

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: P633370

Luminaire Tested: GWS-SA2E-750-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633370
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-SA2E-750-U-SLR-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9262.6 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

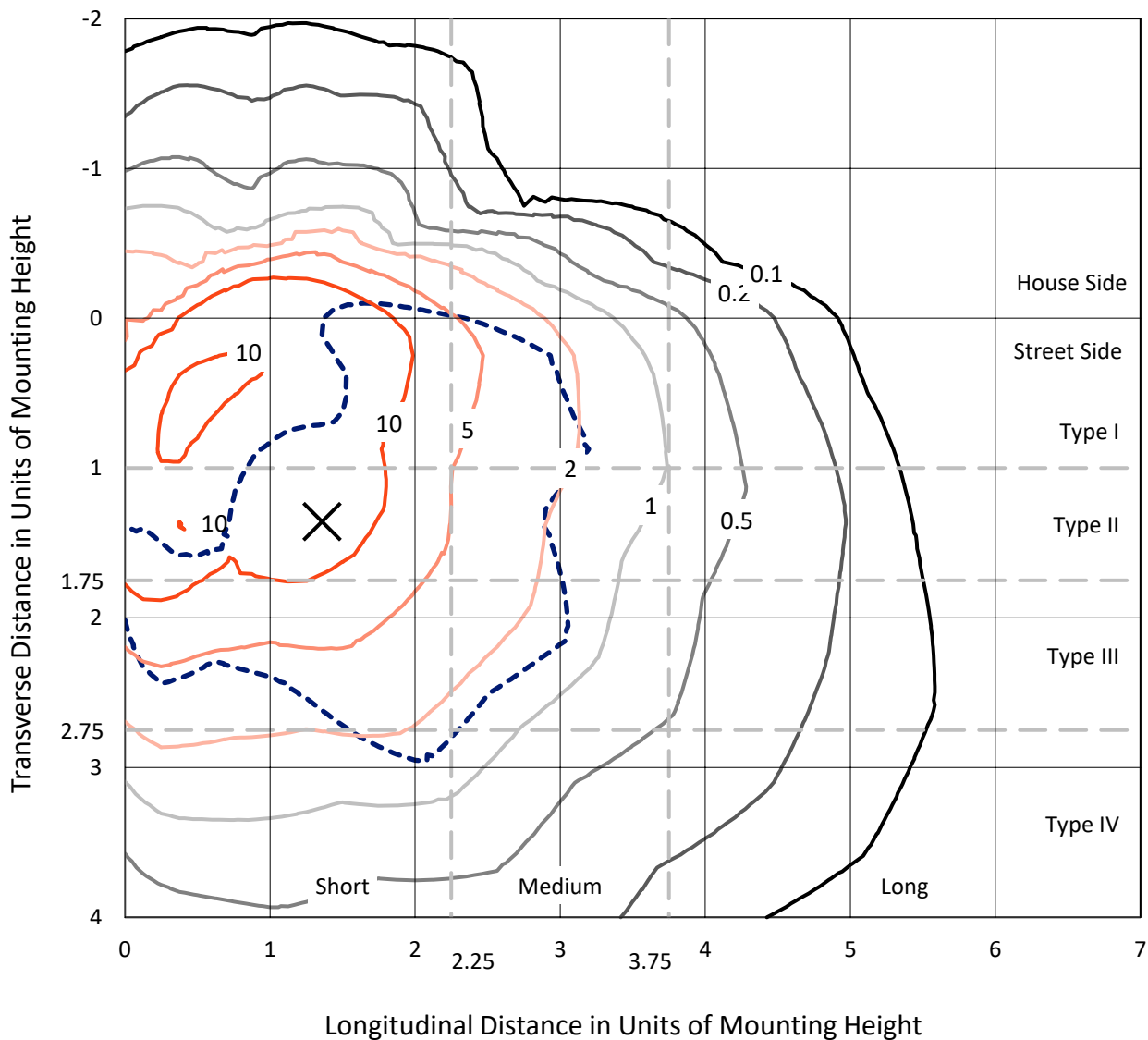
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633370
 CATALOG NUMBER: GWS-SA2E-750-U-SLR-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

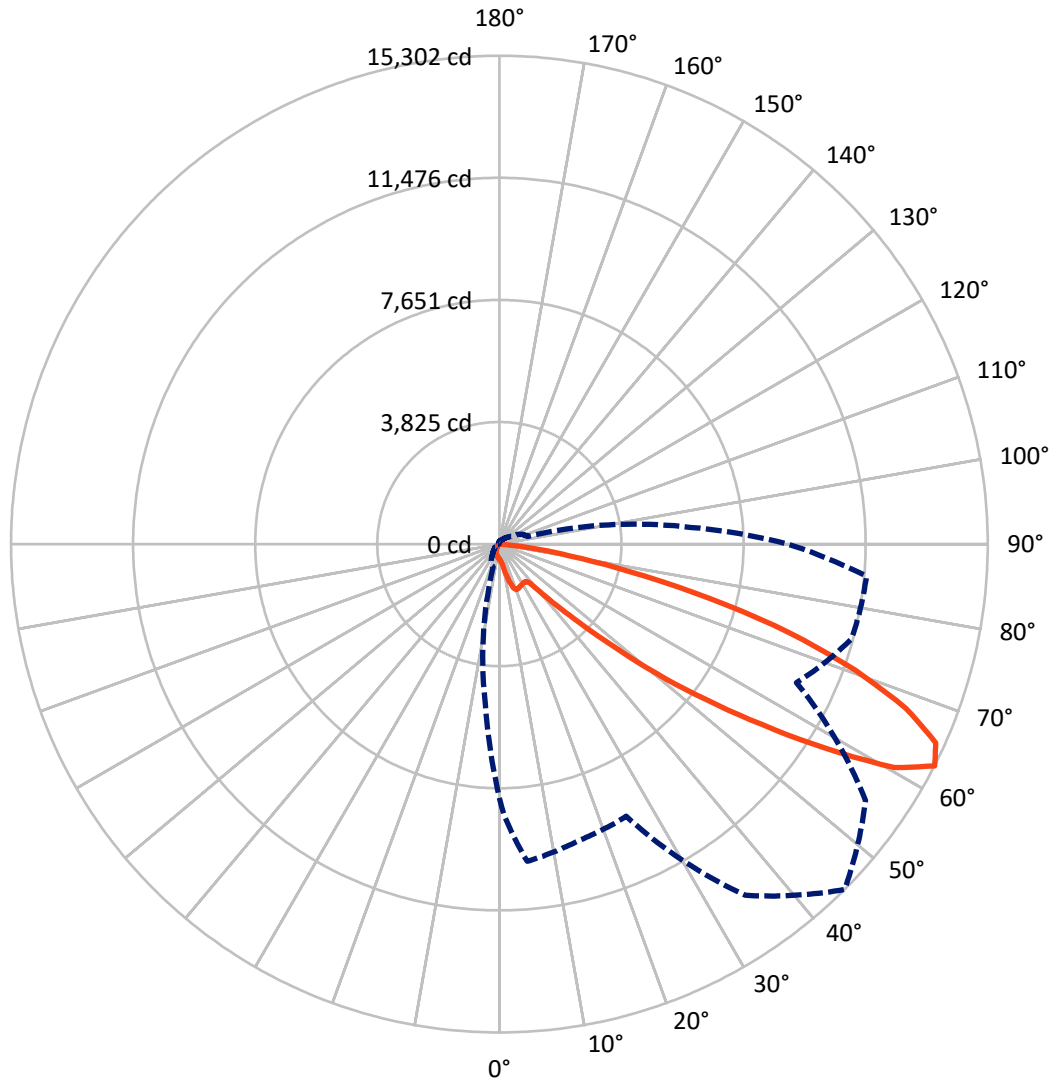
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.8 fc
 Type IV - Short - N/A

REPORT NUMBER: P633370
CATALOG NUMBER: GWS-SA2E-750-U-SLR-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P633370
 CATALOG NUMBER: GWS-SA2E-750-U-SLR-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1143.0	0.0	1143.0
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	8119.6	0.0	8119.6
	% Fixture	87.7	0.0	87.7
Total	Lumens	9262.6	0.0	9262.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.7	0.5
10°-20°	161.5	1.7
20°-30°	351.0	3.8
30°-40°	576.2	6.2
40°-50°	1059.2	11.4
50°-60°	2274.8	24.6
60°-70°	3055.4	33.0
70°-80°	1591.0	17.2
80°-90°	150.8	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°	9262.6	100.0
0°-180°	9262.6	100.0

Coefficient of Utilization



REPORT NUMBER: P633370

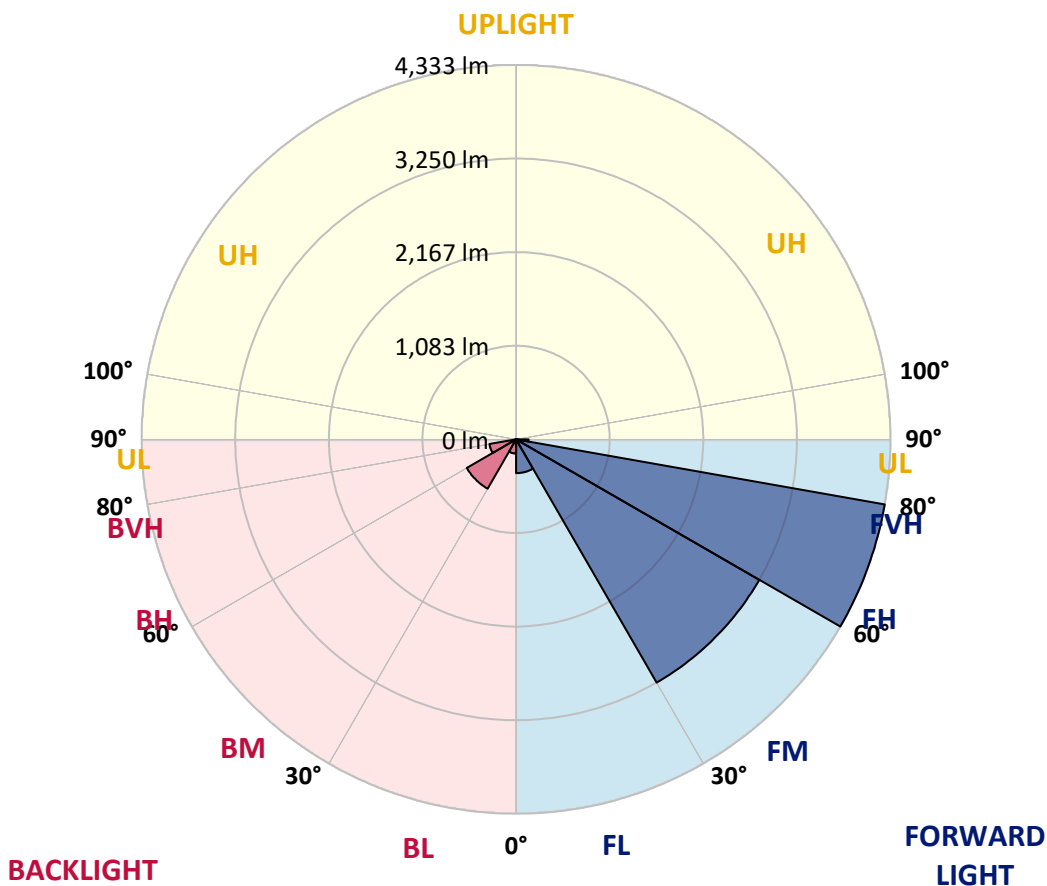
CATALOG NUMBER: GWS-SA2E-750-U-SLR-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	391.3	4.2			
FM (30°-60°)	3251.1	35.1			
FH (60°-80°)	4333.1	46.8			G2/5000
FVH (80°-90°)	144.1	1.6			G2/225
BL (0°-30°)	164.0	1.8	B1/500		
BM (30°-60°)	659.1	7.1	B1/1000		
BH (60°-80°)	313.2	3.4	B1/500		G1/500
BVH (80°-90°)	6.7	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





