

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: P457134

Luminaire Tested: **GLAN-SA8C-722-U-SLL**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P457134
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8C-722-U-SLL
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2200K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35973 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 429
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

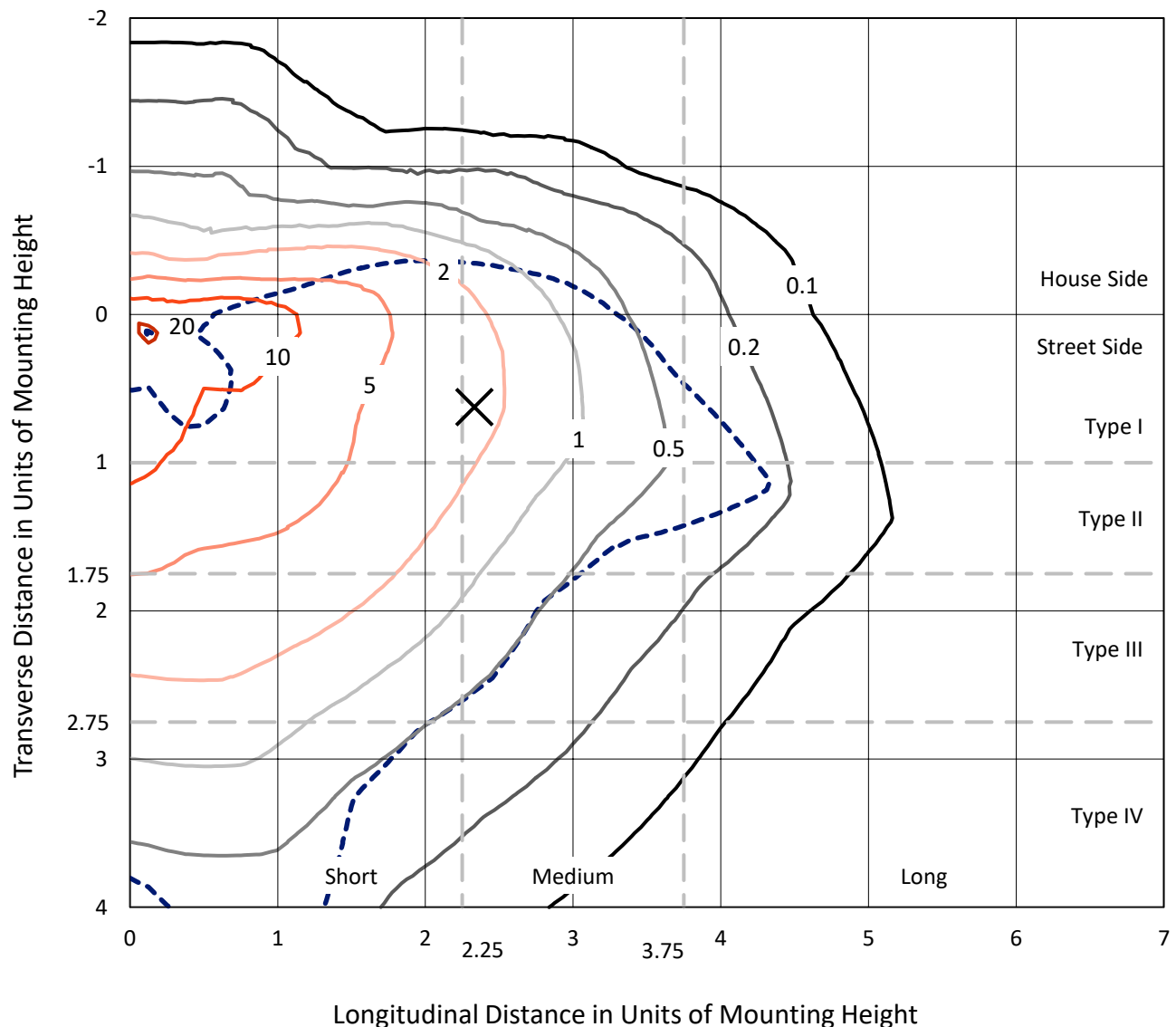


REPORT NUMBER: P457134

CATALOG NUMBER: GLAN-SA8C-722-U-SLL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

