

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: P631885

Luminaire Tested: GWS-SA2B-750-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631885
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-SA2B-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: 4381 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

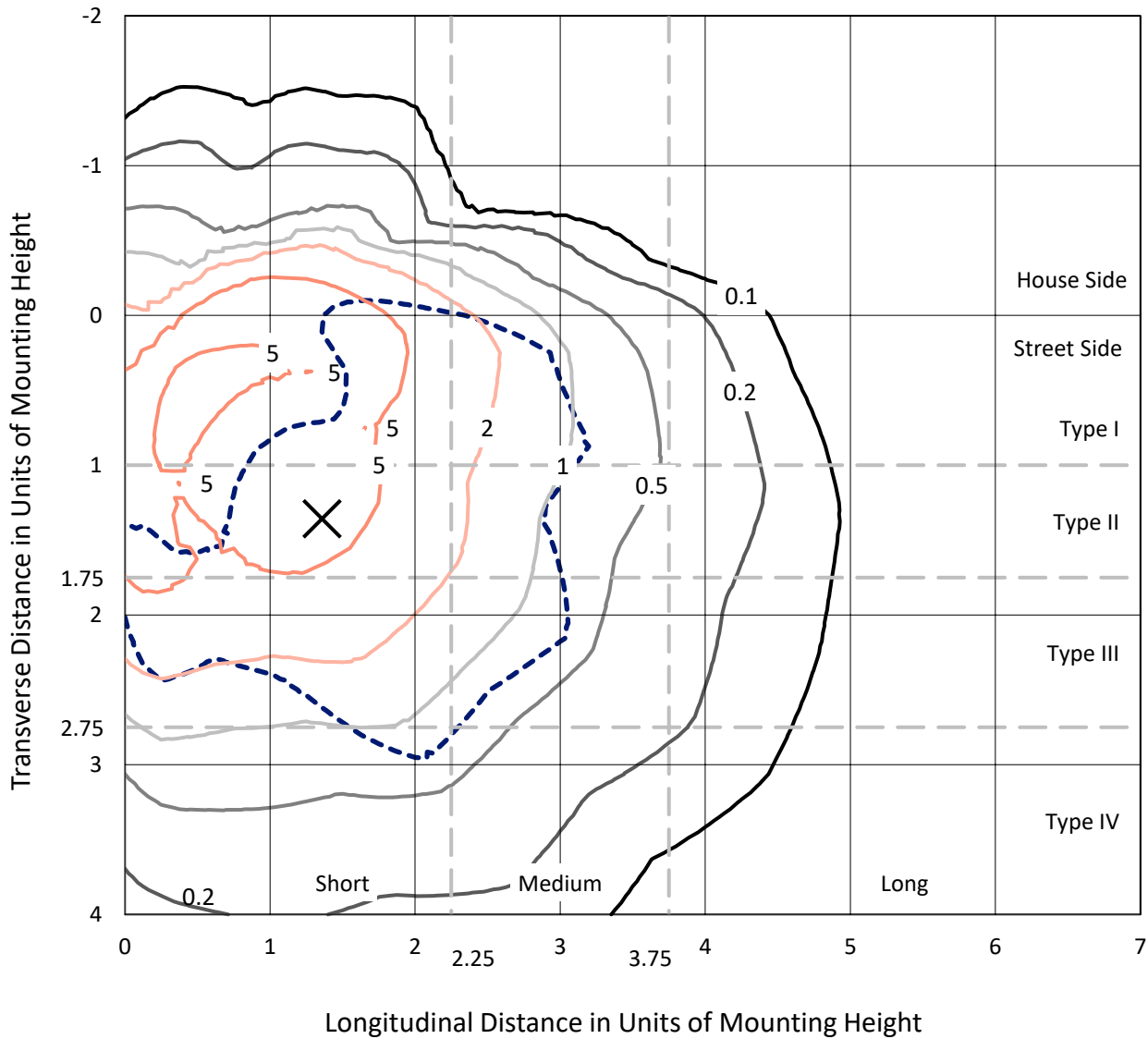
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

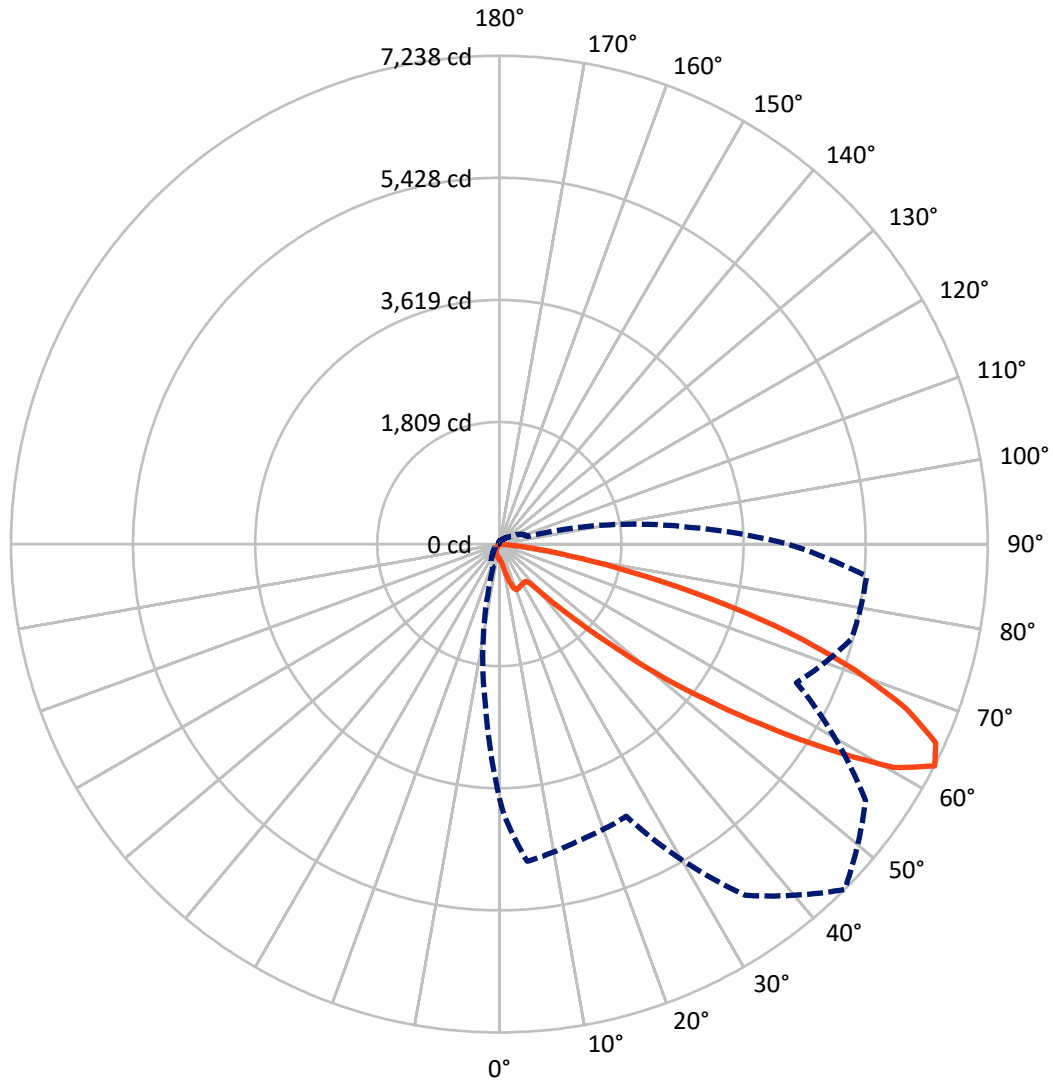
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.9 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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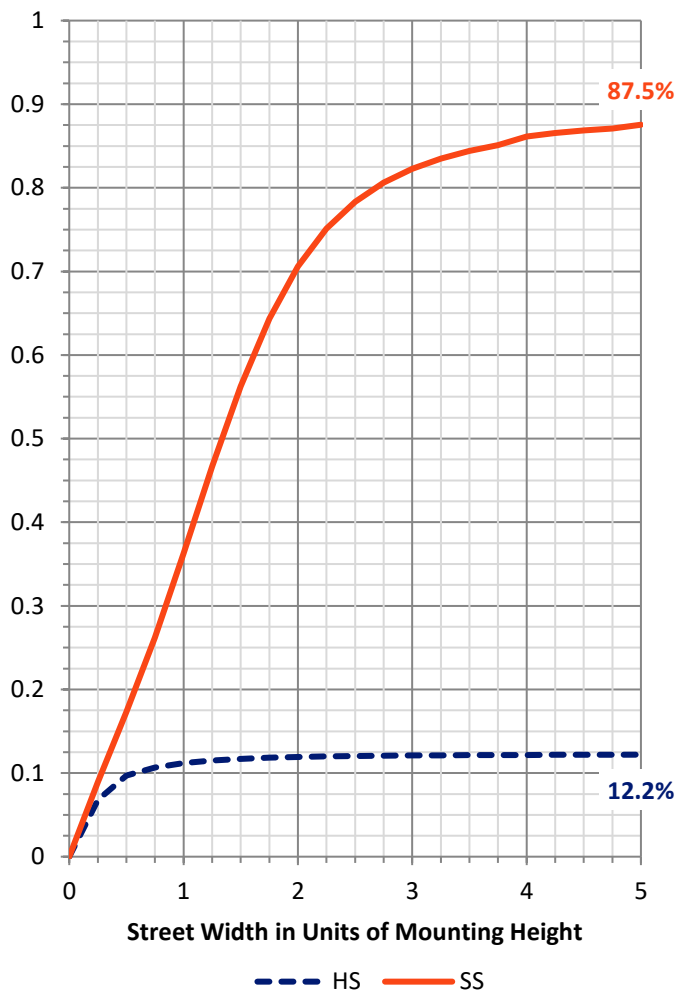
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	540.6	0.0	540.6
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	3840.4	0.0	3840.4
	% Fixture	87.7	0.0	87.7
Total	Lumens	4381.0	0.0	4381.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.2	0.5
10°-20°	76.4	1.7
20°-30°	166.0	3.8
30°-40°	272.5	6.2
40°-50°	501.0	11.4
50°-60°	1075.9	24.6
60°-70°	1445.1	33.0
70°-80°	752.5	17.2
80°-90°	71.3	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°	4381.0	100.0
0°-180°	4381.0	100.0

Coefficient of Utilization

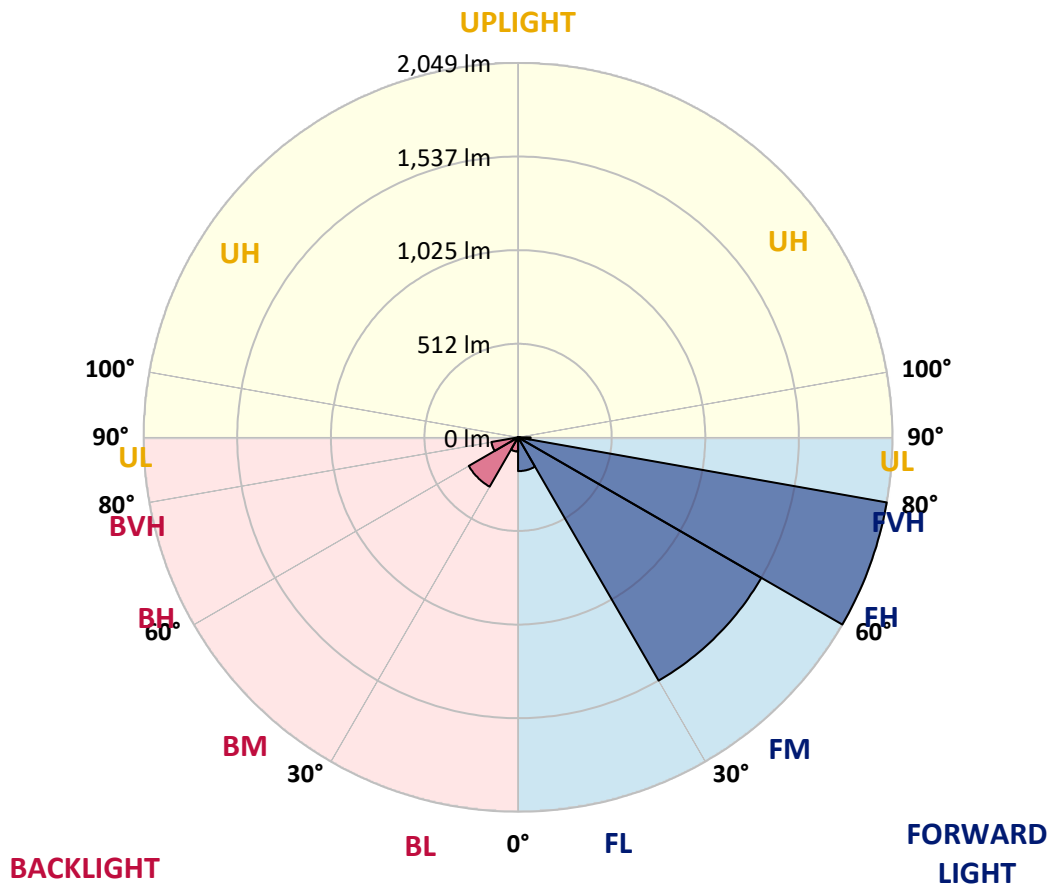


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	185.1	4.2			
FM (30°-60°)	1537.7	35.1			
FH (60°-80°)	2049.5	46.8			G2/5000
FVH (80°-90°)	68.2	1.6			G1/100
BL (0°-30°)	77.5	1.8	B0/110		
