

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: P532632

Luminaire Tested: **GLAN-SA8A-730-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532632
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8A-730-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25047 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 244
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



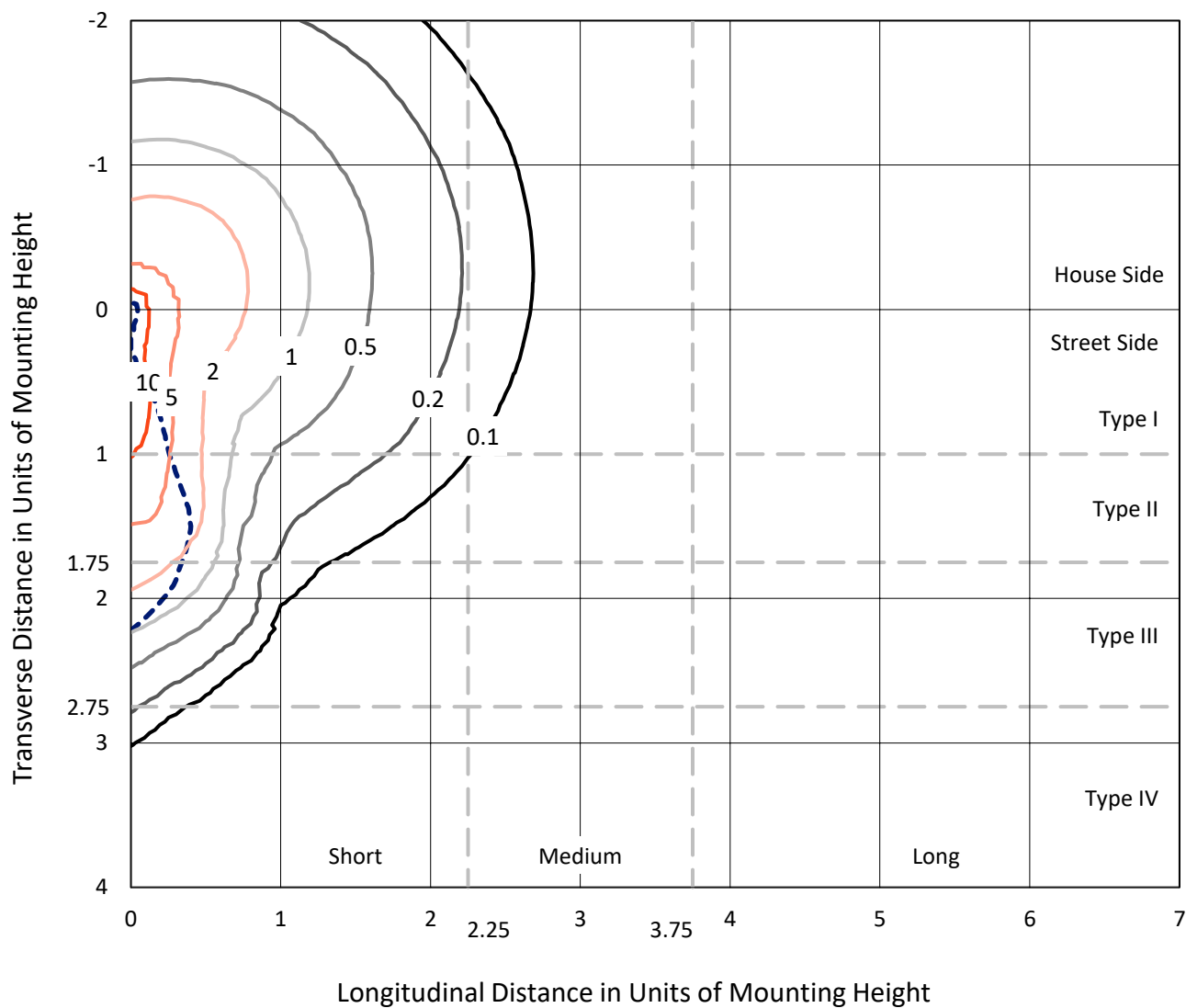
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



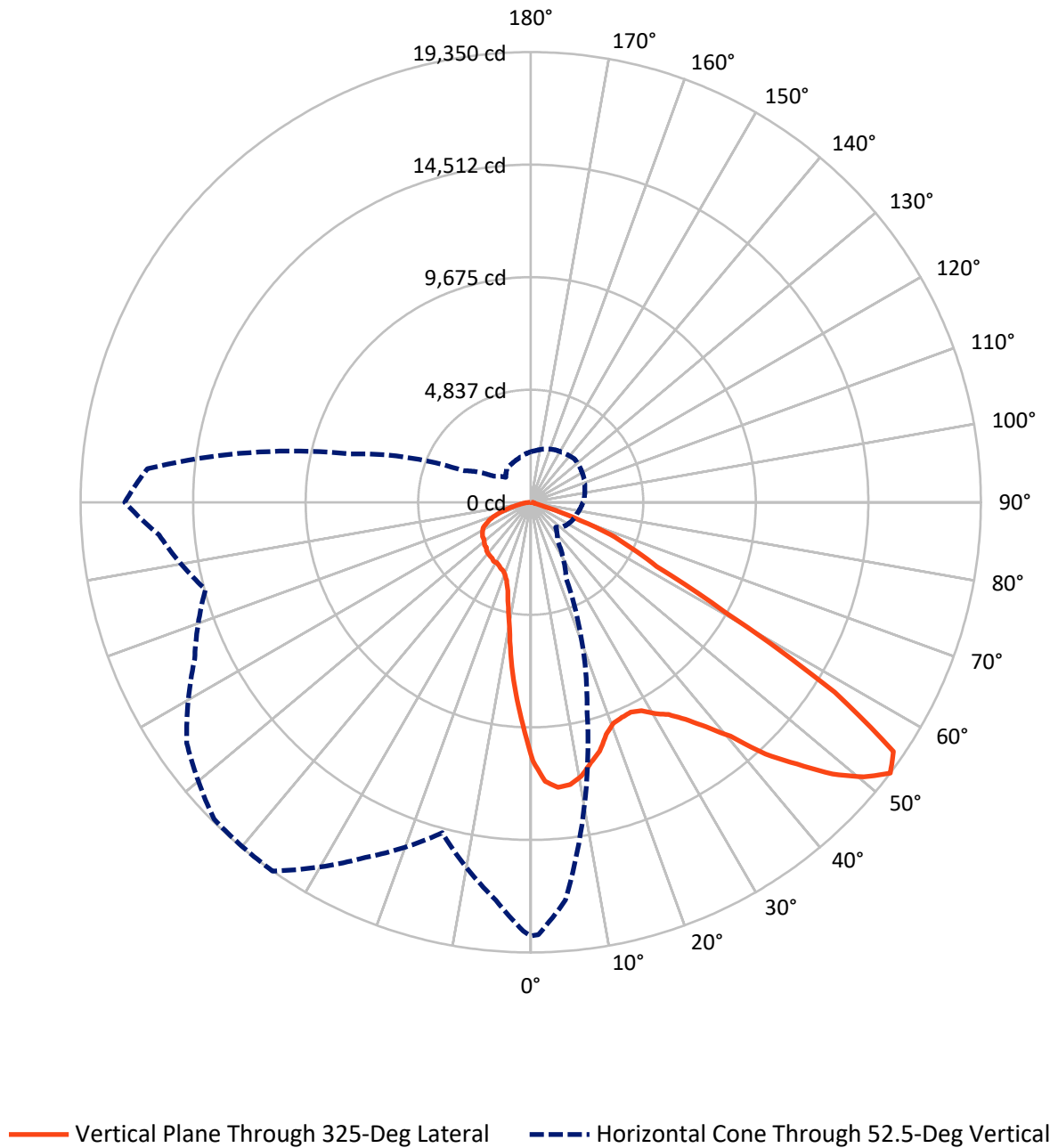
Based on 25 foot mounting height. Maximum calculated value = 17.8 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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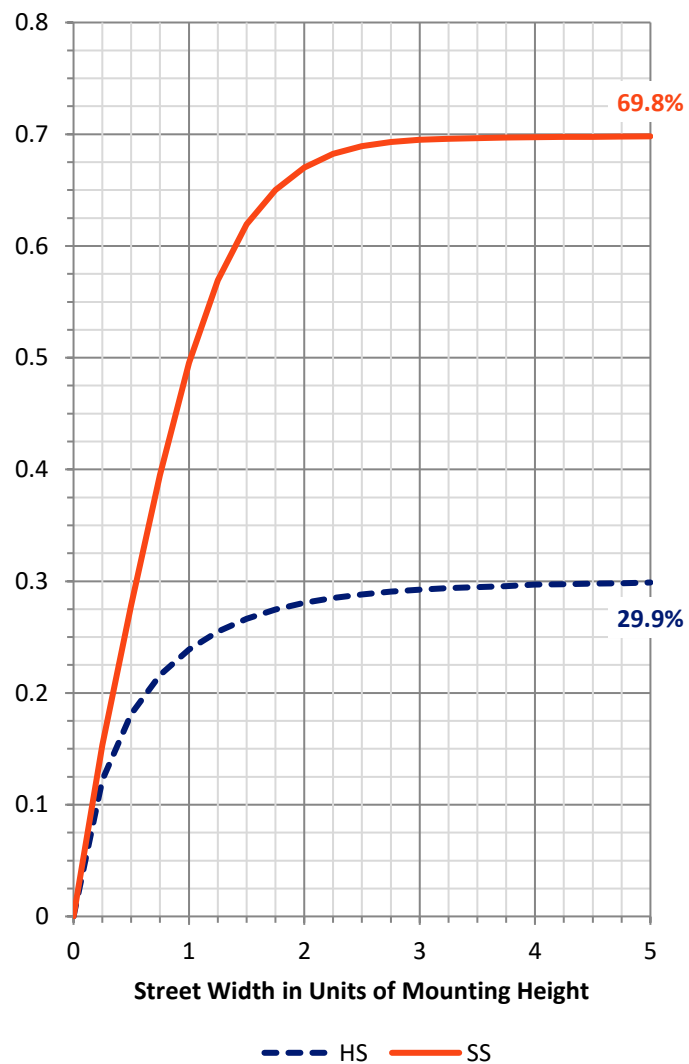
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7550.6	0.0	7550.6
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	17496.4	0.0	17496.4
	% Fixture	69.9	0.0	69.9
Total	Lumens	25047.0	0.0	25047.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	848.1	3.4
10°-20°	1838.5	7.3
20°-30°	2777.8	11.1
30°-40°	4014.0	16.0
40°-50°	5341.9	21.3
50°-60°	5975.0	23.9
60°-70°	3367.5	13.4
70°-80°	750.7	3.0
80°-90°	133.7	0.5
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°	25047.0	100.0
0°-180°	25047.0	100.0

Coefficient of Utilization



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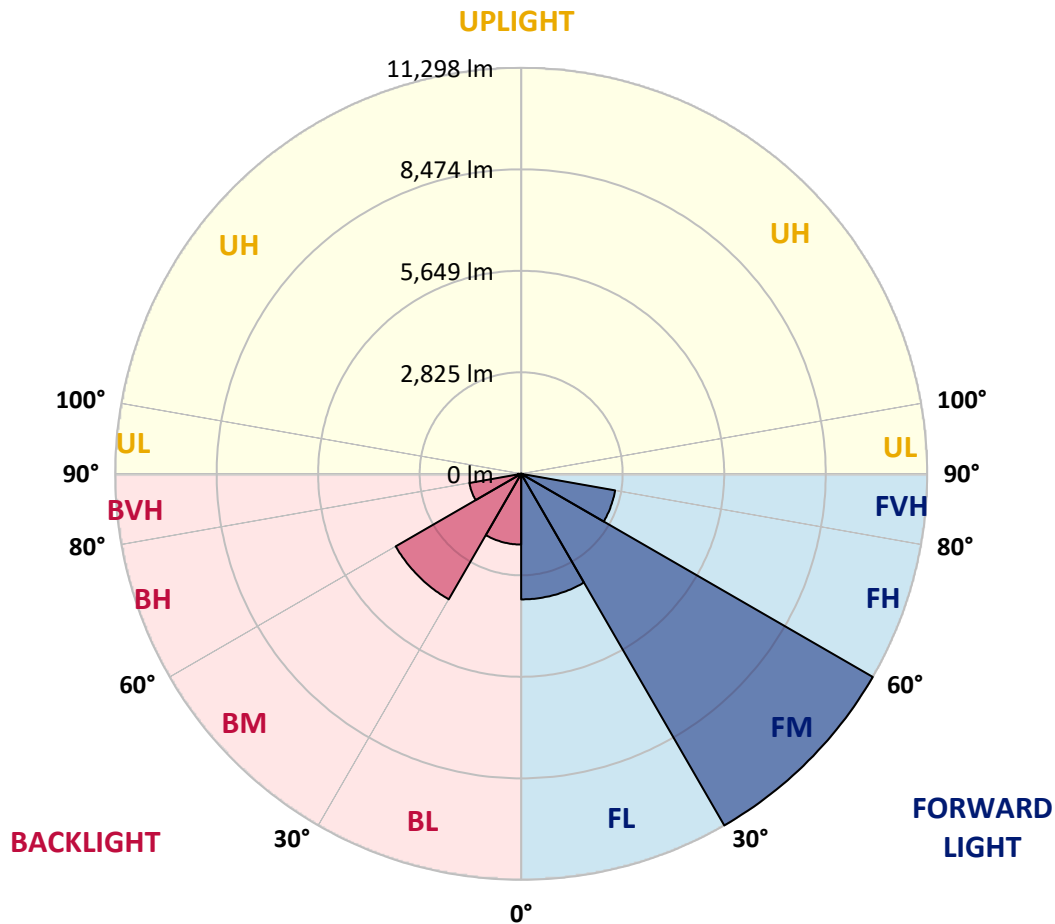
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3495.2	14.0			
FM	(30°-60°)	11298.1	45.1			
FH	(60°-80°)	2654.6	10.6			G2/5000
FVH	(80°-90°)	48.4	0.2			G1/100
BL	(0°-30°)	1969.0	7.9	B3/2500		
BM	(30°-60°)	4032.8	16.1	B3/5000		
BH	(60°-80°)	1463.5	5.8	B3/2500		G3/2500