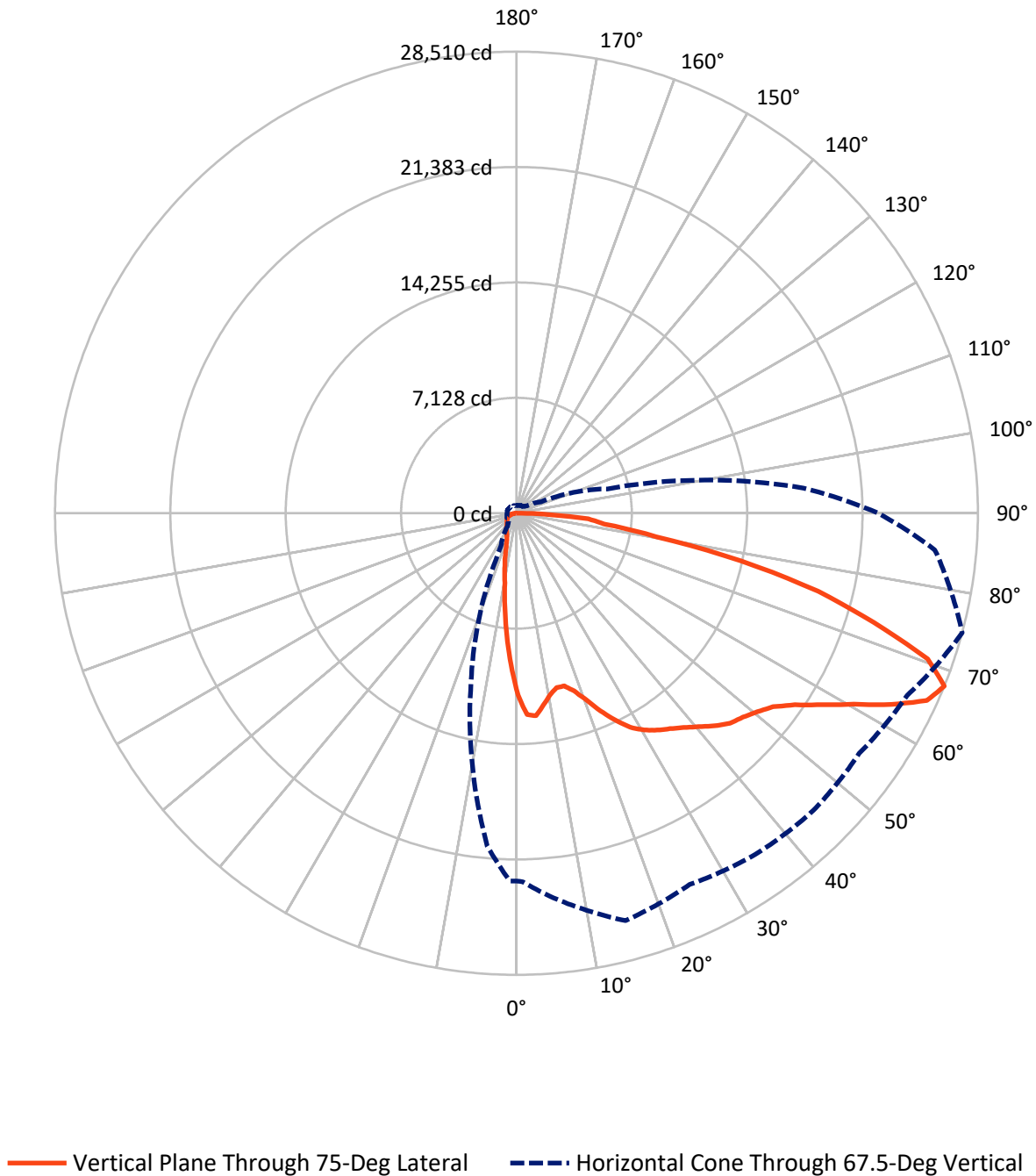


Based on 25 foot mounting height. Maximum calculated value = 22.2 fc
 Type III - Medium - N/A

