

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: P457423

Luminaire Tested: **GLAN-SA8D-730-U-SLL-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P457423
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8D-730-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40856 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 493
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

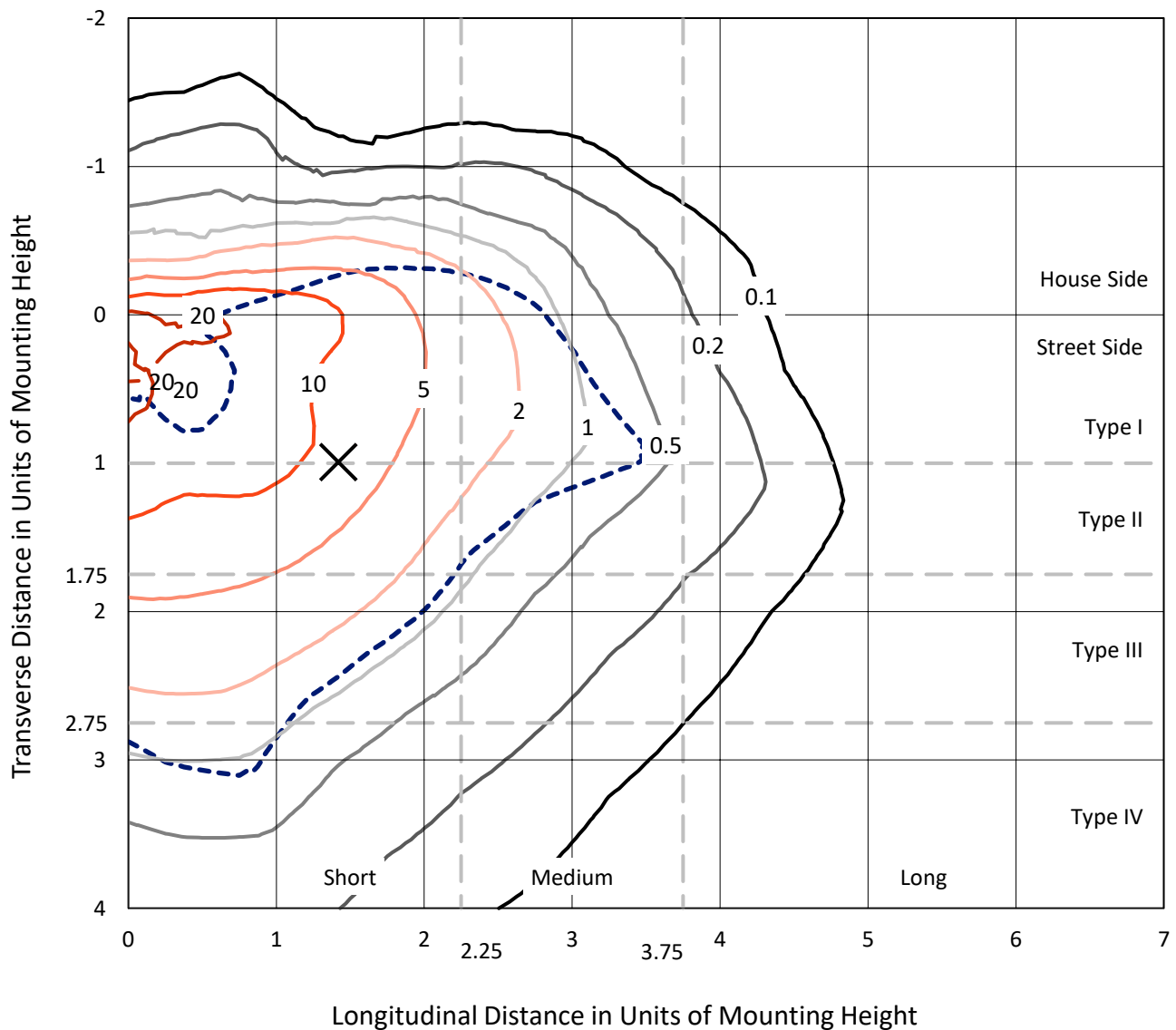


REPORT NUMBER: P457423

CATALOG NUMBER: GLAN-SA8D-730-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

