

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: P629410

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629410  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)  
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-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

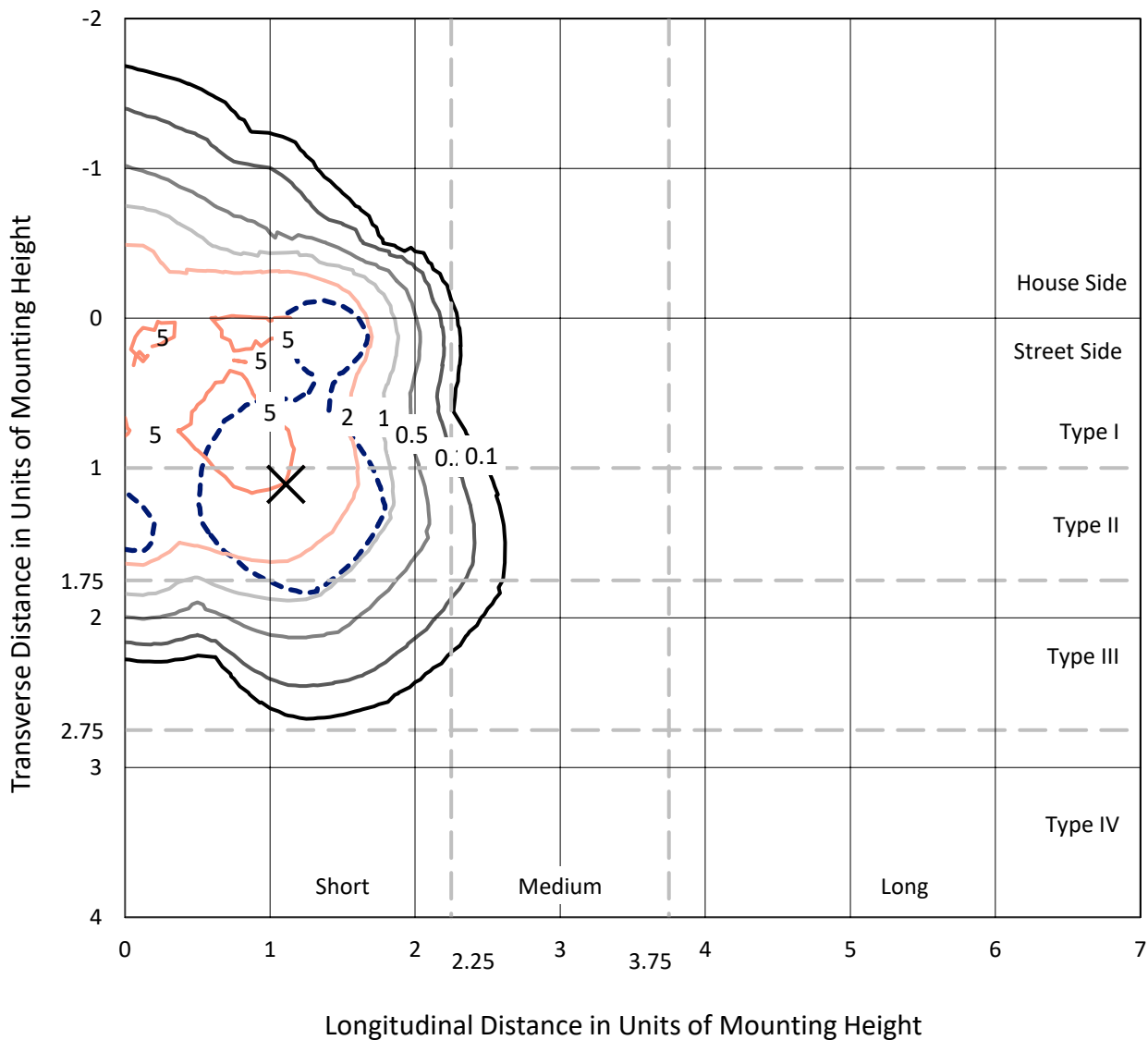
Lumens per Lamp: N/A  
Luminaire Lumens: 1955.9 lumens  
Efficiency: N/A  
Efficacy: 78.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

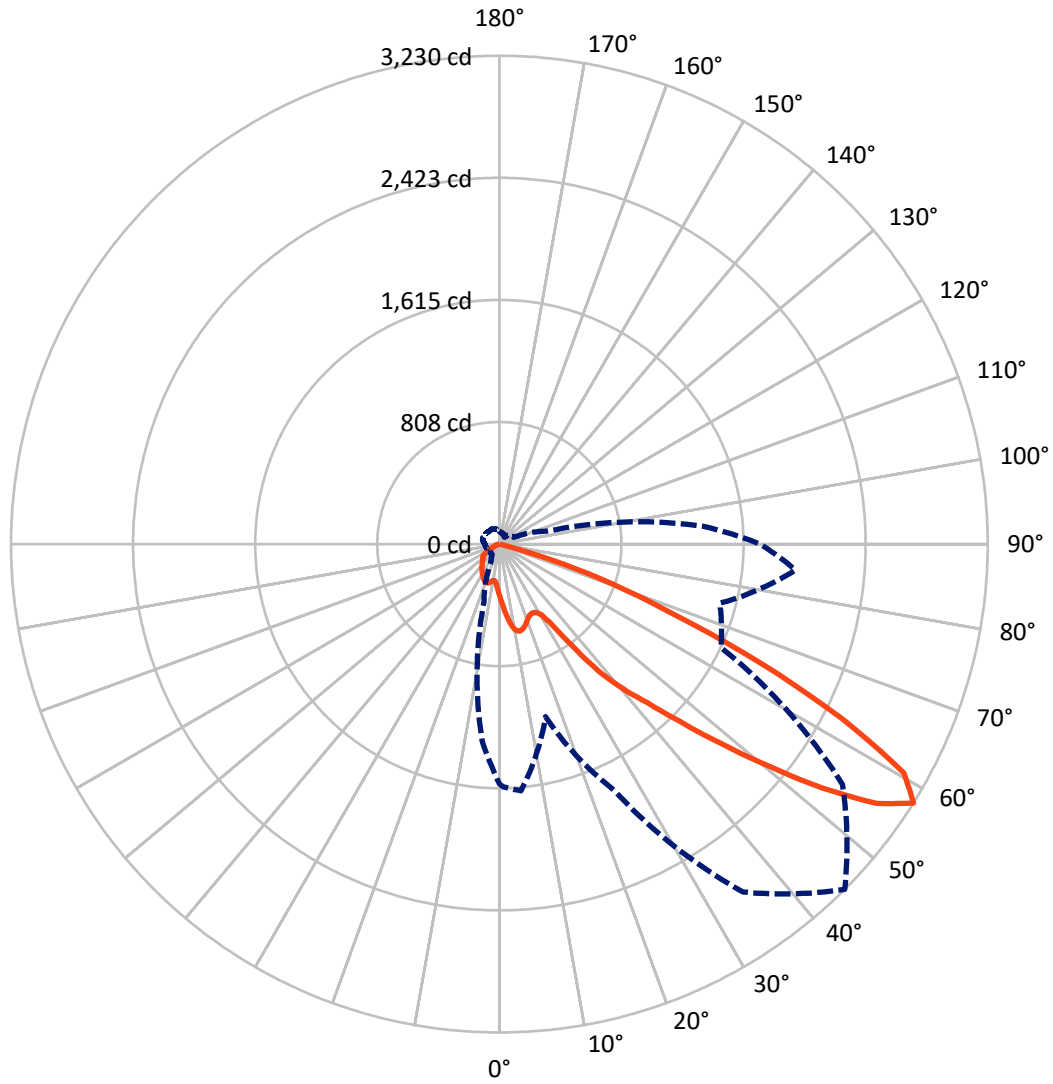
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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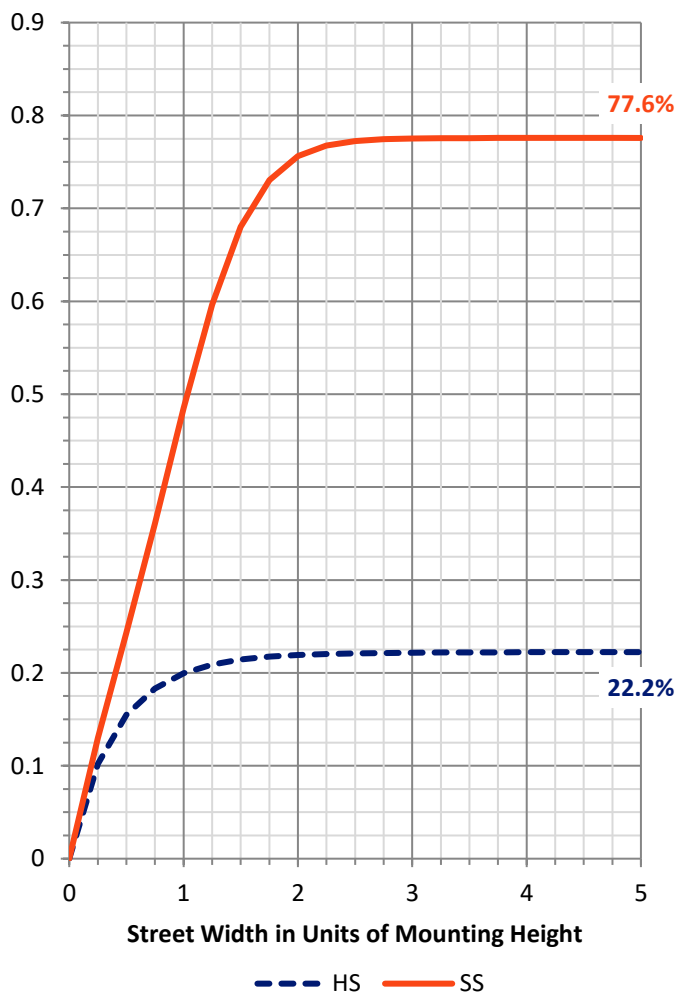
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	438.0	0.0	438.0
	% Fixture	22.4	0.0	22.4
<b>Street Side</b>	Lumens	1517.9	0.0	1517.9
	% Fixture	77.6	0.0	77.6
<b>Total</b>	Lumens	1955.9	0.0	1955.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.8	1.7
10°-20°	109.4	5.6
20°-30°	177.7	9.1
30°-40°	274.6	14.0
40°-50°	440.3	22.5
50°-60°	601.8	30.8
60°-70°	291.5	14.9
70°-80°	26.7	1.4
80°-90°	0.1	0.0
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°	1955.9	100.0
0°-180°	1955.9	100.0

**Coefficient of Utilization**

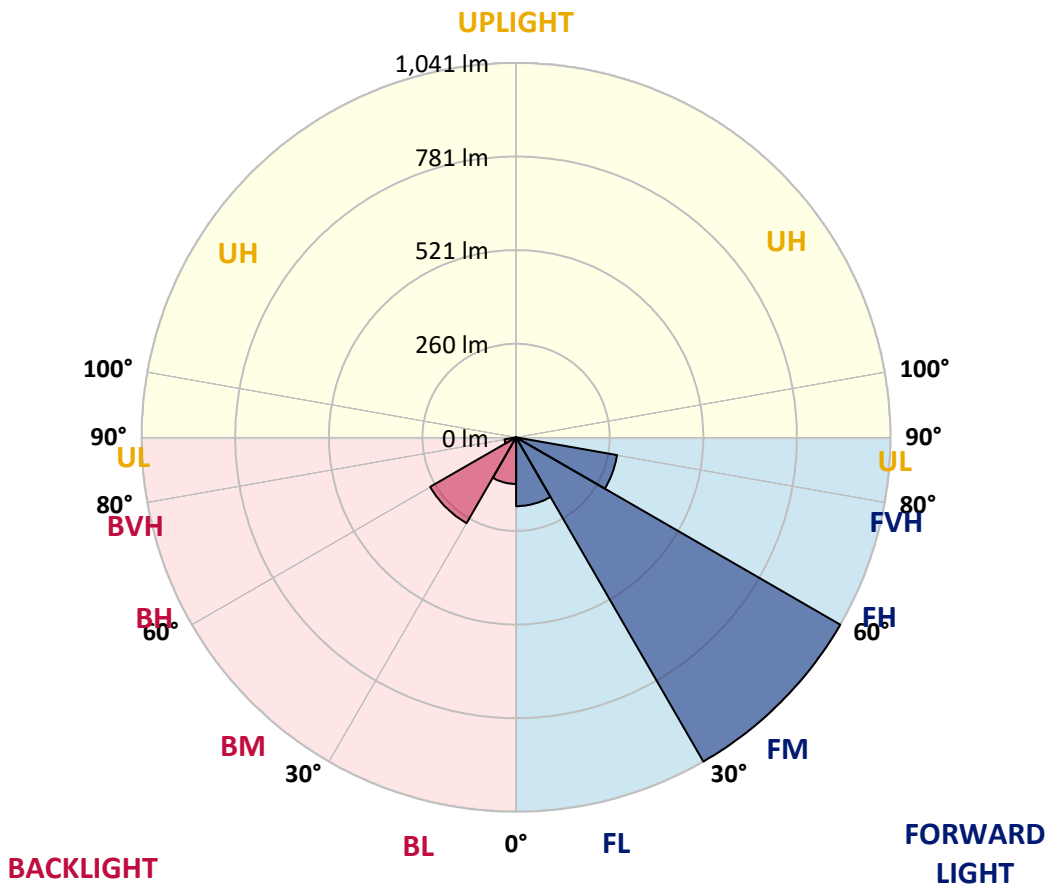


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	191.3	9.8			
FM (30°-60°)	1041.2	53.2			
FH (60°-80°)	285.3	14.6			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	129.6	6.6	B1/500		
BM (30°-60°)	275.6	14.1	B1/1000		
BH (60°-80°)	32.8	1.7	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	343.8	343.8	343.8	343.8	343.8	343.8	343.8	343.8	343.8	343.8	343.8