REPORT NUMBER: P457134

CATALOG NUMBER: GLAN-SA8C-722-U-SLL

Luminous Intensity Polar Plot



REPORT NUMBER: P457134

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6080.2	0.0	6080.2
	% Fixture	16.9	0.0	16.9
Street Side	Lumens	29892.8	0.0	29892.8
	% Fixture	83.1	0.0	83.1
Total	Lumens	35973.0	0.0	35973.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	852.4	2.4
10°-20°	1777.8	4.9
20°-30°	2558.2	7.1
30°-40°	3684.6	10.2
40°-50°	5175.8	14.4
50°-60°	7218.5	20.1
60°-70°	8582.3	23.9
70°-80°	5054.5	14.1
80°-90°	1068.8	3.0
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°	35973.0	100.0
0°-180°	35973.0	100.0

Coefficient of Utilization



REPORT NUMBER: P457134

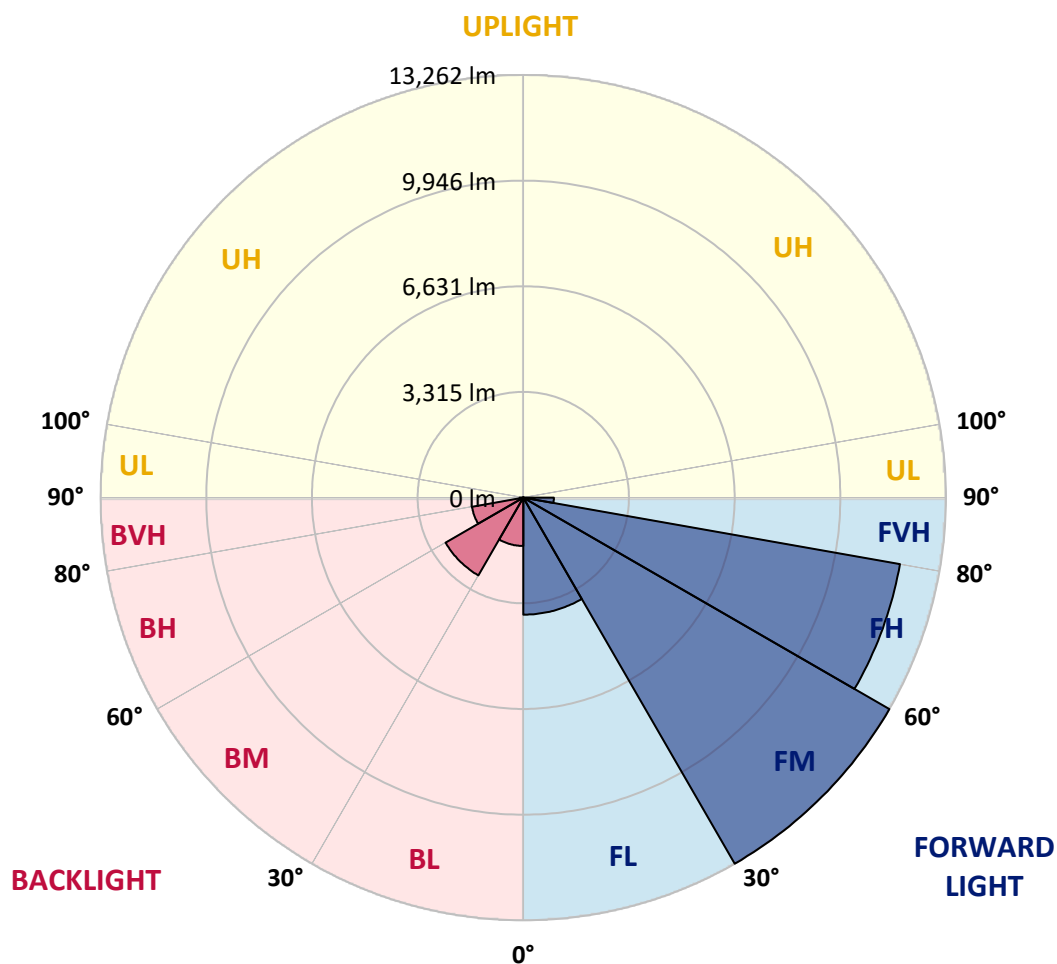
CATALOG NUMBER: GLAN-SA8C-722-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3671.9	10.2			
FM	(30°-60°)	13261.9	36.9			
FH	(60°-80°)	12000.7	33.4			G5
FVH	(80°-90°)	958.3	2.7			G5
BL	(0°-30°)	1516.6	4.2	B3/2500		
BM	(30°-60°)	2817.0	7.8	B3/5000		
BH	(60°-80°)	1636.1	4.5	B3/2500		G3/2500
BVH	(80°-90°)	110.6	0.3			G2/225
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 Medium