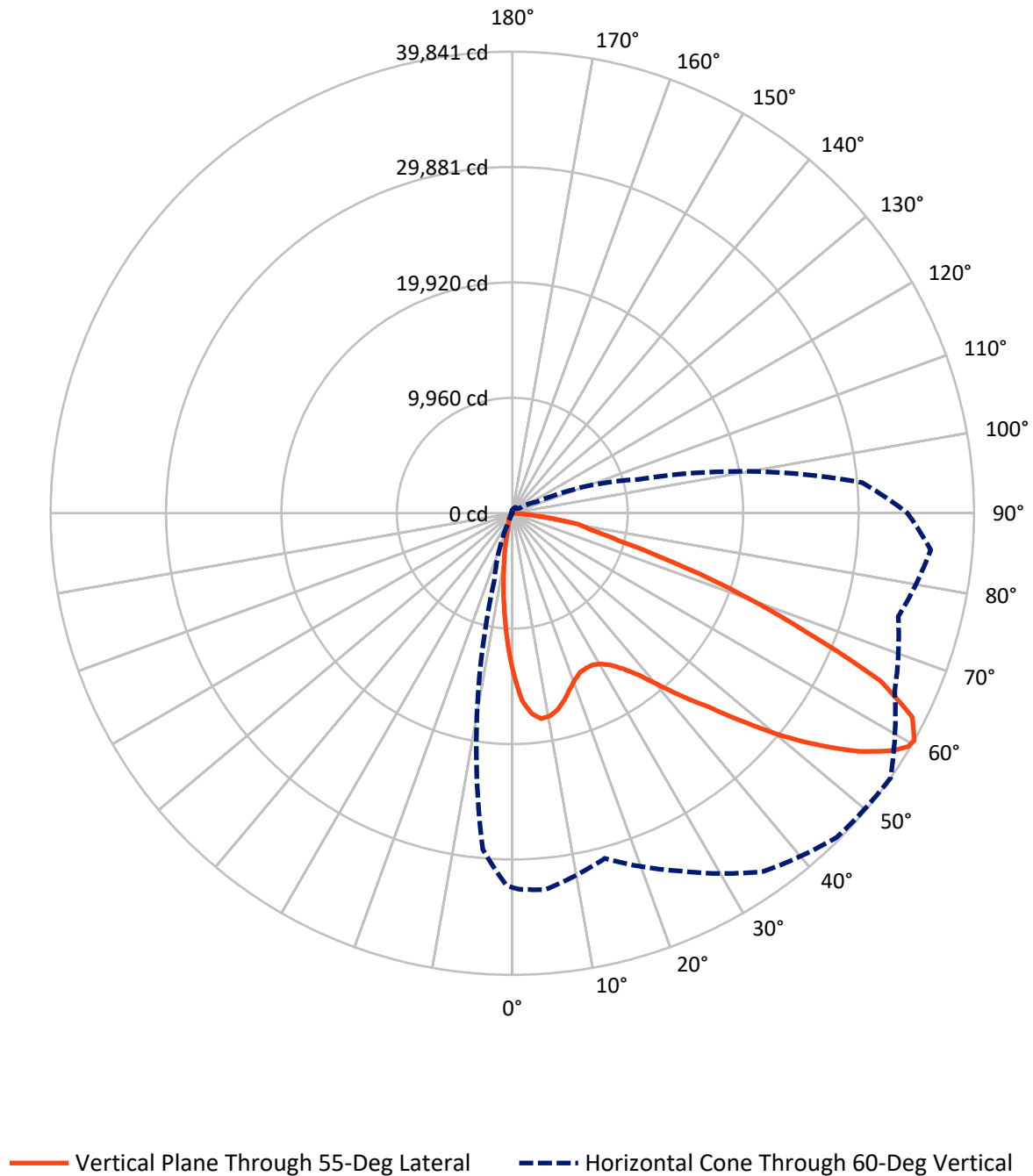
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 28.6 fc
 Type III - Short - N/A