REPORT NUMBER: P633370

CATALOG NUMBER: GWS-SA2E-750-U-SLR-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	481.5	481.5	481.5	481.5	481.5	481.5	481.5	481.5	481.5	481.5	481.5
2.5°	491.1	493.2	495.4	502.9	508.2	512.5	513.6	510.3	502.9	495.4	484.7
5°	476.1	478.3	485.7	506.1	526.4	542.4	547.8	544.6	526.4	502.9	478.3
7.5°	475.0	479.3	497.5	540.3	584.2	617.3	625.9	618.4	584.2	537.1	486.8
10°	513.6	521.0	547.8	624.8	705.1	763.9	787.5	755.4	700.8	615.2	532.8
12.5°	614.1	627.0	678.3	790.7	914.8	992.9	1025.0	985.4	899.8	775.7	645.2
15°	772.5	791.7	868.8	1036.7	1183.3	1252.9	1263.6	1241.1	1141.6	1004.6	829.2
17.5°	996.1	1023.9	1143.7	1314.9	1420.8	1445.5	1442.2	1418.7	1346.0	1251.8	1086.0
20°	1263.6	1296.7	1414.4	1555.7	1566.4	1537.5	1521.4	1507.5	1482.9	1466.9	1337.4
22.5°	1533.2	1573.8	1696.9	1732.2	1635.9	1552.4	1512.9	1523.6	1559.9	1639.1	1586.7
25°	1801.7	1840.3	1955.8	1860.6	1668.0	1528.9	1478.6	1504.3	1591.0	1762.1	1829.6
27.5°	2115.2	2144.1	2212.6	1948.3	1673.3	1509.6	1460.4	1500.0	1605.9	1839.2	2096.0
30°	2441.5	2458.7	2425.5	1971.9	1655.2	1480.8	1442.2	1500.0	1631.6	1890.5	2296.0
32.5°	2681.2	2684.4	2576.4	1974.0	1645.5	1457.2	1425.1	1493.6	1656.2	1933.3	2489.7
35°	2928.4	2912.3	2720.8	2006.1	1671.2	1465.8	1438.0	1511.8	1694.7	1983.6	2659.8
37.5°	3178.7	3149.8	2882.3	2058.5	1737.5	1558.9	1541.7	1604.9	1756.8	2053.2	2847.0
40°	3435.5	3395.9	3050.3	2137.7	1885.2	1875.6	1934.4	1926.9	1926.9	2142.0	3039.6
42.5°	3749.0	3703.0	3298.5	2361.3	2229.7	2444.8	2605.2	2505.7	2321.7	2346.3	3290.0
45°	4163.0	4123.4	3728.7	2789.3	2770.0	3264.3	3480.4	3283.6	2825.6	2818.2	3708.3
47.5°	4825.3	4817.8	4414.5	3285.7	3431.2	4307.5	4724.7	4346.0	3400.2	3317.8	4500.1
50°	5756.1	5733.7	5269.3	3867.7	4217.6	5599.9	6344.6	5713.3	4094.6	3900.9	5560.3
