

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P387034

Luminaire Tested: GAW-SA2D-730-U-SLL-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P387034
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-27)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA2D-730-U-SLL-HSS
Description: GALLEON WALL LUMINAIRE
(2) 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: 10933 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

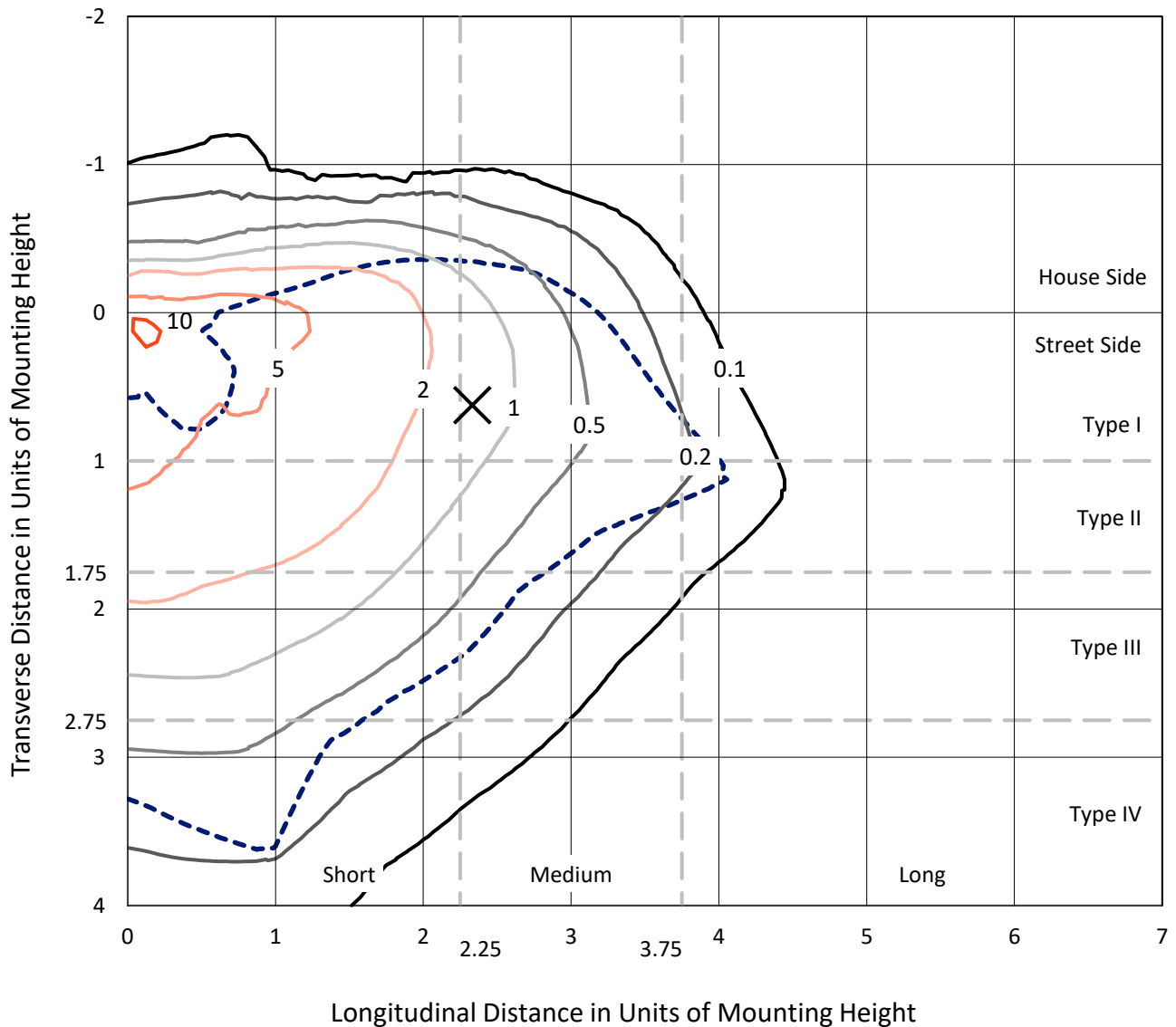
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P387034
 CATALOG NUMBER: GAW-SA2D-730-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

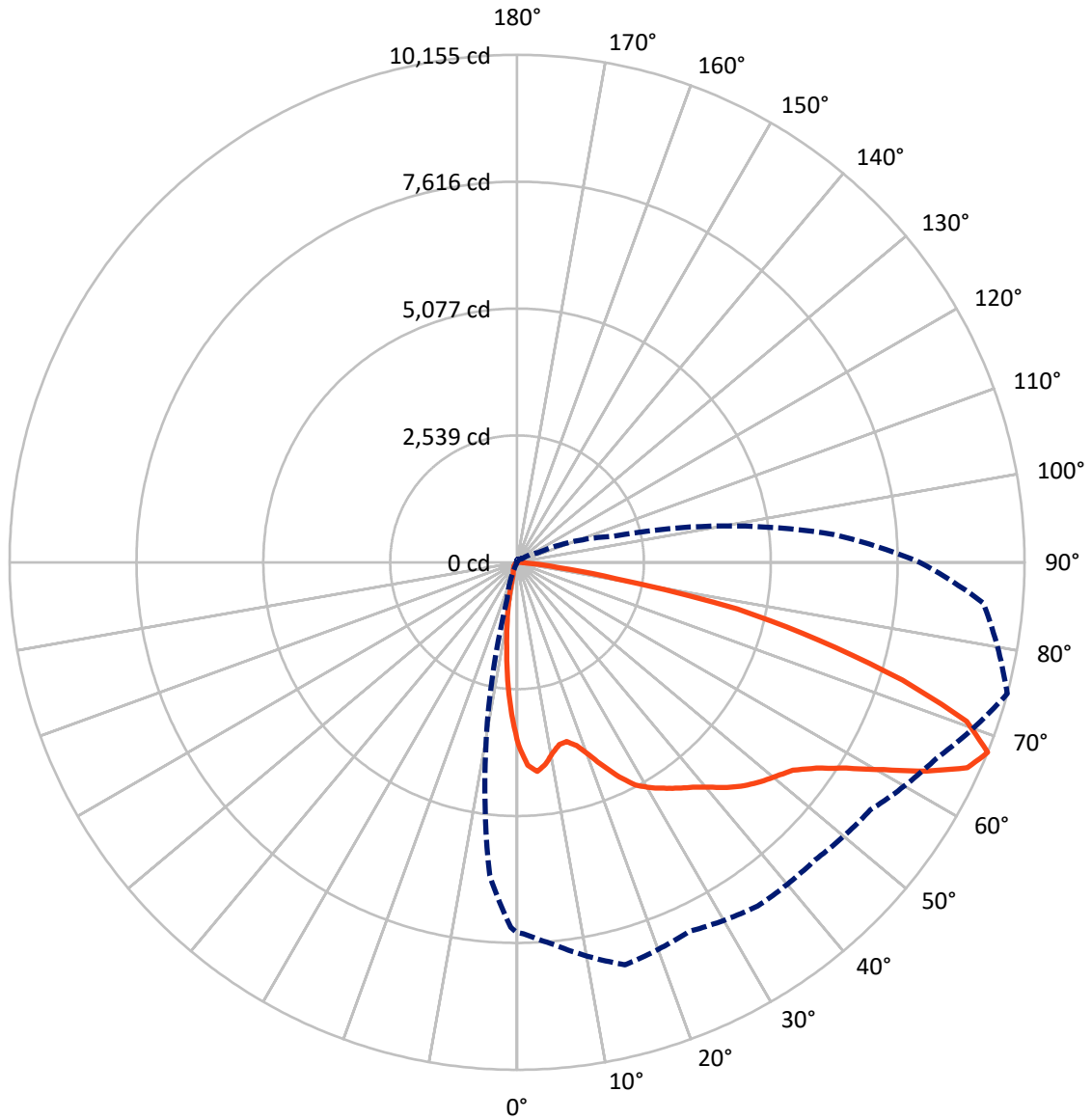
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.9 fc
 Type III - Medium - N/A

REPORT NUMBER: P387034
CATALOG NUMBER: GAW-SA2D-730-U-SLL-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



REPORT NUMBER: P387034
 CATALOG NUMBER: GAW-SA2D-730-U-SLL-HSS

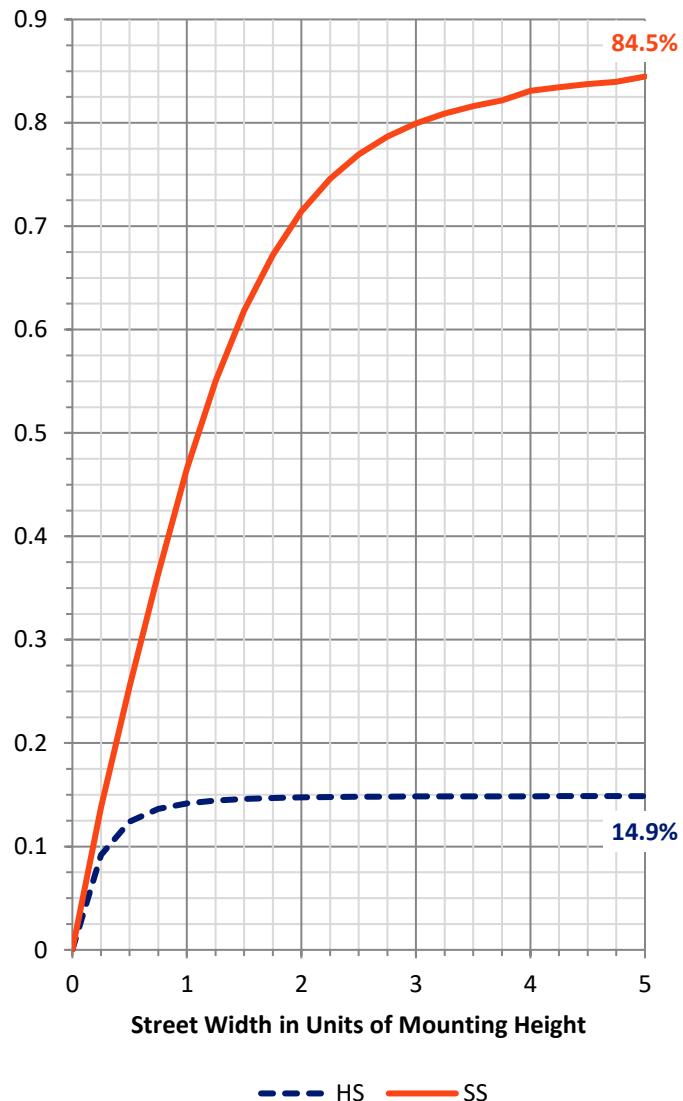
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1640.6	0.0	1640.6
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	9292.4	0.0	9292.4
	% Fixture	85.0	0.0	85.0
Total	Lumens	10933.0	0.0	10933.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.2	2.5
10°-20°	547.8	5.0
20°-30°	775.0	7.1
30°-40°	1139.5	10.4
40°-50°	1637.8	15.0
50°-60°	2305.6	21.1
60°-70°	2692.8	24.6
70°-80°	1373.8	12.6
80°-90°	182.5	1.7
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°	10933.0	100.0
0°-180°	10933.0	100.0

Coefficient of Utilization

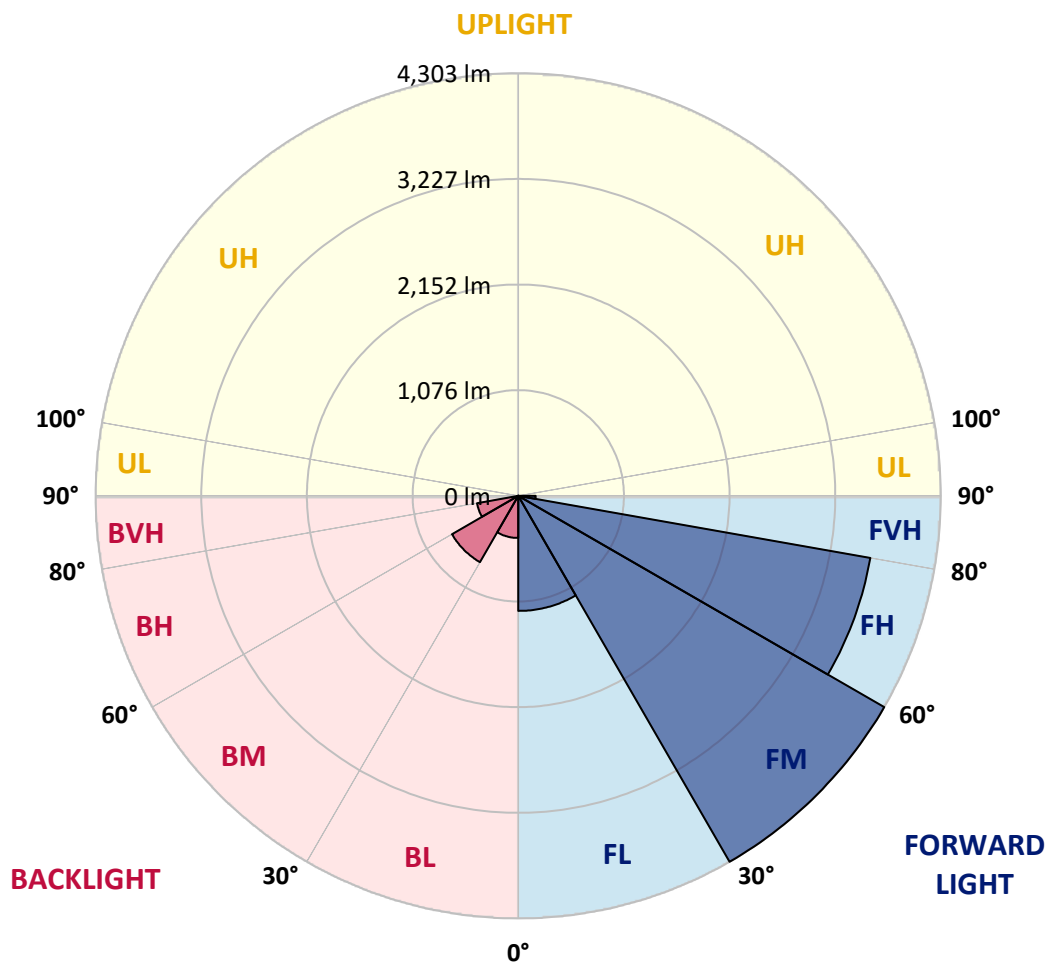


