

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: McGRAW-EDISON

Report Number: P629412

Luminaire Tested: GWS-SA1B-750-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629412
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-750-U-SLR-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2275.2 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

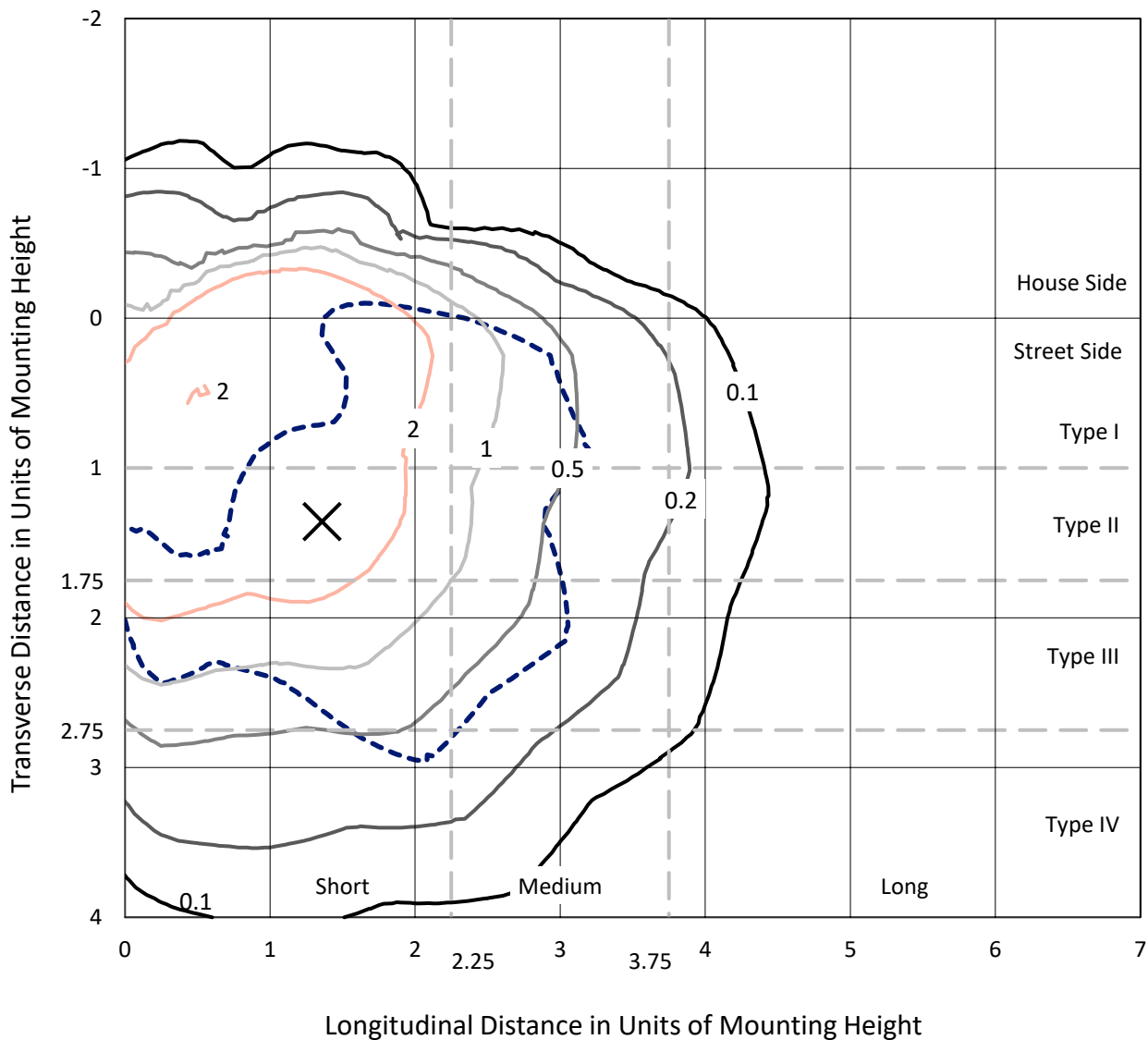
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629412
 CATALOG NUMBER: GWS-SA1B-750-U-SLR-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

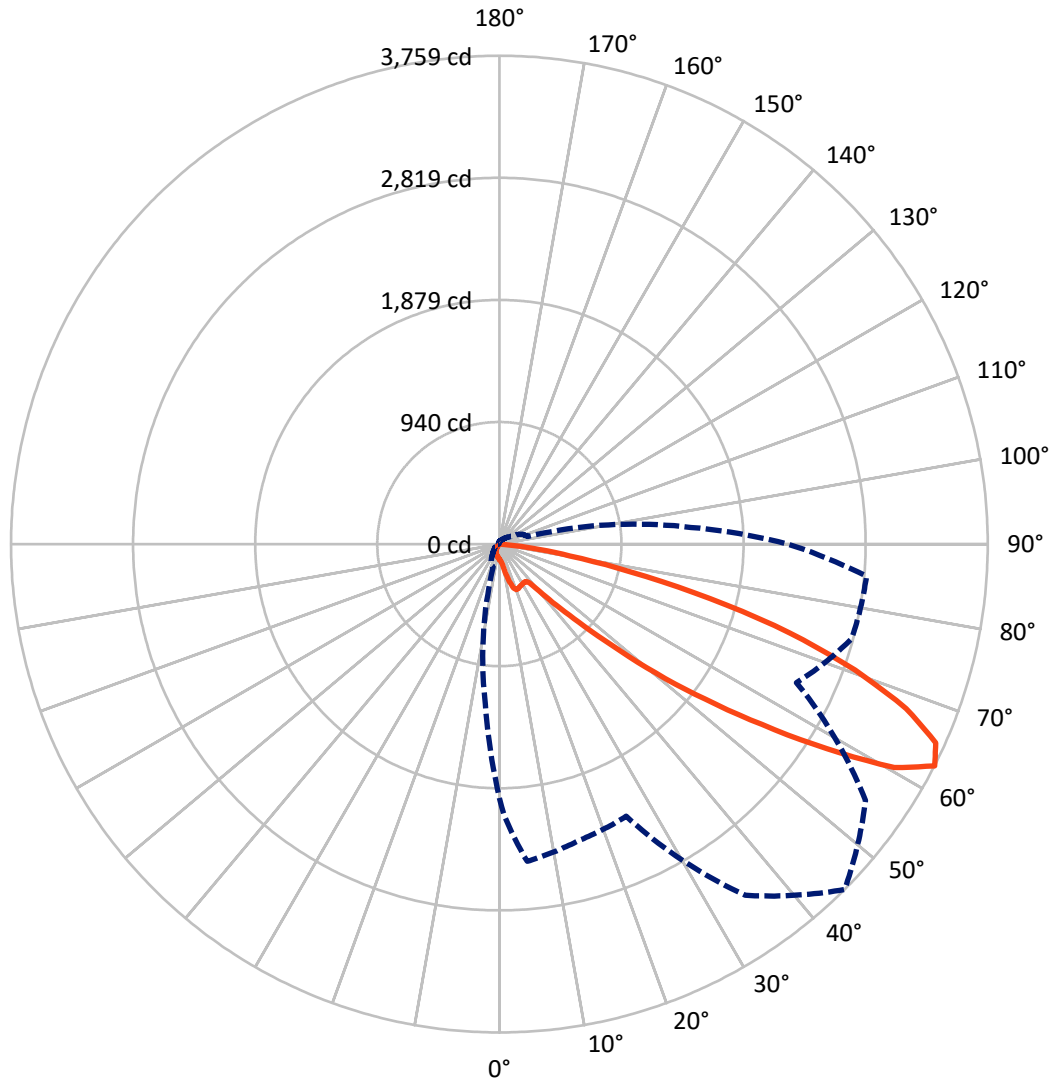
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.6 fc
 Type IV - Short - N/A

REPORT NUMBER: P629412
CATALOG NUMBER: GWS-SA1B-750-U-SLR-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P629412
 CATALOG NUMBER: GWS-SA1B-750-U-SLR-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	280.8	0.0	280.8
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	1994.4	0.0	1994.4
	% Fixture	87.7	0.0	87.7
Total	Lumens	2275.2	0.0	2275.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.5	0.5
10°-20°	39.7	1.7
20°-30°	86.2	3.8
30°-40°	141.5	6.2
40°-50°	260.2	11.4
50°-60°	558.8	24.6
60°-70°	750.5	33.0
70°-80°	390.8	17.2
80°-90°	37.1	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°	2275.2	100.0
0°-180°	2275.2	100.0

Coefficient of Utilization



REPORT NUMBER: P629412

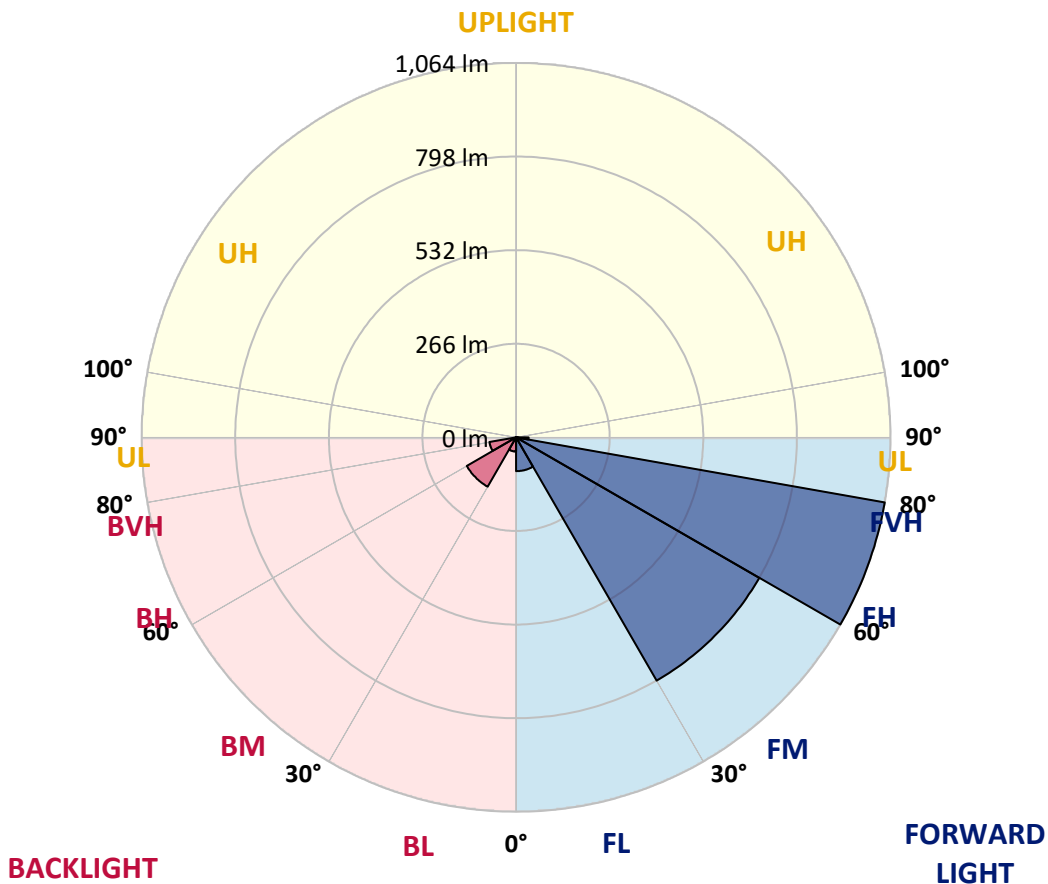
CATALOG NUMBER: GWS-SA1B-750-U-SLR-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	96.1	4.2			
FM (30°-60°)	798.6	35.1			
FH (60°-80°)	1064.4	46.8			G1/1800
FVH (80°-90°)	35.4	1.6			G1/100
BL (0°-30°)	40.3	1.8	B0/110		
