

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: P629409

Luminaire Tested: GWS-SA1B-750-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629409
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-37)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-750-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3436.1 lumens
Efficiency: N/A
Efficacy: 137.4 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

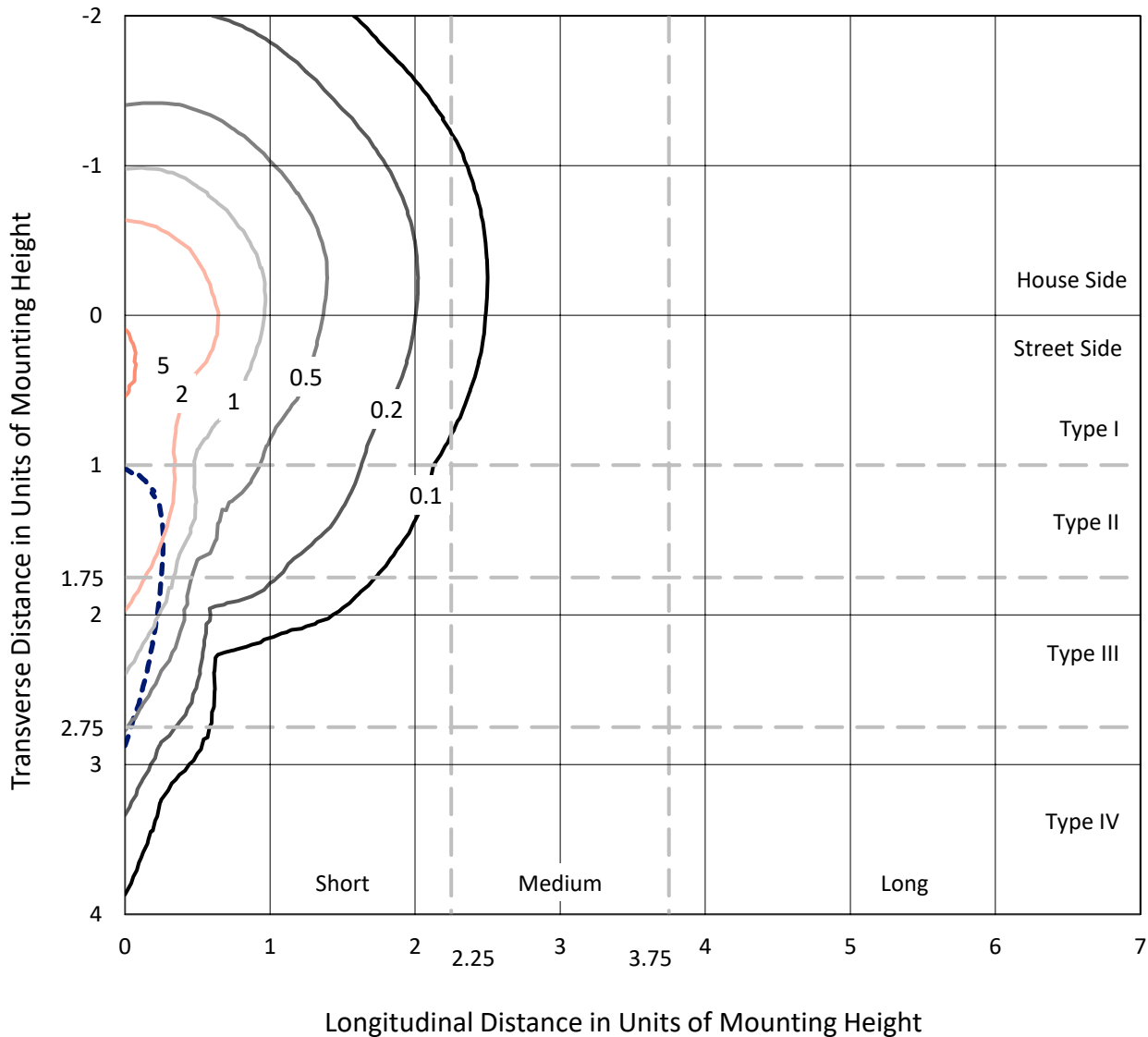
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

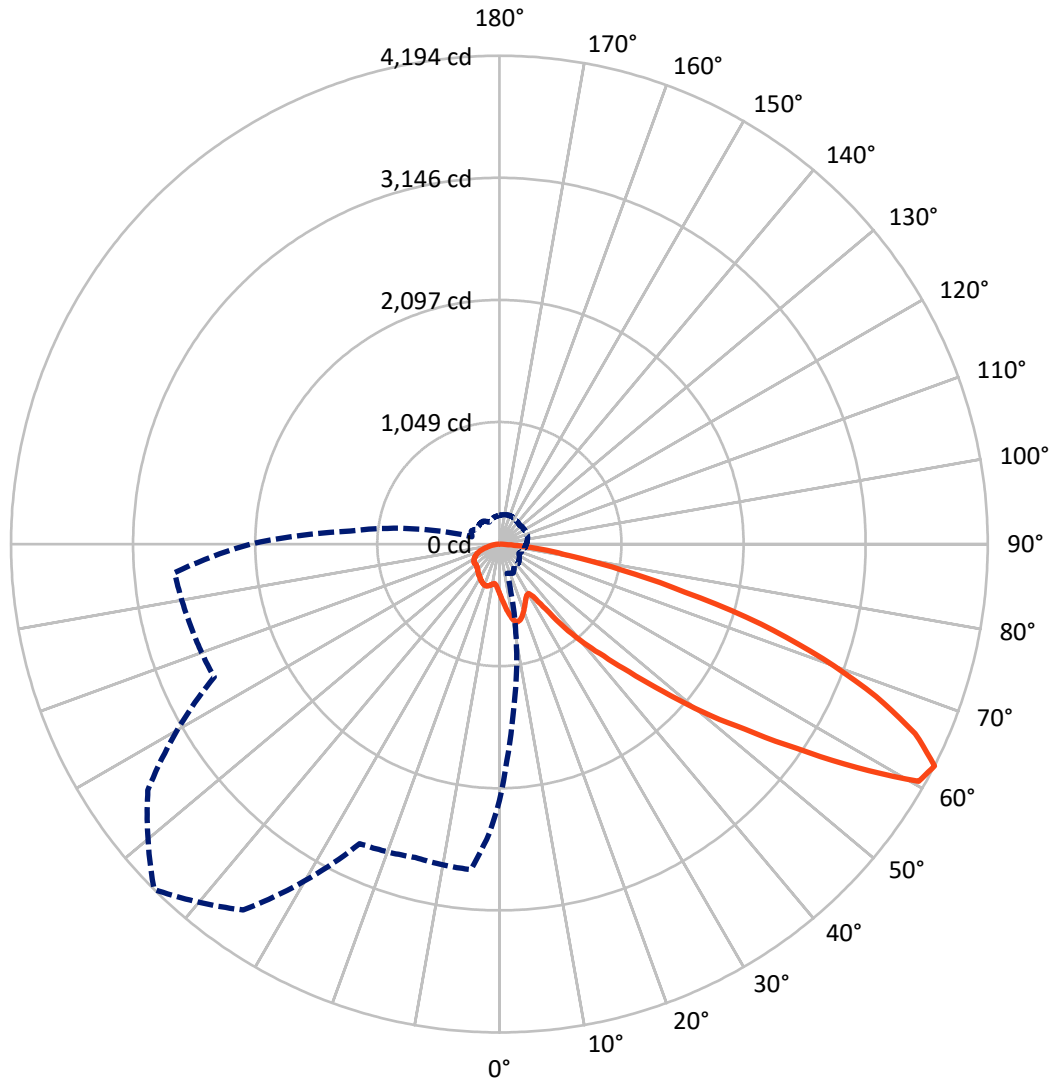
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	821.6	0.0	821.6
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	2614.5	0.0	2614.5
	% Fixture	76.1	0.0	76.1
Total	Lumens	3436.1	0.0	3436.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.2	1.2
10°-20°	137.2	4.0
20°-30°	215.9	6.3
30°-40°	296.0	8.6
40°-50°	461.8	13.4
50°-60°	796.2	23.2
60°-70°	922.8	26.9
70°-80°	487.1	14.2
80°-90°	76.9	2.2
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°	3436.1	100.0
0°-180°	3436.1	100.0

Coefficient of Utilization



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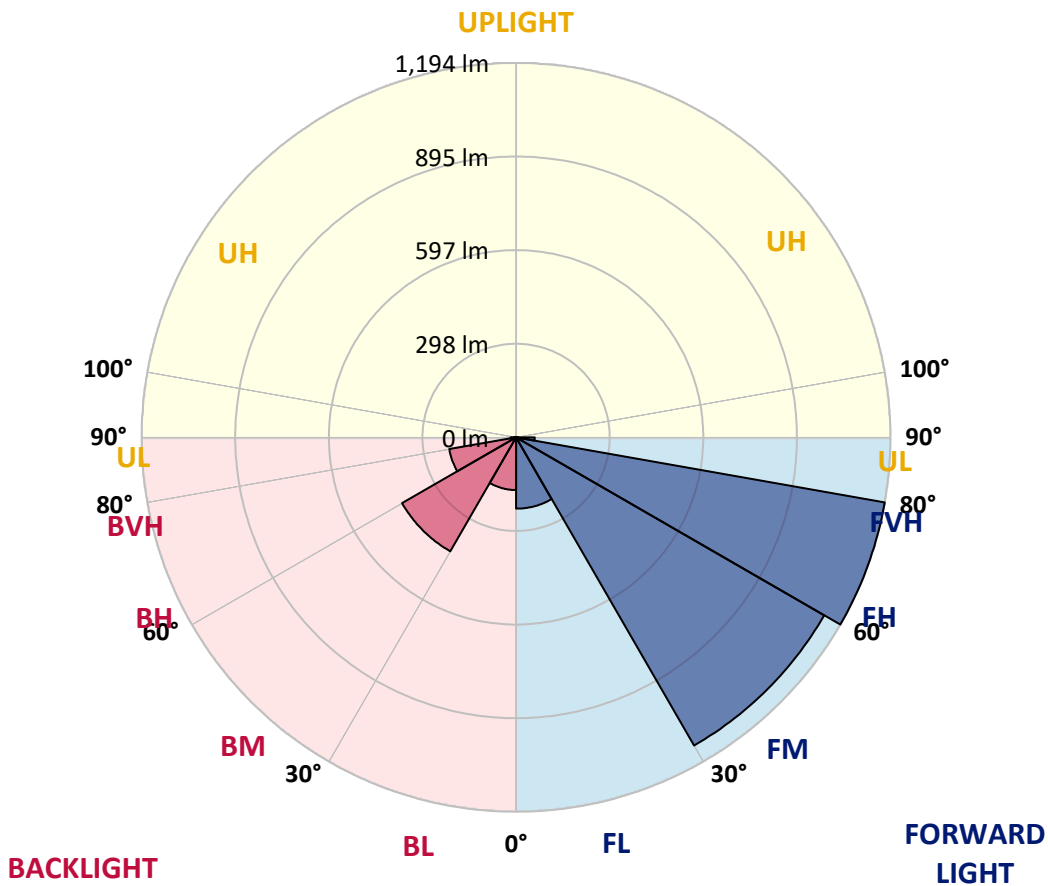
CATALOG NUMBER: GWS-SA1B-750-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	227.3	6.6			
FM (30°-60°)	1134.4	33.0			
FH (60°-80°)	1193.5	34.7			G1/1800
FVH (80°-90°)	59.4	1.7			G1/100
BL (0°-30°)	168.0	4.9	B1/500		
BM (30°-60°)	419.7	12.2	B1/1000		
BH (60°-80°)	216.3	6.3	B1/500		G1/500
BVH (80°-90°)	17.6	0.5			G1/100
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°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	428.4	428.4	428.4	428.4	428.4	428.4	428.4	428.4	428.4	428.4	428.4
2.5°	465.5	463.6	461.0	452.1	446.5	440.2	433.7	426.0	417.4	411.3	405.3
