

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: P387008

Luminaire Tested: GAW-SA2D-727-U-SLR-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P387008
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-28)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA2D-727-U-SLR-HSS
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10038 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - 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

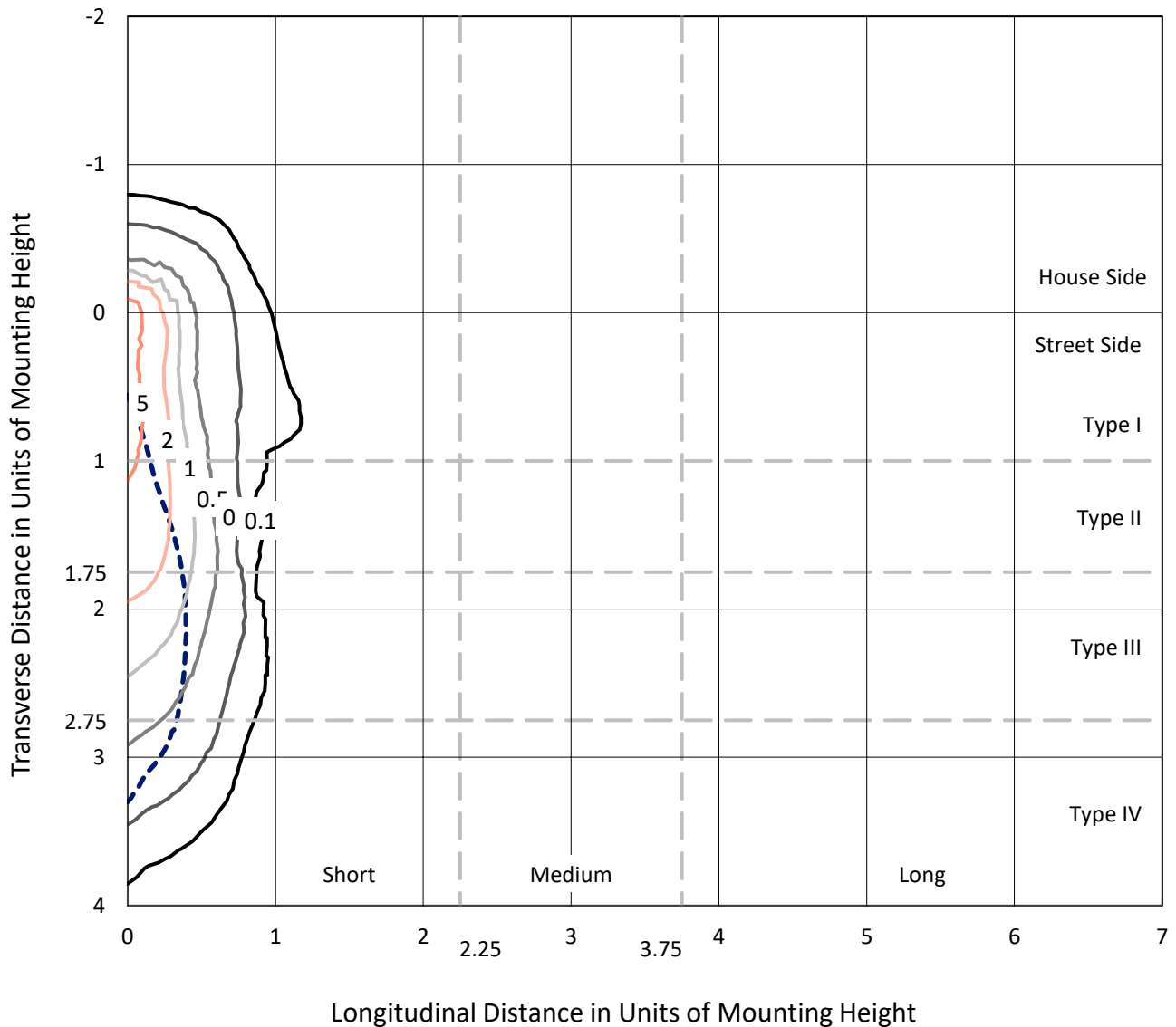




REPORT NUMBER: P387008
 CATALOG NUMBER: GAW-SA2D-727-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination

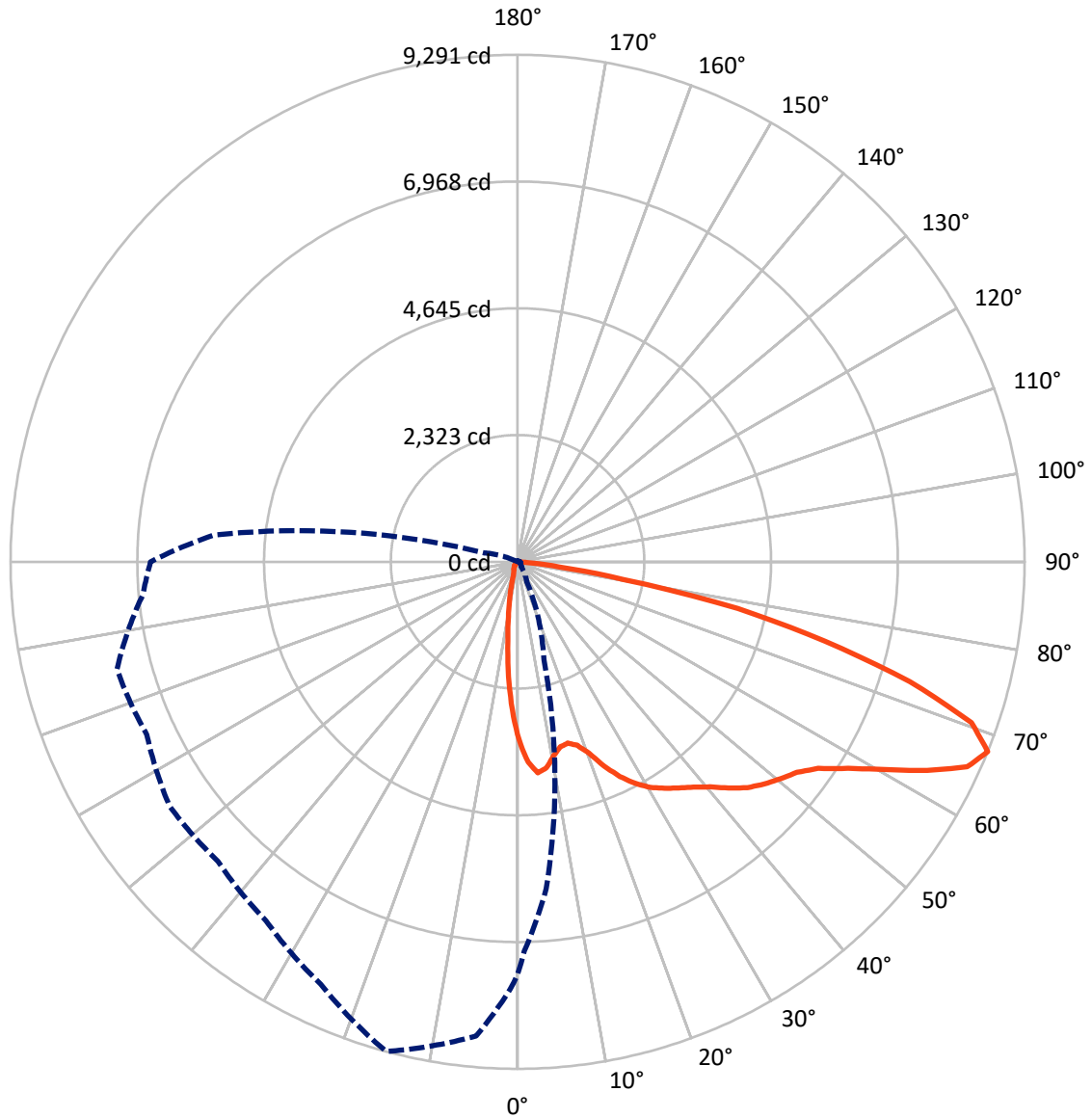
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.2 fc
 Type IV - Medium - N/A

REPORT NUMBER: P387008
CATALOG NUMBER: GAW-SA2D-727-U-SLR-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 345-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P387008
 CATALOG NUMBER: GAW-SA2D-727-U-SLR-HSS

