

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: P634360

Luminaire Tested: GWS-SA3B-750-U-SLR-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634360  
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-SA3B-750-U-SLR-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

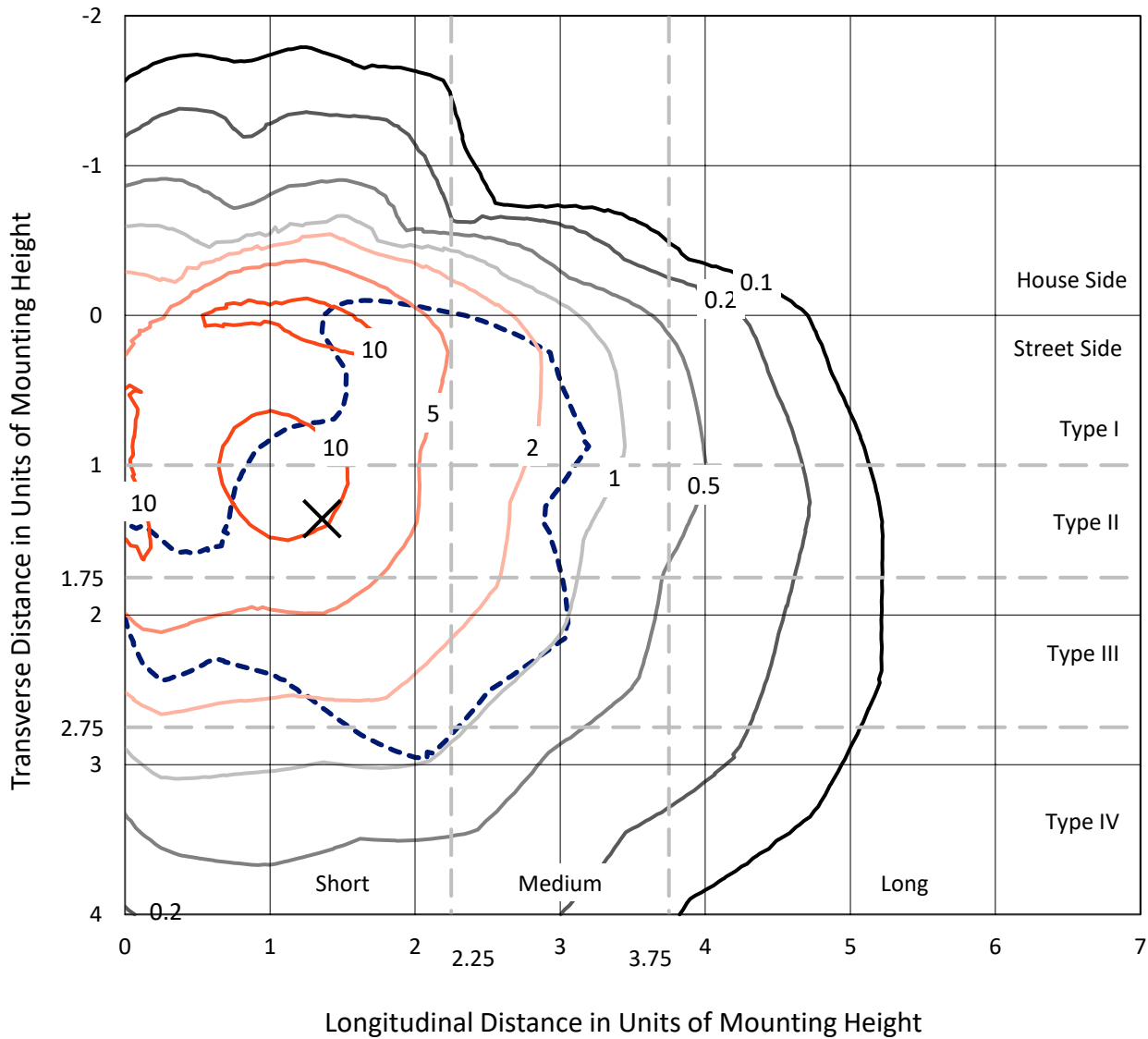
Lumens per Lamp: N/A  
Luminaire Lumens: 6603 lumens  
Efficiency: N/A  
Efficacy: 96.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

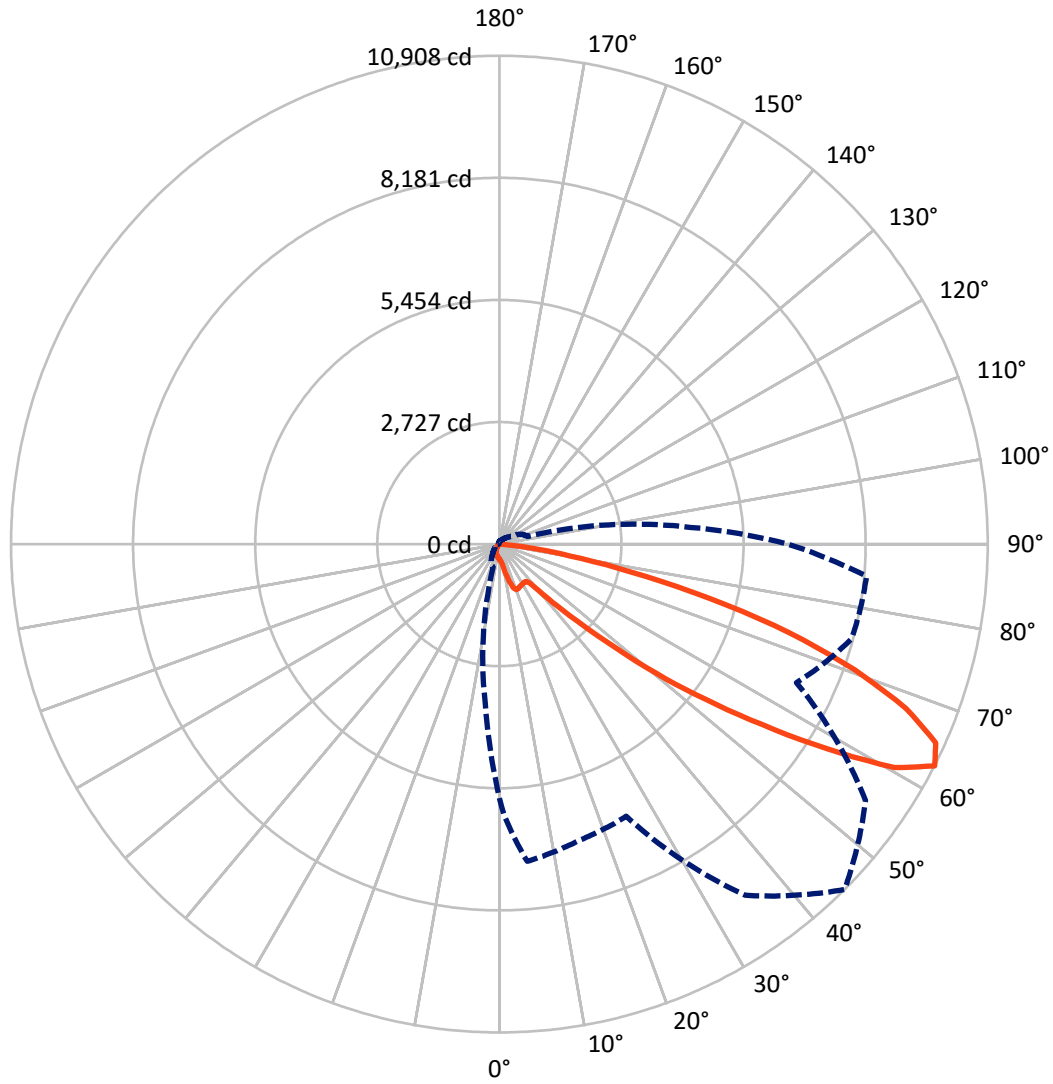
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.4 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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

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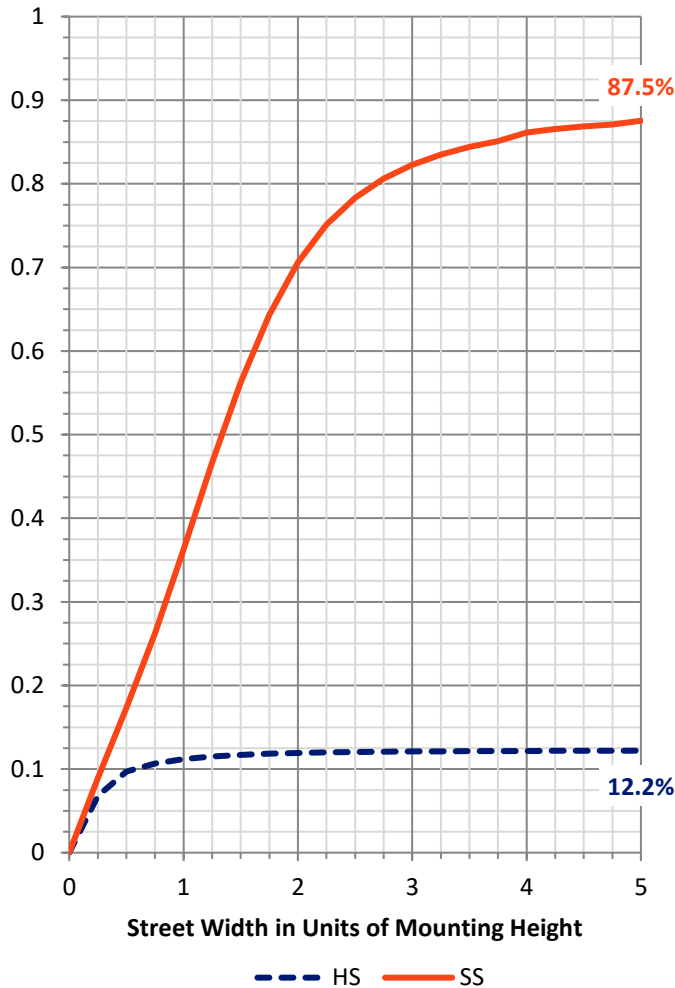
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	814.8	0.0	814.8
	% Fixture	12.3	0.0	12.3
<b>Street Side</b>	Lumens	5788.2	0.0	5788.2
	% Fixture	87.7	0.0	87.7
<b>Total</b>	Lumens	6603.0	0.0	6603.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.4	0.5
10°-20°	115.1	1.7
20°-30°	250.3	3.8
30°-40°	410.7	6.2
40°-50°	755.1	11.4
50°-60°	1621.6	24.6
60°-70°	2178.1	33.0
70°-80°	1134.1	17.2
80°-90°	107.5	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°	6603.0	100.0
0°-180°	6603.0	100.0

**Coefficient of Utilization**

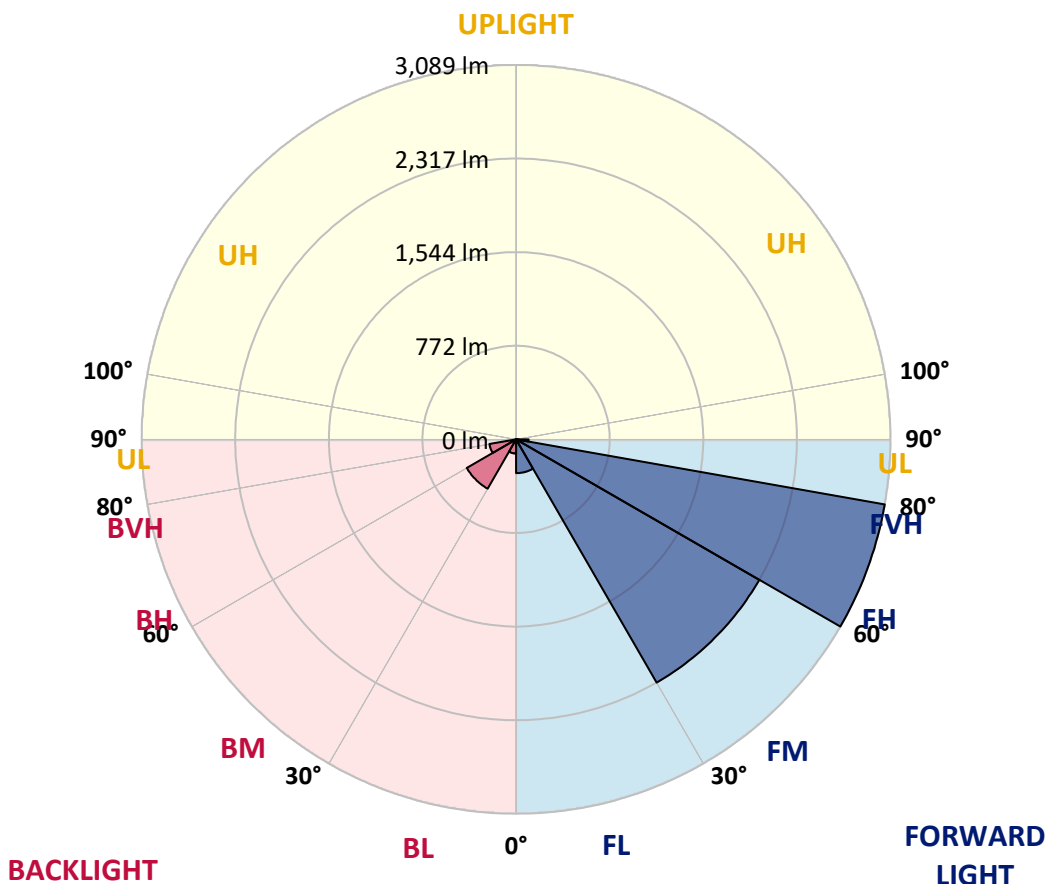


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	278.9	4.2			
FM (30°-60°)	2317.6	35.1			
FH (60°-80°)	3088.9	46.8			G2/5000
FVH (80°-90°)	102.7	1.6			G2/225