REPORT NUMBER: P387034
 CATALOG NUMBER: GAW-SA2D-730-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1172.0	10.7			
FM (30°-60°)	4303.0	39.4			
FH (60°-80°)	3640.4	33.3			G2/5000
FVH (80°-90°)	177.0	1.6			G2/225
BL (0°-30°)	429.0	3.9	B1/500		
BM (30°-60°)	779.9	7.1	B1/1000		
BH (60°-80°)	426.1	3.9	B1/500		G1/500
BVH (80°-90°)	5.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Medium





REPORT NUMBER: P387034

CATALOG NUMBER: GAW-SA2D-730-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3667.8	3667.8	3667.8	3667.8	3667.8	3667.8	3667.8	3667.8	3667.8	3667.8	3667.8
2.5°	3976.0	3982.2	4014.3	4088.9	4170.2	4176.4	4231.3	4174.9	4155.7	4064.6	3970.3
5°	4006.0	4029.9	4140.2	4359.2	4549.3	4610.4	4653.9	4543.1	4426.6	4203.9	3966.2
7.5°	3764.2	3804.0	3977.5	4388.8	4728.5	4878.7	4907.2	4733.7	4448.3	4081.6	3724.3
10°	3454.5	3500.0	3709.3	4214.7	4681.4	4938.8	4978.1	4750.8	4340.6	3883.8	3462.7
12.5°	3203.8	3257.1	3471.0	4019.0	4519.3	4804.1	4881.8	4693.3	4247.4	3743.4	3284.1
15°	3088.3	3149.4	3374.2	3892.6	4339.6	4563.8	4628.0	4546.7	4195.6	3721.2	3242.6
17.5°	3154.6	3220.9	3452.9	3903.5	4170.7	4266.5	4318.3	4351.5	4195.6	3855.3	3363.8
20°	3426.5	3498.0	3743.4	4013.8	4030.9	3995.2	4050.6	4167.1	4244.3	4110.1	3654.9
22.5°	3802.5	3886.4	4163.5	4202.8	3962.5	3827.4	3834.6	4017.4	4332.8	4433.3	4058.9
25°	4260.8	4363.4	4645.1	4484.6	3991.0	3727.4	3724.8	3894.2	4419.3	4757.0	4508.9
27.5°	4716.1	4829.0	5076.5	4828.5	4108.6	3709.3	3704.1	3856.9	4503.7	5045.0	5000.4
30°	5097.8	5207.6	5421.0	5077.6	4235.5	3751.7	3726.9	3896.8	4554.0	5231.9	5358.8