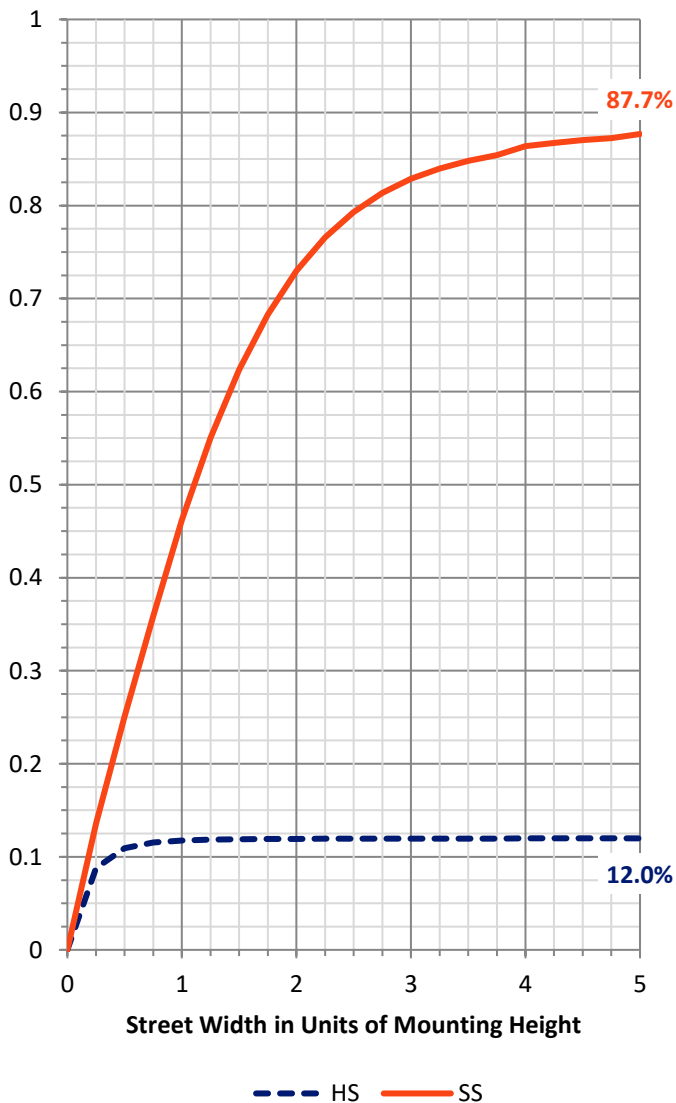
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1214.9	0.0	1214.9
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	8823.1	0.0	8823.1
	% Fixture	87.9	0.0	87.9
Total	Lumens	10038.0	0.0	10038.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.0	2.5
10°-20°	499.5	5.0
20°-30°	709.3	7.1
30°-40°	1047.7	10.4
40°-50°	1511.0	15.1
50°-60°	2121.2	21.1
60°-70°	2472.7	24.6
70°-80°	1264.1	12.6
80°-90°	161.4	1.6
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°	10038.0	100.0
0°-180°	10038.0	100.0

