

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: P530526

Luminaire Tested: **GLAN-SA5D-730-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530526
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-SA5D-730-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 1200mA 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: 26276 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 309
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



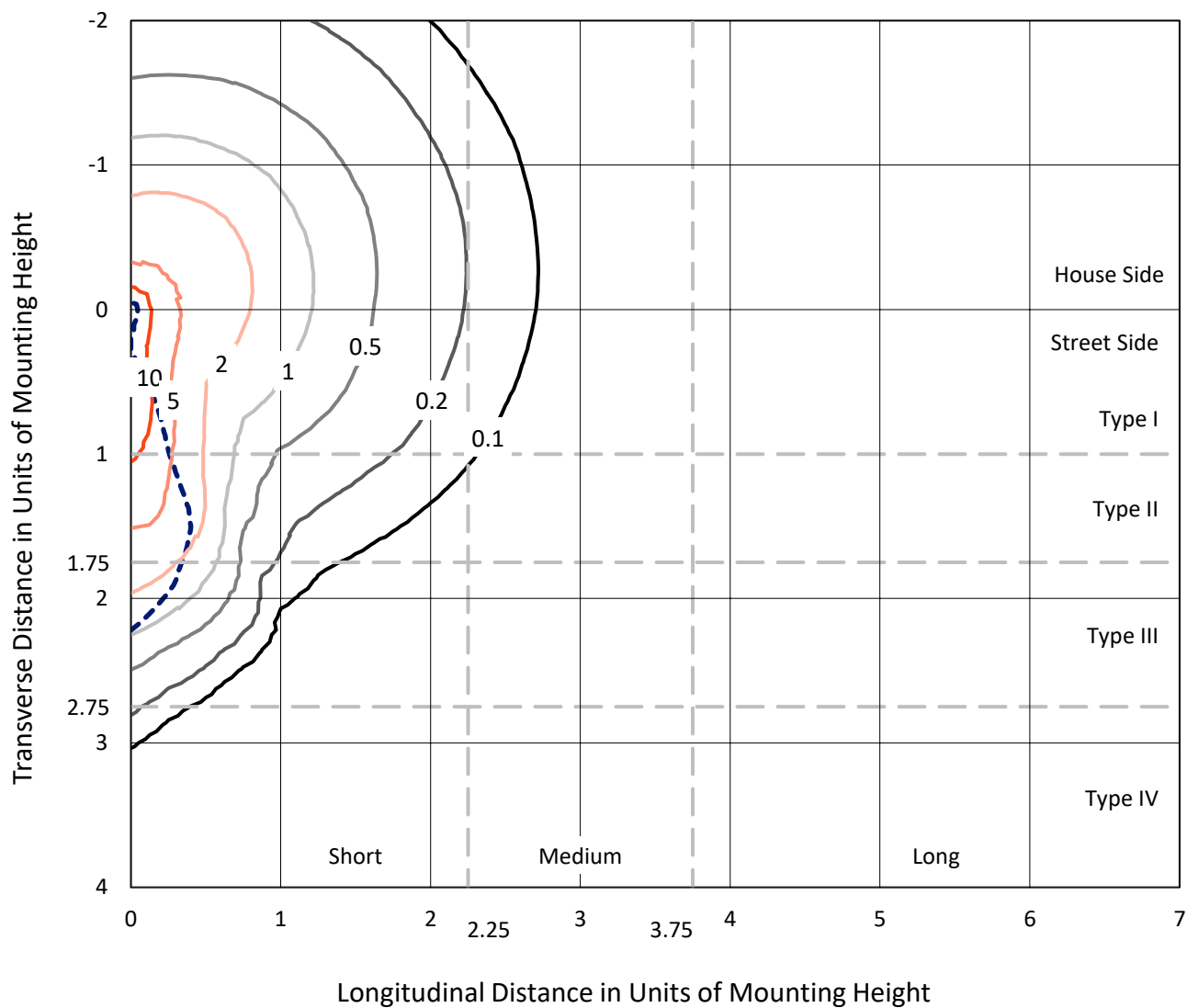
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

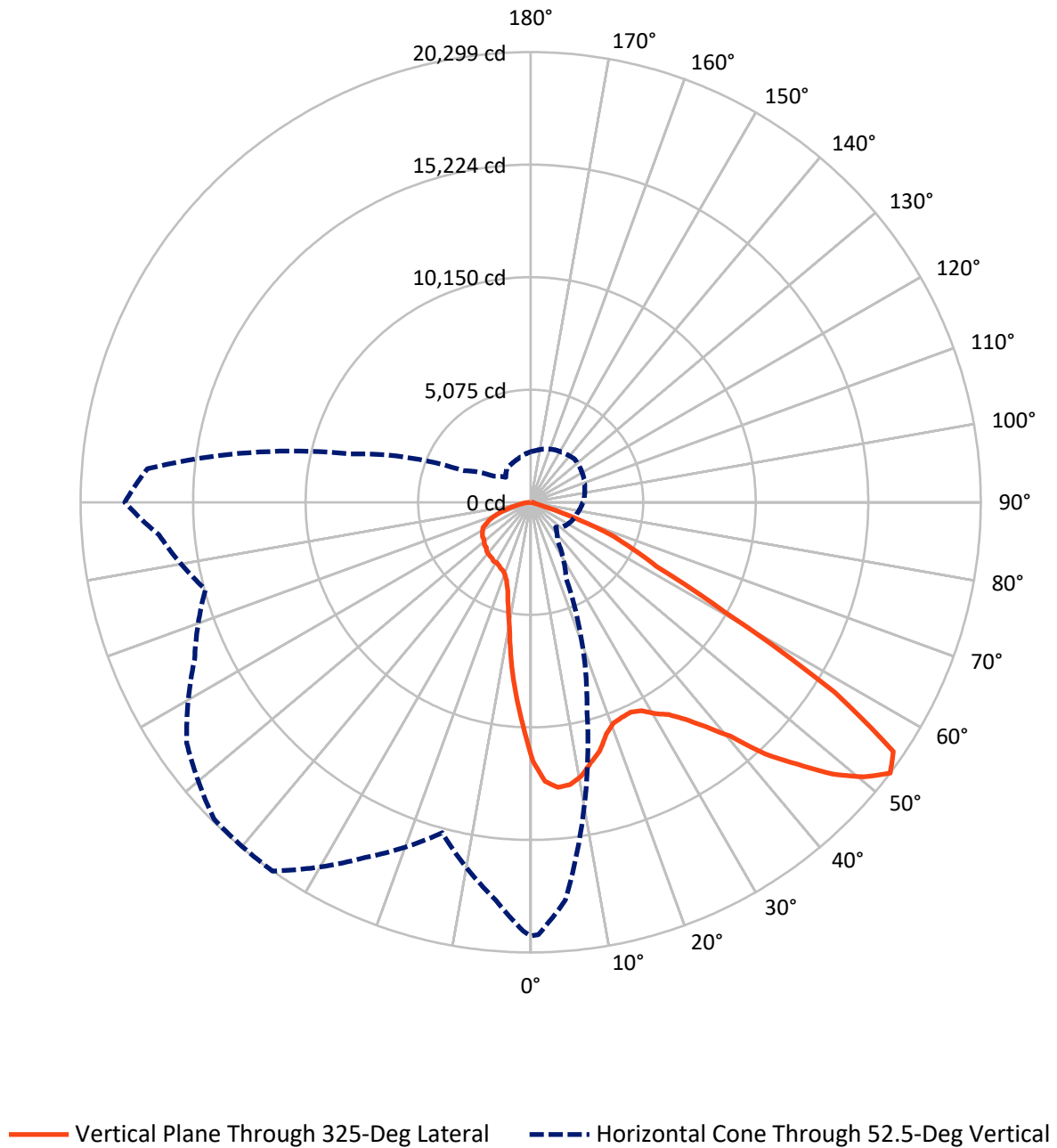
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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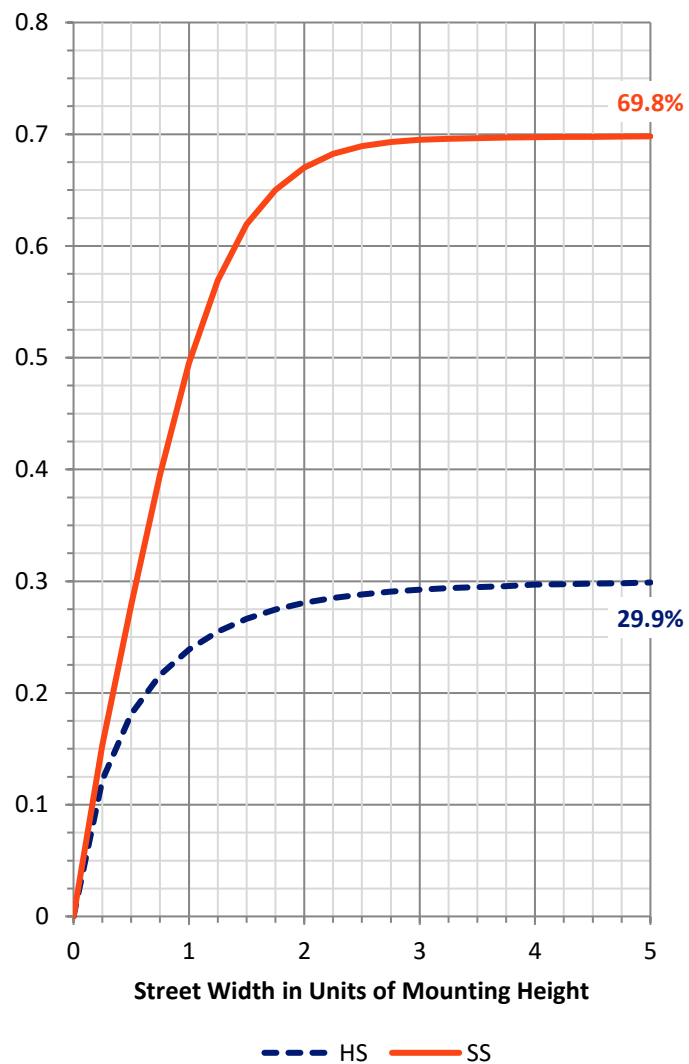
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7921.1	0.0	7921.1
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	18354.9	0.0	18354.9
	% Fixture	69.9	0.0	69.9
Total	Lumens	26276.0	0.0	26276.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	889.7	3.4
10°-20°	1928.7	7.3
20°-30°	2914.1	11.1
30°-40°	4210.9	16.0
40°-50°	5604.0	21.3
50°-60°	6268.2	23.9
60°-70°	3532.7	13.4
70°-80°	787.5	3.0
80°-90°	140.2	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°	26276.0	100.0
0°-180°	26276.0	100.0

Coefficient of Utilization



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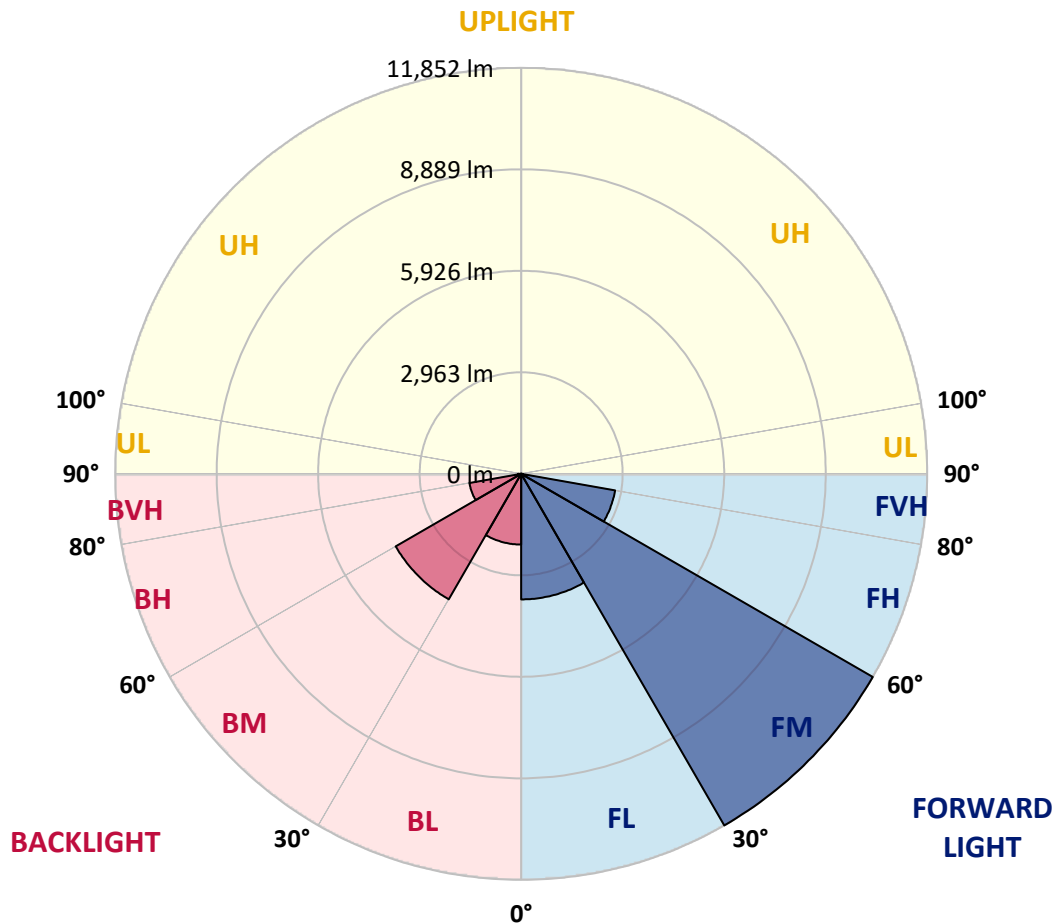
CATALOG NUMBER: GLAN-SA5D-730-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3666.8	14.0			
FM	(30°-60°)	11852.5	45.1			
FH	(60°-80°)	2784.9	10.6			G2/5000
FVH	(80°-90°)	50.8	0.2			G1/100
BL	(0°-30°)	2065.6	7.9	B3/2500		
BM	(30°-60°)	4230.7	16.1	B3/5000		
BH	(60°-80°)	1535.4	5.8	B3/2500		G3/2500