BVH	(80°-90°)	85.3	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11116.0	11116.0	11116.0	11116.0	11116.0	11116.0	11116.0	11116.0	11116.0	11116.0	11116.0
2.5°	11301.2	11482.7	11286.6	10938.1	10691.3	10466.2	10230.2	10183.0	9874.4	9820.0	9594.9
5°	10658.6	10618.7	10379.1	9921.6	9417.0	8959.6	8622.0	8295.3	8073.8	7816.1	7797.9
7.5°	9878.1	9645.7	9507.8	8814.4	8190.0	7471.2	7162.6	6665.3	6509.1	6276.8	6157.0
10°	9181.1	9010.4	8687.3	7993.9	7122.7	6647.1	6316.7	6048.1	5866.6	5627.0	5325.7
12.5°	8836.2	8767.2	8404.2	7329.6	6683.4	6175.2	5942.8	5681.4	5372.9	4988.0	4839.2
15°	8897.9	8665.6	8389.6	7202.5	6309.5	5819.4	5449.1	5122.4	4726.7	4360.0	4145.8
17.5°	9358.9	9181.1	8629.2	7282.4	6167.9	5460.0	4788.4	4305.5	3949.8	3619.4	3470.6
20°	10266.5	10008.8	9388.0	7384.1	5863.0	4959.0	4189.4	3594.0	3212.8	3038.6	2987.7
22.5°	11272.1	11119.6	10128.6	7612.8	5619.7	4494.3	3554.1	2958.7	2817.1	2769.9	2864.3
25°	12495.5	12099.8	11279.4	7986.7	5430.9	4098.6	3016.8	2686.4	2613.8	2661.0	2769.9
27.5°	13424.9	13319.6	12085.3	8338.8	5173.2	3623.1	2715.5	2497.7	2519.4	2566.6	2668.3
30°	14528.5	13994.8	12865.8	8582.1	4940.9	3296.3	2504.9	2446.8	2468.6	2548.5	2599.3
32.5°	15192.9	14993.2	13355.9	8948.7	4672.2	3013.2	2341.6	2287.1	2319.8	2439.6	2559.4
35°	16038.7	15643.0	13962.2	9043.1	4483.4	2900.6	2225.4	2185.4	2261.7	2345.2	2479.5
37.5°	17026.2	16753.9	14800.8	8977.8	4381.8	2784.4	2127.4	2109.2	2163.7	2279.8	2435.9
40°	17610.6	17527.1	15240.0	9017.7	4222.1	2682.8	2014.8	2036.6	2149.1	2239.9	2392.4
42.5°	18173.3	17628.8	15889.9	9003.2	4120.4	2544.8	2025.7	2000.3	2087.4	2192.7	2337.9
45°	18296.8	17755.9	16042.3	8901.5	3997.0	2410.5	1942.2	1953.1	2058.4	2189.1	2283.5
47.5°	18216.9	17817.6	16325.5	8872.5	3880.8	2316.1	1818.8	1949.5	2011.2	2116.5	2250.8