BL (0°-30°)	116.9	1.8	B1/500		
BM (30°-60°)	469.9	7.1	B1/1000		
BH (60°-80°)	223.3	3.4	B1/500		G1/500
BVH (80°-90°)	4.8	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 Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	343.2	343.2	343.2	343.2	343.2	343.2	343.2	343.2	343.2	343.2	343.2
2.5°	350.1	351.6	353.1	358.5	362.3	365.3	366.1	363.8	358.5	353.1	345.5
5°	339.4	340.9	346.3	360.8	375.3	386.7	390.5	388.2	375.3	358.5	340.9
7.5°	338.6	341.7	354.7	385.2	416.4	440.1	446.2	440.8	416.4	382.9	347.0
10°	366.1	371.4	390.5	445.4	502.6	544.6	561.4	538.5	499.6	438.6	379.8
12.5°	437.8	446.9	483.6	563.6	652.1	707.8	730.7	702.5	641.4	553.0	459.9
15°	550.7	564.4	619.3	739.1	843.6	893.1	900.8	884.7	813.8	716.2	591.1
17.5°	710.1	729.9	815.3	937.4	1012.9	1030.4	1028.1	1011.3	959.5	892.4	774.1
20°	900.8	924.4	1008.3	1109.0	1116.6	1096.0	1084.6	1074.7	1057.1	1045.7	953.4
22.5°	1093.0	1121.9	1209.7	1234.8	1166.2	1106.7	1078.5	1086.1	1112.0	1168.5	1131.1
25°	1284.4	1311.9	1394.2	1326.3	1189.1	1089.9	1054.1	1072.4	1134.1	1256.2	1304.2
27.5°	1507.9	1528.5	1577.3	1388.9	1192.9	1076.2	1041.1	1069.3	1144.8	1311.1	1494.1
30°	1740.5	1752.7	1729.1	1405.7	1179.9	1055.6	1028.1	1069.3	1163.1	1347.7	1636.8
32.5°	1911.3	1913.6	1836.6	1407.2	1173.0	1038.8	1015.9	1064.7	1180.7	1378.2	1774.8
35°	2087.5	2076.1	1939.6	1430.1	1191.3	1044.9	1025.1	1077.7	1208.1	1414.1	1896.1
37.5°	2266.0	2245.4	2054.7	1467.4	1238.6	1111.3	1099.1	1144.1	1252.4	1463.6	2029.6