REPORT NUMBER: P457423
CATALOG NUMBER: GLAN-SA8D-730-U-SLL-HSS

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6063.4	0.0	6063.4
	% Fixture	14.8	0.0	14.8
Street Side	Lumens	34792.6	0.0	34792.6
	% Fixture	85.2	0.0	85.2
Total	Lumens	40856.0	0.0	40856.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1024.4	2.5
10°-20°	2017.3	4.9
20°-30°	2986.0	7.3
30°-40°	4450.9	10.9
40°-50°	6518.4	16.0
50°-60°	9410.5	23.0
60°-70°	9899.4	24.2
70°-80°	4072.2	10.0
80°-90°	476.9	1.2
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°	40856.0	100.0
0°-180°	40856.0	100.0

Coefficient of Utilization



REPORT NUMBER: P457423

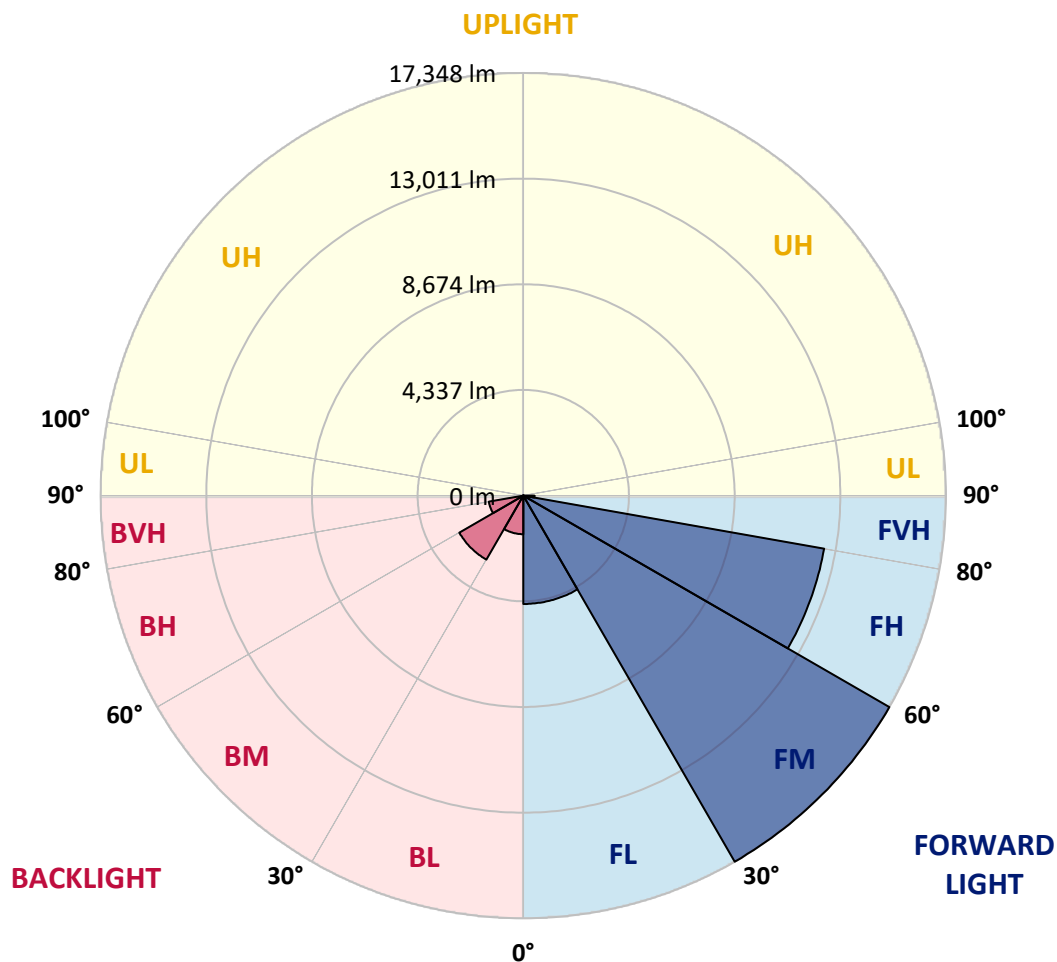
CATALOG NUMBER: GLAN-SA8D-730-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4445.7	10.9			
FM	(30°-60°)	17347.5	42.5			
FH	(60°-80°)	12536.5	30.7			G5
FVH	(80°-90°)	462.9	1.1			G3/500
BL	(0°-30°)	1582.0	3.9	B3/2500		
BM	(30°-60°)	3032.2	7.4	B3/5000		
BH	(60°-80°)	1435.2	3.5	B3/2500		G3/2500
BVH	(80°-90°)	14.0	0.0			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 III Short



