0	251.4	256.4	268.7	278.6	276.1
52.5°	6892.5	1498.8	332.8	246.5	214.5	219.4	221.9	219.4	209.5	194.7	189.8
54°	7070.0	1506.2	310.6	229.3	197.2	204.6	202.1	189.8	165.2	150.4	143.0
55°	7213.0	1513.6	298.3	216.9	187.4	189.8	192.3	167.6	135.6	120.8	115.9
57.5°	7494.0	1496.3	268.7	189.8	165.2	155.3	152.8	110.9	74.0	64.1	59.2
60°	7353.5	1350.9	244.0	162.7	140.5	125.7	103.5	61.6	37.0	27.1	27.1
62.5°	6801.3	1146.3	216.9	133.1	115.9	96.1	54.2	34.5	17.3	9.9	7.4
65°	6084.0	963.9	194.7	106.0	91.2	61.6	29.6	22.2	7.4	0.0	0.0
67.5°	4523.5	714.9	165.2	83.8	69.0	39.4	19.7	12.3	2.5	0.0	0.0
70°	2095.4	436.3	140.5	64.1	49.3	29.6	14.8	7.4	0.0	0.0	0.0
72.5°	601.5	273.6	115.9	46.8	34.5	24.7	12.3	4.9	2.5	0.0	0.0
75°	209.5	219.4	86.3	34.5	27.1	17.3	9.9	4.9	2.5	0.0	0.0
77.5°	125.7	177.5	54.2	29.6	22.2	14.8	9.9	4.9	2.5	2.5	0.0
80°	71.5	118.3	34.5	24.7	19.7	12.3	7.4	4.9	2.5	2.5	0.0
82.5°	39.4	56.7	27.1	22.2	17.3	12.3	7.4	4.9	2.5	2.5	2.5
85°	32.0	29.6	22.2	19.7	14.8	9.9	7.4	2.5	0.0	0.0	0.0
87.5°	24.7	19.7	19.7	19.7	14.8	9.9	7.4	2.5	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	0.0

(END OF REPORT)