50°	18162.4	18140.7	16565.1	9010.4	3724.7	2167.3	1669.9	1902.3	1964.0	2069.3	2214.5
52.5°	18641.6	18594.5	17164.1	9373.5	3601.3	2007.6	1517.5	1782.5	1931.3	2033.0	2174.6
55°	18932.1	18725.1	18191.5	9820.0	3394.3	1797.0	1412.2	1633.6	1851.5	1942.2	2087.4
57.5°	17029.8	16888.2	16456.2	9166.5	3045.8	1521.1	1281.5	1481.2	1742.5	1884.1	2033.0
60°	14169.1	13947.7	12840.4	7790.6	2247.2	1183.5	1201.6	1361.4	1713.5	1768.0	1942.2
62.5°	13359.5	12811.4	11304.8	6269.5	1724.4	1016.5	1078.2	1252.5	1561.0	1651.8	1826.0
65°	10600.5	10193.9	8088.3	4527.0	1154.4	882.2	983.8	1129.0	1346.8	1524.7	1684.5
67.5°	6636.2	6247.8	4316.4	2141.9	805.9	755.1	878.5	1031.0	1208.9	1368.6	1546.5
70°	3466.9	3042.2	1993.0	773.3	555.4	617.2	733.3	878.5	1052.8	1183.5	1321.4
72.5°	1292.4	1049.2	649.8	334.0	384.8	471.9	595.4	700.7	824.1	983.8	1060.1
75°	199.7	170.6	167.0	203.3	261.4	341.2	424.7	530.0	638.9	740.6	791.4
77.5°	94.4	90.8	101.6	134.3	174.3	243.2	308.6	410.2	497.4	562.7	591.7
80°	61.7	58.1	65.3	90.8	130.7	181.5	246.9	315.8	395.7	450.2	442.9
82.5°	36.3	39.9	39.9	61.7	90.8	130.7	177.9	239.6	294.1	341.2	312.2
85°	21.8	18.2	18.2	36.3	61.7	105.3	148.8	101.6	105.3	105.3	119.8
87.5°	7.3	7.3	7.3	3.6	7.3	7.3	10.9	18.2	21.8	25.4	32.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11116.0	11116.0	11116.0	11116.0	11116.0	11116.0	11116.0	11116.0	11116.0	11116.0	11116.0
2.5°	9587.7	9700.2	9660.3	9518.7	9627.6	9645.7	9573.1	9823.6	9870.8	9794.6	9816.4
5°	7772.5	7801.5	7866.9	8004.8	8102.9	8219.0	8219.0	8226.3	8128.3	8375.1	8302.5
7.5°	6055.4	6073.5	6149.7	6443.8	6527.3	6748.7	6843.1	6777.8	6581.8	6498.3	6567.2
10°	5227.6	5122.4	5097.0	5133.3	5322.0	5416.4	5496.3	5474.5	5441.8	5376.5	5303.9