REPORT NUMBER: P457423

CATALOG NUMBER: GLAN-SA8D-730-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13833.7	13833.7	13833.7	13833.7	13833.7	13833.7	13833.7	13833.7	13833.7	13833.7	13833.7
2.5°	15113.6	15088.5	15311.8	15676.5	16044.5	16236.3	16198.6	16182.9	15877.8	15654.5	15186.0
5°	15082.2	15211.1	15610.5	16598.0	17346.4	17708.1	17815.0	17365.3	16770.9	15909.3	14846.3
7.5°	14179.7	14340.0	14991.0	16535.1	17865.3	18651.5	18623.2	17903.0	16676.6	15343.2	13827.4
10°	13060.1	13248.8	14013.0	15887.2	17613.7	18651.5	18708.1	17796.1	16270.9	14560.2	12965.8
12.5°	12270.8	12494.1	13340.0	15283.5	16965.9	17987.9	18054.0	17393.6	15965.9	14258.3	12497.2
15°	12003.5	12214.2	13072.7	14978.4	16277.2	16827.5	16811.8	16742.6	15846.4	14330.6	12522.4
17.5°	12462.6	12635.6	13604.2	15116.8	15632.5	15575.9	15657.7	15991.0	15871.5	14937.5	13314.8
20°	13648.2	13824.3	14865.2	15541.3	15138.8	14780.3	14818.0	15374.7	16104.2	16079.1	14553.9
22.5°	15280.3	15579.1	16522.5	16365.2	15072.8	14286.6	14208.0	14931.2	16500.5	17393.6	16226.9
25°	17346.4	17648.3	18384.2	17679.8	15396.7	14170.2	14097.9	14796.0	16981.6	18676.6	18110.6
27.5°	19082.3	19311.9	20044.6	18959.7	15874.7	14220.5	14101.0	14814.9	17371.6	19767.9	19698.7
30°	20472.3	20642.1	21072.9	19557.2	16286.6	14440.7	14302.3	15091.6	17544.5	20299.3	20984.9
32.5°	21591.8	21878.0	22013.2	20195.5	16877.8	14855.8	14619.9	15623.1	17965.9	20956.6	22334.0
35°	22871.7	23201.9	23029.0	20805.6	17657.7	15503.6	15214.3	16484.7	18604.3	21563.5	23900.1
37.5°	24494.4	24874.9	24198.8	21447.2	18481.7	16478.5	16343.2	17695.5	19572.9	22431.5	25579.3
40°	26173.7	26393.8	25334.1	22227.1	19494.3	17896.7	18025.7	19494.3	20840.2	23472.4	27365.6
42.5°	27485.1	27692.6	26500.8	22881.2	20528.9	19579.2	20116.9	21664.1	22293.1	24538.4	28698.9