52.5°	6804.7	6828.2	6466.6	4503.3	5053.2	7037.9	8074.6	7279.7	4848.9	4642.4	6894.5
55°	7792.2	7927.0	7831.8	5246.9	5869.5	8625.6	9974.8	8998.0	5782.9	5612.8	8390.3
57.5°	8564.7	8944.5	9612.1	6327.5	6829.3	10483.0	12096.4	10860.7	6873.1	7188.8	10426.3
60°	8607.5	9110.3	10660.6	8588.2	8063.9	12076.1	14214.9	12680.6	8587.1	9864.6	12021.6
62.5°	7962.3	8501.5	9978.0	9615.3	9408.8	13431.7	15301.9	14007.3	10273.3	11432.0	11548.7
65°	7224.1	7768.6	9216.2	8450.2	9252.6	13373.9	15025.9	14038.3	10426.3	10366.4	10702.4
67.5°	6108.1	6597.1	7907.7	7479.8	8528.3	12728.8	13750.5	13153.5	9605.7	9695.6	9845.3
70°	4458.3	4929.1	6145.6	6167.0	7447.7	11565.8	11815.1	11732.7	8846.0	8941.3	8513.3
72.5°	3220.4	3617.4	4667.0	5057.5	5945.5	9698.8	9526.5	9844.3	7590.0	7963.4	6837.8
75°	2315.3	2612.7	3423.7	4399.5	4713.0	7202.7	6819.6	7624.2	6090.0	6857.1	5140.9
77.5°	939.4	1044.2	1347.0	2963.7	3097.4	4845.6	4174.8	5537.9	4341.7	4505.4	2491.8
80°	38.5	42.8	55.6	1530.0	2123.8	2726.1	2234.0	2960.5	2867.4	1814.6	588.5
82.5°	4.3	4.3	9.6	440.8	929.8	1504.3	1052.8	1705.4	1451.9	769.3	267.5
85°	1.1	1.1	2.1	50.3	218.3	240.7	142.3	523.2	675.1	314.6	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	9.6	10.7	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: P633370

CATALOG NUMBER: GWS-SA2E-750-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	481.5	481.5	481.5	481.5	481.5	481.5	481.5	481.5	481.5	481.5	481.5
2.5°	484.7	479.3	472.9	466.5	463.3	454.7	451.5	449.4	447.2	448.3	448.3
5°	468.6	456.9	442.9	429.0	421.5	413.0	408.7	406.6	407.6	411.9	411.9
7.5°	466.5	444.0	414.1	395.9	387.3	380.9	376.6	374.5	375.5	380.9	383.0
10°	501.8	462.2	408.7	377.7	368.1	361.6	357.4	354.1	352.0	356.3	357.4
12.5°	577.8	523.2	434.4	375.5	358.4	349.9	346.7	340.2	337.0	339.2	340.2