BM (30°-60°)	161.9	7.1	B0/220		
BH (60°-80°)	76.9	3.4	B0/110		G0/110
BVH (80°-90°)	1.7	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Short





REPORT NUMBER: P629412
 CATALOG NUMBER: GWS-SA1B-750-U-SLR-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	118.3	118.3	118.3	118.3	118.3	118.3	118.3	118.3	118.3	118.3	118.3
2.5°	120.6	121.2	121.7	123.5	124.8	125.9	126.1	125.4	123.5	121.7	119.1
5°	116.9	117.5	119.3	124.3	129.3	133.2	134.6	133.8	129.3	123.5	117.5
7.5°	116.7	117.7	122.2	132.7	143.5	151.6	153.7	151.9	143.5	131.9	119.6
10°	126.1	128.0	134.6	153.5	173.2	187.6	193.4	185.5	172.1	151.1	130.9
12.5°	150.9	154.0	166.6	194.2	224.7	243.9	251.8	242.0	221.0	190.5	158.5
15°	189.7	194.5	213.4	254.7	290.7	307.7	310.4	304.9	280.4	246.8	203.7
17.5°	244.7	251.5	280.9	323.0	349.0	355.1	354.3	348.5	330.6	307.5	266.7
20°	310.4	318.5	347.4	382.1	384.7	377.7	373.7	370.3	364.2	360.3	328.5
22.5°	376.6	386.6	416.8	425.5	401.8	381.3	371.6	374.2	383.2	402.6	389.7
25°	442.6	452.0	480.4	457.0	409.7	375.6	363.2	369.5	390.8	432.8	449.4
27.5°	519.6	526.7	543.5	478.6	411.0	370.8	358.7	368.5	394.5	451.8	514.8
30°	599.7	603.9	595.8	484.4	406.6	363.7	354.3	368.5	400.8	464.4	564.0
32.5°	658.6	659.4	632.8	484.9	404.2	357.9	350.1	366.9	406.8	474.9	611.5
35°	719.3	715.4	668.3	492.8	410.5	360.0	353.2	371.3	416.3	487.2	653.3
37.5°	780.8	773.7	708.0	505.6	426.8	382.9	378.7	394.2	431.5	504.3	699.3
40°	843.9	834.1	749.3	525.1	463.1	460.7	475.2	473.3	473.3	526.1	746.6
42.5°	920.9	909.6	810.2	580.0	547.7	600.5	639.9	615.5	570.3	576.3	808.1
45°	1022.6	1012.9	915.9	685.1	680.4	801.8	854.9	806.6	694.1	692.2	910.9
47.5°	1185.3	1183.4	1084.3	807.1	842.8	1058.1	1160.6	1067.5	835.2	815.0	1105.4