BM (30°-60°)	311.8	7.1	B1/1000		
BH (60°-80°)	148.1	3.4	B1/500		G1/500
BVH (80°-90°)	3.2	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°	227.7	227.7	227.7	227.7	227.7	227.7	227.7	227.7	227.7	227.7	227.7
2.5°	232.3	233.3	234.3	237.8	240.4	242.4	242.9	241.4	237.8	234.3	229.2
5°	225.2	226.2	229.7	239.4	249.0	256.6	259.1	257.6	249.0	237.8	226.2
7.5°	224.7	226.7	235.3	255.6	276.3	292.0	296.0	292.5	276.3	254.0	230.3
10°	242.9	246.4	259.1	295.5	333.5	361.3	372.4	357.3	331.5	291.0	252.0
12.5°	290.5	296.5	320.8	374.0	432.7	469.6	484.8	466.1	425.6	366.9	305.1
15°	365.4	374.5	410.9	490.4	559.7	592.6	597.6	587.0	540.0	475.2	392.2
17.5°	471.1	484.3	541.0	621.9	672.0	683.7	682.1	671.0	636.6	592.1	513.6
20°	597.6	613.3	669.0	735.8	740.9	727.2	719.6	713.0	701.4	693.8	632.6
22.5°	725.2	744.4	802.6	819.3	773.7	734.3	715.5	720.6	737.8	775.3	750.5
25°	852.2	870.4	925.1	880.0	788.9	723.1	699.4	711.5	752.5	833.5	865.3
27.5°	1000.5	1014.1	1046.5	921.5	791.5	714.0	690.8	709.5	759.6	869.9	991.3
30°	1154.8	1162.9	1147.2	932.6	782.9	700.4	682.1	709.5	771.7	894.2	1086.0
32.5°	1268.1	1269.7	1218.6	933.7	778.3	689.2	674.1	706.4	783.4	914.4	1177.6
35°	1385.0	1377.5	1286.9	948.8	790.4	693.3	680.1	715.0	801.6	938.2	1258.0
37.5°	1503.5	1489.8	1363.3	973.6	821.8	737.3	729.2	759.1	830.9	971.1	1346.6
40°	1624.9	1606.2	1442.7	1011.1	891.7	887.1	914.9	911.4	911.4	1013.1	1437.7
42.5°	1773.2	1751.4	1560.1	1116.8	1054.6	1156.3	1232.2	1185.2	1098.1	1109.8	1556.1