BVH	(80°-90°)	89.4	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°	11661.5	11661.5	11661.5	11661.5	11661.5	11661.5	11661.5	11661.5	11661.5	11661.5	11661.5
2.5°	11855.7	12046.1	11840.4	11474.8	11215.9	10979.7	10732.2	10682.7	10359.0	10301.8	10065.7
5°	11181.6	11139.7	10888.3	10408.5	9879.1	9399.2	9045.1	8702.3	8470.0	8199.6	8180.5
7.5°	10362.8	10119.0	9974.3	9246.9	8591.8	7837.8	7514.1	6992.3	6828.5	6584.8	6459.1
10°	9631.6	9452.6	9113.6	8386.2	7472.2	6973.3	6626.7	6344.9	6154.4	5903.1	5587.0
12.5°	9269.7	9197.4	8816.5	7689.2	7011.3	6478.2	6234.4	5960.2	5636.5	5232.8	5076.7
15°	9334.5	9090.8	8801.3	7555.9	6619.1	6104.9	5716.5	5373.7	4958.6	4573.9	4349.2
17.5°	9818.2	9631.6	9052.7	7639.7	6470.5	5727.9	5023.3	4516.8	4143.6	3797.0	3640.9
20°	10770.3	10499.9	9848.6	7746.4	6150.6	5202.3	4394.9	3770.4	3370.5	3187.7	3134.3
22.5°	11825.2	11665.3	10625.6	7986.3	5895.5	4714.9	3728.5	3103.9	2955.4	2905.8	3004.9
25°	13108.7	12693.5	11832.8	8378.6	5697.4	4299.7	3164.8	2818.2	2742.1	2791.6	2905.8
27.5°	14083.6	13973.2	12678.3	8748.0	5427.0	3800.8	2848.7	2620.2	2643.1	2692.6	2799.2
30°	15241.4	14681.5	13497.1	9003.2	5183.3	3458.1	2627.8	2566.9	2589.7	2673.5	2726.8
32.5°	15938.3	15728.9	14011.3	9387.8	4901.5	3161.0	2456.4	2399.3	2433.6	2559.3	2685.0
35°	16825.7	16410.6	14647.3	9486.8	4703.4	3042.9	2334.6	2292.7	2372.7	2460.3	2601.2
37.5°	17861.6	17576.0	15527.0	9418.3	4596.8	2921.1	2231.7	2212.7	2269.8	2391.7	2555.5
40°	18474.8	18387.2	15987.8	9460.2	4429.2	2814.4	2113.7	2136.5	2254.6	2349.8	2509.8
42.5°	19065.1	18493.8	16669.6	9444.9	4322.6	2669.7	2125.1	2098.5	2189.9	2300.3	2452.6
45°	19194.5	18627.1	16829.5	9338.3	4193.1	2528.8	2037.5	2048.9	2159.4	2296.5	2395.5
47.5°	19110.8	18691.8	17126.6	9307.8	4071.2	2429.8	1908.0	2045.1	2109.9	2220.3	2361.2