32.5°	5408.5	5496.6	5669.0	5249.0	4371.2	3834.1	3780.2	4003.4	4639.4	5389.9	5688.2
35°	5750.3	5843.1	5911.9	5412.2	4523.4	3952.7	3875.5	4172.8	4771.0	5550.4	6049.2
37.5°	6140.3	6232.5	6224.2	5561.3	4716.6	4149.0	4099.8	4441.1	4975.6	5709.4	6452.1
40°	6522.0	6616.3	6549.0	5724.5	4943.4	4472.7	4436.4	4844.0	5249.5	5913.0	6924.4
42.5°	6879.4	6981.4	6837.4	5878.8	5213.8	4880.8	4942.9	5363.0	5592.4	6163.6	7331.5
45°	7167.3	7271.4	7079.3	6029.0	5498.6	5375.9	5562.9	5937.8	6004.6	6375.5	7606.5
47.5°	7376.6	7475.0	7247.1	6179.2	5863.3	5981.3	6307.1	6540.7	6377.0	6559.3	7801.8
50°	7510.2	7586.9	7296.3	6367.2	6341.8	6687.8	7082.4	7196.4	6727.6	6725.1	8039.0
52.5°	7595.1	7629.8	7332.6	6563.5	6841.1	7456.9	7841.7	7877.4	7088.6	6907.4	8358.5
55°	7887.8	7915.7	7589.4	6801.2	7253.8	8130.7	8528.4	8495.3	7497.3	7264.2	8735.6
57.5°	8387.0	8416.5	8120.3	7143.0	7587.9	8547.1	9026.1	9085.7	7976.3	7765.5	9139.5
60°	8637.7	8692.6	8586.9	7576.0	7911.6	8813.3	9365.4	9555.4	8575.0	8426.4	9531.1
62.5°	8410.3	8490.1	8643.4	8056.1	8233.2	8959.8	9471.0	9723.7	9188.2	9196.5	9772.4
65°	7956.6	8020.3	8280.3	8319.2	8419.7	8941.7	9210.0	9488.6	9563.7	9904.0	9759.5
67.5°	7408.7	7432.5	7653.1	8339.9	8149.3	8396.9	8425.9	8632.0	9267.0	10154.7	9367.4
70°	6619.9	6632.9	6825.5	7646.4	7003.2	7057.6	7014.6	7056.5	7967.0	9544.0	8377.7
72.5°	5327.7	5360.4	5634.3	6350.1	5101.9	4945.0	5282.7	5264.0	6135.7	8063.3	6222.2
75°	3922.6	3979.1	4392.9	5114.9	3580.8	3239.0	3485.5	3551.3	4361.8	6237.2	3891.1
77.5°	2746.5	2788.4	3189.3	3760.0	2591.6	2316.1	2227.0	2305.2	2879.1	4512.0	1960.3