45°	1969.0	1950.3	1763.6	1319.3	1310.2	1543.9	1646.2	1553.1	1336.5	1332.9	1754.0
47.5°	2282.3	2278.7	2087.9	1554.1	1622.9	2037.3	2234.7	2055.6	1608.2	1569.2	2128.4
50°	2722.5	2711.9	2492.3	1829.4	1994.8	2648.6	3000.8	2702.3	1936.6	1845.0	2629.9
52.5°	3218.4	3229.6	3058.5	2129.9	2390.1	3328.8	3819.1	3443.1	2293.4	2195.7	3261.0
55°	3685.5	3749.3	3704.3	2481.6	2776.2	4079.7	4717.9	4255.8	2735.2	2654.7	3968.4
57.5°	4050.9	4230.5	4546.3	2992.8	3230.1	4958.2	5721.3	5136.9	3250.8	3400.1	4931.4
60°	4071.1	4309.0	5042.2	4062.0	3814.1	5711.7	6723.3	5997.6	4061.5	4665.7	5685.9
62.5°	3766.0	4021.0	4719.4	4547.8	4450.2	6352.9	7237.5	6625.1	4859.0	5407.1	5462.3
65°	3416.8	3674.4	4359.1	3996.7	4376.3	6325.6	7106.9	6639.8	4931.4	4903.1	5062.0
67.5°	2889.0	3120.3	3740.2	3537.8	4033.7	6020.4	6503.7	6221.3	4543.3	4585.8	4656.6
70°	2108.7	2331.3	2906.7	2916.8	3522.6	5470.3	5588.3	5549.3	4184.0	4229.0	4026.6
72.5°	1523.2	1710.9	2207.4	2392.1	2812.1	4587.3	4505.8	4656.1	3589.9	3766.5	3234.1
75°	1095.1	1235.8	1619.3	2080.9	2229.1	3406.7	3225.5	3606.1	2880.4	3243.2	2431.5
77.5°	444.3	493.9	637.1	1401.7	1465.0	2291.9	1974.6	2619.3	2053.5	2131.0	1178.6
80°	18.2	20.2	26.3	723.6	1004.5	1289.4	1056.6	1400.2	1356.2	858.3	278.3
82.5°	2.0	2.0	4.6	208.5	439.8	711.5	497.9	806.6	686.7	363.8	126.5
85°	0.5	0.5	1.0	23.8	103.2	113.9	67.3	247.5	319.3	148.8	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	4.6	5.1	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°	227.7	227.7	227.7	227.7	227.7	227.7	227.7	227.7	227.7	227.7	227.7