2.5°	372.4	374.8	378.7	387.1	394.2	399.0	401.1	400.5	397.6	395.5	391.3
5°	412.4	412.4	420.0	439.2	453.9	463.1	467.8	464.9	459.1	450.0	435.8
7.5°	447.3	448.6	461.5	488.8	511.2	524.3	532.0	530.4	520.1	502.5	474.1
10°	474.7	476.2	493.3	526.7	553.0	566.4	577.7	578.7	567.4	544.0	511.5
12.5°	501.2	502.8	520.6	552.7	575.8	581.4	591.3	595.3	592.4	575.8	541.9
15°	529.8	533.5	548.8	572.7	582.4	575.8	582.4	589.5	599.2	597.7	567.2
17.5°	558.0	560.6	576.1	584.5	573.7	556.7	559.8	568.2	590.3	611.8	592.1
20°	584.0	587.7	600.5	589.5	556.9	530.4	530.6	541.7	575.3	620.5	617.6
22.5°	611.3	616.8	626.0	595.0	541.4	509.6	510.9	520.9	563.5	628.7	646.5
25°	647.1	652.3	658.4	608.7	536.4	499.4	504.4	513.6	563.5	642.6	682.3
27.5°	695.4	699.1	699.4	634.2	545.1	500.9	511.5	522.0	580.3	670.5	730.1
30°	756.1	761.9	754.3	673.9	572.2	522.0	537.5	550.6	616.6	717.5	800.6
32.5°	830.0	838.1	827.9	732.7	628.7	594.5	622.6	630.2	674.4	785.6	880.5
35°	916.7	923.6	912.5	814.2	760.6	766.9	817.9	808.2	790.6	869.4	973.8
37.5°	1011.9	1018.2	996.9	937.7	955.6	983.0	1064.4	1031.0	974.3	977.4	1074.9
40°	1099.1	1106.0	1072.6	1072.0	1108.8	1158.8	1257.1	1211.1	1133.8	1118.8	1169.8
42.5°	1189.5	1194.3	1164.0	1143.5	1227.1	1329.9	1434.0	1371.9	1239.5	1223.2	1288.6
45°	1318.6	1328.6	1274.7	1178.8	1333.6	1526.7	1671.8	1550.6	1311.5	1298.3	1470.5
47.5°	1508.3	1515.7	1405.8	1200.8	1432.6	1771.9	1969.1	1782.5	1374.8	1344.9	1719.1
50°	1665.2	1670.2	1526.5	1225.0	1538.0	2036.3	2307.8	2057.4	1446.0	1421.9	1951.2
52.5°	1780.9	1799.8	1684.9	1274.7	1676.5	2347.3	2682.9	2383.0	1557.2	1570.6	2143.6