80°	1582.2	1597.8	1853.6	2171.1	1746.4	1998.1	1810.1	1864.0	1725.2	2007.4	843.2
82.5°	1035.3	1037.9	1137.8	1292.2	1087.6	1263.7	935.3	1195.9	1061.2	806.4	274.5
85°	559.3	562.4	659.8	917.2	615.8	348.0	204.6	420.0	656.2	184.9	75.1
87.5°	61.6	56.5	198.9	333.5	170.9	31.6	10.9	47.1	105.1	11.9	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: P387034

CATALOG NUMBER: GAW-SA2D-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3667.8	3667.8	3667.8	3667.8	3667.8	3667.8	3667.8	3667.8	3667.8	3667.8	3667.8
2.5°	3922.1	3879.1	3771.9	3658.5	3567.4	3481.9	3395.9	3290.8	3209.5	3192.9	3166.0
5°	3838.2	3702.0	3477.2	3251.4	3069.6	2840.2	2694.7	2581.3	2470.4	2463.7	2441.4
7.5°	3545.1	3365.9	3049.5	2737.2	2481.3	2262.7	2042.1	1894.5	1778.5	1737.6	1713.2
10°	3263.3	3061.9	2666.7	2310.4	2082.0	1888.8	1733.4	1579.1	1439.3	1342.9	1299.4
12.5°	3066.5	2843.8	2408.3	2101.2	1937.5	1754.2	1564.6	1371.9	1210.9	1094.9	1023.9
15°	2990.4	2752.7	2321.8	2018.3	1816.3	1584.3	1341.9	1121.8	943.1	838.0	774.3
17.5°	3081.0	2804.5	2315.1	1917.3	1635.0	1346.6	1078.8	818.8	650.5	570.7	529.8
20°	3311.0	2969.2	2312.5	1793.5	1419.6	1064.8	730.8	538.6	436.6	392.1	372.9
22.5°	3636.2	3179.4	2333.2	1671.3	1195.3	760.8	504.4	395.7	343.4	319.6	308.7
25°	4054.7	3474.7	2391.7	1560.5	984.5	567.6	393.1	331.5	294.7	276.0	268.3
27.5°	4500.6	3814.4	2482.9	1464.1	813.1	452.7	336.6	283.8	257.4	244.5	237.2
30°	4868.3	4208.0	2575.0	1356.9	688.8	394.6	308.2	259.0	228.4	220.1	213.4
32.5°	5190.0	4505.8	2640.3	1260.1	607.5	350.6	278.6	231.5	210.8	194.7	187.5