50°	19053.6	19030.8	17377.9	9452.6	3907.5	2273.6	1751.9	1995.6	2060.4	2170.8	2323.1
52.5°	19556.4	19506.8	18006.3	9833.4	3778.0	2106.1	1591.9	1869.9	2026.1	2132.7	2281.3
55°	19861.0	19643.9	19084.1	10301.8	3560.9	1885.2	1481.5	1713.8	1942.3	2037.5	2189.9
57.5°	17865.4	17716.9	17263.7	9616.3	3195.3	1595.7	1344.4	1553.8	1828.1	1976.6	2132.7
60°	14864.4	14632.0	13470.5	8172.9	2357.4	1241.6	1260.6	1428.2	1797.6	1854.7	2037.5
62.5°	14015.1	13440.0	11859.5	6577.2	1809.0	1066.4	1131.1	1313.9	1637.6	1732.8	1915.6
65°	11120.7	10694.1	8485.2	4749.1	1211.1	925.5	1032.1	1184.4	1412.9	1599.5	1767.1
67.5°	6961.8	6554.3	4528.2	2247.0	845.5	792.2	921.6	1081.6	1268.2	1435.8	1622.4
70°	3637.1	3191.5	2090.8	811.2	582.7	647.4	769.3	921.6	1104.4	1241.6	1386.3
72.5°	1355.8	1100.6	681.7	350.4	403.7	495.1	624.6	735.0	864.5	1032.1	1112.1
75°	209.5	179.0	175.2	213.3	274.2	358.0	445.6	556.0	670.3	776.9	830.2
77.5°	99.0	95.2	106.6	140.9	182.8	255.2	323.7	430.4	521.8	590.3	620.8
80°	64.7	60.9	68.6	95.2	137.1	190.4	259.0	331.3	415.1	472.2	464.6
82.5°	38.1	41.9	41.9	64.7	95.2	137.1	186.6	251.4	308.5	358.0	327.5
85°	22.9	19.0	19.0	38.1	64.7	110.4	156.1	106.6	110.4	110.4	125.7
87.5°	7.6	7.6	7.6	3.8	7.6	7.6	11.4	19.0	22.9	26.7	34.3
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°	11661.5	11661.5	11661.5	11661.5	11661.5	11661.5	11661.5	11661.5	11661.5	11661.5	11661.5
2.5°	10058.1	10176.2	10134.3	9985.7	10100.0	10119.0	10042.9	10305.6	10355.2	10275.2	10298.0
5°	8153.9	8184.3	8252.9	8397.6	8500.4	8622.3	8622.3	8629.9	8527.1	8786.1	8709.9
7.5°	6352.5	6371.5	6451.5	6760.0	6847.6	7079.9	7178.9	7110.4	6904.7	6817.1	6889.5
10°	5484.2	5373.7	5347.1	5385.1	5583.2	5682.2	5766.0	5743.1	5708.9	5640.3	5564.1