40°	2449.0	2420.8	2174.5	1523.9	1343.9	1337.0	1379.0	1373.6	1373.6	1526.9	2166.8
42.5°	2672.5	2639.7	2351.4	1683.3	1589.5	1742.8	1857.2	1786.3	1655.1	1672.6	2345.3
45°	2967.7	2939.5	2658.0	1988.4	1974.6	2327.0	2481.1	2340.7	2014.3	2009.0	2643.5
47.5°	3439.8	3434.5	3146.9	2342.3	2446.0	3070.7	3368.1	3098.1	2423.9	2365.2	3207.9
50°	4103.4	4087.3	3756.3	2757.2	3006.6	3992.0	4522.8	4072.9	2918.9	2780.8	3963.8
52.5°	4850.8	4867.6	4609.8	3210.2	3602.3	5017.1	5756.1	5189.5	3456.6	3309.4	4914.9
55°	5554.8	5650.9	5583.0	3740.3	4184.2	6148.9	7110.7	6414.4	4122.4	4001.2	5981.1
57.5°	6105.5	6376.2	6852.2	4510.6	4868.4	7473.0	8623.2	7742.2	4899.6	5124.6	7432.6
60°	6136.0	6494.4	7599.6	6122.2	5748.5	8608.7	10133.3	9039.6	6121.5	7032.2	8569.8
62.5°	5676.1	6060.5	7113.0	6854.4	6707.2	9575.0	10908.2	9985.3	7323.5	8149.5	8232.7
65°	5149.8	5538.0	6570.0	6023.9	6595.9	9533.8	10711.4	10007.5	7432.6	7389.9	7629.4
67.5°	4354.3	4702.8	5637.2	5332.1	6079.5	9073.9	9802.3	9376.7	6847.6	6911.6	7018.4
70°	3178.2	3513.8	4381.0	4396.2	5309.2	8244.9	8422.6	8363.8	6306.1	6373.9	6068.9
72.5°	2295.7	2578.7	3326.9	3605.3	4238.4	6913.9	6791.1	7017.7	5410.6	5676.8	4874.5
75°	1650.5	1862.5	2440.7	3136.2	3359.7	5134.5	4861.5	5435.0	4341.3	4888.2	3664.8
77.5°	669.7	744.4	960.2	2112.7	2208.0	3454.3	2976.1	3947.8	3095.1	3211.8	1776.3
80°	27.5	30.5	39.7	1090.7	1514.0	1943.4	1592.5	2110.4	2044.1	1293.5	419.5
82.5°	3.1	3.1	6.9	314.2	662.8	1072.4	750.5	1215.8	1035.0	548.4	190.7