REPORT NUMBER: P457134

CATALOG NUMBER: GLAN-SA8C-722-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11238.8	11238.8	11238.8	11238.8	11238.8	11238.8	11238.8	11238.8	11238.8	11238.8	11238.8
2.5°	12117.7	12133.9	12237.7	12539.9	12747.5	12823.6	12876.7	12777.5	12680.6	12445.3	12090.0
5°	12080.8	12175.4	12445.3	13123.5	13658.7	13889.4	13958.6	13661.0	13169.6	12565.2	11838.6
7.5°	11374.9	11501.8	11917.0	13054.3	13997.8	14537.6	14466.1	13928.6	13042.7	11965.5	10950.5
10°	10537.5	10678.3	11178.8	12553.7	13769.4	14512.2	14512.2	13857.1	12680.6	11400.3	10230.7
12.5°	9873.2	10020.8	10592.9	12039.3	13294.2	13997.8	14115.4	13552.6	12419.9	11042.7	9757.8
15°	9654.0	9797.1	10413.0	11727.9	12791.3	13220.4	13259.6	13075.0	12293.0	11068.1	9737.1
17.5°	9926.2	10110.8	10733.6	11820.1	12329.9	12355.3	12385.3	12530.6	12306.9	11531.8	10156.9
20°	10712.9	10911.2	11561.8	12117.7	11926.2	11663.3	11679.4	12053.1	12470.7	12297.6	11160.4
22.5°	11847.8	12020.8	12687.5	12641.4	11755.5	11213.4	11100.4	11621.7	12712.9	13252.7	12228.4
25°	13072.7	13275.7	14041.6	13418.8	11804.0	10945.9	10874.3	11368.0	12964.3	14145.4	13462.6
27.5°	14475.3	14673.7	15278.1	14203.1	12057.7	10925.1	10839.7	11344.9	13190.4	14971.2	14641.4
30°	15518.0	15700.2	16110.8	14862.8	12369.2	11063.5	10957.4	11527.2	13384.2	15536.4	15790.2
32.5°	16336.9	16526.0	16749.8	15273.4	12779.8	11314.9	11118.9	11859.4	13637.9	15967.8	16641.4
35°	17190.4	17414.2	17398.0	15637.9	13162.7	11605.6	11414.1	12339.2	14037.0	16343.8	17721.0
37.5°	18272.3	18362.3	18246.9	15965.5	13621.8	12129.2	12023.1	13052.0	14604.5	16798.2	18982.8
40°	19370.3	19550.3	18957.4	16362.3	14180.0	13114.3	13102.7	14106.2	15278.1	17331.1	20205.4
42.5°	20311.5	20463.8	19621.8	16708.3	14855.9	14316.1	14403.8	15520.3	16161.6	17949.3	21188.1