12.5°	4905.3	4825.3	4760.6	4669.2	4680.6	4775.8	4840.5	4787.2	4802.4	4817.7	4840.5
15°	4276.9	4219.8	4185.5	4048.4	4033.1	4097.9	4120.7	4151.2	4208.3	4212.1	4185.5
17.5°	3610.4	3560.9	3637.1	3713.2	3659.9	3663.7	3705.6	3732.3	3717.0	3648.5	3614.2
20°	3153.4	3206.7	3282.9	3355.2	3412.4	3446.6	3461.9	3420.0	3370.5	3229.6	3225.8
22.5°	3020.1	3088.6	3153.4	3263.8	3317.2	3404.7	3324.8	3229.6	3161.0	3092.5	3012.5
25°	2921.1	2978.2	3107.7	3149.6	3252.4	3324.8	3267.6	3172.4	3054.4	2955.4	2894.4
27.5°	2848.7	2913.5	2997.2	3111.5	3191.5	3233.4	3176.2	3138.2	3016.3	2898.2	2810.6
30°	2803.0	2871.6	3023.9	3119.1	3187.7	3221.9	3122.9	3077.2	2989.6	2890.6	2814.4
32.5°	2772.5	2833.5	2963.0	3084.8	3130.5	3130.5	3145.8	3092.5	2970.6	2803.0	2738.3
35°	2673.5	2757.3	2863.9	3004.9	3088.6	3138.2	3062.0	3001.1	2921.1	2749.7	2631.6
37.5°	2616.4	2673.5	2810.6	2943.9	3016.3	3069.6	3039.1	2932.5	2825.9	2685.0	2589.7
40°	2555.5	2646.9	2768.7	2894.4	2974.4	3027.7	3004.9	2879.2	2749.7	2616.4	2551.7
42.5°	2513.6	2574.5	2700.2	2841.1	2936.3	3039.1	2970.6	2814.4	2723.0	2540.2	2467.9
45°	2479.3	2578.3	2711.6	2768.7	2867.8	2974.4	2852.5	2757.3	2650.7	2517.4	2456.4
47.5°	2437.4	2528.8	2616.4	2768.7	2814.4	2863.9	2841.1	2688.8	2597.4	2452.6	2410.7
50°	2422.2	2456.4	2616.4	2700.2	2764.9	2814.4	2753.5	2639.3	2551.7	2403.1	2311.7
52.5°	2361.2	2426.0	2528.8	2639.3	2719.2	2780.2	2681.1	2608.8	2490.7	2334.6	2277.4
55°	2285.1	2323.1	2506.0	2620.2	2662.1	2704.0	2665.9	2547.8	2426.0	2266.0	2208.9
57.5°	2186.0	2273.6	2422.2	2582.1	2635.4	2658.3	2597.4	2502.1	2349.8	2208.9	2117.5
60°	2083.2	2174.6	2338.4	2467.9	2521.2	2605.0	2513.6	2456.4	2281.3	2125.1	2026.1
62.5°	1980.4	2083.2	2205.1	2368.9	2414.6	2448.8	2426.0	2346.0	2205.1	2029.9	1908.0
