

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: P631883

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631883
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-SA2B-750-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3766.1 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

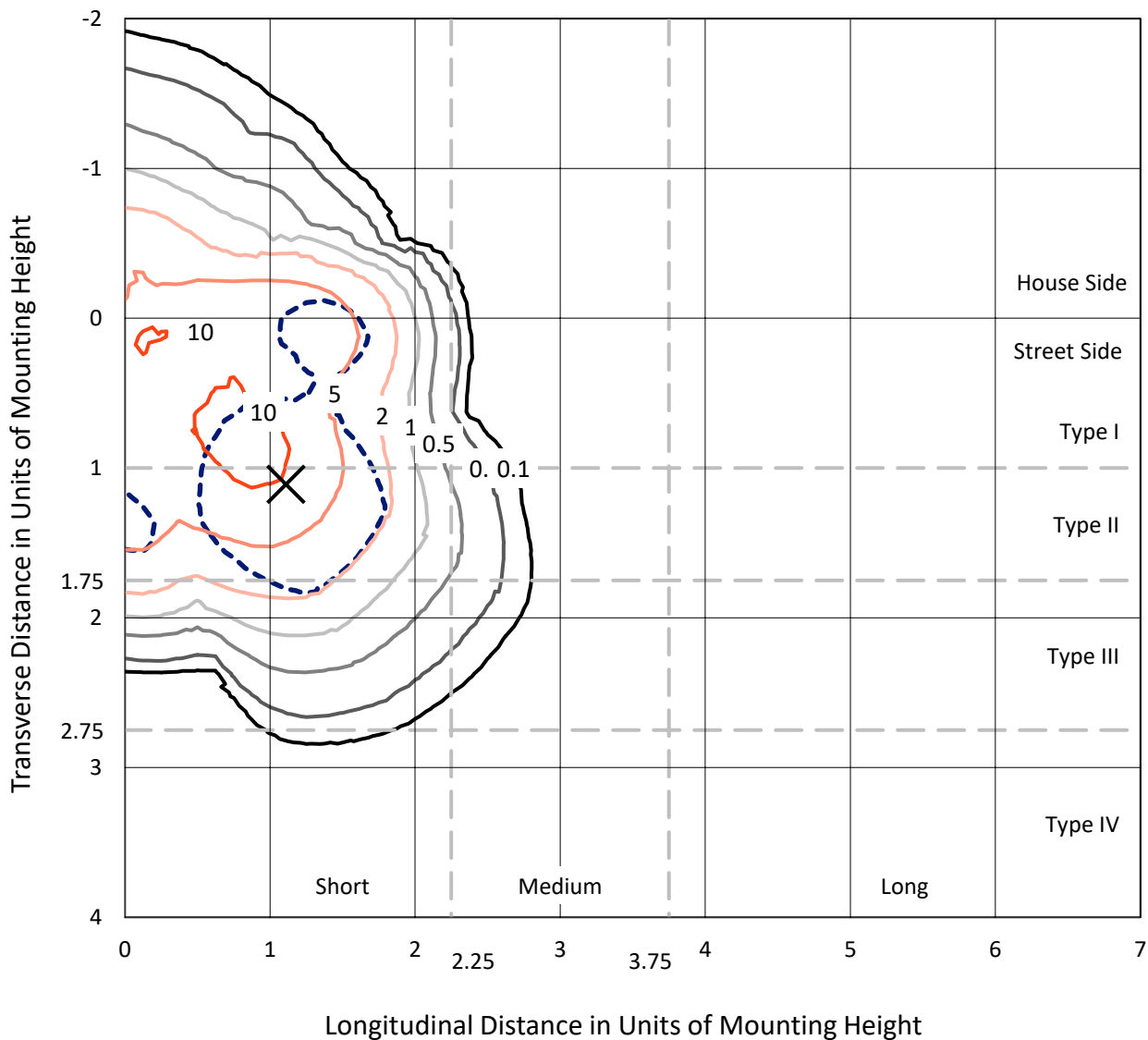
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