50°	1413.9	1408.4	1294.3	950.0	1036.0	1375.5	1558.4	1403.4	1005.8	958.2	1365.8
52.5°	1671.4	1677.2	1588.4	1106.2	1241.2	1728.7	1983.4	1788.1	1191.0	1140.3	1693.5
55°	1914.0	1947.1	1923.7	1288.8	1441.8	2118.7	2450.1	2210.2	1420.5	1378.7	2060.9
57.5°	2103.8	2197.1	2361.1	1554.2	1677.5	2575.0	2971.3	2667.7	1688.3	1765.8	2561.0
60°	2114.3	2237.8	2618.6	2109.5	1980.8	2966.3	3491.6	3114.8	2109.3	2423.1	2952.9
62.5°	1955.8	2088.3	2450.9	2361.8	2311.1	3299.3	3758.7	3440.7	2523.5	2808.1	2836.7
65°	1774.5	1908.2	2263.8	2075.6	2272.7	3285.1	3690.8	3448.3	2561.0	2546.3	2628.9
67.5°	1500.4	1620.5	1942.4	1837.3	2094.8	3126.6	3377.6	3230.9	2359.5	2381.5	2418.3
70°	1095.1	1210.7	1509.6	1514.8	1829.4	2840.9	2902.2	2881.9	2172.9	2196.3	2091.1
72.5°	791.0	888.5	1146.4	1242.3	1460.4	2382.3	2340.0	2418.1	1864.3	1956.1	1679.6
75°	568.7	641.8	841.0	1080.7	1157.7	1769.2	1675.1	1872.8	1495.9	1684.3	1262.8
77.5°	230.7	256.5	330.9	728.0	760.8	1190.2	1025.5	1360.3	1066.5	1106.7	612.1
80°	9.5	10.5	13.7	375.8	521.7	669.6	548.7	727.2	704.3	445.7	144.5
82.5°	1.1	1.1	2.4	108.3	228.4	369.5	258.6	418.9	356.6	189.0	65.7
85°	0.3	0.3	0.5	12.4	53.6	59.1	35.0	128.5	165.8	77.3	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.4	2.6	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: P629412
 CATALOG NUMBER: GWS-SA1B-750-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	118.3	118.3	118.3	118.3	118.3	118.3	118.3	118.3	118.3	118.3	118.3
2.5°	119.1	117.7	116.2	114.6	113.8	111.7	110.9	110.4	109.9	110.1	110.1
5°	115.1	112.2	108.8	105.4	103.5	101.4	100.4	99.9	100.1	101.2	101.2
7.5°	114.6	109.1	101.7	97.2	95.1	93.6	92.5	92.0	92.2	93.6	94.1