45°	28488.2	28664.3	27309.0	23595.0	21925.2	22016.4	23032.1	23900.1	23749.1	25189.4	29727.3
47.5°	29268.1	29419.1	27931.6	24362.3	24016.4	24997.6	26551.1	26919.0	25258.6	25893.8	30658.1
50°	29588.9	29632.9	28126.6	25340.3	26390.7	28796.4	30416.0	30192.7	26988.2	26676.9	31648.7
52.5°	30007.1	29997.7	28683.2	26271.2	28623.5	32192.7	33809.1	33302.8	28944.2	27849.9	32761.9
55°	31104.7	31117.2	29875.1	27592.0	30526.0	34935.0	36664.6	36296.6	31007.2	29831.0	34060.7
57.5°	32438.0	32485.2	31570.1	29136.1	32343.7	36922.4	38796.7	38655.2	33796.6	32035.5	35287.2
59°	32611.0	32705.3	32372.0	30224.1	33422.3	37532.5	39526.3	39664.7	35290.3	33488.4	35950.7
60°	32296.5	32453.8	32604.7	30840.5	34054.4	37752.7	39570.3	39840.8	36413.0	34475.8	36252.6
62.5°	30925.4	31173.8	31931.7	32736.8	34843.8	37067.1	38164.6	38730.7	37803.0	37070.2	36280.9
65°	29129.8	29258.7	30353.1	33073.3	33312.3	33865.7	34205.4	34931.8	36133.1	38070.3	34982.1
67.5°	26186.3	26566.8	27906.5	31120.4	28793.3	28139.2	28054.3	27331.0	30450.6	35686.6	31780.8
70°	21632.7	21802.5	23453.5	25513.3	21730.2	20723.9	21126.4	20855.9	23604.4	30721.0	25579.3
72.5°	16359.0	16742.6	18355.9	20337.1	14786.6	13481.5	14591.6	14491.0	17730.1	24689.4	17572.8
75°	11638.7	11887.1	13943.8	15915.5	10355.6	8773.8	9173.2	9547.4	12377.7	19494.3	10383.9
77.5°	7997.1	8210.9	9755.0	10525.5	7553.7	7236.1	6619.7	6981.3	8110.3	11566.4	5651.1
80°	4824.0	4814.6	5830.4	6019.0	5261.2	6110.2	5125.9	5754.9	4902.7	4949.8	2188.7
82.5°	3132.2	3100.7	3566.1	3886.9	2927.8	3078.7	2066.1	2978.1	3195.1	1380.5	691.8
85°	1402.6	1462.3	1713.9	2261.1	1283.1	682.4	421.4	915.1	1361.7	695.0	0.0
87.5°	144.7	113.2	301.9	550.3	176.1	18.9	62.9	31.4	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