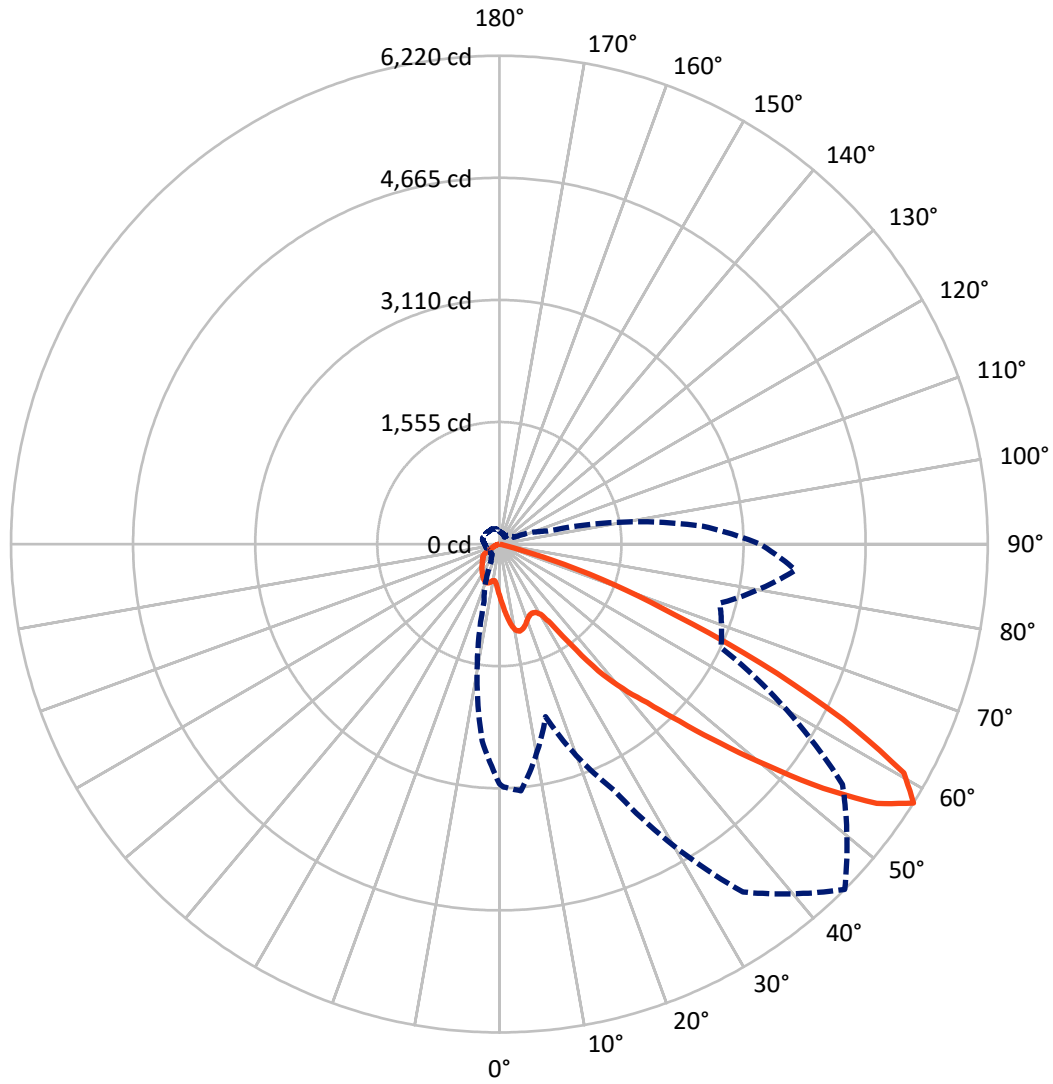
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.8 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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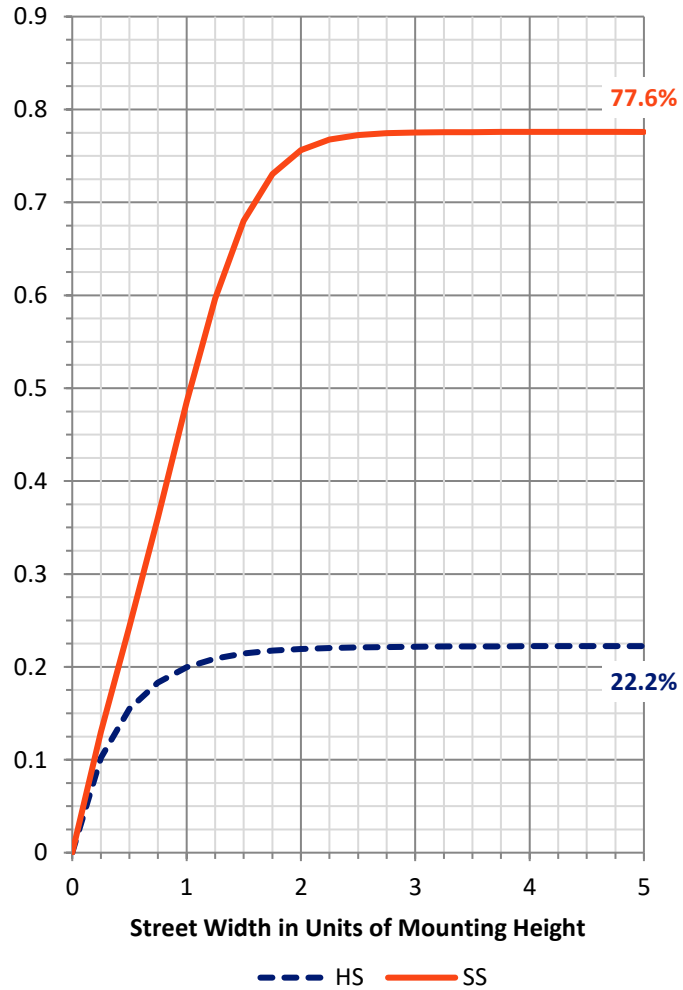
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	843.3	0.0	843.3
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	2922.8	0.0	2922.8
	% Fixture	77.6	0.0	77.6
Total	Lumens	3766.1	0.0	3766.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.1	1.7
10°-20°	210.7	5.6
20°-30°	342.2	9.1
30°-40°	528.7	14.0
40°-50°	847.8	22.5
50°-60°	1158.8	30.8
60°-70°	561.2	14.9
70°-80°	51.4	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°	3766.1	100.0
0°-180°	3766.1	100.0