85°	0.8	0.8	1.5	35.8	155.6	171.6	101.4	373.0	481.3	224.2	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	6.9	7.6	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	343.2	343.2	343.2	343.2	343.2	343.2	343.2	343.2	343.2	343.2	343.2
2.5°	345.5	341.7	337.1	332.5	330.3	324.2	321.9	320.3	318.8	319.6	319.6
5°	334.1	325.7	315.8	305.8	300.5	294.4	291.4	289.8	290.6	293.6	293.6
7.5°	332.5	316.5	295.2	282.2	276.1	271.5	268.5	266.9	267.7	271.5	273.0
10°	357.7	329.5	291.4	269.2	262.4	257.8	254.7	252.5	250.9	254.0	254.7
12.5°	411.9	373.0	309.7	267.7	255.5	249.4	247.1	242.5	240.3	241.8	242.5
15°	524.0	456.9	346.3	273.8	249.4	242.5	238.7	234.9	231.1	230.3	231.1
17.5°	670.4	574.3	401.9	288.3	244.8	236.4	231.1	225.8	220.4	219.7	218.9
20°	851.9	718.5	479.7	311.2	241.0	231.1	223.5	215.8	209.0	206.7	206.7
22.5°	1017.5	892.4	579.7	339.4	235.7	223.5	214.3	205.2	197.5	193.7	193.0
25°	1219.6	1076.9	699.4	372.2	228.0	213.6	203.6	194.5	186.9	182.3	180.8
27.5°	1423.2	1271.4	835.2	414.9	218.9	203.6	194.5	186.1	177.7	172.4	170.8
30°	1620.8	1481.2	987.7	468.3	212.0	193.7	186.1	177.7	170.1	161.7	159.4
32.5°	1832.8	1695.5	1158.6	527.8	206.7	186.9	178.5	170.8	160.9	153.3	149.5
35°	2037.2	1916.7	1346.9	585.8	201.4	180.8	171.6	164.0	153.3	144.9	139.6
37.5°	2243.1	2141.7	1543.7	620.8	193.7	172.4	164.0	157.9	145.7	135.8	129.7
40°	2461.3	2374.3	1756.5	606.4	186.9	163.2	158.6	151.8	138.0	126.6	119.0
42.5°	2700.7	2596.3	1973.1	550.7	180.8	155.6	151.0	144.2	131.2	117.5	107.5
45°	3002.0	2839.6	2150.8	466.8	183.8	148.0	138.8	137.3	125.1	107.5	95.3
47.5°	3519.9	3213.3	2288.9	412.6	204.4	139.6	128.9	132.7	119.7	97.6	83.9
