

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: P629411

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629411
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-43)
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-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2868.4 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

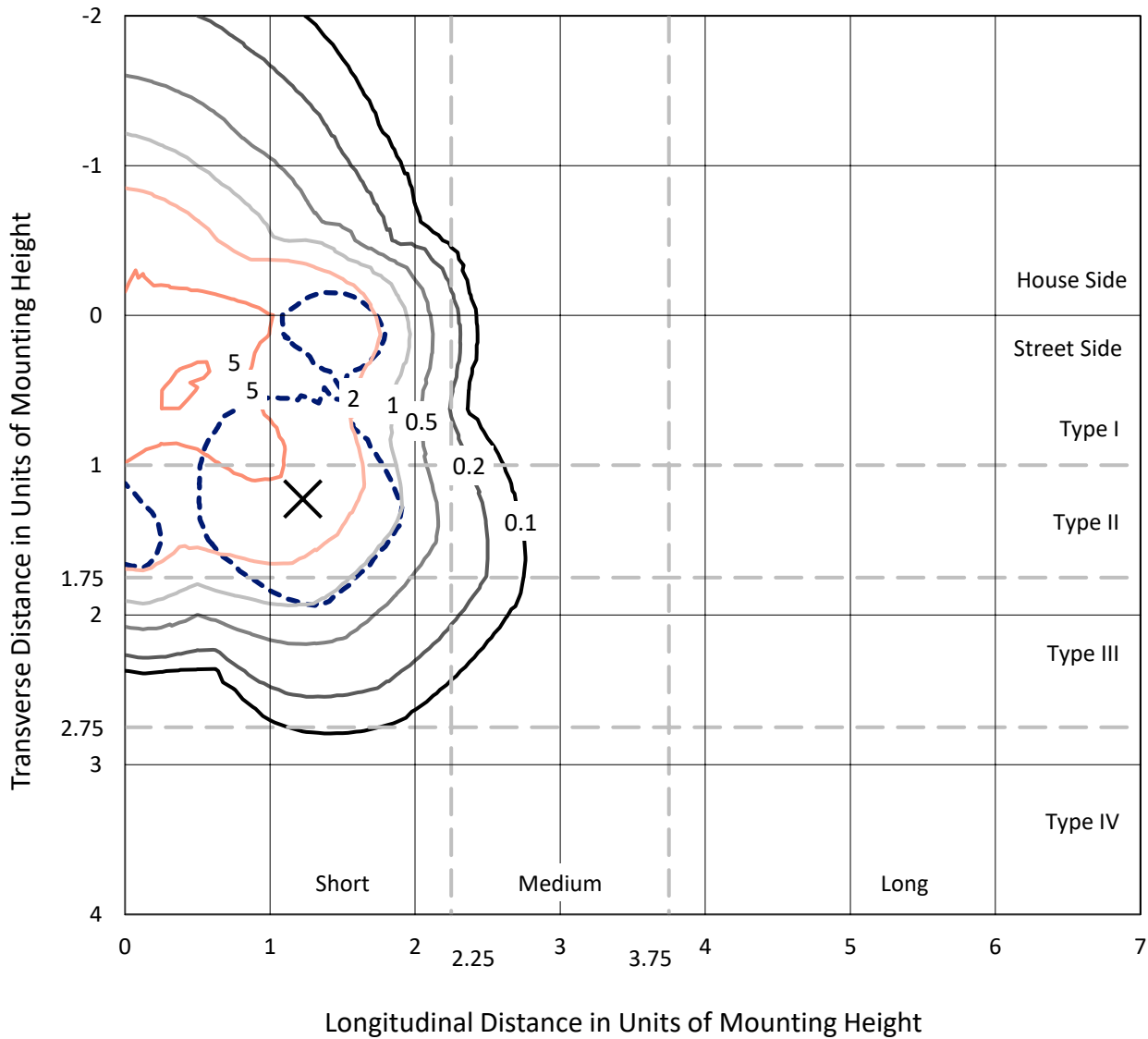
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

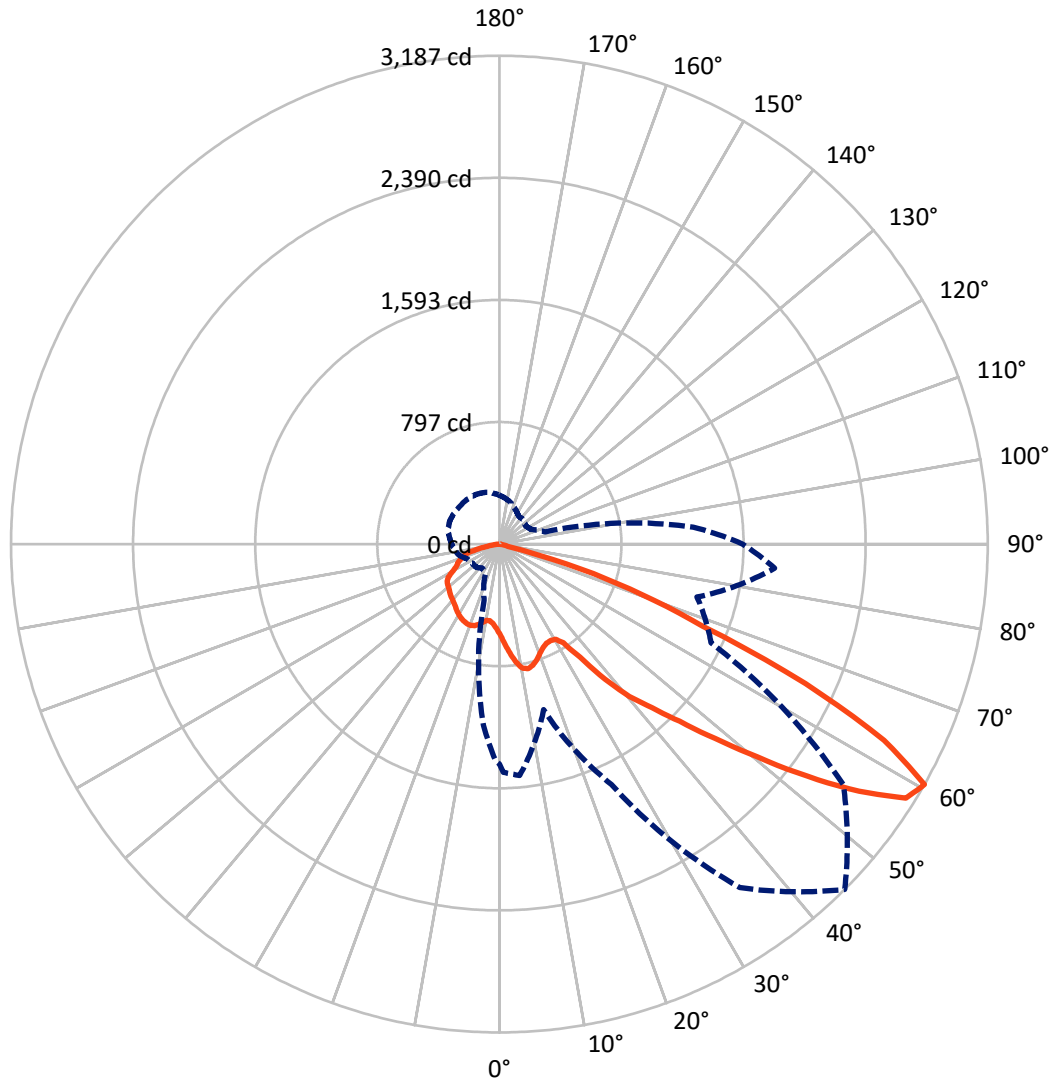
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1005.5	0.0	1005.5
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	1862.9	0.0	1862.9
	% Fixture	64.9	0.0	64.9
Total	Lumens	2868.4	0.0	2868.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.5	2.0
10°-20°	181.7	6.3
20°-30°	295.1	10.3
30°-40°	416.2	14.5
40°-50°	575.2	20.1
50°-60°	740.4	25.8
60°-70°	469.1	16.4
70°-80°	120.4	4.2
80°-90°	12.9	0.4
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°	2868.4	100.0
0°-180°	2868.4	100.0

Coefficient of Utilization



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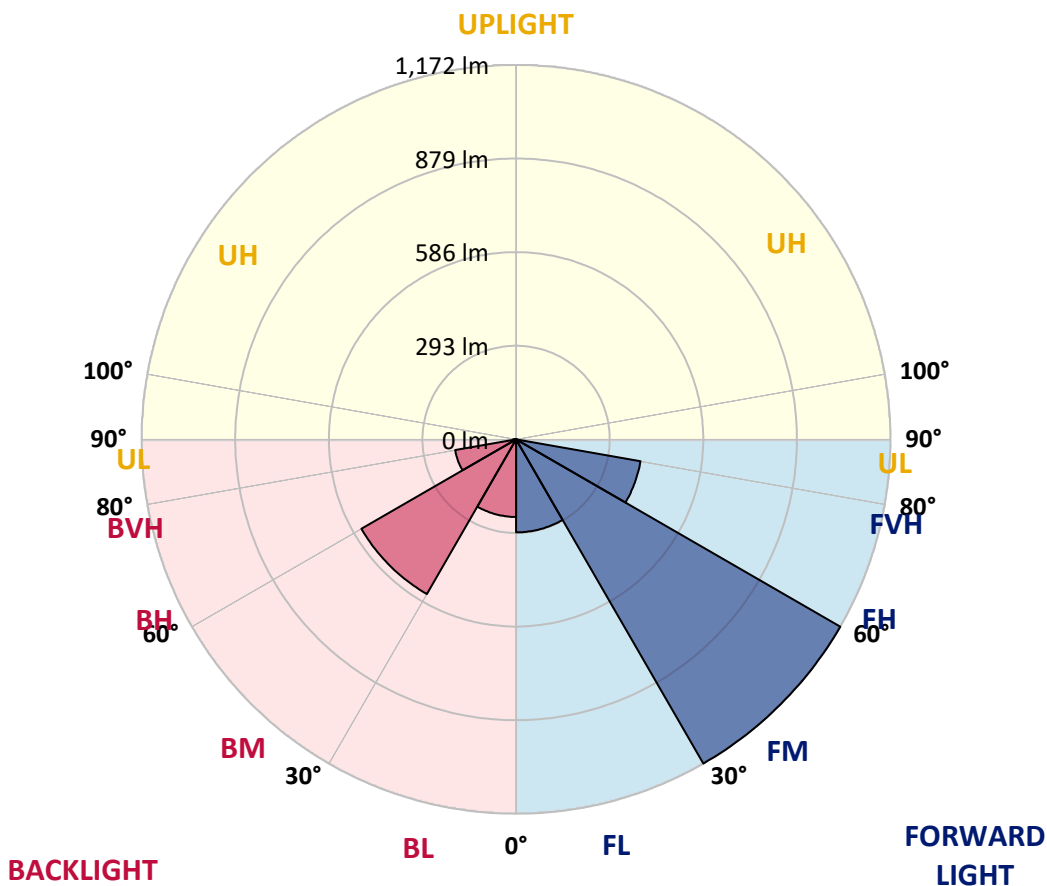
CATALOG NUMBER: GWS-SA1B-750-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	291.3	10.2			
FM (30°-60°)	1172.4	40.9			
FH (60°-80°)	395.7	13.8			G0/660
FVH (80°-90°)	3.5	0.1			G0/10
BL (0°-30°)	243.0	8.5	B1/500		
BM (30°-60°)	559.3	19.5	B1/1000		
BH (60°-80°)	193.8	6.8	B1/500		G1/500
BVH (80°-90°)	9.4	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	589.3	589.3	589.3	589.3	589.3	589.3	589.3	589.3	589.3	589.3	589.3
2.5°	616.3	620.5	623.2	628.2	637.1	642.1	647.6	641.6	643.1	642.3	632.6
5°	652.9	657.9	664.7	679.4	696.0	705.2	713.8	712.5	704.4	690.7	681.0