REPORT NUMBER: P457423

CATALOG NUMBER: GLAN-SA8D-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	13833.7	13833.7	13833.7	13833.7	13833.7	13833.7	13833.7	13833.7	13833.7	13833.7	13833.7
2.5°	14969.0	14786.6	14242.5	13733.1	13296.0	12761.4	12415.4	11871.4	11541.2	11440.6	11456.3
5°	14368.3	13843.2	12808.5	11981.5	11060.1	10534.9	9736.1	8968.8	8553.7	8399.6	8330.4
7.5°	13110.4	12547.5	11299.1	10000.3	9012.8	8091.4	7497.1	6820.9	6358.7	5978.2	5912.1
10°	12176.4	11437.4	9890.2	8494.0	7714.1	7022.2	6427.9	5751.7	5207.7	4773.7	4654.2
12.5°	11616.7	10789.6	9063.2	7893.3	7154.3	6443.6	5670.0	4886.9	4330.3	3861.7	3644.8
15°	11516.1	10556.9	8830.4	7462.5	6550.5	5692.0	4663.7	3817.7	3245.4	2802.0	2666.7
17.5°	12123.0	10975.2	8795.8	7012.8	5761.2	4544.2	3474.9	2773.7	2129.0	1880.6	1783.1
20°	13204.8	11714.2	8792.7	6490.8	4949.8	3500.1	2440.3	1808.2	1547.2	1427.7	1371.1
22.5°	14679.7	12720.5	8959.4	6041.1	4107.0	2581.8	1742.2	1440.3	1289.3	1191.9	1169.8
25°	16481.6	14211.1	9368.2	5736.0	3462.4	2025.2	1437.1	1232.7	1106.9	1062.9	1044.1
27.5°	18082.3	15638.8	9817.9	5421.5	3000.1	1792.5	1333.4	1129.0	1028.3	993.7	965.4
30°	19462.8	16934.4	10034.9	5006.4	2629.0	1641.6	1352.2	1207.6	1075.5	971.7	924.6
32.5°	20613.8	17928.2	10176.4	4629.1	2314.5	1342.8	1069.2	934.0	874.2	836.5	805.1
35°	22054.1	19003.7	10091.5	4415.2	2154.1	1223.3	974.9	805.1	704.4	628.9	597.5
37.5°	23563.6	20079.2	9943.7	4239.1	2081.8	1135.3	927.7	764.2	654.1	575.5	534.6
40°	25126.5	21076.1	9770.7	4075.6	2015.8	1078.6	899.4	729.6	619.5	534.6	490.6
42.5°	26557.4	22047.8	9701.5	3968.7	1908.9	1088.1	877.4	713.9	584.9	496.9	459.1
45°	27714.6	22969.2	9795.9	3912.1	1792.5	1072.4	883.7	695.0	556.6	471.7	434.0
47.5°	28950.5	24271.1	10100.9	3855.5	1679.3	996.9	930.8	691.8	544.0	456.0	415.1
50°	30387.7	25937.8	10799.1	3717.1	1540.9	915.1	990.6	688.7	528.3	437.1	396.2
52.5°	32302.8	27831.0	11519.2	3474.9	1339.7	836.5	946.6	679.3	496.9	415.1	374.2
55°	34023.0	29824.8	12129.3	3188.8	1084.9	723.3	852.2	638.4	443.4	377.4	339.6
57.5°	34733.7	30950.6	12110.4	2792.5	867.9	635.2	701.3	584.9	386.8	333.3	301.9
59°	34472.7	30809.1	11704.7	2500.1	792.5	588.1	581.8	578.6	361.6	301.9	276.7
60°	34104.7	30293.3	11267.6	2355.4	745.3	556.6	534.6	572.3	339.6	283.0	257.9
62.5°	32695.9	28154.9	9817.9	2110.1	682.4	471.7	427.7	484.3	301.9	245.3	223.3
65°	30655.0	24868.6	8311.6	2040.9	663.5	389.9	355.4	345.9	257.9	207.6	188.7
67.5°	26673.7	21044.6	6732.9	1993.8	669.8	327.1	311.3	261.0	213.8	173.0	160.4
70°	21356.0	16409.3	5512.7	1940.3	676.1	267.3	261.0	207.6	173.0	144.7	132.1
72.5°	12975.2	9726.7	4339.7	1685.6	657.3	213.8	232.7	157.2	125.8	103.8	97.5
75°	8022.2	6657.4	2691.9	1311.4	434.0	157.2	163.5	97.5	84.9	66.0	66.0
77.5°	4647.9	4204.5	962.3	471.7	191.8	94.3	72.3	50.3	47.2	28.3	28.3
80°	1927.7	1544.1	333.3	160.4	103.8	44.0	15.7	3.1	0.0	0.0	0.0
82.5°	562.9	500.0	91.2	72.3	31.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	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	0.0