65°	1858.5	1934.7	2087.0	2170.8	2201.3	2281.3	2201.3	2170.8	2045.1	1877.6	1774.7
67.5°	1675.7	1740.5	1873.8	1953.7	1976.6	2010.9	2007.0	1972.8	1831.9	1717.6	1626.2
70°	1466.3	1523.4	1607.2	1702.4	1713.8	1755.7	1717.6	1710.0	1618.6	1462.4	1412.9
72.5°	1176.8	1230.1	1340.6	1382.5	1386.3	1401.5	1382.5	1355.8	1333.0	1169.2	1119.7
75°	902.6	933.1	986.4	1024.5	1024.5	1043.5	1032.1	1005.4	944.5	841.7	792.2
77.5°	628.4	658.9	727.4	750.3	746.5	754.1	719.8	693.1	601.7	548.4	506.5
80°	457.0	476.1	510.3	525.6	529.4	540.8	498.9	476.1	422.7	361.8	342.8
82.5°	331.3	342.8	346.6	365.6	365.6	346.6	335.1	312.3	274.2	236.1	220.9
85°	137.1	140.9	144.7	167.6	171.4	205.7	190.4	179.0	156.1	133.3	121.9
87.5°	34.3	38.1	49.5	41.9	49.5	49.5	53.3	60.9	60.9	49.5	49.5
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°	11661.5	11661.5	11661.5	11661.5	11661.5	11661.5	11661.5	11661.5	11661.5	11661.5	11661.5
2.5°	10385.6	10416.1	10804.6	10854.1	11044.5	11238.7	11631.0	11912.8	12141.3	12289.8	12331.7
5°	8789.9	8984.1	9163.1	9452.6	9715.3	10088.6	10518.9	11052.1	11722.4	12065.1	12202.2
7.5°	6881.9	7110.4	7369.3	7651.2	8035.8	8706.1	9281.2	9898.1	10755.0	11109.2	11646.2
10°	5617.5	5872.6	6215.4	6432.5	6897.1	7536.9	8207.2	8919.4	9738.2	10248.5	10869.3
12.5°	4966.2	5175.7	5491.8	5948.8	6295.4	6710.5	7209.4	8108.2	9281.2	9764.8	10191.4
15°	4246.4	4478.7	4844.3	5350.9	5766.0	6261.1	6820.9	7799.7	9048.9	9795.3	10157.1
17.5°	3652.3	3819.9	4204.5	4642.5	5118.5	5659.3	6462.9	7784.5	9292.6	10248.5	10838.8
20°	3241.0	3263.8	3473.3	3846.5	4494.0	5198.5	6242.0	7708.3	10073.3	11029.2	11775.7
22.5°	2982.0	2959.2	2963.0	3279.1	3732.3	4745.3	5895.5	7967.3	10960.7	12270.8	12773.5
25°	2852.5	2791.6	2753.5	2822.1	3233.4	4208.3	5632.7	8310.0	11916.6	13295.3	13912.2