5°	504.9	502.0	495.7	474.4	459.7	443.7	430.3	415.0	400.0	389.8	379.5
7.5°	542.7	539.1	529.3	496.7	472.8	449.7	429.5	407.4	385.0	369.8	357.7
10°	580.6	573.0	560.6	518.0	486.5	459.7	436.6	409.5	379.8	359.0	346.1
12.5°	609.5	602.4	589.0	537.5	500.2	466.5	440.5	415.5	390.3	368.2	355.1
15°	636.6	627.4	612.1	555.6	511.5	466.3	432.6	410.8	407.1	401.6	384.5
17.5°	656.0	647.6	631.8	570.3	517.8	458.1	410.8	397.9	414.5	431.3	415.0
20°	673.1	663.4	647.3	580.6	519.1	440.0	384.3	384.5	410.5	433.7	429.7
22.5°	687.6	676.8	662.6	592.2	518.6	414.7	361.1	376.9	402.9	421.1	421.6
25°	705.4	696.5	684.7	609.2	518.6	389.0	344.3	367.7	390.0	405.3	404.8
27.5°	727.2	721.2	711.5	635.3	523.3	367.4	334.8	355.9	373.5	386.6	386.4
30°	751.7	746.2	738.8	662.9	531.4	351.4	329.6	341.2	354.0	364.5	364.5
32.5°	776.7	774.6	766.7	684.9	525.1	346.4	325.1	326.4	333.3	341.9	341.2
35°	811.4	809.2	799.3	702.0	497.8	339.3	318.0	311.5	312.2	317.8	319.6
37.5°	862.1	858.9	844.2	722.0	456.5	321.4	306.5	295.7	293.3	295.7	299.1
40°	923.3	918.6	898.6	749.1	409.0	297.3	288.3	279.4	275.4	276.2	280.2
42.5°	1000.1	990.1	961.4	777.7	361.9	276.0	268.1	262.6	258.1	257.6	265.2
45°	1124.6	1097.3	1051.8	803.2	322.2	264.7	249.9	246.0	242.3	244.4	253.4
47.5°	1342.3	1291.8	1203.2	825.0	298.0	264.9	235.5	231.3	231.0	235.2	245.2
50°	1641.4	1568.6	1431.9	839.7	285.4	268.1	226.8	220.0	225.0	229.2	238.6
52.5°	1927.8	1816.7	1654.0	839.5	279.9	268.6	229.2	209.5	225.0	226.0	235.0
55°	2172.5	1971.2	1713.9	753.3	272.0	266.5	238.4	201.3	222.1	226.0	233.1
57.5°	2367.0	2069.5	1709.4	608.4	295.9	254.9	243.9	199.5	213.7	226.6	234.7
60°	2345.5	2024.6	1599.3	373.5	293.6	234.4	243.1	202.9	199.5	219.5	232.9