45°	21019.7	21155.8	20235.4	17042.8	15746.3	15704.8	16221.5	17035.8	17275.8	18505.3	21764.8
47.5°	21621.8	21753.3	20662.2	17550.3	16846.7	17363.4	18263.1	18616.0	18228.5	18823.6	22410.7
50°	22129.3	22168.5	20955.1	18154.7	18212.3	19395.7	20267.7	20496.1	19169.7	19280.4	22971.3
52.5°	22657.6	22606.8	21460.3	18915.9	19688.7	21324.2	21958.6	22196.2	20071.6	19843.2	23787.9
55°	23841.0	23889.4	22593.0	19875.5	21181.2	23218.1	24053.2	23824.8	21070.5	20879.0	24826.0
57.5°	25271.2	25229.7	24187.0	21377.3	22701.4	24980.5	25603.4	25236.6	22403.8	22302.3	25877.9
60°	25827.1	25882.5	25520.3	22992.1	24200.8	26523.8	27160.5	26590.7	24002.4	23956.3	26671.4
62.5°	25268.9	25580.3	25824.8	24429.2	25478.8	27658.7	28290.8	27640.3	25670.3	26004.8	27227.4
65°	24157.0	24223.9	25056.7	25647.2	26094.7	27845.6	28175.5	27829.5	27063.6	27871.0	27202.0
67.5°	22712.9	22770.6	23746.4	26046.3	25301.2	25723.3	25954.0	25852.5	26632.2	28510.0	25949.4
70°	21338.1	21291.9	22323.1	25029.0	22025.5	21384.2	21575.7	21257.3	22980.5	26948.2	23492.6
72.5°	18662.2	18828.2	19935.5	22200.8	17439.5	16396.9	16814.4	15990.9	17674.8	23079.7	19068.2
75°	14618.3	14657.5	16505.3	18632.2	13155.8	11511.0	12076.2	11732.5	13538.7	19252.7	13167.3
77.5°	10122.3	10034.7	12020.8	14230.8	9381.8	8426.8	8436.0	8272.2	9453.3	14175.4	8945.8
80°	6429.1	6295.3	7524.8	8791.3	6447.6	6897.4	6671.3	6664.4	6154.6	8745.1	5409.5
82.5°	3474.1	3621.7	4754.4	5511.0	4625.2	5331.1	4885.8	4742.8	4223.8	5474.1	3460.2
85°	1582.5	1720.9	2535.2	3748.6	3513.3	3552.5	2373.7	2800.5	3494.8	4445.2	1847.8
87.5°	154.6	198.4	523.6	1769.3	1199.5	945.8	352.9	680.5	878.9	1580.2	147.6
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: P457134