55°	1804.8	1830.6	1793.2	1305.2	1798.5	2664.0	3029.3	2674.5	1668.1	1683.4	2208.2
57.5°	1586.1	1606.6	1637.6	1182.2	1795.6	2809.0	3230.3	2771.2	1617.7	1509.6	1966.2
60°	1188.2	1202.4	1258.7	903.6	1651.3	2680.8	3073.7	2606.7	1414.5	1151.9	1498.1
62.5°	704.6	710.9	782.2	585.3	1370.6	2308.6	2549.1	2249.2	1117.8	774.8	917.5
65°	270.4	267.8	322.2	288.8	1007.9	1839.0	1896.0	1714.6	766.9	355.1	349.8
67.5°	41.8	39.9	53.9	85.4	727.0	1274.4	1251.0	1235.8	480.4	82.8	72.3
70°	9.5	9.5	11.6	25.2	444.2	748.8	801.3	764.0	307.5	17.6	9.5
72.5°	4.5	4.5	5.5	10.8	160.8	308.6	359.5	354.0	99.9	5.8	3.4
75°	1.6	1.8	1.8	2.4	9.7	16.0	36.8	26.3	6.3	0.0	0.0
77.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.3	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



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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	343.8	343.8	343.8	343.8	343.8	343.8	343.8	343.8	343.8	343.8	343.8
2.5°	382.1	380.3	373.5	364.3	355.3	347.4	339.3	329.6	322.5	314.3	311.7
5°	424.7	413.2	394.5	375.0	357.2	341.9	327.2	311.4	299.9	288.3	284.4
7.5°	460.7	443.6	413.4	384.2	359.8	338.3	317.0	295.4	278.6	264.9	260.7
10°	493.1	473.3	432.9	396.9	366.1	341.1	315.4	288.3	266.5	250.2	246.3
12.5°	520.9	498.0	449.4	406.3	368.7	340.1	315.1	293.6	273.9	255.2	250.2
15°	544.3	519.1	463.4	412.6	364.8	326.9	305.1	301.7	300.1	279.6	269.9
17.5°	567.2	538.8	474.7	415.5	353.8	303.8	288.1	303.6	320.1	306.7	294.4
20°	591.1	558.8	486.2	416.0	335.4	277.8	275.2	299.6	320.6	316.4	304.9
22.5°	619.2	583.7	500.7	415.8	312.2	255.7	265.7	292.0	309.1	308.8	299.6