35°	5523.0	4753.9	2638.2	1192.2	551.6	317.5	253.8	207.2	182.3	163.7	158.0
37.5°	5883.5	5034.1	2593.2	1134.2	527.2	291.1	239.8	194.2	169.4	150.7	143.5
40°	6305.5	5328.3	2547.1	1079.8	520.5	269.8	230.0	183.9	157.4	139.3	132.1
42.5°	6716.8	5593.4	2506.7	1039.4	491.5	269.3	221.1	176.1	148.1	130.5	122.2
45°	7045.6	5840.5	2498.9	1015.1	460.9	278.6	216.5	170.9	140.9	123.3	115.5
47.5°	7319.1	6108.7	2548.6	998.0	431.9	254.3	227.9	167.3	134.1	117.0	108.2
50°	7644.3	6438.1	2665.7	970.0	401.4	228.9	261.0	168.3	128.4	110.8	101.5
52.5°	8098.0	6893.9	2837.6	922.9	359.4	205.6	256.9	169.4	122.2	104.1	94.8
55°	8606.6	7463.1	3022.5	844.7	300.9	175.1	220.1	162.1	110.3	96.8	88.0
57.5°	9141.1	7979.4	3132.3	751.5	239.3	151.2	176.1	147.6	97.4	87.0	81.3
60°	9225.0	8175.7	3082.1	637.0	190.1	131.5	130.5	150.2	87.0	76.7	72.5
62.5°	9016.3	7929.2	2839.2	535.0	159.0	115.5	107.2	131.0	78.7	68.4	64.2
65°	8614.9	7262.6	2445.6	482.2	147.6	98.9	89.1	92.2	68.9	59.6	55.9
67.5°	8056.6	6372.9	2007.9	452.1	146.1	84.9	76.1	69.9	59.6	51.8	48.7
70°	6915.1	5309.1	1601.9	435.6	141.9	71.5	64.2	57.0	49.7	44.0	41.4
72.5°	5089.5	3762.1	1246.1	417.4	142.9	57.0	55.9	47.1	39.9	34.2	33.1
75°	2940.7	2149.3	817.3	338.2	136.2	44.0	46.6	33.1	28.0	23.8	23.8
77.5°	1567.2	1310.8	311.3	140.9	49.7	28.0	26.4	19.7	17.6	14.5	14.0
80°	683.1	577.0	93.7	39.4	27.4	15.0	9.8	8.8	7.8	6.2	5.7
82.5°	241.9	208.7	30.6	19.2	11.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	54.9	39.4	0.0	4.7	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: P387034

CATALOG NUMBER: GAW-SA2D-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3667.8	3667.8	3667.8	3667.8	3667.8	3667.8	3667.8	3667.8	3667.8	3667.8	3667.8