7.5°	687.0	692.8	704.6	728.6	753.0	767.2	777.7	770.9	764.0	742.5	718.0
10°	713.8	717.2	733.3	765.3	793.7	809.8	822.6	821.1	811.6	787.4	754.6
12.5°	739.1	741.4	758.8	790.8	816.3	823.4	833.9	837.4	834.2	816.1	783.7
15°	766.1	770.6	786.6	811.1	822.6	815.3	819.0	828.4	837.4	837.4	807.7
17.5°	791.4	795.3	811.6	822.1	811.1	791.6	792.7	804.8	826.1	848.4	829.5
20°	813.7	817.4	833.4	823.4	788.5	760.1	759.3	774.0	808.4	855.5	852.9
22.5°	838.1	843.4	856.8	824.5	767.4	731.4	731.2	746.4	792.9	862.6	879.7
25°	872.8	881.0	887.8	833.7	756.1	712.8	716.2	730.7	787.9	874.2	919.4
27.5°	924.4	930.9	930.4	852.9	755.6	705.2	712.3	729.1	796.9	894.7	961.2
30°	980.1	983.5	978.0	879.7	767.7	709.9	720.4	740.4	819.5	928.6	1022.7
32.5°	1041.8	1046.0	1035.5	919.9	795.8	744.8	768.0	777.7	851.3	977.4	1087.8
35°	1112.8	1120.9	1099.1	973.0	878.6	872.3	906.0	893.3	918.8	1035.3	1157.5
37.5°	1187.4	1187.7	1156.4	1051.6	1041.0	1051.8	1119.1	1079.7	1062.1	1099.7	1228.4
40°	1250.8	1249.2	1201.1	1157.5	1182.4	1225.3	1306.5	1246.1	1199.8	1186.1	1287.3
42.5°	1314.1	1308.3	1259.7	1224.8	1280.0	1368.0	1459.7	1385.6	1288.1	1264.7	1345.4
45°	1395.1	1393.2	1334.6	1251.6	1368.0	1527.8	1649.5	1529.4	1340.4	1310.4	1442.1
47.5°	1525.7	1516.8	1407.7	1249.5	1450.5	1740.7	1894.4	1710.5	1376.9	1311.5	1598.2
50°	1653.4	1642.4	1494.9	1249.2	1535.7	1961.5	2183.5	1930.4	1414.3	1317.8	1757.0
52.5°	1782.5	1782.5	1638.2	1278.9	1625.0	2208.0	2517.6	2204.6	1477.9	1400.3	1952.3
55°	1859.2	1879.7	1799.3	1329.1	1729.7	2498.2	2848.0	2500.5	1576.2	1549.4	2132.6
57.5°	1761.7	1800.1	1788.5	1294.1	1791.4	2711.3	3128.1	2725.0	1624.8	1567.0	2105.5