62.5°	2202.2	1863.5	1409.8	259.1	275.7	222.6	230.2	208.9	186.3	209.2	223.9
65°	2001.7	1655.6	1174.8	198.7	228.4	223.1	208.4	204.7	174.8	192.9	208.7
67.5°	1736.5	1397.7	927.5	157.4	159.3	193.2	189.2	181.9	164.0	178.5	192.7
70°	1305.5	1020.0	638.1	126.7	120.6	161.4	170.1	163.5	153.5	157.7	172.7
72.5°	919.9	666.0	349.6	100.4	93.0	124.1	147.7	146.7	135.6	138.8	153.5
75°	683.6	471.3	218.4	79.4	75.7	88.8	123.8	126.9	117.7	121.4	132.7
77.5°	455.0	305.1	121.4	58.9	58.9	64.9	92.3	107.0	100.1	103.0	110.9
80°	251.0	155.3	60.7	38.6	39.7	44.7	67.3	77.0	77.3	84.4	86.5
82.5°	79.4	49.4	27.1	22.6	21.3	25.5	43.4	55.2	51.5	65.7	60.5
85°	18.1	11.6	5.0	5.0	5.5	8.4	16.6	29.4	37.6	45.2	32.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	11.6	17.1	15.2
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	428.4	428.4	428.4	428.4	428.4	428.4	428.4	428.4	428.4	428.4	428.4
2.5°	401.6	396.3	394.8	390.3	389.8	385.6	384.0	384.0	385.8	385.8	387.7
5°	375.3	368.7	365.1	359.8	358.5	355.3	353.2	353.5	355.9	357.4	360.6
7.5°	352.2	347.7	345.1	342.7	342.2	341.7	339.3	339.0	339.8	342.2	344.6
10°	342.5	339.3	340.1	341.9	344.8	346.4	344.3	343.3	342.5	344.0	346.1
12.5°	351.9	348.8	350.4	353.5	357.4	359.0	358.2	358.0	358.8	364.8	369.3
15°	372.7	366.6	364.5	365.9	369.0	370.6	369.8	370.9	375.8	391.6	402.9
17.5°	398.4	383.7	375.3	373.0	374.3	375.6	375.6	378.2	386.9	410.0	424.2
20°	412.4	393.2	379.0	373.2	373.7	375.1	375.1	378.7	388.5	413.2	422.4
22.5°	408.7	391.1	373.7	367.4	367.7	368.7	368.7	371.9	380.6	402.4	406.6
25°	394.2	378.7	361.7	356.1	356.7	358.5	358.0	359.8	366.4	384.3	386.6
27.5°	376.9	363.2	346.4	342.2	344.6	348.2	345.1	345.4	351.4	366.4	366.6
30°	358.2	346.9	332.0	328.8	333.3	335.1	332.2	332.2	338.3	348.5	348.2