50°	4312.3	3832.6	2417.8	408.8	235.7	135.8	119.7	129.7	114.4	87.7	74.0
52.5°	5067.4	4461.8	2500.2	442.4	263.1	145.7	110.6	125.8	110.6	80.8	67.1
55°	5789.7	4824.9	2352.9	466.8	289.1	175.4	103.7	119.7	106.0	77.0	64.8
57.5°	6568.4	4986.6	1852.6	516.4	307.4	200.6	105.3	110.6	99.9	74.7	64.1
60°	6801.1	4779.9	1118.1	581.2	297.5	208.2	116.7	98.4	91.5	70.2	61.8
62.5°	6439.5	4289.5	659.7	529.3	289.1	196.8	133.5	90.8	83.1	64.1	57.2
65°	5898.8	3623.6	430.2	446.9	306.6	175.4	141.9	86.9	75.5	58.0	50.3
67.5°	5281.0	2918.9	301.3	263.9	283.0	157.9	119.7	86.2	67.9	48.8	41.2
70°	4448.1	2185.9	212.0	174.7	235.7	140.3	93.1	83.9	59.5	39.7	32.0
72.5°	3436.8	1368.3	157.9	112.9	167.8	114.4	74.0	70.9	48.1	32.8	24.4
75°	2534.5	780.2	111.4	81.6	110.6	86.9	54.9	50.3	41.2	31.3	22.1
77.5°	1323.3	390.5	69.4	62.5	63.3	54.2	39.7	36.6	38.1	31.3	20.6
80°	254.0	77.8	41.9	45.8	34.3	34.3	29.0	30.5	33.6	25.2	17.5
82.5°	106.0	16.8	22.9	25.9	21.4	23.6	23.6	24.4	23.6	18.3	13.0
85°	0.0	0.0	9.9	10.7	14.5	14.5	12.2	12.2	12.2	10.7	7.6
87.5°	0.0	0.0	0.0	0.0	0.8	2.3	4.6	5.3	6.1	4.6	3.1
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°	343.2	343.2	343.2	343.2	343.2	343.2	343.2	343.2	343.2	343.2	343.2
2.5°	318.8	317.3	319.6	321.1	322.6	322.6	321.1	319.6	317.3	319.6	317.3
5°	294.4	296.7	300.5	302.0	303.6	300.5	299.0	294.4	290.6	291.4	289.8
7.5°	275.3	277.6	282.2	285.3	285.3	283.7	279.2	274.6	268.5	268.5	267.7
10°	257.8	260.8	266.2	270.0	271.5	270.0	265.4	259.3	254.0	254.0	251.7