CATALOG NUMBER: GLAN-SA8C-722-U-SLL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11238.8	11238.8	11238.8	11238.8	11238.8	11238.8	11238.8	11238.8	11238.8	11238.8	11238.8
2.5°	11944.7	11824.7	11416.4	11079.6	10722.1	10449.9	10094.6	9857.0	9693.2	9446.4	9416.4
5°	11395.7	11102.7	10392.2	9667.9	9042.7	8572.1	8094.6	7656.3	7398.0	7317.2	7213.4
7.5°	10470.6	9977.0	9063.5	8233.0	7515.6	6814.3	6274.5	5891.6	5635.6	5485.6	5305.7
10°	9709.4	9137.3	8025.4	7008.1	6417.6	5981.6	5506.4	5095.8	4779.7	4509.8	4362.2
12.5°	9197.3	8551.4	7301.1	6475.2	6018.5	5554.8	4998.9	4537.5	4071.5	3764.7	3633.2
15°	9042.7	8359.9	7077.3	6210.0	5554.8	4948.1	4325.3	3723.2	3261.8	2971.2	2874.3
17.5°	9421.0	8595.2	7075.0	5857.0	5010.4	4286.1	3487.9	2922.7	2449.8	2233.0	2163.8
20°	10126.9	9047.3	7095.8	5508.7	4419.9	3400.2	2537.5	2073.8	1847.8	1755.5	1720.9
22.5°	11111.9	9737.1	7158.1	5165.0	3774.0	2611.3	1900.8	1665.5	1584.8	1568.6	1561.7
25°	12325.3	10590.6	7368.0	4855.9	3229.5	1993.1	1589.4	1483.3	1437.1	1421.0	1418.7
27.5°	13441.8	11693.3	7621.7	4590.6	2703.6	1718.6	1437.1	1347.2	1301.0	1298.7	1303.4
30°	14449.9	12616.0	7834.0	4293.0	2304.5	1527.1	1338.0	1248.0	1204.2	1201.9	1215.7
32.5°	15321.9	13374.9	7990.8	4000.0	2083.1	1409.5	1248.0	1151.1	1114.2	1107.3	1114.2
35°	16253.8	14131.6	7919.3	3771.6	1956.2	1312.6	1181.1	1086.5	1042.7	1021.9	1021.9
37.5°	17317.3	14911.3	7797.0	3582.5	1898.5	1231.8	1123.4	1031.1	987.3	966.6	964.2
40°	18477.6	15691.0	7628.6	3414.1	1840.8	1183.4	1084.2	987.3	934.3	913.5	908.9
42.5°	19501.8	16357.6	7490.2	3303.4	1746.3	1192.6	1049.6	955.0	888.1	860.4	858.1
45°	20392.3	17028.9	7464.9	3238.8	1667.8	1178.8	1040.4	929.6	851.2	821.2	816.6
47.5°	21088.9	17727.9	7610.2	3201.9	1582.5	1105.0	1100.4	913.5	818.9	786.6	782.0
50°	21937.8	18719.8	7942.4	3125.7	1504.0	1035.8	1162.6	911.2	793.5	752.0	740.5
52.5°	23068.2	20011.6	8392.2	2989.6	1391.0	971.2	1109.6	911.2	763.6	722.0	708.2
55°	24777.5	21658.7	8832.8	2798.2	1231.8	885.8	1001.2	883.5	719.7	682.8	673.6
57.5°	25910.2	22862.9	9114.2	2532.9	1033.5	823.5	862.7	839.7	675.9	636.7	636.7
60°	25967.8	23185.8	8980.4	2198.4	908.9	765.9	749.7	846.6	636.7	595.2	590.5
62.5°	25303.5	22394.6	8283.8	1898.5	842.0	703.6	678.2	742.8	597.5	555.9	549.0
65°	24265.4	20376.1	7075.0	1755.5	805.1	648.2	611.3	609.0	555.9	516.7	507.5
67.5°	22357.7	17806.3	5813.2	1672.4	786.6	585.9	551.3	539.8	507.5	475.2	470.6
70°	19545.7	14913.6	4662.1	1637.8	777.4	521.3	493.7	479.8	452.1	426.8	424.5
72.5°	15206.5	12097.0	3847.8	1614.8	772.8	461.4	431.4	412.9	396.8	373.7	373.7
75°	10922.8	8899.7	2936.6	1455.6	715.1	396.8	364.5	352.9	329.9	311.4	316.0
77.5°	6885.9	5993.1	1933.1	1070.4	553.6	318.3	290.7	283.7	265.3	239.9	256.1
80°	4650.5	4214.6	1128.0	673.6	348.3	233.0	223.8	221.5	200.7	173.0	175.3
82.5°	3165.0	3105.0	585.9	382.9	200.7	136.1	131.5	136.1	113.0	92.3	92.3
85°	1236.5	1688.6	276.8	149.9	64.6	20.8	30.0	32.3	18.5	9.2	11.5
87.5°	23.1	173.0	6.9	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: P457134