2.5°	3111.1	3099.7	3032.4	3034.9	3046.9	3064.0	3023.6	3042.2	3092.4	3140.6	3158.7
5°	2405.7	2408.3	2367.4	2392.7	2415.5	2431.1	2365.8	2366.8	2406.7	2461.1	2489.6
7.5°	1695.1	1691.0	1693.0	1753.6	1796.6	1765.6	1789.9	1705.5	1710.7	1749.5	1720.5
10°	1260.1	1203.1	1171.0	1216.6	1263.7	1246.6	1204.7	1177.2	1196.4	1239.4	1236.2
12.5°	990.2	908.4	860.2	827.6	866.5	834.4	833.3	809.5	783.6	788.3	857.1
15°	744.8	685.2	628.2	575.9	574.9	564.0	508.6	446.4	441.3	444.4	480.1
17.5°	512.2	492.0	468.7	423.6	411.7	366.2	312.3	287.4	275.0	280.7	292.6
20°	359.9	352.2	354.8	330.4	313.3	269.8	238.2	228.4	226.3	232.0	237.7
22.5°	298.3	284.3	282.8	271.9	254.8	223.2	206.1	200.4	197.8	203.0	207.2
25°	261.0	247.0	241.3	234.6	216.5	194.7	184.4	179.2	176.6	179.7	182.3
27.5°	230.0	217.0	211.8	207.2	189.6	174.0	165.7	161.1	159.0	160.0	162.6
30°	206.6	195.3	188.5	182.8	167.8	156.9	149.7	145.0	142.9	142.9	145.5
32.5°	182.3	176.1	169.9	162.6	148.6	141.4	134.1	129.0	126.9	127.4	129.5
35°	151.7	149.7	151.2	144.5	132.6	126.4	119.1	113.4	111.9	112.4	114.5
37.5°	134.7	125.3	131.0	127.4	120.7	112.4	103.1	97.9	95.3	96.8	97.9
40°	123.8	112.4	108.2	111.9	110.8	97.4	89.1	83.9	81.8	82.3	83.4
42.5°	114.5	101.0	91.7	91.2	97.4	84.9	76.1	71.5	68.9	68.9	69.9
45°	105.7	91.2	79.8	71.0	81.8	72.0	63.7	59.6	56.5	56.5	57.0
47.5°	98.9	82.9	69.4	58.0	61.6	59.0	52.3	48.2	45.1	45.1	45.6
50°	92.7	74.6	60.1	48.7	46.1	48.7	42.5	37.8	35.7	35.2	36.3
52.5°	86.0	66.3	51.3	41.4	36.3	36.8	33.1	30.0	27.4	27.4	28.5