60°	1435.5	1488.9	1515.4	1117.5	1730.4	2736.0	3186.8	2739.7	1524.4	1334.4	1803.5
62.5°	954.3	998.2	1038.7	798.5	1498.1	2461.4	2818.5	2462.1	1273.1	995.8	1249.5
65°	468.1	500.7	544.3	472.0	1170.4	2056.6	2197.5	1989.6	920.9	557.5	637.4
67.5°	122.5	131.7	137.7	183.2	838.4	1477.6	1433.2	1455.3	591.6	182.1	166.6
70°	63.6	64.1	63.9	75.7	566.7	939.1	987.7	913.8	412.9	76.2	65.7
72.5°	45.5	45.7	44.9	51.0	273.6	538.0	557.5	551.4	216.3	45.2	44.9
75°	29.7	30.0	29.4	30.0	41.3	61.2	56.5	59.4	36.0	28.6	28.6
77.5°	17.6	17.9	17.6	18.1	17.6	17.6	16.3	16.3	15.5	15.5	15.8
80°	11.8	11.8	11.6	12.1	11.0	11.0	10.5	10.3	9.5	9.2	9.2
82.5°	7.1	7.4	7.1	7.1	6.6	6.6	6.0	5.8	5.0	5.0	4.7
85°	3.7	3.7	3.4	3.4	2.9	2.6	2.1	2.1	1.6	1.3	1.3
87.5°	0.5	0.5	0.3	0.3	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	589.3	589.3	589.3	589.3	589.3	589.3	589.3	589.3	589.3	589.3	589.3
2.5°	630.0	624.7	616.9	609.2	602.1	594.8	586.4	577.7	570.3	562.7	558.8
5°	668.1	657.3	636.8	618.7	602.4	589.0	574.5	562.2	550.6	541.2	536.4
7.5°	702.5	685.7	654.7	626.0	604.0	585.6	565.6	547.2	531.7	520.1	515.7
10°	734.3	714.4	673.6	637.4	611.6	591.1	566.7	541.7	521.2	505.9	502.3
12.5°	760.1	737.2	688.6	646.5	616.1	594.0	572.4	550.9	530.6	510.9	507.8
15°	783.0	755.9	699.9	652.3	614.5	586.4	568.2	565.6	565.6	543.3	537.0
17.5°	802.7	773.0	709.1	655.0	604.5	563.8	552.7	575.6	601.3	585.3	571.1
20°	825.3	789.3	716.7	655.0	586.1	535.1	534.1	573.0	611.1	611.3	596.3
22.5°	848.1	808.2	725.7	652.6	560.9	502.0	521.4	562.4	596.3	610.8	600.6
25°	885.2	834.5	739.9	650.8	531.4	479.4	510.1	548.5	577.2	592.4	585.8
27.5°	932.2	869.2	761.4	653.6	502.3	466.0	498.1	530.4	556.4	569.8	565.1
30°	984.8	909.1	784.5	658.6	481.2	459.2	483.6	509.6	532.7	546.2	544.0