2.5°	229.2	226.7	223.7	220.6	219.1	215.1	213.6	212.5	211.5	212.0	212.0
5°	221.6	216.1	209.5	202.9	199.4	195.3	193.3	192.3	192.8	194.8	194.8
7.5°	220.6	210.0	195.8	187.2	183.2	180.2	178.1	177.1	177.6	180.2	181.2
10°	237.3	218.6	193.3	178.6	174.1	171.0	169.0	167.5	166.5	168.5	169.0
12.5°	273.3	247.5	205.5	177.6	169.5	165.5	164.0	160.9	159.4	160.4	160.9
15°	347.7	303.1	229.7	181.7	165.5	160.9	158.4	155.9	153.3	152.8	153.3
17.5°	444.8	381.1	266.7	191.3	162.4	156.9	153.3	149.8	146.2	145.7	145.2
20°	565.3	476.7	318.3	206.5	159.9	153.3	148.3	143.2	138.7	137.1	137.1
22.5°	675.1	592.1	384.6	225.2	156.4	148.3	142.2	136.1	131.1	128.5	128.0
25°	809.2	714.5	464.0	247.0	151.3	141.7	135.1	129.0	124.0	120.9	119.9
27.5°	944.3	843.6	554.1	275.3	145.2	135.1	129.0	123.5	117.9	114.4	113.4
30°	1075.3	982.7	655.3	310.7	140.7	128.5	123.5	117.9	112.8	107.3	105.8
32.5°	1216.0	1124.9	768.7	350.2	137.1	124.0	118.4	113.4	106.8	101.7	99.2
35°	1351.6	1271.7	893.7	388.6	133.6	119.9	113.9	108.8	101.7	96.1	92.6
37.5°	1488.3	1421.0	1024.2	411.9	128.5	114.4	108.8	104.8	96.7	90.1	86.0
40°	1633.0	1575.3	1165.4	402.3	124.0	108.3	105.3	100.7	91.6	84.0	78.9
42.5°	1791.9	1722.6	1309.1	365.4	119.9	103.2	100.2	95.6	87.0	77.9	71.4
45°	1991.8	1884.0	1427.0	309.7	122.0	98.2	92.1	91.1	83.0	71.4	63.3
47.5°	2335.4	2132.0	1518.6	273.8	135.6	92.6	85.5	88.1	79.4	64.8	55.7