27.5°	2784.0	2677.3	2601.2	2612.6	2913.5	3937.9	5468.9	8458.6	12864.9	14723.4	14940.5
30°	2757.3	2624.0	2513.6	2475.5	2673.5	3560.9	5118.5	8713.7	13714.2	15508.0	15694.6
32.5°	2662.1	2498.3	2391.7	2357.4	2437.4	3229.6	4867.2	8896.5	14464.5	16361.1	16296.3
35°	2551.7	2414.6	2281.3	2216.5	2273.6	3016.3	4665.3	8808.9	15348.0	17023.7	16989.5
37.5°	2540.2	2361.2	2250.8	2144.2	2140.3	2753.5	4391.1	8892.7	15911.7	18212.0	17743.5
40°	2441.2	2327.0	2182.2	2094.6	2045.1	2620.2	4124.5	8694.7	16738.1	18691.8	18231.0
42.5°	2445.0	2273.6	2148.0	2045.1	1995.6	2426.0	3941.7	8641.4	17027.5	19472.6	18459.5
45°	2384.1	2216.5	2109.9	1988.0	1961.3	2277.4	3766.5	8393.8	17537.9	19510.6	18173.9
47.5°	2323.1	2174.6	2060.4	1915.6	1854.7	2224.1	3629.4	8188.2	17271.3	19152.7	17777.8
50°	2281.3	2109.9	2003.2	1900.4	1729.0	2132.7	3450.4	8138.6	16898.1	18669.0	17042.8
52.5°	2208.9	2056.6	1946.1	1866.1	1591.9	2048.9	3381.9	8428.1	17355.1	18307.2	16829.5
55°	2140.3	1984.2	1843.3	1687.1	1477.7	1828.1	3191.5	8698.5	18021.5	19141.2	17796.9
57.5°	2068.0	1919.5	1767.1	1580.5	1367.2	1599.5	2993.4	8748.0	16772.4	17690.2	16894.3
60°	1972.8	1782.4	1668.1	1424.4	1249.2	1325.3	2372.7	7712.1	13009.6	14772.9	14799.6
62.5°	1866.1	1660.5	1561.5	1275.8	1127.3	1142.5	1934.7	6482.0	10553.2	12228.9	12956.3
65°	1725.2	1527.2	1409.1	1180.6	1039.7	990.2	1416.7	4749.1	8016.8	9921.0	10747.4
67.5°	1542.4	1355.8	1207.3	1028.3	929.3	849.3	967.3	2673.5	4733.9	6661.0	6912.3
70°	1348.2	1188.2	1032.1	883.6	773.1	716.0	708.4	1184.4	2262.2	3583.7	4078.8
72.5°	1062.6	948.3	822.6	712.2	639.8	556.0	506.5	491.3	765.5	1458.6	2014.7
75°	761.7	666.5	594.1	521.8	468.4	422.7	384.7	350.4	319.9	365.6	502.7