15°	735.0	640.9	485.7	384.1	349.9	340.2	334.9	329.5	324.2	323.1	324.2
17.5°	940.5	805.6	563.8	404.4	343.4	331.7	324.2	316.7	309.2	308.1	307.1
20°	1195.1	1007.9	673.0	436.5	338.1	324.2	313.5	302.8	293.2	289.9	289.9
22.5°	1427.3	1251.8	813.1	476.1	330.6	313.5	300.6	287.8	277.1	271.8	270.7
25°	1710.8	1510.7	981.1	522.1	319.9	299.6	285.7	272.8	262.1	255.7	253.6
27.5°	1996.5	1783.5	1171.6	582.0	307.1	285.7	272.8	261.1	249.3	241.8	239.7
30°	2273.6	2077.8	1385.5	656.9	297.4	271.8	261.1	249.3	238.6	226.8	223.6
32.5°	2571.0	2378.4	1625.2	740.4	289.9	262.1	250.4	239.7	225.8	215.1	209.7
35°	2857.7	2688.7	1889.5	821.7	282.5	253.6	240.7	230.0	215.1	203.3	195.8
37.5°	3146.6	3004.3	2165.5	870.9	271.8	241.8	230.0	221.5	204.4	190.4	181.9
40°	3452.6	3330.6	2464.0	850.6	262.1	229.0	222.5	212.9	193.7	177.6	166.9
42.5°	3788.6	3642.0	2767.9	772.5	253.6	218.3	211.8	202.2	184.0	164.8	150.9
45°	4211.2	3983.3	3017.2	654.8	257.8	207.6	194.7	192.6	175.5	150.9	133.7
47.5°	4937.7	4507.5	3210.8	578.8	286.7	195.8	180.8	186.2	168.0	136.9	117.7
50°	6049.3	5376.3	3391.6	573.5	330.6	190.4	168.0	181.9	160.5	123.0	103.8
52.5°	7108.5	6259.0	3507.2	620.6	369.1	204.4	155.1	176.5	155.1	113.4	94.2
55°	8121.7	6768.3	3300.7	654.8	405.5	246.1	145.5	168.0	148.7	108.1	90.9
57.5°	9214.1	6995.1	2598.8	724.3	431.2	281.4	147.6	155.1	140.2	104.9	89.9
60°	9540.4	6705.2	1568.5	815.3	417.3	292.1	163.7	138.0	128.4	98.4	86.7
62.5°	9033.3	6017.2	925.5	742.5	405.5	276.0	187.2	127.3	116.6	89.9	80.2
65°	8274.7	5083.2	603.4	627.0	430.1	246.1	199.0	122.0	105.9	81.3	70.6
67.5°	7408.1	4094.6	422.6	370.2	396.9	221.5	168.0	120.9	95.2	68.5	57.8
70°	6239.7	3066.4	297.4	245.0	330.6	196.9	130.5	117.7	83.5	55.6	44.9
72.5°	4821.0	1919.4	221.5	158.3	235.4	160.5	103.8	99.5	67.4	46.0	34.2
75°	3555.3	1094.5	156.2	114.5	155.1	122.0	77.0	70.6	57.8	43.9	31.0