50°	2861.2	2542.9	1604.2	271.2	156.4	90.1	79.4	86.0	75.9	58.2	49.1
52.5°	3362.2	2960.4	1658.8	293.5	174.6	96.7	73.4	83.5	73.4	53.6	44.5
55°	3841.4	3201.2	1561.1	309.7	191.8	116.4	68.8	79.4	70.3	51.1	43.0
57.5°	4358.1	3308.5	1229.2	342.6	203.9	133.1	69.8	73.4	66.3	49.6	42.5
60°	4512.4	3171.4	741.9	385.6	197.4	138.2	77.4	65.3	60.7	46.6	41.0
62.5°	4272.5	2846.0	437.7	351.2	191.8	130.6	88.6	60.2	55.2	42.5	38.0
65°	3913.8	2404.2	285.4	296.5	203.4	116.4	94.1	57.7	50.1	38.5	33.4
67.5°	3503.9	1936.6	199.9	175.1	187.7	104.8	79.4	57.2	45.0	32.4	27.3
70°	2951.3	1450.3	140.7	115.9	156.4	93.1	61.7	55.7	39.5	26.3	21.3
72.5°	2280.2	907.8	104.8	74.9	111.3	75.9	49.1	47.1	31.9	21.8	16.2
75°	1681.6	517.7	73.9	54.1	73.4	57.7	36.4	33.4	27.3	20.7	14.7
77.5°	878.0	259.1	46.1	41.5	42.0	35.9	26.3	24.3	25.3	20.7	13.7
80°	168.5	51.6	27.8	30.4	22.8	22.8	19.2	20.2	22.3	16.7	11.6
82.5°	70.3	11.1	15.2	17.2	14.2	15.7	15.7	16.2	15.7	12.1	8.6
85°	0.0	0.0	6.6	7.1	9.6	9.6	8.1	8.1	8.1	7.1	5.1
87.5°	0.0	0.0	0.0	0.0	0.5	1.5	3.0	3.5	4.0	3.0	2.0
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°	227.7	227.7	227.7	227.7	227.7	227.7	227.7	227.7	227.7	227.7	227.7
2.5°	211.5	210.5	212.0	213.0	214.1	214.1	213.0	212.0	210.5	212.0	210.5
5°	195.3	196.9	199.4	200.4	201.4	199.4	198.4	195.3	192.8	193.3	192.3
7.5°	182.7	184.2	187.2	189.3	189.3	188.2	185.2	182.2	178.1	178.1	177.6
10°	171.0	173.1	176.6	179.1	180.2	179.1	176.1	172.1	168.5	168.5	167.0