12.5°	4675.8	4599.6	4537.9	4450.8	4461.7	4552.4	4614.1	4563.3	4577.8	4592.3	4614.1
15°	4076.8	4022.4	3989.7	3859.0	3844.5	3906.2	3928.0	3957.0	4011.5	4015.1	3989.7
17.5°	3441.5	3394.3	3466.9	3539.6	3488.7	3492.4	3532.3	3557.7	3543.2	3477.8	3445.2
20°	3005.9	3056.7	3129.3	3198.3	3252.8	3285.4	3300.0	3260.0	3212.8	3078.5	3074.9
22.5°	2878.8	2944.2	3005.9	3111.2	3162.0	3245.5	3169.3	3078.5	3013.2	2947.8	2871.6
25°	2784.4	2838.9	2962.3	3002.3	3100.3	3169.3	3114.8	3024.0	2911.5	2817.1	2759.0
27.5°	2715.5	2777.2	2857.1	2966.0	3042.2	3082.1	3027.7	2991.4	2875.2	2762.7	2679.2
30°	2671.9	2737.3	2882.5	2973.2	3038.6	3071.2	2976.9	2933.3	2849.8	2755.4	2682.8
32.5°	2642.9	2701.0	2824.4	2940.6	2984.1	2984.1	2998.6	2947.8	2831.6	2671.9	2610.2
35°	2548.5	2628.3	2730.0	2864.3	2944.2	2991.4	2918.8	2860.7	2784.4	2621.1	2508.5
37.5°	2494.0	2548.5	2679.2	2806.2	2875.2	2926.0	2897.0	2795.3	2693.7	2559.4	2468.6
40°	2435.9	2523.1	2639.2	2759.0	2835.3	2886.1	2864.3	2744.5	2621.1	2494.0	2432.3
42.5°	2396.0	2454.1	2573.9	2708.2	2799.0	2897.0	2831.6	2682.8	2595.7	2421.4	2352.4
45°	2363.3	2457.7	2584.8	2639.2	2733.6	2835.3	2719.1	2628.3	2526.7	2399.6	2341.6
47.5°	2323.4	2410.5	2494.0	2639.2	2682.8	2730.0	2708.2	2563.0	2475.9	2337.9	2298.0
50°	2308.9	2341.6	2494.0	2573.9	2635.6	2682.8	2624.7	2515.8	2432.3	2290.7	2203.6
52.5°	2250.8	2312.5	2410.5	2515.8	2592.0	2650.1	2555.7	2486.8	2374.2	2225.4	2170.9
55°	2178.2	2214.5	2388.7	2497.7	2537.6	2577.5	2541.2	2428.7	2312.5	2160.0	2105.6
57.5°	2083.8	2167.3	2308.9	2461.4	2512.2	2534.0	2475.9	2385.1	2239.9	2105.6	2018.5
60°	1985.8	2072.9	2229.0	2352.4	2403.3	2483.1	2396.0	2341.6	2174.6	2025.7	1931.3
62.5°	1887.8	1985.8	2102.0	2258.1	2301.6	2334.3	2312.5	2236.3	2102.0	1935.0	1818.8