77.5°	1856.3	547.8	97.4	87.7	88.8	76.0	55.6	51.4	53.5	43.9	28.9
80°	356.3	109.1	58.8	64.2	48.1	48.1	40.7	42.8	47.1	35.3	24.6
82.5°	148.7	23.5	32.1	36.4	30.0	33.2	33.2	34.2	33.2	25.7	18.2
85°	0.0	0.0	13.9	15.0	20.3	20.3	17.1	17.1	17.1	15.0	10.7
87.5°	0.0	0.0	0.0	0.0	1.1	3.2	6.4	7.5	8.6	6.4	4.3
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: P633370

CATALOG NUMBER: GWS-SA2E-750-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	481.5	481.5	481.5	481.5	481.5	481.5	481.5	481.5	481.5	481.5	481.5
2.5°	447.2	445.1	448.3	450.4	452.6	452.6	450.4	448.3	445.1	448.3	445.1
5°	413.0	416.2	421.5	423.7	425.8	421.5	419.4	413.0	407.6	408.7	406.6
7.5°	386.2	389.4	395.9	400.1	400.1	398.0	391.6	385.2	376.6	376.6	375.5
10°	361.6	365.9	373.4	378.7	380.9	378.7	372.3	363.8	356.3	356.3	353.1
12.5°	341.3	346.7	355.2	362.7	364.8	362.7	356.3	347.7	339.2	339.2	337.0
15°	324.2	330.6	340.2	348.8	352.0	348.8	341.3	330.6	322.0	323.1	319.9
17.5°	308.1	313.5	326.3	336.0	339.2	336.0	326.3	312.4	303.9	306.0	303.9
20°	289.9	296.4	309.2	319.9	323.1	319.9	309.2	294.2	285.7	285.7	286.7
22.5°	270.7	277.1	289.9	297.4	301.7	298.5	287.8	273.9	265.3	265.3	266.4
25°	253.6	256.8	266.4	273.9	275.0	271.8	263.2	252.5	246.1	249.3	250.4
27.5°	237.5	237.5	241.8	246.1	245.0	241.8	238.6	230.0	229.0	232.2	235.4
30°	220.4	215.1	212.9	209.7	208.6	207.6	210.8	210.8	212.9	217.2	220.4
32.5°	205.4	194.7	185.1	175.5	170.1	174.4	183.0	190.4	197.9	204.4	207.6
35°	188.3	171.2	155.1	142.3	133.7	140.2	154.1	168.0	180.8	189.4	194.7
37.5°	171.2	146.6	127.3	111.3	104.9	110.2	125.2	144.4	163.7	174.4	181.9
40°	153.0	122.0	99.5	86.7	80.2	85.6	100.6	119.8	145.5	159.4	169.0
42.5°	134.8	100.6	80.2	67.4	64.2	67.4	79.2	98.4	126.2	143.4	156.2
45°	116.6	83.5	64.2	54.6	51.4	54.6	64.2	80.2	108.1	127.3	142.3