12.5°	161.4	164.0	168.0	171.5	172.6	171.5	168.5	164.5	160.4	160.4	159.4
15°	153.3	156.4	160.9	165.0	166.5	165.0	161.4	156.4	152.3	152.8	151.3
17.5°	145.7	148.3	154.3	158.9	160.4	158.9	154.3	147.8	143.7	144.7	143.7
20°	137.1	140.2	146.2	151.3	152.8	151.3	146.2	139.2	135.1	135.1	135.6
22.5°	128.0	131.1	137.1	140.7	142.7	141.2	136.1	129.5	125.5	125.5	126.0
25°	119.9	121.5	126.0	129.5	130.1	128.5	124.5	119.4	116.4	117.9	118.4
27.5°	112.3	112.3	114.4	116.4	115.9	114.4	112.8	108.8	108.3	109.8	111.3
30°	104.2	101.7	100.7	99.2	98.7	98.2	99.7	99.7	100.7	102.7	104.2
32.5°	97.2	92.1	87.5	83.0	80.5	82.5	86.5	90.1	93.6	96.7	98.2
35°	89.1	81.0	73.4	67.3	63.3	66.3	72.9	79.4	85.5	89.6	92.1
37.5°	81.0	69.3	60.2	52.6	49.6	52.1	59.2	68.3	77.4	82.5	86.0
40°	72.4	57.7	47.1	41.0	38.0	40.5	47.6	56.7	68.8	75.4	80.0
42.5°	63.8	47.6	38.0	31.9	30.4	31.9	37.4	46.6	59.7	67.8	73.9
45°	55.2	39.5	30.4	25.8	24.3	25.8	30.4	38.0	51.1	60.2	67.3
47.5°	47.6	33.4	25.3	21.3	20.2	21.8	25.3	31.9	43.0	52.1	60.2
50°	41.5	29.4	21.8	18.2	17.2	18.7	21.8	26.8	36.4	44.5	53.1
52.5°	37.4	27.3	19.2	15.7	15.2	16.2	18.7	22.8	30.9	38.0	46.1
55°	36.4	27.3	17.7	14.2	13.7	14.7	16.7	19.7	26.8	32.9	40.0
57.5°	37.4	29.4	16.7	12.1	11.6	12.7	14.7	17.2	23.3	28.3	34.9
60°	37.4	29.9	14.7	9.6	9.1	10.1	12.1	15.2	20.7	24.8	30.4
62.5°	33.9	27.3	12.1	7.6	6.6	7.6	10.1	12.7	18.2	22.3	26.8
65°	29.4	23.3	10.1	5.6	4.6	5.6	8.1	10.6	15.7	19.2	24.3
67.5°	23.8	17.7	7.6	4.0	3.0	4.0	6.1	8.6	13.2	16.7	21.8