65°	1771.6	1844.2	1989.4	2069.3	2098.3	2174.6	2098.3	2069.3	1949.5	1789.7	1691.7
67.5°	1597.3	1659.1	1786.1	1862.3	1884.1	1916.8	1913.2	1880.5	1746.2	1637.3	1550.1
70°	1397.7	1452.1	1532.0	1622.7	1633.6	1673.6	1637.3	1630.0	1542.9	1394.0	1346.8
72.5°	1121.8	1172.6	1277.9	1317.8	1321.4	1336.0	1317.8	1292.4	1270.6	1114.5	1067.3
75°	860.4	889.4	940.3	976.6	976.6	994.7	983.8	958.4	900.3	802.3	755.1
77.5°	599.0	628.0	693.4	715.2	711.5	718.8	686.1	660.7	573.6	522.8	482.8
80°	435.6	453.8	486.5	501.0	504.6	515.5	475.6	453.8	403.0	344.9	326.7
82.5°	315.8	326.7	330.4	348.5	348.5	330.4	319.5	297.7	261.4	225.1	210.6
85°	130.7	134.3	138.0	159.7	163.4	196.0	181.5	170.6	148.8	127.1	116.2
87.5°	32.7	36.3	47.2	39.9	47.2	47.2	50.8	58.1	58.1	47.2	47.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	11116.0	11116.0	11116.0	11116.0	11116.0	11116.0	11116.0	11116.0	11116.0	11116.0	11116.0
2.5°	9899.9	9928.9	10299.2	10346.4	10527.9	10713.0	11087.0	11355.6	11573.4	11715.0	11754.9
5°	8378.8	8563.9	8734.5	9010.4	9260.9	9616.7	10026.9	10535.2	11174.1	11500.8	11631.5
7.5°	6560.0	6777.8	7024.7	7293.3	7660.0	8298.9	8847.1	9435.2	10252.0	10589.6	11101.5
10°	5354.7	5597.9	5924.7	6131.6	6574.5	7184.4	7823.3	8502.2	9282.7	9769.2	10360.9
12.5°	4733.9	4933.6	5234.9	5670.5	6000.9	6396.6	6872.2	7728.9	8847.1	9308.1	9714.7
15°	4047.8	4269.2	4617.8	5100.6	5496.3	5968.2	6501.9	7434.9	8625.6	9337.2	9682.0
17.5°	3481.5	3641.2	4007.9	4425.3	4879.1	5394.6	6160.6	7420.4	8858.0	9769.2	10331.9
20°	3089.4	3111.2	3310.8	3666.6	4283.8	4955.4	5950.1	7347.7	9602.2	10513.4	11224.9
22.5°	2842.5	2820.8	2824.4	3125.7	3557.7	4523.4	5619.7	7594.6	10448.0	11696.9	12176.1