25°	659.9	615.3	520.1	417.4	287.0	238.6	255.2	279.1	293.0	292.5	284.9
27.5°	703.6	652.8	545.4	421.3	265.4	228.7	242.8	261.5	273.6	273.1	266.5
30°	764.8	696.2	569.5	421.6	249.9	223.4	229.2	242.1	253.6	252.3	247.3
32.5°	839.2	745.1	589.8	406.6	240.2	218.4	215.0	221.6	230.5	228.7	227.3
35°	929.1	803.2	607.1	373.7	225.2	208.4	199.2	200.5	206.8	207.9	207.4
37.5°	1031.6	872.3	628.7	330.4	205.0	194.0	181.6	180.6	184.2	187.7	190.3
40°	1132.8	950.1	657.8	286.5	186.6	175.6	163.7	161.1	162.7	168.7	174.3
42.5°	1246.6	1040.2	689.4	248.9	174.0	155.3	144.0	139.0	143.5	153.2	159.8
45°	1410.6	1166.7	720.1	218.9	168.7	137.5	122.2	121.7	126.7	139.3	146.7
47.5°	1640.8	1330.1	740.4	195.5	168.5	123.5	105.4	108.5	114.3	126.7	135.1
50°	1865.2	1534.9	718.0	177.7	162.9	114.3	92.8	99.1	104.9	115.6	124.3
52.5°	2000.6	1645.0	631.0	160.8	145.9	110.1	80.4	91.5	92.5	102.2	111.4
55°	1986.4	1573.8	483.3	134.8	120.6	104.1	67.5	82.5	83.1	90.4	98.3
57.5°	1724.1	1351.2	331.9	109.3	90.7	85.9	55.7	69.6	74.6	79.1	84.9
60°	1284.9	985.8	148.0	88.8	57.6	58.1	47.6	52.6	60.2	65.4	70.4
62.5°	757.2	567.2	60.2	53.4	31.8	36.5	38.4	38.4	43.1	47.0	50.2
65°	286.2	198.4	24.4	26.8	16.6	17.1	22.6	27.9	31.5	35.0	39.2
67.5°	50.2	34.7	12.6	10.0	9.7	8.7	11.6	18.1	20.2	22.9	24.7
70°	8.4	7.1	5.3	5.0	4.5	4.7	7.6	12.9	14.2	15.0	15.8
72.5°	2.4	2.1	1.6	1.3	1.1	1.3	4.7	10.0	10.5	11.0	11.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	7.1	7.6	7.9	8.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.1	2.6	2.1
80°	0.0	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