32.5°	338.0	330.9	320.1	316.7	321.7	324.6	320.9	321.4	326.2	333.0	330.4
35°	319.1	315.4	310.4	308.0	311.2	313.8	311.5	312.5	317.0	318.8	315.1
37.5°	300.9	300.4	300.9	300.9	301.7	302.5	300.9	303.6	307.5	305.1	300.9
40°	285.2	287.3	292.3	291.0	290.2	291.0	289.9	294.4	298.3	294.1	289.1
42.5°	272.0	276.0	283.6	283.6	282.0	282.5	282.0	287.5	290.4	284.6	279.1
45°	260.7	266.5	276.2	277.5	274.9	274.9	276.0	282.8	283.9	276.0	270.2
47.5°	252.8	259.9	271.0	273.3	269.4	269.1	272.0	279.4	279.4	270.2	263.6
50°	247.3	255.2	268.3	271.5	267.6	266.5	271.2	278.3	276.8	265.7	259.1
52.5°	243.6	251.8	268.1	272.6	269.9	268.9	273.6	278.6	274.7	262.8	256.0
55°	241.3	250.2	268.9	272.6	269.7	267.8	272.6	277.0	274.9	261.3	254.7
57.5°	242.6	251.5	267.8	269.7	266.2	263.1	268.6	274.9	274.1	261.8	255.2
60°	240.5	248.6	262.0	262.6	256.8	251.8	259.9	269.4	269.4	259.9	254.2
62.5°	230.8	238.9	250.7	251.3	244.7	239.2	248.6	259.9	259.7	252.1	246.0
65°	214.7	222.4	235.8	237.1	230.5	224.7	234.4	245.0	245.7	238.9	233.7
67.5°	197.1	204.0	213.9	219.2	213.7	207.6	216.6	226.6	226.3	218.1	212.6
70°	176.1	182.4	191.6	196.1	192.7	186.9	195.0	200.3	197.9	194.0	190.3
72.5°	155.3	161.4	170.1	170.1	166.4	160.9	163.2	172.7	175.6	172.7	170.3
75°	133.5	138.8	144.8	146.1	138.0	128.0	139.0	147.2	150.6	149.3	146.4
77.5°	111.2	115.1	124.1	121.7	106.4	101.2	110.1	122.2	124.6	123.8	119.8
80°	85.7	88.0	97.5	92.8	81.0	77.5	81.5	90.9	91.5	88.8	83.8
82.5°	57.6	60.7	67.0	57.8	57.6	54.4	51.3	52.3	57.0	56.5	53.1
85°	29.4	31.0	37.1	34.7	29.7	25.8	24.4	26.0	23.4	21.3	18.4
87.5°	12.4	13.4	18.4	10.3	3.2	0.0	0.0	1.6	2.4	3.4	3.7
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°	428.4	428.4	428.4	428.4	428.4	428.4	428.4	428.4	428.4	428.4	428.4
2.5°	391.9	394.8	401.9	410.8	419.5	428.4	438.1	444.2	451.5	461.0	461.3