12.5°	243.3	247.1	253.2	258.6	260.1	258.6	254.0	247.9	241.8	241.8	240.3
15°	231.1	235.7	242.5	248.6	250.9	248.6	243.3	235.7	229.6	230.3	228.0
17.5°	219.7	223.5	232.6	239.5	241.8	239.5	232.6	222.7	216.6	218.1	216.6
20°	206.7	211.3	220.4	228.0	230.3	228.0	220.4	209.7	203.6	203.6	204.4
22.5°	193.0	197.5	206.7	212.0	215.1	212.8	205.2	195.3	189.2	189.2	189.9
25°	180.8	183.0	189.9	195.3	196.0	193.7	187.6	180.0	175.4	177.7	178.5
27.5°	169.3	169.3	172.4	175.4	174.7	172.4	170.1	164.0	163.2	165.5	167.8
30°	157.1	153.3	151.8	149.5	148.7	148.0	150.3	150.3	151.8	154.8	157.1
32.5°	146.4	138.8	131.9	125.1	121.3	124.3	130.4	135.8	141.1	145.7	148.0
35°	134.2	122.0	110.6	101.4	95.3	99.9	109.8	119.7	128.9	135.0	138.8
37.5°	122.0	104.5	90.8	79.3	74.7	78.6	89.2	103.0	116.7	124.3	129.7
40°	109.1	86.9	70.9	61.8	57.2	61.0	71.7	85.4	103.7	113.6	120.5
42.5°	96.1	71.7	57.2	48.1	45.8	48.1	56.4	70.2	90.0	102.2	111.4
45°	83.1	59.5	45.8	38.9	36.6	38.9	45.8	57.2	77.0	90.8	101.4
47.5°	71.7	50.3	38.1	32.0	30.5	32.8	38.1	48.1	64.8	78.6	90.8
50°	62.5	44.2	32.8	27.5	25.9	28.2	32.8	40.4	54.9	67.1	80.1
52.5°	56.4	41.2	29.0	23.6	22.9	24.4	28.2	34.3	46.5	57.2	69.4
55°	54.9	41.2	26.7	21.4	20.6	22.1	25.2	29.7	40.4	49.6	60.3
57.5°	56.4	44.2	25.2	18.3	17.5	19.1	22.1	25.9	35.1	42.7	52.6
60°	56.4	45.0	22.1	14.5	13.7	15.3	18.3	22.9	31.3	37.4	45.8
62.5°	51.1	41.2	18.3	11.4	9.9	11.4	15.3	19.1	27.5	33.6	40.4
65°	44.2	35.1	15.3	8.4	6.9	8.4	12.2	16.0	23.6	29.0	36.6
67.5°	35.8	26.7	11.4	6.1	4.6	6.1	9.2	13.0	19.8	25.2	32.8