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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	343.8	343.8	343.8	343.8	343.8	343.8	343.8	343.8	343.8	343.8	343.8
2.5°	310.1	304.9	302.0	300.4	300.4	298.3	295.9	295.1	298.6	298.6	304.3
5°	279.4	275.2	270.4	267.6	263.1	263.9	261.2	261.0	264.4	266.0	272.0
7.5°	258.1	252.8	249.9	248.1	245.7	244.7	242.3	241.5	243.4	246.0	251.8
10°	243.9	243.1	242.8	244.2	244.2	242.8	240.7	239.4	240.0	244.9	251.5
12.5°	247.6	249.2	249.7	251.8	252.8	251.8	250.2	250.7	254.1	263.3	273.1
15°	263.6	262.3	261.8	262.8	263.6	262.6	262.0	266.0	277.8	290.9	302.0
17.5°	280.7	272.3	268.6	268.6	269.1	268.6	269.1	276.8	295.9	309.1	317.2
20°	289.4	273.9	268.1	266.8	267.8	268.1	269.9	278.6	299.6	308.8	310.7
22.5°	286.7	267.3	260.7	259.7	260.7	261.8	263.6	271.0	290.7	295.4	294.6
25°	273.6	254.4	249.2	249.2	251.5	251.3	252.0	257.3	273.6	276.5	275.2
27.5°	257.0	238.9	234.4	237.1	239.2	238.6	238.9	243.4	255.5	256.3	254.9
30°	240.2	224.4	220.2	223.4	226.3	225.8	226.0	230.5	238.1	237.3	235.5
32.5°	223.1	211.6	208.4	210.3	214.7	214.2	215.3	220.0	222.9	219.5	217.4
35°	207.4	201.3	199.0	200.0	203.4	204.2	206.1	209.2	209.2	205.0	201.3
37.5°	192.6	191.9	190.3	189.0	192.1	194.5	197.1	200.8	195.5	189.5	186.1
40°	179.0	182.4	180.3	176.9	178.7	182.1	187.4	190.3	184.0	177.9	172.1
42.5°	166.4	172.1	171.4	167.2	168.7	171.9	177.9	180.3	172.9	166.1	160.6
45°	154.3	162.4	162.9	157.7	159.3	162.4	169.5	170.3	160.8	153.5	149.5
47.5°	143.8	152.7	153.0	149.0	149.5	154.0	160.6	160.8	150.1	143.2	138.2
50°	133.8	144.0	144.8	141.4	141.9	147.2	152.7	151.6	140.1	133.0	128.5