47.5°	100.6	70.6	53.5	44.9	42.8	46.0	53.5	67.4	90.9	110.2	127.3
50°	87.7	62.1	46.0	38.5	36.4	39.6	46.0	56.7	77.0	94.2	112.3
52.5°	79.2	57.8	40.7	33.2	32.1	34.2	39.6	48.1	65.3	80.2	97.4
55°	77.0	57.8	37.4	30.0	28.9	31.0	35.3	41.7	56.7	69.5	84.5
57.5°	79.2	62.1	35.3	25.7	24.6	26.7	31.0	36.4	49.2	59.9	73.8
60°	79.2	63.1	31.0	20.3	19.3	21.4	25.7	32.1	43.9	52.4	64.2
62.5°	71.7	57.8	25.7	16.0	13.9	16.0	21.4	26.7	38.5	47.1	56.7
65°	62.1	49.2	21.4	11.8	9.6	11.8	17.1	22.5	33.2	40.7	51.4
67.5°	50.3	37.4	16.0	8.6	6.4	8.6	12.8	18.2	27.8	35.3	46.0
70°	37.4	26.7	12.8	7.5	6.4	7.5	11.8	17.1	24.6	32.1	42.8
72.5°	27.8	18.2	10.7	7.5	5.3	7.5	10.7	16.0	23.5	31.0	40.7
75°	23.5	15.0	9.6	6.4	5.3	6.4	9.6	15.0	21.4	28.9	38.5
77.5°	22.5	13.9	8.6	5.3	4.3	5.3	8.6	12.8	19.3	26.7	37.4
80°	19.3	11.8	7.5	4.3	3.2	4.3	7.5	10.7	15.0	20.3	28.9
82.5°	15.0	9.6	5.3	2.1	1.1	2.1	5.3	6.4	9.6	11.8	17.1
85°	9.6	5.3	2.1	0.0	0.0	0.0	2.1	4.3	4.3	5.3	8.6
87.5°	4.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.1	3.2
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: P633370
 CATALOG NUMBER: GWS-SA2E-750-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	481.5	481.5	481.5	481.5	481.5	481.5	481.5	481.5	481.5	481.5
2.5°	451.5	452.6	454.7	457.9	465.4	471.8	478.3	486.8	491.1	491.1
5°	408.7	409.8	410.8	415.1	425.8	434.4	448.3	465.4	474.0	476.1
7.5°	375.5	377.7	379.8	383.0	393.7	405.5	423.7	455.8	471.8	475.0
10°	356.3	359.5	363.8	370.2	379.8	392.7	423.7	481.5	508.2	513.6
12.5°	341.3	346.7	350.9	358.4	370.2	390.5	452.6	554.2	601.3	614.1
15°	326.3	332.7	339.2	346.7	359.5	398.0	508.2	684.7	762.8	772.5
17.5°	311.3	318.8	327.4	336.0	352.0	416.2	595.9	865.6	974.7	996.1
20°	294.2	303.9	315.6	326.3	344.5	445.1	717.9	1080.6	1217.6	1263.6
22.5°	276.0	287.8	301.7	315.6	336.0	480.4	865.6	1311.7	1503.2	1533.2