5°	364.5	371.1	381.4	395.0	409.2	425.5	444.4	460.2	479.1	494.1	500.2
7.5°	347.7	357.2	370.1	387.4	406.1	426.3	451.0	477.6	508.6	528.5	540.4
10°	349.3	363.8	376.6	391.4	408.2	430.0	461.8	497.0	535.1	561.4	576.1
12.5°	377.4	392.7	390.3	389.5	400.8	427.4	470.5	516.7	563.2	589.5	607.1
15°	412.9	418.7	396.3	379.5	386.4	417.9	475.2	534.3	586.6	618.7	636.0
17.5°	431.0	419.5	392.4	367.2	365.3	403.4	477.6	552.2	612.9	645.0	663.4
20°	422.6	405.8	382.9	359.0	345.9	383.7	476.2	566.4	636.8	672.6	687.6
22.5°	404.5	389.8	371.9	349.0	330.1	362.2	472.8	580.6	658.1	694.1	707.3
25°	384.8	373.7	359.0	339.0	321.2	343.3	470.5	599.5	682.6	717.0	725.4
27.5°	365.1	356.9	344.8	329.3	319.1	330.1	471.3	624.2	714.1	746.7	743.3
30°	345.6	338.5	330.1	323.3	318.8	327.0	469.1	650.5	748.8	779.0	758.8
32.5°	327.2	320.7	315.4	316.4	319.1	328.3	458.4	674.4	780.6	806.4	775.6
35°	311.5	304.6	304.6	308.3	318.0	323.8	430.5	693.1	815.8	841.6	799.5
37.5°	296.7	290.7	294.6	300.7	309.9	311.7	394.8	711.2	867.1	891.3	836.6
40°	283.9	277.8	284.9	292.5	297.3	296.5	358.5	736.4	927.5	952.5	885.7
42.5°	273.6	268.1	274.4	284.1	284.9	285.7	332.0	760.6	997.7	1029.5	970.4
45°	265.2	261.3	264.4	274.1	274.1	286.2	315.4	780.9	1103.4	1159.6	1125.7
47.5°	258.6	256.3	257.8	261.0	266.2	295.7	304.9	796.4	1295.7	1406.1	1372.0
50°	254.9	252.6	254.7	248.1	263.9	300.4	301.5	808.2	1549.4	1722.3	1680.0
52.5°	251.8	251.0	252.3	237.1	269.1	297.3	298.8	792.4	1719.4	2033.5	2075.3
55°	250.7	251.3	245.0	228.9	275.4	286.7	291.0	679.7	1765.7	2301.9	2561.3
57.5°	251.3	249.7	233.7	229.7	275.7	265.7	302.3	484.9	1698.4	2418.5	3036.7
60°	249.4	241.5	220.0	236.8	263.6	241.0	294.1	316.2	1521.0	2328.9	3064.3