32.5°	1051.8	952.5	804.5	651.8	469.4	455.7	468.4	487.0	509.4	517.8	519.6
35°	1132.0	1000.3	819.8	625.0	458.6	452.1	451.8	463.4	479.1	492.5	493.8
37.5°	1205.8	1056.3	836.6	579.0	439.2	442.9	432.3	439.2	454.7	468.1	473.3
40°	1278.9	1113.1	860.0	520.4	413.7	422.4	410.0	414.7	427.1	444.7	453.1
42.5°	1349.9	1164.3	884.7	460.5	388.2	393.7	384.5	389.2	402.1	424.2	433.7
45°	1427.1	1233.7	903.9	404.0	366.1	363.7	356.4	363.2	382.7	406.9	418.2
47.5°	1573.3	1343.0	916.5	366.4	354.3	337.2	328.8	343.5	365.6	390.0	403.7
50°	1751.7	1501.3	912.8	342.5	344.0	309.9	307.0	326.4	350.1	375.6	390.6
52.5°	1893.1	1656.6	871.0	319.6	324.1	292.5	284.1	312.5	335.1	361.1	376.6
55°	2001.1	1708.9	742.7	292.5	291.5	279.9	262.3	298.0	320.1	344.3	361.1
57.5°	1913.1	1592.5	550.6	255.2	248.9	254.9	237.9	273.6	301.7	325.6	340.6
60°	1587.7	1269.7	306.7	226.0	208.2	222.9	220.2	247.8	281.7	307.0	319.9
62.5°	1077.8	845.5	181.9	178.7	168.7	189.8	203.7	221.8	255.2	275.7	287.8
65°	537.2	410.8	120.9	133.8	135.1	156.1	182.4	202.4	230.2	251.3	263.4
67.5°	155.9	127.7	92.0	102.2	116.4	133.3	154.3	177.9	205.0	230.0	244.2
70°	67.3	68.1	73.1	85.2	99.1	116.4	137.5	160.6	183.5	202.6	213.4
72.5°	47.6	49.4	54.9	67.3	80.4	97.0	118.0	140.3	156.9	176.4	187.7
75°	30.5	31.8	36.3	45.7	55.5	71.5	91.5	112.0	129.0	143.0	153.8
77.5°	16.8	17.1	20.8	26.3	32.9	43.1	57.8	73.9	86.5	94.4	104.1
80°	9.7	9.7	11.6	15.0	18.9	25.2	33.4	41.3	48.9	53.9	58.6
82.5°	5.3	5.3	6.0	8.1	10.3	13.9	18.7	22.6	27.3	30.0	33.1
85°	1.6	1.6	2.1	2.9	3.7	5.3	7.4	9.5	11.6	13.4	15.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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°	589.3	589.3	589.3	589.3	589.3	589.3	589.3	589.3	589.3	589.3	589.3