CATALOG NUMBER: GLAN-SA8C-722-U-SLL

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	11238.8	11238.8	11238.8	11238.8	11238.8	11238.8	11238.8	11238.8	11238.8	11238.8	11238.8
2.5°	9370.3	9349.5	9384.1	9236.5	9266.5	9321.9	9349.5	9365.7	9594.1	9541.0	9686.3
5°	7310.3	7289.5	7423.3	7441.8	7511.0	7497.2	7564.1	7580.2	7663.2	7693.2	7896.2
7.5°	5317.2	5407.2	5559.4	5637.9	5755.5	5792.4	5757.8	5843.2	5670.2	5794.7	5831.6
10°	4272.2	4163.8	4099.2	4279.1	4302.2	4472.9	4403.7	4348.4	4449.9	4454.5	4551.4
12.5°	3557.1	3324.1	3169.6	3220.3	3275.7	3349.5	3361.0	3471.8	3545.6	3614.8	3672.5
15°	2788.9	2708.2	2567.5	2498.3	2576.7	2606.7	2678.2	2770.5	2848.9	2869.7	2948.1
17.5°	2140.7	2154.6	2131.5	2090.0	2138.4	2161.5	2166.1	2168.4	2189.2	2175.3	2290.7
20°	1723.2	1771.6	1829.3	1838.5	1854.7	1866.2	1845.5	1767.0	1769.3	1817.8	1854.7
22.5°	1559.4	1568.6	1633.2	1654.0	1704.7	1684.0	1624.0	1587.1	1582.5	1594.0	1612.5
25°	1430.2	1444.1	1490.2	1522.5	1561.7	1524.8	1481.0	1446.4	1441.8	1453.3	1471.7
27.5°	1314.9	1335.6	1377.2	1409.5	1446.4	1411.8	1370.2	1340.3	1338.0	1335.6	1347.2
30°	1222.6	1245.7	1275.7	1312.6	1338.0	1308.0	1268.7	1252.6	1250.3	1245.7	1250.3
32.5°	1130.3	1167.2	1197.2	1215.7	1241.1	1218.0	1188.0	1178.8	1162.6	1148.8	1141.9
35°	1026.5	1065.7	1111.9	1135.0	1160.3	1137.3	1116.5	1077.3	1049.6	1047.3	1051.9
37.5°	966.6	982.7	1019.6	1058.8	1084.2	1072.7	1033.5	994.2	987.3	987.3	991.9
40°	913.5	920.4	936.6	987.3	1033.5	998.9	950.4	938.9	938.9	936.6	938.9
42.5°	860.4	867.4	867.4	906.6	980.4	925.0	888.1	888.1	888.1	890.4	897.4
45°	812.0	814.3	812.0	839.7	908.9	862.7	837.4	844.3	848.9	853.5	858.1
47.5°	770.5	772.8	770.5	793.5	828.1	809.7	795.9	805.1	814.3	821.2	825.8
50°	733.6	731.3	735.9	749.7	765.9	770.5	761.2	775.1	779.7	788.9	800.5
52.5°	701.3	699.0	703.6	710.5	733.6	733.6	733.6	745.1	754.3	763.6	779.7
55°	664.4	666.7	673.6	682.8	712.8	708.2	710.5	719.7	729.0	742.8	752.0
57.5°	629.8	634.4	643.6	657.4	687.4	685.1	687.4	692.0	703.6	710.5	719.7
60°	590.5	599.8	611.3	620.5	650.5	648.2	659.7	669.0	675.9	675.9	680.5
62.5°	551.3	565.2	576.7	583.6	615.9	618.2	634.4	641.3	645.9	641.3	648.2
65°	512.1	532.9	537.5	546.7	579.0	581.3	599.8	615.9	611.3	606.7	618.2
67.5°	472.9	498.3	496.0	507.5	539.8	544.4	560.6	588.2	579.0	574.4	583.6
70°	429.1	447.5	449.8	456.7	500.6	493.7	519.0	544.4	537.5	539.8	539.8
72.5°	380.6	396.8	396.8	410.6	456.7	445.2	466.0	493.7	493.7	491.4	491.4
75°	323.0	332.2	341.4	362.2	410.6	396.8	410.6	436.0	440.6	436.0	436.0
77.5°	260.7	274.5	279.1	306.8	341.4	339.1	352.9	364.5	373.7	369.1	369.1
80°	184.5	198.4	216.8	246.8	267.6	274.5	281.4	290.7	295.3	295.3	299.9
82.5°	103.8	124.6	140.7	170.7	179.9	214.5	212.2	219.1	212.2	186.9	207.6
85°	23.1	43.8	62.3	78.4	90.0	124.6	131.5	147.6	122.3	113.0	113.0
87.5°	0.0	0.0	0.0	0.0	0.0	18.5	36.9	50.7	43.8	36.9	36.9
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: P457134