REPORT NUMBER: P457423

CATALOG NUMBER: GLAN-SA8D-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	13833.7	13833.7	13833.7	13833.7	13833.7	13833.7	13833.7	13833.7	13833.7	13833.7	13833.7
2.5°	11189.0	11085.2	11038.1	11198.4	11050.6	11239.3	11094.7	11157.6	11343.1	11424.9	11635.6
5°	8374.5	8267.5	8217.2	8459.4	8446.8	8566.3	8553.7	8663.8	8758.1	8547.4	8764.4
7.5°	5833.5	5761.2	5880.7	6069.4	6270.6	6204.6	6204.6	6056.8	6107.1	6075.6	6066.2
10°	4437.2	4188.8	4125.9	4119.6	4195.1	4210.8	4125.9	3921.5	3997.0	4019.0	4151.1
12.5°	3490.7	3298.8	3006.4	2874.3	2839.7	2868.0	2588.1	2408.9	2493.8	2443.5	2572.4
15°	2503.2	2346.0	2173.0	2025.2	1984.3	1927.7	1622.7	1408.8	1383.7	1393.1	1415.1
17.5°	1786.2	1679.3	1679.3	1522.1	1437.1	1267.3	1113.2	1018.9	1009.5	1018.9	1034.6
20°	1317.6	1261.0	1254.8	1213.9	1119.5	1006.3	899.4	880.5	874.2	890.0	896.3
22.5°	1135.3	1075.5	1025.2	1022.0	934.0	839.6	789.3	764.2	767.3	773.6	789.3
25°	1015.8	952.9	899.4	867.9	805.1	739.0	691.8	679.3	679.3	688.7	691.8
27.5°	930.8	852.2	805.1	761.0	704.4	647.8	606.9	597.5	591.2	597.5	613.2
30°	871.1	792.5	732.7	666.7	622.7	569.2	534.6	522.0	518.9	522.0	534.6
32.5°	745.3	698.1	651.0	591.2	537.8	503.2	465.4	443.4	443.4	449.7	462.3
35°	562.9	537.8	534.6	518.9	474.9	437.1	393.1	371.1	371.1	383.7	389.9
37.5°	496.9	449.7	443.4	437.1	418.3	367.9	327.1	308.2	305.0	314.5	327.1
40°	452.8	399.4	371.1	364.8	367.9	311.3	267.3	248.4	248.4	251.6	264.2
42.5°	418.3	355.4	305.0	298.8	311.3	261.0	217.0	198.1	198.1	198.1	213.8
45°	389.9	317.6	257.9	226.4	245.3	213.8	176.1	157.2	150.9	157.2	163.5
47.5°	371.1	289.3	226.4	182.4	182.4	169.8	141.5	119.5	113.2	116.4	125.8
50°	355.4	264.2	191.8	147.8	132.1	135.2	106.9	91.2	84.9	84.9	94.3
52.5°	330.2	239.0	166.7	125.8	100.6	91.2	78.6	66.0	62.9	66.0	72.3
55°	298.8	217.0	144.7	103.8	78.6	62.9	56.6	47.2	44.0	47.2	56.6
57.5°	264.2	182.4	116.4	81.8	53.5	40.9	37.7	31.4	25.2	28.3	34.6
59°	242.1	163.5	100.6	66.0	40.9	28.3	28.3	22.0	15.7	18.9	28.3
60°	232.7	150.9	84.9	56.6	34.6	22.0	22.0	15.7	9.4	12.6	22.0
62.5°	198.1	125.8	66.0	34.6	15.7	3.1	9.4	3.1	0.0	3.1	9.4
65°	166.7	100.6	44.0	15.7	0.0	0.0	0.0	0.0	0.0	0.0	3.1
67.5°	138.4	75.5	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	110.1	50.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	75.5	28.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	47.2	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	18.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	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	0.0