62.5°	241.3	229.7	208.2	240.8	242.1	226.3	267.0	243.6	1284.4	2137.1	2798.3
65°	229.4	213.9	198.2	232.6	220.3	219.5	200.8	195.3	1032.9	1908.7	2546.0
67.5°	210.0	194.5	190.8	213.9	198.2	194.5	161.4	161.9	824.2	1665.3	2292.4
70°	187.9	172.4	175.3	193.4	176.4	161.6	130.6	134.8	625.3	1387.5	1950.5
72.5°	173.5	152.7	153.0	170.3	155.1	130.9	107.5	111.2	396.9	1045.8	1550.7
75°	146.4	134.6	128.8	138.0	131.7	102.0	90.4	89.6	235.2	749.6	1161.2
77.5°	122.2	113.0	110.1	113.8	98.3	75.4	72.8	71.5	133.3	480.2	760.9
80°	88.6	86.2	85.9	87.8	75.7	55.5	55.5	55.7	71.8	260.7	428.9
82.5°	56.2	61.5	54.4	60.5	51.5	39.4	36.8	41.8	41.3	111.2	180.8
85°	23.4	32.1	30.0	31.8	24.4	21.6	23.1	25.0	23.9	42.8	70.4
87.5°	4.5	5.3	5.8	5.5	5.5	6.8	7.6	9.2	9.2	12.4	21.3
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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 CATALOG NUMBER: GWS-SA1B-750-U-SLL-W

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	428.4	428.4	428.4	428.4	428.4	428.4	428.4	428.4	428.4	428.4
2.5°	471.3	478.9	477.3	480.7	476.2	477.8	468.9	466.5	464.9	465.5
5°	519.6	535.1	538.0	543.8	539.8	539.8	524.1	512.3	508.0	504.9
7.5°	568.8	591.1	605.8	607.4	605.3	601.1	578.2	556.9	549.3	542.7
10°	612.4	639.2	655.8	663.6	659.7	653.1	624.7	595.6	586.4	580.6
12.5°	645.8	669.4	680.5	685.7	685.2	682.8	659.7	628.2	618.4	609.5
15°	667.3	679.1	674.9	674.7	678.4	687.8	680.7	656.0	644.7	636.6
17.5°	681.3	669.9	651.3	642.6	650.5	672.8	689.1	675.2	665.0	656.0
20°	686.2	646.0	619.0	602.9	612.1	644.5	684.7	689.1	680.5	673.1
22.5°	680.5	616.9	580.1	561.1	570.1	608.7	671.5	700.4	694.7	687.6
25°	666.3	586.4	542.2	525.1	534.9	574.3	648.1	711.0	711.2	705.4
27.5°	648.7	558.2	515.7	499.6	509.1	545.9	625.3	720.2	729.3	727.2
30°	630.8	541.4	503.1	491.8	498.8	531.4	601.9	729.6	748.0	751.7