Coefficient of Utilization

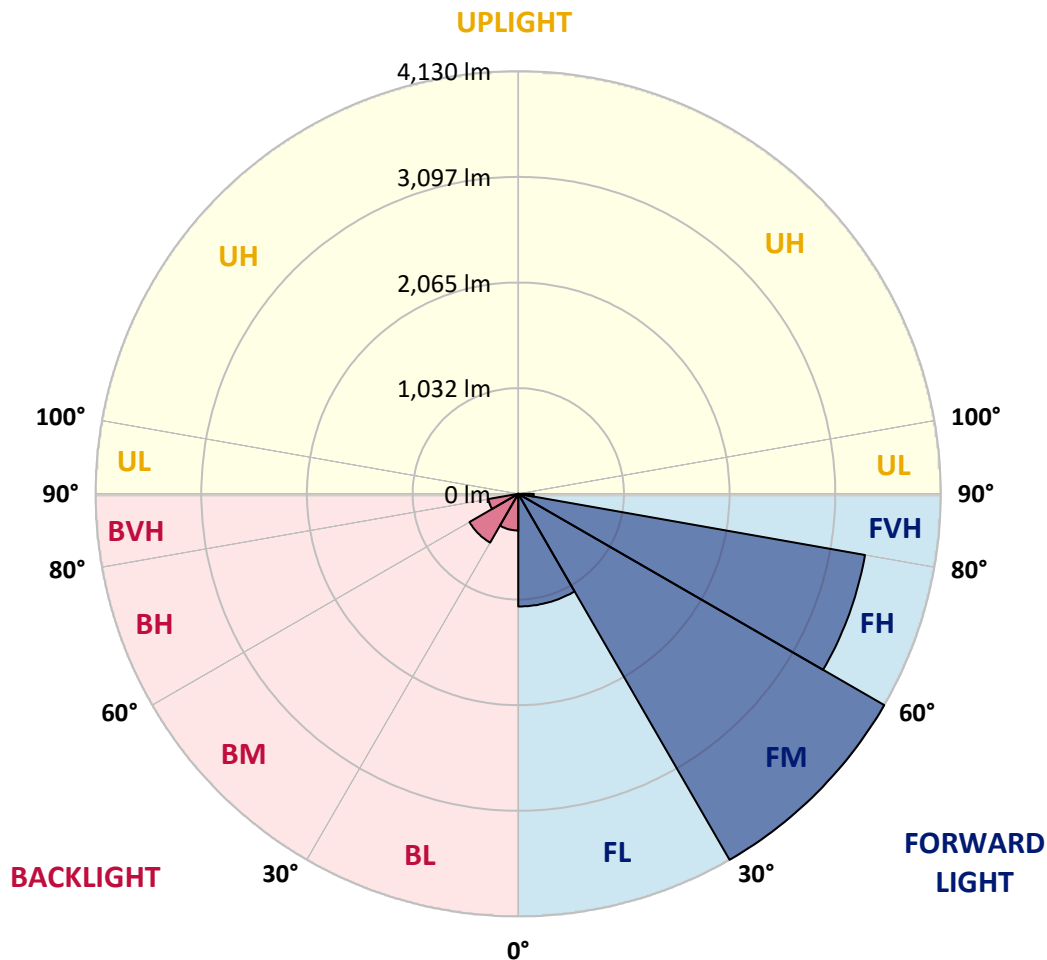


REPORT NUMBER: P387008
 CATALOG NUMBER: GAW-SA2D-727-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1101.0	11.0			
FM (30°-60°)	4129.8	41.1			
FH (60°-80°)	3440.7	34.3			G2/5000
FVH (80°-90°)	151.6	1.5			G2/225
BL (0°-30°)	358.8	3.6	B1/500		
BM (30°-60°)	550.2	5.5	B1/1000		
BH (60°-80°)	296.1	2.9	B1/500		G1/500
BVH (80°-90°)	9.8	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 IV Medium