55°	79.2	59.6	44.5	35.2	30.0	27.4	26.4	24.3	22.3	22.3	23.3
57.5°	72.5	52.3	37.8	29.0	23.8	21.8	21.8	20.2	18.6	18.6	19.7
60°	66.3	45.1	31.1	23.8	18.6	18.1	18.6	17.1	16.1	16.1	17.1
62.5°	59.0	38.3	25.4	19.7	15.0	14.5	16.1	15.0	14.0	14.0	15.0
65°	50.2	32.6	20.2	15.0	11.4	11.4	13.5	12.4	11.4	11.4	12.4
67.5°	42.5	27.4	15.5	10.9	8.3	8.8	11.4	10.4	9.8	9.8	10.9
70°	35.2	21.2	10.9	6.7	4.7	6.7	8.8	8.8	8.8	8.8	9.8
72.5°	26.4	14.5	6.2	2.6	2.1	4.7	7.3	8.3	7.8	7.8	9.3
75°	17.1	8.3	2.1	0.0	0.0	2.6	5.7	6.7	6.7	6.2	7.8
77.5°	9.8	2.6	0.0	0.0	0.0	0.0	3.6	3.1	2.6	2.1	3.6
80°	2.6	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: P387034
 CATALOG NUMBER: GAW-SA2D-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3667.8	3667.8	3667.8	3667.8	3667.8	3667.8	3667.8	3667.8	3667.8	3667.8
2.5°	3231.8	3292.9	3378.8	3470.0	3610.3	3721.7	3831.0	3924.7	3961.0	3976.0
5°	2558.0	2647.6	2773.4	2935.0	3188.3	3416.1	3647.1	3879.7	3980.7	4006.0
7.5°	1835.5	1949.9	2110.0	2312.5	2609.2	2904.4	3227.1	3568.4	3724.8	3764.2
10°	1358.5	1498.3	1681.7	1895.0	2178.3	2481.8	2833.5	3223.5	3402.1	3454.5
12.5°	963.8	1152.9	1398.4	1657.8	1903.3	2174.2	2530.0	2959.9	3147.3	3203.8
15°	566.1	748.9	1039.4	1387.0	1701.3	1975.8	2337.3	2824.7	3031.3	3088.3
17.5°	324.7	415.9	635.5	1022.9	1449.6	1829.8	2276.7	2858.3	3101.8	3154.6
20°	248.1	277.1	366.2	658.8	1155.5	1686.3	2276.7	3048.9	3348.8	3426.5
22.5°	217.0	238.2	274.5	393.1	850.4	1532.5	2303.1	3324.5	3716.5	3802.5
25°	192.7	211.8	242.9	295.7	580.1	1349.7	2365.8	3662.7	4149.5	4260.8
27.5°	172.5	190.6	218.6	259.0	396.7	1129.0	2450.2	4059.4	4627.0	4716.1