2.5°	558.0	554.3	552.2	549.6	550.4	548.0	546.7	547.5	542.7	547.5	552.2
5°	534.6	529.3	525.1	521.7	520.1	517.0	515.1	515.1	512.2	517.0	522.8
7.5°	514.1	509.9	507.8	505.7	503.3	500.4	497.3	496.2	494.4	499.4	504.4
10°	500.4	500.9	502.3	505.1	504.6	502.8	498.1	495.4	495.4	501.2	508.8
12.5°	506.7	512.2	515.4	520.7	521.7	520.1	515.4	513.3	518.6	527.2	539.8
15°	531.2	534.8	537.5	541.7	541.4	540.1	536.4	538.0	555.3	572.2	583.5
17.5°	557.7	553.5	553.0	555.6	556.4	554.8	552.7	559.8	588.5	604.2	610.0
20°	576.9	562.4	559.3	560.3	562.4	561.7	561.7	573.2	602.9	610.3	602.9
22.5°	582.7	562.2	557.5	557.7	560.6	560.9	562.2	574.3	591.6	591.9	580.6
25°	573.5	553.8	550.4	550.9	554.3	554.0	554.6	561.4	569.0	565.9	557.5
27.5°	556.1	539.1	538.0	540.9	545.4	543.0	541.4	543.3	546.9	543.0	535.6
30°	536.4	522.0	522.5	528.0	532.7	528.8	524.9	525.9	526.2	522.0	513.6
32.5°	515.7	504.9	506.7	512.5	518.0	513.8	509.6	509.1	504.1	499.1	491.0
35°	494.9	490.7	493.1	497.8	502.5	499.1	496.5	494.9	484.1	476.8	469.9
37.5°	476.0	479.1	483.3	486.2	487.8	487.5	486.0	482.3	468.1	459.4	450.5
40°	459.2	468.9	473.3	474.7	477.0	476.5	476.2	471.0	452.3	443.1	432.9
42.5°	443.9	457.6	465.2	466.5	467.8	468.1	467.3	459.7	438.4	427.6	417.9
45°	429.2	447.1	456.8	455.5	457.3	457.3	458.1	448.1	424.7	413.7	403.4
47.5°	416.3	437.3	446.3	444.7	445.8	446.5	447.3	435.8	409.7	399.2	388.7
50°	404.5	426.8	434.4	435.0	435.0	436.8	436.6	425.3	397.1	385.8	375.3
52.5°	391.9	416.1	424.2	427.6	428.7	429.5	425.8	412.6	384.3	370.6	360.9
55°	377.2	405.0	412.4	416.8	418.9	418.4	413.4	400.0	371.1	357.4	346.4
57.5°	354.8	381.4	391.9	394.0	397.4	395.3	389.5	378.2	350.1	336.4	325.1