10°	123.3	113.5	100.4	92.8	90.4	88.8	87.8	87.0	86.5	87.5	87.8
12.5°	141.9	128.5	106.7	92.2	88.0	85.9	85.1	83.6	82.8	83.3	83.6
15°	180.5	157.4	119.3	94.3	85.9	83.6	82.3	80.9	79.6	79.4	79.6
17.5°	231.0	197.9	138.5	99.3	84.4	81.5	79.6	77.8	76.0	75.7	75.4
20°	293.6	247.6	165.3	107.2	83.0	79.6	77.0	74.4	72.0	71.2	71.2
22.5°	350.6	307.5	199.7	116.9	81.2	77.0	73.8	70.7	68.1	66.8	66.5
25°	420.2	371.1	241.0	128.2	78.6	73.6	70.2	67.0	64.4	62.8	62.3
27.5°	490.4	438.1	287.8	143.0	75.4	70.2	67.0	64.1	61.2	59.4	58.9
30°	558.5	510.4	340.3	161.4	73.1	66.8	64.1	61.2	58.6	55.7	54.9
32.5°	631.5	584.2	399.2	181.9	71.2	64.4	61.5	58.9	55.5	52.8	51.5
35°	702.0	660.4	464.1	201.8	69.4	62.3	59.1	56.5	52.8	49.9	48.1
37.5°	772.9	738.0	531.9	213.9	66.8	59.4	56.5	54.4	50.2	46.8	44.7
40°	848.1	818.1	605.2	208.9	64.4	56.2	54.7	52.3	47.6	43.6	41.0
42.5°	930.6	894.6	679.9	189.7	62.3	53.6	52.0	49.7	45.2	40.5	37.1
45°	1034.4	978.4	741.1	160.8	63.3	51.0	47.8	47.3	43.1	37.1	32.9
47.5°	1212.9	1107.2	788.7	142.2	70.4	48.1	44.4	45.7	41.3	33.6	28.9
50°	1485.9	1320.6	833.1	140.9	81.2	46.8	41.3	44.7	39.4	30.2	25.5
52.5°	1746.1	1537.4	861.5	152.4	90.7	50.2	38.1	43.4	38.1	27.9	23.1
55°	1995.0	1662.5	810.8	160.8	99.6	60.4	35.7	41.3	36.5	26.5	22.3
57.5°	2263.3	1718.2	638.4	177.9	105.9	69.1	36.3	38.1	34.4	25.8	22.1
60°	2343.4	1647.0	385.3	200.3	102.5	71.7	40.2	33.9	31.5	24.2	21.3
62.5°	2218.9	1478.0	227.3	182.4	99.6	67.8	46.0	31.3	28.6	22.1	19.7
65°	2032.5	1248.6	148.2	154.0	105.6	60.4	48.9	30.0	26.0	20.0	17.3
67.5°	1819.7	1005.8	103.8	90.9	97.5	54.4	41.3	29.7	23.4	16.8	14.2
70°	1532.7	753.2	73.1	60.2	81.2	48.4	32.1	28.9	20.5	13.7	11.0