30°	154.3	171.4	196.8	225.3	306.1	878.9	2522.2	4433.3	5002.0	5097.8
32.5°	137.2	152.8	175.6	196.8	250.7	650.0	2530.0	4729.5	5313.2	5408.5
35°	121.2	135.2	155.9	172.5	207.7	513.2	2409.3	4986.4	5624.5	5750.3
37.5°	105.7	119.1	137.2	149.7	182.8	418.5	2224.9	5272.8	6023.8	6140.3
40°	91.2	103.1	121.7	130.0	173.0	321.6	2024.5	5573.2	6415.3	6522.0
42.5°	77.7	89.1	107.2	123.3	151.7	240.3	1808.0	5855.0	6767.5	6879.4
45°	64.7	76.7	94.8	130.5	125.9	179.7	1576.5	6041.9	7045.6	7167.3
47.5°	52.3	65.8	90.6	124.3	100.5	132.1	1393.2	6219.1	7256.4	7376.6
50°	42.0	55.4	102.0	110.8	82.3	101.0	1316.5	6377.5	7394.7	7510.2
52.5°	34.2	46.6	96.3	84.9	68.9	83.4	1358.0	6634.4	7522.6	7595.1
55°	28.5	36.8	58.0	59.0	58.5	71.0	1409.2	7003.2	7853.6	7887.8
57.5°	24.9	29.5	40.4	45.6	49.2	63.2	1410.3	7532.5	8365.8	8387.0
60°	21.2	25.9	33.7	36.8	42.5	56.5	1359.0	7717.4	8567.3	8637.7
62.5°	18.6	22.8	28.0	30.6	35.7	50.8	1238.8	7449.6	8290.7	8410.3
65°	16.6	20.7	23.3	25.9	31.6	45.6	1041.0	6914.1	7831.8	7956.6
67.5°	14.5	18.1	20.7	23.3	28.5	40.4	766.5	6292.1	7305.1	7408.7
70°	12.9	16.1	18.6	20.7	24.9	34.2	465.1	5339.1	6576.9	6619.9
72.5°	12.4	14.5	17.1	18.6	21.8	30.0	235.6	3923.7	5257.8	5327.7
75°	10.9	12.9	15.5	16.6	19.2	25.9	95.8	2577.1	3810.3	3922.6
77.5°	8.8	11.9	14.0	15.0	16.6	21.2	48.7	1647.0	2674.0	2746.5
80°	3.1	8.8	11.9	12.4	14.0	15.5	32.1	901.7	1551.1	1582.2
82.5°	0.0	5.7	9.3	8.8	9.8	11.9	20.7	428.8	1023.9	1035.3
85°	0.0	2.6	7.3	5.7	4.1	8.3	7.3	93.7	537.1	559.3
87.5°	0.0	0.0	0.5	2.6	2.1	3.1	1.0	0.5	48.7	61.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)