77.5°	479.9	445.6	388.5	369.4	339.0	327.5	312.3	293.3	270.4	255.2	255.2
80°	323.7	300.9	281.8	278.0	266.6	262.8	266.6	247.5	224.7	205.7	213.3
82.5°	217.1	213.3	209.5	205.7	209.5	213.3	220.9	217.1	198.0	186.6	190.4
85°	129.5	137.1	144.7	152.3	167.6	148.5	121.9	102.8	91.4	83.8	80.0
87.5°	49.5	68.6	60.9	57.1	60.9	57.1	53.3	49.5	41.9	38.1	38.1
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: P530526

CATALOG NUMBER: GLAN-SA5D-730-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11661.5	11661.5	11661.5	11661.5	11661.5	11661.5	11661.5	11661.5	11661.5	11661.5
2.5°	12609.8	12685.9	12750.7	12735.4	12602.1	12423.1	12350.8	11981.4	11905.2	11855.7
5°	12781.1	13222.9	13318.1	13261.0	12914.4	12476.5	12049.9	11509.1	11193.0	11181.6
7.5°	12465.0	13009.6	13181.0	13310.5	12849.7	12088.0	11356.8	10545.6	10347.5	10362.8
10°	11661.5	12529.8	12952.5	13085.8	12556.4	11897.6	10884.5	10061.9	9639.2	9631.6
12.5°	11215.9	11897.6	12015.6	12202.2	12046.1	11379.6	10610.3	9688.7	9277.4	9269.7
15°	10819.8	11269.2	11303.5	11566.2	11650.0	11200.6	10682.7	9700.1	9368.8	9334.5
17.5°	11166.4	10854.1	10724.6	10758.8	11006.4	11170.2	11101.6	10347.5	10008.6	9818.2
20°	11398.7	10701.7	10309.5	10347.5	10640.8	11238.7	11726.2	11284.4	10747.4	10770.3
22.5°	12019.4	10724.6	10111.4	10069.5	10534.2	11596.7	12430.8	12468.8	11950.9	11825.2
25°	12948.7	10987.4	10050.5	10039.1	10484.6	11981.4	13253.4	13870.3	13341.0	13108.7
27.5°	13695.2	11398.7	10240.9	10279.0	10640.8	12293.7	13954.1	14772.9	14369.3	14083.6
30°	14350.2	11825.2	10507.5	10332.3	11059.7	12457.4	14255.0	15801.2	15477.5	15241.4
32.5°	14620.6	12430.8	10930.2	10640.8	11406.3	12655.5	14879.6	16799.0	16521.0	15938.3
35°	15077.6	12769.7	11158.7	11135.9	12011.8	13131.5	15172.8	17457.9	17343.6	16825.7