72.5°	1184.2	471.5	54.4	38.9	57.8	39.4	25.5	24.4	16.6	11.3	8.4
75°	873.3	268.9	38.4	28.1	38.1	30.0	18.9	17.3	14.2	10.8	7.6
77.5°	456.0	134.6	23.9	21.6	21.8	18.7	13.7	12.6	13.1	10.8	7.1
80°	87.5	26.8	14.5	15.8	11.8	11.8	10.0	10.5	11.6	8.7	6.0
82.5°	36.5	5.8	7.9	8.9	7.4	8.1	8.1	8.4	8.1	6.3	4.5
85°	0.0	0.0	3.4	3.7	5.0	5.0	4.2	4.2	4.2	3.7	2.6
87.5°	0.0	0.0	0.0	0.0	0.3	0.8	1.6	1.8	2.1	1.6	1.1
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: P629412
 CATALOG NUMBER: GWS-SA1B-750-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	118.3	118.3	118.3	118.3	118.3	118.3	118.3	118.3	118.3	118.3	118.3
2.5°	109.9	109.3	110.1	110.6	111.2	111.2	110.6	110.1	109.3	110.1	109.3
5°	101.4	102.2	103.5	104.1	104.6	103.5	103.0	101.4	100.1	100.4	99.9
7.5°	94.9	95.7	97.2	98.3	98.3	97.8	96.2	94.6	92.5	92.5	92.2
10°	88.8	89.9	91.7	93.0	93.6	93.0	91.5	89.4	87.5	87.5	86.7
12.5°	83.8	85.1	87.3	89.1	89.6	89.1	87.5	85.4	83.3	83.3	82.8
15°	79.6	81.2	83.6	85.7	86.5	85.7	83.8	81.2	79.1	79.4	78.6
17.5°	75.7	77.0	80.2	82.5	83.3	82.5	80.2	76.7	74.6	75.2	74.6
20°	71.2	72.8	76.0	78.6	79.4	78.6	76.0	72.3	70.2	70.2	70.4
22.5°	66.5	68.1	71.2	73.1	74.1	73.3	70.7	67.3	65.2	65.2	65.4
25°	62.3	63.1	65.4	67.3	67.5	66.8	64.7	62.0	60.4	61.2	61.5
27.5°	58.3	58.3	59.4	60.4	60.2	59.4	58.6	56.5	56.2	57.0	57.8
30°	54.1	52.8	52.3	51.5	51.2	51.0	51.8	51.8	52.3	53.3	54.1
32.5°	50.5	47.8	45.5	43.1	41.8	42.8	44.9	46.8	48.6	50.2	51.0
35°	46.3	42.0	38.1	35.0	32.9	34.4	37.8	41.3	44.4	46.5	47.8
37.5°	42.0	36.0	31.3	27.3	25.8	27.1	30.7	35.5	40.2	42.8	44.7
40°	37.6	30.0	24.4	21.3	19.7	21.0	24.7	29.4	35.7	39.2	41.5
42.5°	33.1	24.7	19.7	16.6	15.8	16.6	19.4	24.2	31.0	35.2	38.4