32.5°	622.6	549.6	532.8	537.7	528.5	539.8	593.5	743.0	770.6	776.7
35°	633.4	621.9	664.4	684.1	651.6	608.7	604.2	763.3	802.4	811.4
37.5°	685.7	776.7	840.3	909.6	853.1	758.8	657.6	797.7	847.9	862.1
40°	799.5	911.8	1026.6	1116.2	1030.8	903.9	759.0	848.9	910.4	923.3
42.5°	906.8	1038.4	1196.7	1312.6	1201.7	1022.4	868.4	935.1	993.0	1000.1
45°	1011.9	1162.8	1402.5	1563.6	1413.0	1135.2	980.1	1080.8	1124.4	1124.6
47.5°	1135.2	1302.8	1660.6	1890.0	1693.4	1260.0	1085.0	1311.3	1372.0	1342.3
50°	1282.6	1442.1	1926.3	2269.8	2035.3	1413.5	1218.2	1592.2	1675.0	1641.4
52.5°	1480.0	1595.6	2219.1	2640.1	2408.0	1588.3	1411.4	1963.3	1990.7	1927.8
55°	1757.8	1817.2	2594.9	3097.4	2824.1	1803.5	1693.9	2429.1	2352.6	2172.5
57.5°	2390.4	2167.8	3077.5	3619.1	3294.8	2194.6	2313.2	2942.6	2670.6	2367.0
60°	2919.8	2593.6	3524.0	4136.9	3698.3	2625.7	2894.5	3032.0	2658.8	2345.5
62.5°	2741.3	2702.1	3685.1	4194.0	3836.0	2837.8	2786.5	2806.7	2485.3	2202.2
65°	2405.1	2492.7	3541.4	3923.5	3683.3	2647.7	2520.5	2598.6	2286.9	2001.7
67.5°	2206.7	2271.1	3285.6	3490.6	3405.7	2442.2	2313.7	2257.2	1978.8	1736.5
70°	2003.8	2057.2	2926.6	2947.4	2972.9	2100.5	1891.8	1723.6	1475.0	1305.5
72.5°	1731.5	1734.4	2472.7	2352.3	2400.7	1643.7	1522.8	1288.6	1073.7	919.9
75°	1452.7	1373.3	1957.3	1644.3	1741.2	1278.7	1264.5	971.2	809.8	683.6
77.5°	1107.6	1014.8	1429.8	1081.3	1222.9	851.6	950.7	658.6	569.8	455.0
80°	743.5	685.7	790.1	610.3	800.1	586.9	620.0	373.2	323.5	251.0
82.5°	392.1	334.8	488.3	361.9	482.6	322.5	232.6	115.4	98.3	79.4
85°	151.9	175.8	239.4	128.8	187.1	115.1	67.3	28.6	23.9	18.1
87.5°	29.4	45.5	25.0	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

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