70°	17.7	12.7	6.1	3.5	3.0	3.5	5.6	8.1	11.6	15.2	20.2
72.5°	13.2	8.6	5.1	3.5	2.5	3.5	5.1	7.6	11.1	14.7	19.2
75°	11.1	7.1	4.6	3.0	2.5	3.0	4.6	7.1	10.1	13.7	18.2
77.5°	10.6	6.6	4.0	2.5	2.0	2.5	4.0	6.1	9.1	12.7	17.7
80°	9.1	5.6	3.5	2.0	1.5	2.0	3.5	5.1	7.1	9.6	13.7
82.5°	7.1	4.6	2.5	1.0	0.5	1.0	2.5	3.0	4.6	5.6	8.1
85°	4.6	2.5	1.0	0.0	0.0	0.0	1.0	2.0	2.0	2.5	4.0
87.5°	2.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5
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-SA2B-750-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	227.7	227.7	227.7	227.7	227.7	227.7	227.7	227.7	227.7	227.7
2.5°	213.6	214.1	215.1	216.6	220.1	223.2	226.2	230.3	232.3	232.3
5°	193.3	193.8	194.3	196.3	201.4	205.5	212.0	220.1	224.2	225.2
7.5°	177.6	178.6	179.6	181.2	186.2	191.8	200.4	215.6	223.2	224.7
10°	168.5	170.0	172.1	175.1	179.6	185.7	200.4	227.7	240.4	242.9
12.5°	161.4	164.0	166.0	169.5	175.1	184.7	214.1	262.1	284.4	290.5
15°	154.3	157.4	160.4	164.0	170.0	188.2	240.4	323.9	360.8	365.4
17.5°	147.3	150.8	154.8	158.9	166.5	196.9	281.9	409.4	461.0	471.1
20°	139.2	143.7	149.3	154.3	162.9	210.5	339.6	511.1	575.9	597.6
22.5°	130.6	136.1	142.7	149.3	158.9	227.2	409.4	620.4	711.0	725.2
25°	123.5	129.0	135.1	141.7	152.3	247.5	493.9	756.0	838.5	852.2
27.5°	116.9	122.5	128.0	134.1	145.7	273.8	595.6	900.3	986.3	1000.5
30°	109.8	116.4	122.0	128.0	139.7	306.2	713.0	1060.2	1141.6	1154.8
32.5°	103.7	110.3	115.9	122.0	135.1	341.6	836.5	1201.9	1268.1	1268.1