25°	2719.1	2661.0	2624.7	2690.1	3082.1	4011.5	5369.2	7921.3	11359.2	12673.4	13261.5
27.5°	2653.8	2552.1	2479.5	2490.4	2777.2	3753.7	5213.1	8062.9	12263.2	14034.8	14241.7
30°	2628.3	2501.3	2396.0	2359.7	2548.5	3394.3	4879.1	8306.2	13072.8	14782.6	14960.5
32.5°	2537.6	2381.5	2279.8	2247.2	2323.4	3078.5	4639.5	8480.4	13787.9	15595.8	15534.1
35°	2432.3	2301.6	2174.6	2112.8	2167.3	2875.2	4447.1	8396.9	14630.2	16227.5	16194.8
37.5°	2421.4	2250.8	2145.5	2043.9	2040.2	2624.7	4185.7	8476.8	15167.4	17360.1	16913.6
40°	2327.0	2218.1	2080.2	1996.7	1949.5	2497.7	3931.6	8288.0	15955.2	17817.6	17378.3
42.5°	2330.7	2167.3	2047.5	1949.5	1902.3	2312.5	3757.4	8237.2	16231.1	18561.8	17596.1
45°	2272.6	2112.8	2011.2	1895.0	1869.6	2170.9	3590.4	8001.2	16717.6	18598.1	17323.8
47.5°	2214.5	2072.9	1964.0	1826.0	1768.0	2120.1	3459.7	7805.2	16463.5	18256.8	16946.3
50°	2174.6	2011.2	1909.5	1811.5	1648.2	2033.0	3289.1	7758.0	16107.7	17795.8	16245.6
52.5°	2105.6	1960.4	1855.1	1778.9	1517.5	1953.1	3223.7	8033.9	16543.3	17450.9	16042.3
55°	2040.2	1891.4	1757.1	1608.2	1408.6	1742.5	3042.2	8291.6	17178.6	18245.9	16964.4
57.5°	1971.3	1829.7	1684.5	1506.6	1303.3	1524.7	2853.4	8338.8	15987.9	16862.8	16104.1
60°	1880.5	1699.0	1590.1	1357.7	1190.7	1263.3	2261.7	7351.4	12401.1	14082.0	14107.4
62.5°	1778.9	1582.8	1488.4	1216.2	1074.6	1089.1	1844.2	6178.8	10059.6	11656.9	12350.3
65°	1644.5	1455.8	1343.2	1125.4	991.1	943.9	1350.5	4527.0	7641.8	9457.0	10244.7
67.5°	1470.3	1292.4	1150.8	980.2	885.8	809.6	922.1	2548.5	4512.5	6349.4	6589.0
70°	1285.1	1132.7	983.8	842.2	737.0	682.5	675.2	1129.0	2156.4	3416.1	3888.1
72.5°	1012.9	903.9	784.1	678.9	609.9	530.0	482.8	468.3	729.7	1390.4	1920.4
75°	726.1	635.3	566.3	497.4	446.5	403.0	366.7	334.0	304.9	348.5	479.2