60°	330.4	349.6	358.0	359.8	357.2	358.0	357.2	346.4	322.0	311.2	299.6
62.5°	298.3	315.4	324.3	326.7	322.2	325.1	324.1	310.7	286.2	274.9	264.7
65°	274.1	292.8	303.3	304.6	303.3	304.6	300.9	284.6	261.5	249.9	239.4
67.5°	255.2	274.4	285.4	289.1	287.8	287.5	281.7	262.8	238.9	226.3	212.9
70°	222.6	239.4	253.6	262.6	262.6	257.6	246.5	228.9	209.7	199.0	188.4
72.5°	197.1	218.4	232.3	241.5	243.4	240.5	225.0	206.3	184.2	173.5	162.4
75°	162.4	183.2	198.2	210.3	212.6	209.5	191.6	173.2	152.7	142.2	131.1
77.5°	108.5	120.9	133.0	144.0	141.7	143.8	131.7	117.7	105.1	97.2	92.3
80°	61.2	69.4	73.1	79.1	79.1	79.1	71.2	64.7	57.6	53.1	48.1
82.5°	34.7	39.9	41.5	46.5	47.8	48.1	42.8	38.6	34.2	31.8	28.4
85°	16.0	18.9	19.2	22.1	23.1	25.2	22.9	20.0	17.3	16.3	14.2
87.5°	0.5	1.6	2.1	3.9	5.3	6.0	6.6	6.6	5.5	5.0	4.2
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-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	589.3	589.3	589.3	589.3	589.3	589.3	589.3	589.3	589.3	589.3
2.5°	558.0	564.3	571.6	576.9	586.4	594.2	602.4	611.3	617.9	616.3
5°	529.9	540.4	553.8	566.1	583.7	601.6	621.3	641.6	653.4	652.9
7.5°	514.1	529.1	545.4	561.9	582.7	608.4	638.7	670.2	686.2	687.0
10°	522.5	538.5	549.6	563.5	585.3	617.6	653.9	691.8	710.2	713.8
12.5°	549.0	547.7	546.9	556.9	583.2	624.2	668.6	713.8	734.6	739.1
15°	574.3	547.2	530.9	537.7	573.7	628.4	683.1	738.0	761.4	766.1
17.5°	579.0	538.0	507.8	512.5	558.8	629.7	697.0	761.7	786.9	791.4
20°	565.9	526.2	491.0	484.4	539.8	626.3	705.7	781.4	809.0	813.7
22.5°	549.3	515.7	478.3	461.3	516.7	622.9	715.4	802.1	833.9	838.1
25°	532.0	502.3	466.5	440.5	490.4	620.8	731.7	829.5	867.8	872.8