REPORT NUMBER: P387008

CATALOG NUMBER: GAW-SA2D-727-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3269.9	3269.9	3269.9	3269.9	3269.9	3269.9	3269.9	3269.9	3269.9	3269.9	3269.9
2.5°	3580.4	3552.8	3522.4	3423.0	3330.7	3225.2	3139.1	3079.2	3004.0	2906.5	2881.8
5°	3554.7	3525.2	3429.6	3208.5	3015.0	2826.7	2645.0	2538.5	2406.3	2272.2	2238.9
7.5°	3296.5	3265.6	3127.7	2824.7	2564.1	2292.1	2056.3	1910.3	1760.9	1638.3	1573.1
10°	3027.8	2994.0	2839.0	2471.4	2150.4	1904.6	1731.5	1592.1	1450.9	1319.6	1215.0
12.5°	2842.8	2798.6	2630.2	2213.7	1934.0	1767.1	1605.4	1438.5	1247.4	1106.6	991.5
15°	2765.3	2714.9	2537.0	2114.3	1857.5	1661.6	1450.9	1245.9	1022.0	860.7	755.2
17.5°	2825.2	2759.6	2568.9	2107.6	1761.4	1494.6	1228.3	987.7	744.7	581.6	506.5
20°	3028.8	2942.7	2700.6	2105.7	1644.9	1296.3	958.7	686.7	490.8	394.7	355.2
22.5°	3349.3	3235.6	2889.9	2120.9	1524.6	1088.1	692.4	466.5	368.5	318.6	295.3
25°	3736.4	3604.6	3162.4	2174.7	1419.0	885.5	503.1	368.5	311.0	274.4	254.9
27.5°	4104.4	3997.4	3506.7	2252.2	1337.2	721.9	408.5	312.4	265.8	241.6	225.9
30°	4472.0	4337.5	3860.0	2344.4	1238.8	611.1	359.0	284.9	238.2	212.6	202.6
32.5°	4739.3	4627.5	4136.8	2411.0	1133.7	538.8	321.0	260.6	222.6	196.4	181.7
35°	5053.6	4927.1	4374.1	2425.8	1066.2	493.1	288.7	234.4	193.1	169.8	154.1
37.5°	5393.2	5235.8	4648.0	2393.4	1013.4	470.8	264.4	222.6	180.2	156.5	139.8
40°	5768.9	5591.0	4911.0	2346.8	961.6	463.2	245.9	213.5	170.2	146.0	128.9
42.5°	6164.5	5954.8	5138.8	2297.8	928.7	437.0	244.0	204.5	162.6	136.5	119.4
45°	6496.9	6284.4	5372.7	2281.7	905.4	408.5	252.0	198.3	157.4	128.9	112.2
47.5°	6761.8	6560.6	5612.4	2317.8	892.1	382.3	229.7	206.4	154.6	122.2	106.0
50°	7078.0	6850.3	5950.0	2425.8	872.6	356.2	207.8	236.3	154.6	117.9	100.8
52.5°	7474.6	7249.2	6326.7	2593.2	833.6	320.0	186.9	236.8	156.0	112.2	94.2
55°	7973.5	7809.9	6864.5	2776.7	771.3	266.8	161.7	203.5	150.3	101.8	88.0
57.5°	8451.9	8318.3	7354.8	2902.3	688.1	208.3	140.8	164.1	137.4	89.4	78.5
59°	8582.7	8436.7	7534.6	2908.0	625.8	181.7	130.3	135.5	134.6	83.7	72.8
60°	8582.7	8427.6	7586.4	2877.5	580.6	166.9	123.6	120.8	140.3	79.9	69.4
62.5°	8427.2	8209.4	7418.1	2671.6	473.6	142.2	107.9	99.9	126.0	71.8	61.3
65°	8103.8	7786.6	6844.5	2299.3	422.3	130.3	93.2	81.8	87.5	63.2	53.7
67.5°	7564.5	7134.6	6017.6	1857.5	401.8	127.0	80.4	69.4	66.1	54.2	47.1
70°	6614.9	6137.9	5013.7	1460.4	384.2	125.5	67.5	58.5	53.3	45.7	39.9
72.5°	4814.4	4317.0	3559.5	1141.8	373.8	128.4	54.2	49.0	43.8	35.7	30.9
75°	2753.9	2428.1	2000.6	754.2	318.6	122.7	41.8	40.9	31.4	25.7	21.4
77.5°	1422.8	1379.6	1198.9	289.6	152.7	53.7	27.6	23.8	18.5	15.7	12.8