70°	26.7	19.1	9.2	5.3	4.6	5.3	8.4	12.2	17.5	22.9	30.5
72.5°	19.8	13.0	7.6	5.3	3.8	5.3	7.6	11.4	16.8	22.1	29.0
75°	16.8	10.7	6.9	4.6	3.8	4.6	6.9	10.7	15.3	20.6	27.5
77.5°	16.0	9.9	6.1	3.8	3.1	3.8	6.1	9.2	13.7	19.1	26.7
80°	13.7	8.4	5.3	3.1	2.3	3.1	5.3	7.6	10.7	14.5	20.6
82.5°	10.7	6.9	3.8	1.5	0.8	1.5	3.8	4.6	6.9	8.4	12.2
85°	6.9	3.8	1.5	0.0	0.0	0.0	1.5	3.1	3.1	3.8	6.1
87.5°	3.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.3
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: P634360  
 CATALOG NUMBER: GWS-SA3B-750-U-SLR-W-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	343.2	343.2	343.2	343.2	343.2	343.2	343.2	343.2	343.2	343.2
2.5°	321.9	322.6	324.2	326.4	331.8	336.4	340.9	347.0	350.1	350.1
5°	291.4	292.1	292.9	295.9	303.6	309.7	319.6	331.8	337.9	339.4
7.5°	267.7	269.2	270.8	273.0	280.7	289.1	302.0	324.9	336.4	338.6
10°	254.0	256.3	259.3	263.9	270.8	279.9	302.0	343.2	362.3	366.1
12.5°	243.3	247.1	250.2	255.5	263.9	278.4	322.6	395.1	428.6	437.8
15°	232.6	237.2	241.8	247.1	256.3	283.7	362.3	488.1	543.8	550.7
17.5°	221.9	227.3	233.4	239.5	250.9	296.7	424.8	617.0	694.8	710.1
20°	209.7	216.6	225.0	232.6	245.6	317.3	511.8	770.3	868.0	900.8
22.5°	196.8	205.2	215.1	225.0	239.5	342.5	617.0	935.1	1071.6	1093.0
25°	186.1	194.5	203.6	213.6	229.6	373.0	744.4	1139.5	1263.8	1284.4
27.5°	176.2	184.6	193.0	202.1	219.7	412.6	897.7	1356.9	1486.5	1507.9
30°	165.5	175.4	183.8	193.0	210.5	461.4	1074.7	1597.9	1720.7	1740.5
32.5°	156.4	166.3	174.7	183.8	203.6	514.8	1260.8	1811.4	1911.3	1911.3