REPORT NUMBER: P457423

CATALOG NUMBER: GLAN-SA8D-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	13833.7	13833.7	13833.7	13833.7	13833.7	13833.7	13833.7	13833.7	13833.7	13833.7
2.5°	11648.1	12097.8	12374.6	12896.6	13431.2	13843.2	14358.9	14821.2	15013.0	15113.6
5°	8984.5	9610.3	10141.8	10937.4	11676.4	12575.8	13487.8	14563.3	14975.3	15082.2
7.5°	6305.2	6943.6	7500.2	8421.6	9475.1	10679.6	12044.4	13409.2	14009.8	14179.7
10°	4553.6	5236.0	5915.3	6836.7	7821.0	9126.0	10547.5	12236.2	12928.0	13060.1
12.5°	2874.3	3607.0	4710.8	5849.2	6890.1	7940.5	9427.9	11264.5	12028.6	12270.8
15°	1666.7	2213.9	3047.3	4531.6	5855.5	7245.5	8868.2	10899.7	11755.1	12003.5
17.5°	1116.4	1305.1	1877.4	3012.7	4761.1	6604.0	8726.7	11198.4	12145.0	12462.6
20°	940.3	1025.2	1226.5	1836.5	3666.8	6031.6	8764.4	12009.8	13252.0	13648.2
22.5°	827.1	905.7	1034.6	1320.8	2559.8	5320.9	8943.7	13170.2	14774.0	15280.3
25°	729.6	808.2	921.4	1094.4	1720.2	4500.1	9336.7	14868.3	16789.8	17346.4
27.5°	647.8	720.1	817.6	965.4	1323.9	3585.0	9685.8	16522.5	18629.5	19082.3
30°	572.3	632.1	726.4	839.6	1100.7	2764.2	9861.9	17969.1	19969.1	20472.3
32.5°	496.9	553.5	644.7	735.9	905.7	2107.0	9739.3	19032.0	21271.0	21591.8
35°	424.5	484.3	559.8	644.7	783.0	1701.3	9126.0	20227.0	22620.1	22871.7
37.5°	364.8	415.1	493.7	559.8	707.6	1361.7	8383.9	21302.5	24132.8	24494.4
40°	308.2	358.5	437.1	496.9	651.0	1072.4	7714.1	22497.5	25727.2	26173.7
42.5°	251.6	311.3	380.5	478.0	559.8	817.6	6902.7	23466.1	26925.3	27485.1
45°	201.3	267.3	342.8	474.9	487.4	622.7	6119.7	24220.8	27985.1	28488.2
47.5°	160.4	226.4	330.2	443.4	399.4	493.7	5673.1	25010.1	28865.6	29268.1
50°	128.9	188.7	345.9	389.9	333.3	418.3	5660.5	25890.7	29321.6	29588.9
52.5°	103.8	154.1	292.5	298.8	283.0	367.9	6000.2	26881.3	29787.0	30007.1
55°	88.1	128.9	191.8	220.1	254.7	333.3	6254.9	28406.5	30897.1	31104.7
57.5°	69.2	110.1	147.8	176.1	226.4	305.0	6289.5	29582.6	32302.8	32438.0
59°	59.8	94.3	132.1	157.2	207.6	286.2	6148.0	29654.9	32394.0	32611.0
60°	50.3	84.9	116.4	147.8	191.8	270.4	5993.9	29129.8	32054.4	32296.5
62.5°	37.7	66.0	84.9	119.5	157.2	232.7	5264.3	27296.4	30755.6	30925.4
65°	25.2	47.2	62.9	88.1	122.6	201.3	4289.4	24919.0	28749.2	29129.8
67.5°	15.7	34.6	50.3	66.0	100.6	169.8	3056.7	21368.5	25941.0	26186.3
70°	9.4	22.0	37.7	53.5	78.6	135.2	1814.5	16890.4	21582.4	21632.7
72.5°	6.3	15.7	25.2	37.7	62.9	122.6	880.5	11009.7	15758.3	16359.0
75°	3.1	9.4	15.7	28.3	50.3	100.6	421.4	7355.6	11465.7	11638.7
77.5°	0.0	3.1	9.4	18.9	37.7	78.6	245.3	4830.3	7817.8	7997.1
80°	0.0	0.0	6.3	15.7	28.3	50.3	147.8	2849.1	4736.0	4824.0
82.5°	0.0	0.0	3.1	12.6	18.9	37.7	75.5	1251.6	3100.7	3132.2
85°	0.0	0.0	3.1	12.6	15.7	25.2	28.3	169.8	1377.4	1402.6
87.5°	0.0	0.0	3.1	15.7	15.7	15.7	15.7	9.4	116.4	144.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)