27.5°	513.6	486.0	456.3	430.5	466.3	623.4	754.8	873.6	917.3	924.4
30°	493.8	469.7	449.7	427.1	449.7	625.8	780.3	918.8	970.1	980.1
32.5°	473.3	454.7	442.9	428.7	439.4	620.3	802.7	969.6	1033.2	1041.8
35°	452.8	439.4	434.2	431.6	425.8	600.0	820.8	1020.8	1105.2	1112.8
37.5°	433.7	423.7	422.1	425.0	404.8	566.9	841.8	1086.0	1175.9	1187.4
40°	415.8	406.6	406.3	405.8	381.6	521.7	870.2	1152.2	1245.5	1250.8
42.5°	399.2	387.7	389.8	383.5	362.7	472.8	897.0	1208.7	1310.4	1314.1
45°	384.5	369.3	371.6	363.7	353.8	421.6	920.7	1275.5	1392.7	1395.1
47.5°	370.3	354.0	347.5	346.9	352.2	374.3	943.8	1404.0	1521.5	1525.7
50°	357.2	339.6	320.9	332.5	342.5	338.8	972.7	1541.7	1654.5	1653.4
52.5°	344.6	321.4	294.9	317.2	317.2	312.5	964.6	1625.3	1764.3	1782.5
55°	330.1	292.3	267.8	291.7	280.2	288.8	820.3	1652.6	1833.5	1859.2
57.5°	301.5	256.3	235.0	247.8	230.5	267.8	589.3	1517.0	1716.0	1761.7
60°	273.9	229.7	215.8	213.4	190.8	218.4	381.9	1187.7	1412.4	1435.5
62.5°	241.5	206.8	195.0	176.9	153.5	159.0	231.3	781.6	949.1	954.3
65°	217.1	187.4	164.8	143.2	125.6	115.4	136.7	376.9	474.4	468.1
67.5°	186.3	160.6	139.0	123.5	109.1	96.2	90.9	112.0	126.7	122.5
70°	165.8	141.1	120.4	105.7	92.3	79.4	70.2	66.0	64.7	63.6
72.5°	143.0	121.4	99.9	85.7	73.1	61.2	52.8	47.8	46.5	45.5
75°	114.1	93.8	74.1	60.7	49.7	41.3	35.7	31.5	30.8	29.7
77.5°	75.4	60.2	44.2	36.0	29.4	25.0	21.3	18.7	18.1	17.6
80°	41.5	34.7	27.1	21.8	17.6	15.2	13.9	12.4	12.1	11.8
82.5°	24.7	20.8	15.5	12.4	10.3	9.2	8.4	7.6	7.4	7.1
85°	12.4	9.7	6.8	5.8	5.3	4.7	4.7	3.9	3.7	3.7
87.5°	3.2	2.6	1.6	1.3	1.3	1.3	1.1	0.8	0.8	0.5
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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