25°	261.1	272.8	285.7	299.6	322.0	523.2	1044.2	1598.5	1772.8	1801.7
27.5°	247.2	258.9	270.7	283.5	308.1	578.8	1259.3	1903.4	2085.3	2115.2
30°	232.2	246.1	257.8	270.7	295.3	647.3	1507.5	2241.5	2413.7	2441.5
32.5°	219.3	233.2	245.0	257.8	285.7	722.2	1768.6	2541.0	2681.2	2681.2
35°	208.6	223.6	232.2	249.3	278.2	770.3	2015.7	2826.7	2932.6	2928.4
37.5°	196.9	215.1	221.5	233.2	268.5	775.7	2247.9	3128.4	3206.5	3178.7
40°	185.1	204.4	214.0	220.4	257.8	731.8	2502.5	3405.5	3471.9	3435.5
42.5°	174.4	189.4	203.3	210.8	251.4	654.8	2706.9	3701.9	3781.1	3749.0
45°	163.7	176.5	185.1	199.0	255.7	601.3	2882.3	4047.5	4186.6	4163.0
47.5°	153.0	163.7	169.0	190.4	284.6	576.7	2989.3	4582.4	4844.6	4825.3
50°	141.2	154.1	154.1	188.3	327.4	585.2	3082.4	5357.1	5762.6	5756.1
52.5°	129.5	143.4	141.2	204.4	360.6	624.8	3188.3	6040.7	6745.8	6804.7
55°	117.7	130.5	132.7	236.5	379.8	659.1	2778.6	6328.5	7585.7	7792.2
57.5°	104.9	112.3	138.0	261.1	373.4	758.6	1903.4	6381.0	8121.7	8564.7
60°	90.9	97.4	156.2	255.7	353.1	700.8	1198.3	5910.2	8045.8	8607.5
62.5°	79.2	89.9	164.8	225.8	359.5	607.7	763.9	5037.2	7321.4	7962.3
65°	69.5	86.7	149.8	204.4	363.8	411.9	515.7	4097.8	6614.2	7224.1
67.5°	62.1	96.3	123.0	181.9	312.4	289.9	354.1	3184.1	5561.4	6108.1
70°	56.7	98.4	100.6	156.2	241.8	186.2	233.2	2143.0	3833.5	4458.3
72.5°	51.4	72.8	76.0	125.2	156.2	113.4	150.9	1226.1	2794.6	3220.4
75°	49.2	49.2	52.4	81.3	86.7	82.4	97.4	731.8	2003.9	2315.3
77.5°	46.0	37.4	33.2	52.4	47.1	58.8	57.8	325.3	868.8	939.4
80°	36.4	26.7	22.5	33.2	32.1	39.6	34.2	26.7	39.6	38.5
82.5°	22.5	17.1	16.0	20.3	18.2	20.3	16.0	4.3	4.3	4.3
85°	10.7	9.6	8.6	8.6	9.6	8.6	6.4	2.1	1.1	1.1
87.5°	5.3	5.3	4.3	3.2	4.3	4.3	3.2	1.1	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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