45°	28.6	20.5	15.8	13.4	12.6	13.4	15.8	19.7	26.5	31.3	35.0
47.5°	24.7	17.3	13.1	11.0	10.5	11.3	13.1	16.6	22.3	27.1	31.3
50°	21.6	15.2	11.3	9.5	8.9	9.7	11.3	13.9	18.9	23.1	27.6
52.5°	19.4	14.2	10.0	8.1	7.9	8.4	9.7	11.8	16.0	19.7	23.9
55°	18.9	14.2	9.2	7.4	7.1	7.6	8.7	10.2	13.9	17.1	20.8
57.5°	19.4	15.2	8.7	6.3	6.0	6.6	7.6	8.9	12.1	14.7	18.1
60°	19.4	15.5	7.6	5.0	4.7	5.3	6.3	7.9	10.8	12.9	15.8
62.5°	17.6	14.2	6.3	3.9	3.4	3.9	5.3	6.6	9.5	11.6	13.9
65°	15.2	12.1	5.3	2.9	2.4	2.9	4.2	5.5	8.1	10.0	12.6
67.5°	12.4	9.2	3.9	2.1	1.6	2.1	3.2	4.5	6.8	8.7	11.3
70°	9.2	6.6	3.2	1.8	1.6	1.8	2.9	4.2	6.0	7.9	10.5
72.5°	6.8	4.5	2.6	1.8	1.3	1.8	2.6	3.9	5.8	7.6	10.0
75°	5.8	3.7	2.4	1.6	1.3	1.6	2.4	3.7	5.3	7.1	9.5
77.5°	5.5	3.4	2.1	1.3	1.1	1.3	2.1	3.2	4.7	6.6	9.2
80°	4.7	2.9	1.8	1.1	0.8	1.1	1.8	2.6	3.7	5.0	7.1
82.5°	3.7	2.4	1.3	0.5	0.3	0.5	1.3	1.6	2.4	2.9	4.2
85°	2.4	1.3	0.5	0.0	0.0	0.0	0.5	1.1	1.1	1.3	2.1
87.5°	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8
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: P629412
 CATALOG NUMBER: GWS-SA1B-750-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	118.3	118.3	118.3	118.3	118.3	118.3	118.3	118.3	118.3	118.3
2.5°	110.9	111.2	111.7	112.5	114.3	115.9	117.5	119.6	120.6	120.6
5°	100.4	100.7	100.9	102.0	104.6	106.7	110.1	114.3	116.4	116.9
7.5°	92.2	92.8	93.3	94.1	96.7	99.6	104.1	112.0	115.9	116.7
10°	87.5	88.3	89.4	90.9	93.3	96.4	104.1	118.3	124.8	126.1
12.5°	83.8	85.1	86.2	88.0	90.9	95.9	111.2	136.1	147.7	150.9
15°	80.2	81.7	83.3	85.1	88.3	97.8	124.8	168.2	187.4	189.7
17.5°	76.5	78.3	80.4	82.5	86.5	102.2	146.4	212.6	239.4	244.7
20°	72.3	74.6	77.5	80.2	84.6	109.3	176.3	265.4	299.1	310.4