77.5°	457.4	424.7	370.3	352.1	323.1	312.2	297.7	279.5	257.8	243.2	243.2
80°	308.6	286.8	268.6	265.0	254.1	250.5	254.1	236.0	214.2	196.0	203.3
82.5°	206.9	203.3	199.7	196.0	199.7	203.3	210.6	206.9	188.8	177.9	181.5
85°	123.4	130.7	138.0	145.2	159.7	141.6	116.2	98.0	87.1	79.9	76.2
87.5°	47.2	65.3	58.1	54.5	58.1	54.5	50.8	47.2	39.9	36.3	36.3
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: P532632

CATALOG NUMBER: GLAN-SA8A-730-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11116.0	11116.0	11116.0	11116.0	11116.0	11116.0	11116.0	11116.0	11116.0	11116.0
2.5°	12020.0	12092.6	12154.3	12139.8	12012.7	11842.1	11773.1	11421.0	11348.4	11301.2
5°	12183.3	12604.4	12695.2	12640.7	12310.4	11892.9	11486.3	10970.8	10669.5	10658.6
7.5°	11882.0	12401.1	12564.5	12687.9	12248.7	11522.6	10825.6	10052.3	9863.6	9878.1
10°	11116.0	11943.7	12346.7	12473.7	11969.1	11341.1	10375.4	9591.3	9188.3	9181.1
12.5°	10691.3	11341.1	11453.6	11631.5	11482.7	10847.4	10114.0	9235.5	8843.4	8836.2
15°	10313.7	10742.1	10774.8	11025.3	11105.1	10676.7	10183.0	9246.4	8930.6	8897.9
17.5°	10644.1	10346.4	10223.0	10255.6	10491.6	10647.7	10582.4	9863.6	9540.5	9358.9
20°	10865.5	10201.2	9827.3	9863.6	10143.1	10713.0	11177.7	10756.6	10244.7	10266.5
22.5°	11457.3	10223.0	9638.5	9598.5	10041.4	11054.3	11849.3	11885.6	11391.9	11272.1
25°	12343.1	10473.4	9580.4	9569.5	9994.2	11421.0	12633.5	13221.6	12717.0	12495.5
27.5°	13054.6	10865.5	9761.9	9798.2	10143.1	11718.6	13301.5	14082.0	13697.2	13424.9
30°	13679.0	11272.1	10016.0	9849.0	10542.4	11874.7	13588.3	15062.2	14753.6	14528.5
32.5°	13936.8	11849.3	10419.0	10143.1	10872.8	12063.5	14183.6	16013.3	15748.3	15192.9