35°	148.7	159.4	165.5	177.7	198.3	549.1	1436.9	2015.1	2090.6	2087.5
37.5°	140.3	153.3	157.9	166.3	191.4	553.0	1602.4	2230.2	2285.8	2266.0
40°	131.9	145.7	152.5	157.1	183.8	521.7	1784.0	2427.7	2475.0	2449.0
42.5°	124.3	135.0	144.9	150.3	179.2	466.8	1929.6	2639.0	2695.4	2672.5
45°	116.7	125.8	131.9	141.9	182.3	428.6	2054.7	2885.3	2984.5	2967.7
47.5°	109.1	116.7	120.5	135.8	202.9	411.1	2131.0	3266.7	3453.5	3439.8
50°	100.7	109.8	109.8	134.2	233.4	417.2	2197.4	3818.9	4107.9	4103.4
52.5°	92.3	102.2	100.7	145.7	257.0	445.4	2272.9	4306.2	4808.9	4850.8
55°	83.9	93.1	94.6	168.6	270.8	469.8	1980.7	4511.4	5407.6	5554.8
57.5°	74.7	80.1	98.4	186.1	266.2	540.8	1356.9	4548.8	5789.7	6105.5
60°	64.8	69.4	111.4	182.3	251.7	499.6	854.2	4213.2	5735.6	6136.0
62.5°	56.4	64.1	117.5	160.9	256.3	433.2	544.6	3590.8	5219.2	5676.1
65°	49.6	61.8	106.8	145.7	259.3	293.6	367.6	2921.2	4715.0	5149.8
67.5°	44.2	68.6	87.7	129.7	222.7	206.7	252.5	2269.8	3964.5	4354.3
70°	40.4	70.2	71.7	111.4	172.4	132.7	166.3	1527.7	2732.8	3178.2
72.5°	36.6	51.9	54.2	89.2	111.4	80.8	107.5	874.1	1992.2	2295.7
75°	35.1	35.1	37.4	58.0	61.8	58.7	69.4	521.7	1428.5	1650.5
77.5°	32.8	26.7	23.6	37.4	33.6	41.9	41.2	231.9	619.3	669.7
80°	25.9	19.1	16.0	23.6	22.9	28.2	24.4	19.1	28.2	27.5
82.5°	16.0	12.2	11.4	14.5	13.0	14.5	11.4	3.1	3.1	3.1
85°	7.6	6.9	6.1	6.1	6.9	6.1	4.6	1.5	0.8	0.8
87.5°	3.8	3.8	3.1	2.3	3.1	3.1	2.3	0.8	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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