22.5°	67.8	70.7	74.1	77.5	82.5	118.0	212.6	322.2	369.2	376.6
25°	64.1	67.0	70.2	73.6	79.1	128.5	256.5	392.6	435.5	442.6
27.5°	60.7	63.6	66.5	69.6	75.7	142.2	309.3	467.5	512.2	519.6
30°	57.0	60.4	63.3	66.5	72.5	159.0	370.3	550.6	592.9	599.7
32.5°	53.9	57.3	60.2	63.3	70.2	177.4	434.4	624.2	658.6	658.6
35°	51.2	54.9	57.0	61.2	68.3	189.2	495.1	694.3	720.4	719.3
37.5°	48.4	52.8	54.4	57.3	66.0	190.5	552.2	768.4	787.6	780.8
40°	45.5	50.2	52.6	54.1	63.3	179.8	614.7	836.5	852.8	843.9
42.5°	42.8	46.5	49.9	51.8	61.8	160.8	664.9	909.3	928.8	920.9
45°	40.2	43.4	45.5	48.9	62.8	147.7	708.0	994.2	1028.4	1022.6
47.5°	37.6	40.2	41.5	46.8	69.9	141.7	734.3	1125.6	1190.0	1185.3
50°	34.7	37.8	37.8	46.3	80.4	143.8	757.1	1315.9	1415.5	1413.9
52.5°	31.8	35.2	34.7	50.2	88.6	153.5	783.2	1483.8	1657.0	1671.4
55°	28.9	32.1	32.6	58.1	93.3	161.9	682.5	1554.5	1863.3	1914.0
57.5°	25.8	27.6	33.9	64.1	91.7	186.3	467.5	1567.4	1995.0	2103.8
60°	22.3	23.9	38.4	62.8	86.7	172.1	294.3	1451.7	1976.3	2114.3
62.5°	19.4	22.1	40.5	55.5	88.3	149.3	187.6	1237.3	1798.4	1955.8
65°	17.1	21.3	36.8	50.2	89.4	101.2	126.7	1006.5	1624.7	1774.5
67.5°	15.2	23.7	30.2	44.7	76.7	71.2	87.0	782.1	1366.1	1500.4
70°	13.9	24.2	24.7	38.4	59.4	45.7	57.3	526.4	941.6	1095.1
72.5°	12.6	17.9	18.7	30.7	38.4	27.9	37.1	301.2	686.4	791.0
75°	12.1	12.1	12.9	20.0	21.3	20.2	23.9	179.8	492.2	568.7
77.5°	11.3	9.2	8.1	12.9	11.6	14.5	14.2	79.9	213.4	230.7
80°	8.9	6.6	5.5	8.1	7.9	9.7	8.4	6.6	9.7	9.5
82.5°	5.5	4.2	3.9	5.0	4.5	5.0	3.9	1.1	1.1	1.1
85°	2.6	2.4	2.1	2.1	2.4	2.1	1.6	0.5	0.3	0.3
87.5°	1.3	1.3	1.1	0.8	1.1	1.1	0.8	0.3	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

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