35°	14372.4	12172.4	10636.8	10615.0	11450.0	12517.3	14463.2	16641.3	16532.4	16038.7
37.5°	14720.9	12499.2	11410.1	11170.5	12241.4	13279.7	14913.3	17509.0	17258.5	17026.2
40°	14989.6	13083.6	12132.5	12448.3	13214.3	13973.1	15327.2	17563.4	18285.9	17610.6
42.5°	14742.7	13606.4	13319.6	14074.7	14800.8	14764.5	15374.4	17984.6	18525.5	18173.3
45°	14681.0	14492.2	15196.5	15882.6	16049.6	15421.6	15036.7	17519.9	18452.9	18296.8
47.5°	14532.1	15363.5	16590.5	17708.7	17454.5	15860.8	14633.8	17436.4	18496.4	18216.9
50°	14481.3	15552.3	17621.5	18710.6	18558.2	16242.0	14445.0	16899.1	18187.9	18162.4
52.5°	14477.7	15940.7	18049.9	19255.2	19349.6	16844.6	14702.8	17171.4	18427.5	18641.6
55°	14641.0	15817.3	17995.5	18953.9	18917.6	16576.0	14731.8	17352.9	18721.5	18932.1
57.5°	13809.7	14169.1	14851.6	15610.3	15414.3	13729.8	13156.2	16042.3	17182.3	17029.8
60°	11925.6	10800.2	10030.5	9994.2	9613.1	9086.7	10767.5	14317.9	14317.9	14169.1
62.5°	10444.4	7090.0	6091.7	5808.5	6080.8	6687.0	10386.3	13925.9	13530.2	13359.5
65°	9133.9	5412.8	4403.6	4323.7	4795.6	5710.5	9391.6	11863.9	11166.8	10600.5
67.5°	5877.5	3964.3	3274.5	3133.0	3702.9	4193.0	6251.4	7296.9	6857.7	6636.2
70°	3790.0	2581.2	1822.4	1709.9	1931.3	2584.8	3993.3	4254.7	3615.8	3466.9
72.5°	1793.4	1114.5	638.9	526.4	591.7	987.4	1579.2	1699.0	1412.2	1292.4
75°	570.0	410.2	261.4	225.1	214.2	254.1	363.0	279.5	203.3	199.7
77.5°	254.1	243.2	206.9	174.3	152.5	127.1	105.3	87.1	90.8	94.4
80°	210.6	192.4	170.6	152.5	127.1	98.0	76.2	58.1	58.1	61.7
82.5°	185.1	167.0	148.8	127.1	108.9	79.9	58.1	39.9	36.3	36.3
85°	79.9	94.4	101.6	108.9	87.1	65.3	39.9	25.4	21.8	21.8
87.5°	32.7	29.0	25.4	21.8	18.2	18.2	14.5	10.9	7.3	7.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)