80°	613.9	607.3	525.5	83.7	40.4	30.0	15.7	10.0	8.6	6.7	5.2
82.5°	212.1	212.1	186.9	28.1	18.1	14.7	1.9	0.0	0.0	0.0	0.0
85°	42.8	48.0	33.8	0.0	6.2	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: P387008
 CATALOG NUMBER: GAW-SA2D-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3269.9	3269.9	3269.9	3269.9	3269.9	3269.9	3269.9	3269.9	3269.9	3269.9	3269.9
2.5°	2851.9	2794.3	2790.5	2754.4	2709.2	2688.7	2676.9	2697.8	2723.5	2726.3	2764.8
5°	2213.7	2153.3	2178.5	2114.3	2127.1	2114.3	2093.4	2097.2	2108.6	2072.9	2117.1
7.5°	1554.6	1508.9	1537.9	1520.8	1543.6	1552.7	1539.8	1520.8	1464.7	1458.0	1496.5
10°	1171.7	1119.9	1089.0	1056.7	1063.8	1078.5	1073.8	1060.0	1024.3	1026.2	1063.3
12.5°	941.6	883.6	822.2	742.8	723.3	734.2	723.3	715.2	681.0	683.8	716.6
15°	714.3	666.7	602.5	538.8	504.1	507.4	477.0	455.6	434.2	408.5	428.5
17.5°	482.2	453.2	434.2	415.2	373.8	364.3	325.7	284.4	268.2	256.3	264.9
20°	341.4	325.7	318.1	317.2	293.4	281.5	244.0	218.3	210.2	207.8	213.0
22.5°	285.3	273.9	263.0	256.8	244.9	231.1	202.6	189.7	184.0	181.2	185.0
25°	248.2	239.7	228.3	217.8	213.0	198.3	177.9	168.3	164.5	161.7	163.6
27.5°	220.7	213.0	199.7	193.1	189.3	176.4	158.8	151.2	147.9	146.9	146.5
30°	198.8	191.6	179.3	171.7	165.0	153.6	143.1	135.5	132.2	131.3	130.3
32.5°	176.9	171.2	163.1	155.5	148.4	137.9	128.9	122.7	117.5	116.5	116.0
35°	149.3	143.6	139.3	138.9	132.2	122.2	115.6	107.5	103.2	101.8	102.2
37.5°	132.7	125.1	115.6	118.9	117.0	109.9	100.8	92.7	88.5	87.5	87.5
40°	122.2	114.1	103.2	97.5	103.2	101.8	87.5	79.4	75.1	74.7	73.7
42.5°	112.2	104.1	91.8	82.3	85.1	89.4	75.6	68.0	63.7	62.8	61.3
45°	105.1	96.5	82.7	71.8	66.1	75.1	64.7	55.2	52.8	50.9	49.9
47.5°	98.4	90.4	74.7	62.3	52.8	54.2	51.8	45.2	42.3	40.4	39.9
50°	92.7	84.2	67.5	53.3	43.8	39.9	41.8	35.7	33.3	31.4	30.4
52.5°	86.1	78.0	59.9	46.1	36.6	31.4	31.9	28.1	25.7	24.3	23.8
55°	80.8	72.8	53.7	40.4	32.3	25.7	22.8	21.9	20.4	19.5	19.0
57.5°	73.7	66.1	47.6	34.2	27.6	20.9	17.6	17.6	17.1	16.2	15.7
59°	69.4	62.8	43.8	30.9	25.2	18.1	15.7	16.2	15.7	14.7	14.3
60°	66.1	59.9	40.9	28.5	23.8	16.6	14.3	15.2	14.7	13.8	13.3
62.5°	58.5	54.2	35.2	23.8	20.9	13.3	11.9	12.8	12.8	12.4	11.9
65°	51.4	46.6	30.0	20.0	19.5	11.4	9.5	11.4	11.9	10.9	10.0
67.5°	44.7	39.9	26.2	16.2	18.1	9.0	7.1	9.5	12.8	10.0	9.0
70°	38.0	33.3	20.4	12.8	19.0	6.2	5.7	8.6	15.2	10.9	8.6
72.5°	29.5	25.7	14.3	9.5	20.4	4.3	4.3	7.1	17.1	11.9	8.1
75°	20.4	16.6	8.6	5.7	16.6	2.9	2.9	6.7	16.2	10.9	7.6
77.5°	11.9	9.0	2.9	0.5	8.6	0.0	0.5	4.8	11.4	6.7	3.3
80°	4.3	1.9	0.0	0.0	5.2	0.0	0.0	0.0	1.0	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: P387008