35°	98.7	105.8	109.8	117.9	131.6	364.4	953.4	1337.0	1387.1	1385.0
37.5°	93.1	101.7	104.8	110.3	127.0	366.9	1063.2	1479.7	1516.6	1503.5
40°	87.5	96.7	101.2	104.2	122.0	346.1	1183.6	1610.7	1642.1	1624.9
42.5°	82.5	89.6	96.1	99.7	118.9	309.7	1280.3	1750.9	1788.4	1773.2
45°	77.4	83.5	87.5	94.1	120.9	284.4	1363.3	1914.4	1980.2	1969.0
47.5°	72.4	77.4	80.0	90.1	134.6	272.8	1413.9	2167.4	2291.4	2282.3
50°	66.8	72.9	72.9	89.1	154.8	276.8	1457.9	2533.8	2725.6	2722.5
52.5°	61.2	67.8	66.8	96.7	170.5	295.5	1508.0	2857.1	3190.6	3218.4
55°	55.7	61.7	62.7	111.8	179.6	311.7	1314.2	2993.3	3587.9	3685.5
57.5°	49.6	53.1	65.3	123.5	176.6	358.8	900.3	3018.1	3841.4	4050.9
60°	43.0	46.1	73.9	120.9	167.0	331.5	566.8	2795.4	3805.5	4071.1
62.5°	37.4	42.5	77.9	106.8	170.0	287.4	361.3	2382.5	3462.9	3766.0
65°	32.9	41.0	70.8	96.7	172.1	194.8	243.9	1938.2	3128.4	3416.8
67.5°	29.4	45.5	58.2	86.0	147.8	137.1	167.5	1506.0	2630.4	2889.0
70°	26.8	46.6	47.6	73.9	114.4	88.1	110.3	1013.6	1813.2	2108.7
72.5°	24.3	34.4	35.9	59.2	73.9	53.6	71.4	579.9	1321.8	1523.2
75°	23.3	23.3	24.8	38.5	41.0	39.0	46.1	346.1	947.8	1095.1
77.5°	21.8	17.7	15.7	24.8	22.3	27.8	27.3	153.8	410.9	444.3
80°	17.2	12.7	10.6	15.7	15.2	18.7	16.2	12.7	18.7	18.2
82.5°	10.6	8.1	7.6	9.6	8.6	9.6	7.6	2.0	2.0	2.0
85°	5.1	4.6	4.0	4.0	4.6	4.0	3.0	1.0	0.5	0.5
87.5°	2.5	2.5	2.0	1.5	2.0	2.0	1.5	0.5	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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