52.5°	121.7	135.6	137.5	135.9	138.0	142.2	145.6	141.9	128.5	121.4	117.5
55°	108.5	126.7	130.6	129.6	131.9	135.4	136.1	133.8	117.0	109.9	106.2
57.5°	93.3	104.3	111.2	109.1	110.9	114.3	116.7	114.9	102.2	96.7	93.6
60°	77.3	84.6	86.2	82.8	81.2	87.3	92.8	90.4	79.6	76.2	72.5
62.5°	56.5	64.9	66.0	61.5	59.7	66.2	71.0	68.6	56.8	53.1	50.2
65°	45.2	53.1	55.2	51.0	49.9	54.9	57.8	52.0	43.6	39.7	36.5
67.5°	29.7	36.0	41.5	41.3	39.2	40.7	38.6	33.9	27.9	25.8	23.7
70°	18.4	22.1	25.5	26.8	26.5	26.0	23.1	19.7	17.9	17.1	16.0
72.5°	14.2	17.9	20.5	21.3	21.6	20.8	18.4	15.2	13.4	12.4	11.6
75°	10.5	13.4	15.5	16.6	17.1	16.6	14.2	12.1	10.3	9.5	8.7
77.5°	3.7	4.5	5.5	6.0	5.8	5.5	5.0	5.0	3.9	3.7	3.2
80°	0.0	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: P629410

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

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	343.8	343.8	343.8	343.8	343.8	343.8	343.8	343.8	343.8	343.8
2.5°	310.9	315.6	324.3	332.2	340.6	349.3	358.8	368.5	372.9	372.4
5°	281.2	291.5	305.7	321.2	338.5	357.2	377.9	399.2	408.4	412.4
7.5°	262.6	277.0	295.7	315.4	338.3	364.8	396.1	429.5	442.9	447.3
10°	264.9	281.7	297.3	316.4	340.9	375.3	414.2	453.9	469.7	474.7
12.5°	284.1	287.8	292.0	307.8	338.5	383.2	430.8	478.1	496.2	501.2
15°	301.5	284.4	276.5	290.9	330.1	388.7	447.6	504.1	524.1	529.8
17.5°	302.2	276.5	258.9	270.2	316.4	391.1	464.1	530.6	552.5	558.0
20°	292.5	267.8	245.2	245.5	297.8	390.6	477.8	554.6	579.0	584.0
22.5°	278.3	257.6	234.2	226.0	277.8	389.5	492.8	580.0	606.6	611.3
25°	262.6	244.4	223.7	211.3	257.8	390.6	513.8	613.4	642.6	647.1