CATALOG NUMBER: GAW-SA2D-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3269.9	3269.9	3269.9	3269.9	3269.9	3269.9	3269.9	3269.9	3269.9	3269.9	3269.9
2.5°	2774.8	2839.0	2896.6	2983.6	3086.8	3205.7	3307.9	3417.8	3520.9	3563.7	3593.2
5°	2126.2	2205.6	2298.3	2426.2	2596.5	2806.2	3002.6	3224.7	3463.4	3582.8	3695.0
7.5°	1503.2	1584.0	1699.1	1835.1	2041.0	2290.7	2547.5	2854.2	3177.6	3366.4	3552.3
10°	1080.9	1180.3	1287.8	1473.7	1683.0	1919.8	2184.2	2526.6	2887.0	3096.3	3320.3
12.5°	735.7	848.9	1011.5	1219.8	1465.6	1697.7	1927.4	2254.1	2672.6	2879.9	3120.1
15°	441.3	504.1	676.2	917.3	1218.8	1508.0	1759.5	2087.2	2533.2	2787.2	3036.8
17.5°	272.0	301.0	394.7	592.5	909.2	1274.9	1619.7	2030.6	2553.2	2862.3	3129.6
20°	216.8	228.3	258.2	350.0	602.5	1018.1	1462.3	2019.2	2716.3	3096.8	3383.5
22.5°	188.3	199.3	219.2	254.4	379.0	762.3	1313.0	2029.6	2950.3	3448.2	3783.0
25°	166.0	175.5	194.5	223.5	277.7	536.9	1153.2	2076.2	3255.1	3884.3	4240.0
27.5°	148.4	156.5	174.1	200.7	238.2	374.7	972.0	2132.8	3616.5	4330.3	4681.3
30°	132.2	139.3	155.0	179.8	206.9	288.2	773.2	2171.3	3978.4	4681.3	4996.6
32.5°	118.4	123.6	137.9	158.8	179.8	229.7	587.8	2165.2	4247.1	4973.3	5223.4
35°	104.1	109.4	121.7	139.8	156.5	189.7	462.2	2049.6	4481.1	5276.2	5483.1
37.5°	88.5	95.1	107.0	123.2	134.6	166.9	373.8	1910.3	4718.4	5622.4	5772.7
40°	75.1	81.8	92.3	109.9	117.0	158.4	287.2	1740.5	4985.2	6009.5	6090.3
42.5°	62.3	68.5	79.4	94.6	110.3	136.5	212.6	1546.5	5241.5	6340.5	6379.9
45°	50.4	56.6	68.0	83.2	117.9	113.2	164.5	1338.7	5448.3	6615.8	6628.6
47.5°	39.9	45.7	57.5	78.5	109.9	90.4	117.5	1175.6	5621.9	6830.8	6797.0
50°	30.9	35.7	48.0	89.9	96.1	74.7	88.9	1121.3	5777.4	6963.9	6876.4
52.5°	24.3	28.5	39.5	84.2	74.7	61.8	74.7	1172.2	5990.5	7074.2	6921.1
55°	19.5	23.8	30.9	48.0	50.9	52.3	63.7	1219.8	6358.1	7332.9	7185.0
57.5°	16.2	20.4	25.2	33.8	38.5	44.2	56.6	1225.0	6791.3	7762.8	7623.0
59°	14.7	18.5	22.8	30.0	33.8	40.4	53.3	1196.5	6943.9	7919.3	7849.4
60°	13.8	17.6	21.4	27.6	31.4	38.0	51.4	1169.4	6950.6	7913.6	7945.9
62.5°	11.9	15.7	19.0	23.3	26.6	32.3	46.1	1069.0	6669.1	7654.4	7887.9
65°	10.5	13.8	17.1	20.0	22.8	29.0	41.8	885.9	6188.3	7236.4	7490.8
67.5°	9.5	11.9	15.7	17.6	20.4	25.7	37.1	631.5	5587.7	6725.2	6890.2
70°	8.6	11.4	14.3	16.2	18.5	22.4	31.9	362.8	4718.4	5976.7	6094.1
72.5°	8.1	10.9	12.8	15.2	16.6	20.0	29.0	170.7	3454.8	4787.8	5094.5
75°	7.1	10.0	11.9	14.3	15.7	18.1	24.7	81.8	2297.8	3464.8	3813.4
77.5°	4.3	8.1	10.9	12.8	13.8	15.7	20.4	47.1	1466.6	2398.2	2824.7
80°	0.0	2.9	8.1	10.9	11.9	13.3	15.7	37.1	784.7	1370.1	1644.4
82.5°	0.0	0.0	5.7	8.6	8.1	9.0	11.9	23.3	353.8	895.5	1009.1
85°	0.0	0.0	1.9	6.7	5.7	4.3	8.1	8.1	77.5	453.2	565.4
87.5°	0.0	0.0	0.0	0.5	2.9	1.9	3.3	1.0	0.5	33.8	137.0
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: P387008