CATALOG NUMBER: GLAN-SA8C-722-U-SLL

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11238.8	11238.8	11238.8	11238.8	11238.8	11238.8	11238.8	11238.8	11238.8	11238.8
2.5°	9808.6	10009.3	10251.5	10669.0	10962.0	11278.0	11596.4	11935.5	12025.4	12117.7
5°	7951.6	8346.1	8560.6	9121.2	9709.4	10456.8	11068.1	11737.1	12016.2	12080.8
7.5°	6023.1	6290.7	6853.6	7421.0	8150.0	8934.3	9870.9	10913.6	11238.8	11374.9
10°	4775.1	5139.6	5633.2	6242.2	6881.2	7725.5	8782.1	10000.1	10461.4	10537.5
12.5°	4064.6	4470.6	5008.1	5651.7	6256.1	6892.8	7958.5	9215.7	9709.4	9873.2
15°	3250.3	3741.7	4362.2	5040.4	5697.8	6394.5	7474.1	8892.8	9462.6	9654.0
17.5°	2553.6	2950.4	3621.7	4357.6	5137.3	6018.5	7372.6	9047.3	9748.6	9926.2
20°	1953.9	2237.6	2802.8	3580.2	4493.7	5647.1	7398.0	9631.0	10470.6	10712.9
22.5°	1688.6	1833.9	2177.6	2918.1	3940.0	5324.1	7501.8	10431.4	11444.1	11847.8
25°	1529.4	1605.5	1799.3	2283.7	3411.8	5010.4	7739.4	11508.7	12805.1	13072.7
27.5°	1393.3	1448.7	1568.6	1917.0	2932.0	4719.7	8016.2	12703.6	14076.2	14475.3
30°	1264.1	1338.0	1451.0	1702.4	2625.2	4454.5	8364.5	13672.5	15146.6	15518.0
32.5°	1164.9	1238.8	1342.6	1552.5	2364.5	4175.3	8572.1	14523.7	16020.8	16336.9
35°	1084.2	1146.5	1254.9	1432.5	2166.1	3963.1	8530.6	15199.6	16867.5	17190.4
37.5°	1026.5	1079.6	1188.0	1319.5	2016.2	3741.7	8509.9	16092.4	17898.6	18272.3
40°	973.5	1028.8	1128.0	1245.7	1866.2	3481.0	8521.4	16978.2	18996.6	19370.3
42.5°	932.0	994.2	1075.0	1224.9	1711.7	3271.1	8521.4	17748.7	19951.7	20311.5
45°	897.4	964.2	1042.7	1222.6	1589.4	3111.9	8463.7	18410.7	20712.9	21019.7
47.5°	867.4	941.2	1054.2	1181.1	1559.4	2996.6	8413.0	18941.3	21333.5	21621.8
50°	846.6	934.3	1121.1	1132.6	1568.6	2962.0	8657.5	19610.3	21880.2	22129.3
52.5°	830.5	936.6	1118.8	1061.1	1552.5	2985.0	9167.3	20655.2	22639.1	22657.6
55°	798.2	934.3	1061.1	980.4	1485.6	3024.2	9822.4	22173.1	23827.1	23841.0
57.5°	765.9	908.9	985.0	911.2	1349.5	3024.2	10611.4	23610.3	25259.7	25271.2
60°	733.6	945.8	865.1	851.2	1171.9	2968.9	11444.1	24242.3	25709.5	25827.1
62.5°	701.3	952.7	772.8	798.2	1042.7	2835.1	12064.7	23543.4	25100.5	25268.9
65°	664.4	768.2	712.8	742.8	975.8	2611.3	11868.6	22263.1	23956.3	24157.0
67.5°	620.5	650.5	648.2	685.1	952.7	2281.4	10835.1	20643.7	22724.5	22712.9
70°	567.5	583.6	590.5	629.8	908.9	2025.4	9028.9	18542.2	21079.7	21338.1
72.5°	512.1	526.0	532.9	567.5	865.1	1880.1	7008.1	15647.1	18258.5	18662.2
75°	452.1	461.4	470.6	500.6	818.9	1665.5	4992.0	11944.7	13983.9	14618.3
77.5°	389.9	389.9	401.4	431.4	689.7	1374.9	3349.5	8378.4	9474.1	10122.3
80°	316.0	318.3	313.7	346.0	507.5	941.2	1903.1	5596.3	6304.5	6429.1
82.5°	242.2	235.3	237.6	253.7	378.3	641.3	1015.0	3476.4	3543.3	3474.1
85°	152.2	152.2	147.6	166.1	242.2	334.5	553.6	2129.2	1663.2	1582.5
87.5°	62.3	50.7	57.7	66.9	115.3	136.1	216.8	438.3	168.4	154.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)