27.5°	245.5	230.0	215.5	205.5	241.0	394.5	539.0	656.0	690.7	695.4
30°	227.6	216.0	210.3	204.2	230.5	395.5	566.4	705.7	749.6	756.1
32.5°	210.0	203.7	203.9	205.0	220.5	388.2	591.3	760.9	819.5	830.0
35°	193.7	191.9	197.1	202.4	206.1	369.3	613.2	826.0	905.9	916.7
37.5°	179.8	181.3	187.9	193.2	190.3	342.5	642.1	907.5	1002.7	1011.9
40°	166.4	170.3	177.9	180.3	178.2	311.2	676.8	986.1	1086.5	1099.1
42.5°	154.0	156.9	167.7	168.2	174.8	279.4	710.1	1070.7	1183.0	1189.5
45°	144.0	143.5	154.5	158.0	179.2	244.2	742.7	1183.5	1309.1	1318.6
47.5°	134.3	133.8	136.4	151.9	181.1	211.6	775.1	1348.5	1492.0	1508.3
50°	125.1	125.9	117.7	149.0	171.1	186.6	789.8	1501.2	1658.4	1665.2
52.5°	117.0	114.1	99.9	139.6	149.8	162.9	748.0	1570.6	1761.4	1780.9
55°	105.4	89.4	82.3	113.3	118.3	142.2	612.6	1530.4	1770.4	1804.8
57.5°	90.1	70.2	69.9	83.6	83.6	131.9	392.4	1307.5	1525.7	1586.1
60°	69.4	54.4	57.8	58.1	53.6	96.2	220.2	947.2	1128.0	1188.2
62.5°	49.4	41.5	43.6	34.7	30.8	48.1	105.7	545.4	696.2	704.6
65°	33.1	28.1	22.9	19.2	18.9	20.5	43.6	197.1	239.7	270.4
67.5°	21.8	17.1	12.1	12.1	13.7	13.7	16.6	32.6	45.7	41.8
70°	14.2	11.8	7.6	7.4	8.9	8.9	8.4	8.9	9.5	9.5
72.5°	10.5	8.9	4.5	3.9	5.0	5.3	4.7	4.5	4.5	4.5
75°	7.9	6.3	2.6	1.8	2.4	3.2	2.6	1.8	1.8	1.6
77.5°	3.2	2.4	1.1	0.8	1.3	1.8	1.6	0.8	0.5	0.5
80°	0.3	0.5	0.5	0.5	0.8	1.1	1.3	0.5	0.3	0.3
82.5°	0.0	0.3	0.3	0.3	0.5	0.8	1.1	0.5	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.5	0.8	0.5	0.3	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.3	0.8	0.5	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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