CATALOG NUMBER: GAW-SA2D-727-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	3269.9	3269.9	3269.9	3269.9	3269.9	3269.9	3269.9	3269.9	3269.9	3269.9
2.5°	3696.4	3731.6	3791.1	3819.1	3805.3	3746.8	3676.9	3605.6	3563.7	3580.4
5°	3923.7	4104.9	4209.5	4244.3	4186.2	4055.0	3883.3	3657.0	3576.6	3554.7
7.5°	3923.7	4264.7	4480.6	4518.6	4389.3	4132.0	3810.1	3456.7	3339.3	3296.5
10°	3785.8	4250.0	4551.0	4611.4	4430.7	4046.0	3614.6	3211.4	3072.0	3027.8
12.5°	3630.3	4130.1	4447.3	4530.5	4382.2	3960.4	3479.1	3045.4	2881.3	2842.8
15°	3534.7	3982.7	4245.2	4305.6	4242.8	3910.4	3446.8	2995.5	2802.4	2765.3
17.5°	3569.0	3868.6	3963.2	3998.4	4040.7	3892.8	3534.7	3104.8	2860.4	2825.2
20°	3697.9	3748.3	3699.3	3743.5	3857.6	3909.9	3744.5	3369.2	3075.8	3028.8
22.5°	3916.6	3686.0	3548.5	3566.1	3705.0	3966.5	4065.0	3746.8	3408.2	3349.3
25°	4171.5	3736.4	3464.8	3449.1	3591.8	4041.2	4357.9	4157.7	3801.5	3736.4
27.5°	4492.0	3849.6	3447.7	3432.0	3552.3	4111.1	4601.4	4563.8	4215.7	4104.4
30°	4739.3	3960.8	3498.6	3462.5	3591.8	4159.6	4796.8	4908.6	4545.8	4472.0
32.5°	4916.7	4092.1	3581.3	3529.0	3703.1	4243.3	4947.6	5224.4	4851.1	4739.3
35°	5051.7	4234.7	3715.0	3628.9	3856.2	4370.3	5088.8	5560.6	5175.9	5053.6
37.5°	5178.2	4434.9	3923.7	3821.0	4096.4	4574.8	5238.1	5942.0	5539.2	5393.2
40°	5354.7	4661.8	4245.7	4154.4	4500.1	4853.4	5424.6	6339.5	5952.4	5768.9
42.5°	5531.1	4905.3	4575.2	4600.0	5003.7	5192.0	5665.2	6759.9	6360.4	6164.5
45°	5692.3	5156.4	5044.6	5158.7	5471.2	5563.4	5904.4	7002.9	6686.2	6496.9
47.5°	5835.9	5470.2	5511.1	5815.0	6002.8	5899.6	6083.2	7212.6	6928.7	6761.8
50°	6002.8	5876.3	6126.0	6555.9	6614.9	6204.0	6245.8	7460.9	7212.1	7078.0
52.5°	6185.4	6304.3	6807.0	7186.0	7167.0	6534.5	6409.4	7739.0	7600.7	7474.6
55°	6392.8	6650.0	7406.6	7775.7	7759.5	6903.5	6680.5	8082.9	8087.6	7973.5
57.5°	6700.5	6947.7	7813.7	8252.6	8279.7	7329.6	7139.9	8468.1	8528.0	8451.9
59°	6921.1	7140.8	7974.9	8451.9	8562.2	7659.2	7475.6	8691.6	8652.1	8582.7
60°	7084.7	7263.5	8054.8	8556.0	8726.3	7882.7	7723.4	8822.8	8666.8	8582.7
62.5°	7489.4	7530.8	8198.9	8674.0	8915.1	8379.1	8420.5	9046.3	8564.6	8427.2
65°	7678.2	7699.6	8197.0	8462.8	8732.5	8765.8	9053.0	9053.0	8314.9	8103.8
67.5°	7599.2	7496.0	7790.4	7762.8	8032.0	8536.1	9290.8	8721.1	7837.5	7564.5
70°	6957.2	6560.2	6429.4	6441.3	6647.2	7424.7	8820.0	7744.3	6933.9	6614.9
72.5°	5788.8	4836.3	4513.4	4882.0	4935.7	5706.1	7516.5	5832.1	5113.6	4814.4
75°	4656.1	3409.2	2884.2	3273.2	3364.5	4175.8	5814.5	3632.2	2986.9	2753.9
77.5°	3345.0	2447.2	2069.6	2042.5	2160.4	2648.3	4125.8	1828.0	1524.6	1422.8
80°	1900.3	1610.7	1734.3	1636.4	1695.8	1655.9	1960.2	801.8	656.7	613.9
82.5°	1147.0	952.0	1031.0	858.4	1086.1	945.9	755.2	256.8	223.0	212.1
85°	746.1	520.2	271.1	181.7	374.3	604.4	168.8	69.9	53.7	42.8
87.5°	257.3	132.7	13.3	5.7	39.9	112.7	6.2	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

(END OF REPORT)