37.5°	15443.2	13112.5	11969.9	11718.6	12842.1	13931.3	15645.1	18368.1	18105.3	17861.6
40°	15725.1	13725.6	12727.8	13059.1	13862.7	14658.7	16079.2	18425.2	19183.1	18474.8
42.5°	15466.1	14274.0	13973.2	14765.3	15527.0	15488.9	16128.8	18867.0	19434.5	19065.1
45°	15401.3	15203.3	15942.1	16661.9	16837.1	16178.3	15774.6	18379.5	19358.3	19194.5
47.5°	15245.2	16117.3	17404.6	18577.6	18311.0	16639.1	15351.8	18291.9	19404.0	19110.8
50°	15191.9	16315.4	18486.2	19628.7	19468.8	17039.0	15153.8	17728.3	19080.3	19053.6
52.5°	15188.1	16722.9	18935.6	20200.0	20299.0	17671.2	15424.2	18013.9	19331.7	19556.4
55°	15359.4	16593.4	18878.4	19883.9	19845.8	17389.3	15454.7	18204.4	19640.1	19861.0
57.5°	14487.3	14864.4	15580.3	16376.3	16170.6	14403.5	13801.8	16829.5	18025.4	17865.4
60°	12510.7	11330.1	10522.7	10484.6	10084.8	9532.5	11295.8	15020.5	15020.5	14864.4
62.5°	10956.9	7437.9	6390.6	6093.5	6379.1	7015.2	10896.0	14609.2	14194.1	14015.1
65°	9582.0	5678.4	4619.6	4535.9	5031.0	5990.7	9852.4	12446.0	11714.8	11120.7
67.5°	6165.9	4158.8	3435.2	3286.7	3884.6	4398.8	6558.1	7655.0	7194.1	6961.8
70°	3976.0	2707.8	1911.8	1793.8	2026.1	2711.6	4189.3	4463.5	3793.2	3637.1
72.5°	1881.4	1169.2	670.3	552.2	620.8	1035.9	1656.7	1782.4	1481.5	1355.8
75°	597.9	430.4	274.2	236.1	224.7	266.6	380.8	293.3	213.3	209.5
77.5°	266.6	255.2	217.1	182.8	160.0	133.3	110.4	91.4	95.2	99.0
80°	220.9	201.8	179.0	160.0	133.3	102.8	80.0	60.9	60.9	64.7
82.5°	194.2	175.2	156.1	133.3	114.3	83.8	60.9	41.9	38.1	38.1
85°	83.8	99.0	106.6	114.3	91.4	68.6	41.9	26.7	22.9	22.9
87.5°	34.3	30.5	26.7	22.9	19.0	19.0	15.2	11.4	7.6	7.6
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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