Coefficient of Utilization

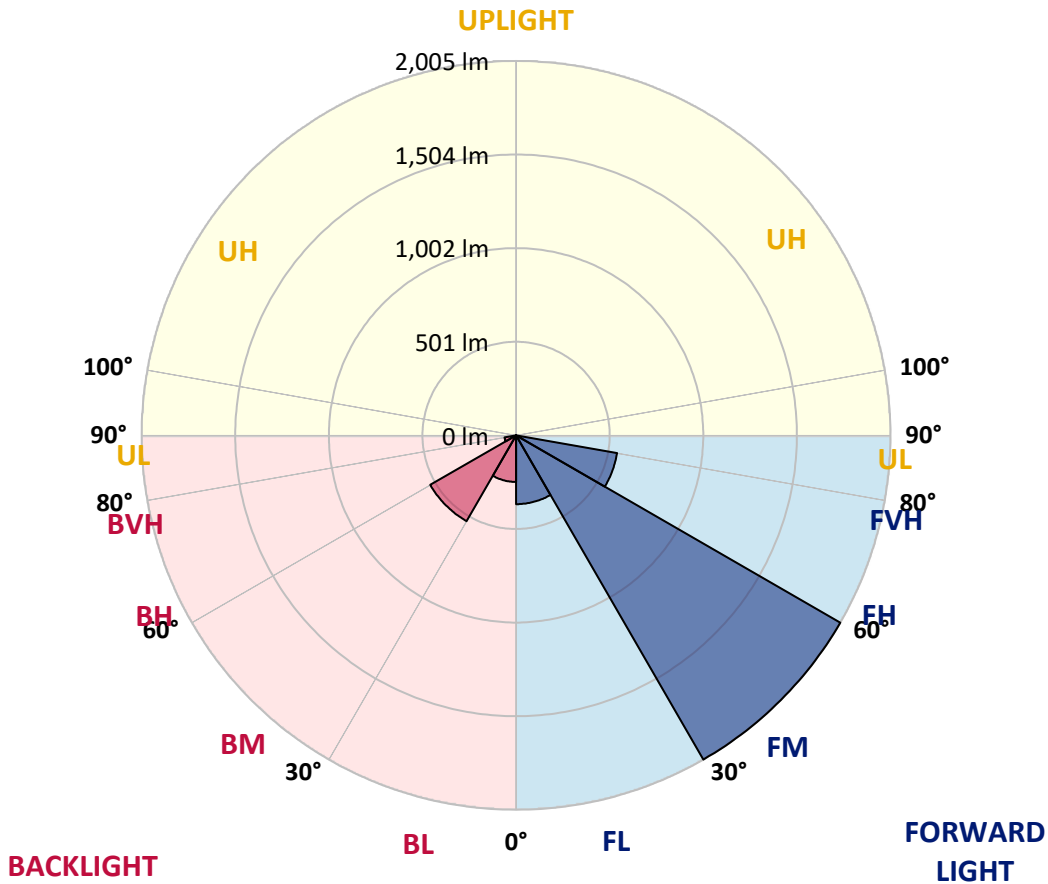


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	368.4	9.8			
FM (30°-60°)	2004.8	53.2			
FH (60°-80°)	549.4	14.6			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	249.5	6.6	B1/500		
BM (30°-60°)	530.6	14.1	B1/1000		
BH (60°-80°)	63.2	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°	661.9	661.9	661.9	661.9	661.9	661.9	661.9	661.9	661.9	661.9	661.9
2.5°	717.1	721.6	729.2	745.4	759.1	768.2	772.3	771.2	765.7	761.6	753.5
5°	794.0	794.0	808.7	845.6	874.0	891.7	900.8	895.2	884.1	866.4	839.1
7.5°	861.3	863.9	888.6	941.3	984.3	1009.6	1024.3	1021.2	1001.5	967.6	912.9
10°	914.0	917.0	949.9	1014.2	1064.8	1090.6	1112.3	1114.4	1092.6	1047.6	984.8
12.5°	965.1	968.1	1002.5	1064.3	1108.8	1119.4	1138.6	1146.2	1140.7	1108.8	1043.5
15°	1020.2	1027.3	1056.7	1102.7	1121.4	1108.8	1121.4	1135.1	1153.8	1150.8	1092.1
17.5°	1074.4	1079.4	1109.3	1125.5	1104.7	1071.8	1077.9	1094.1	1136.6	1178.1	1140.2
20°	1124.5	1131.6	1156.4	1135.1	1072.4	1021.2	1021.7	1043.0	1107.8	1194.8	1189.3
22.5°	1177.1	1187.7	1205.4	1145.7	1042.5	981.3	983.8	1003.0	1085.0	1210.5	1244.9
25°	1245.9	1256.1	1267.7	1172.0	1032.9	961.5	971.1	988.9	1085.0	1237.3	1313.7
27.5°	1339.0	1346.1	1346.6	1221.1	1049.6	964.6	984.8	1005.0	1117.4	1291.0	1405.8
30°	1455.9	1467.1	1452.4	1297.5	1101.7	1005.0	1034.9	1060.2	1187.2	1381.6	1541.5
32.5°	1598.2	1613.8	1594.1	1410.9	1210.5	1144.7	1198.9	1213.5	1298.6	1512.6	1695.3
35°	1765.2	1778.3	1757.1	1567.8	1464.6	1476.7	1574.9	1556.1	1522.2	1674.1	1875.0
37.5°	1948.3	1960.5	1919.5	1805.6	1840.1	1892.7	2049.6	1985.3	1876.0	1882.1	2069.8
40°	2116.4	2129.5	2065.2	2064.2	2135.1	2231.2	2420.5	2331.9	2183.2	2154.3	2252.5
42.5°	2290.4	2299.6	2241.4	2201.9	2362.8	2560.7	2761.1	2641.7	2386.6	2355.2	2481.2
45°	2538.9	2558.2	2454.4	2269.7	2567.8	2939.7	3219.1	2985.8	2525.3	2500.0	2831.4
47.5°	2904.3	2918.5	2706.9	2312.2	2758.6	3411.9	3791.4	3432.1	2647.2	2589.5	3310.2
50°	3206.4	3216.0	2939.2	2358.8	2961.5	3921.0	4443.8	3961.5	2784.4	2737.8	3757.0
52.5°	3429.1	3465.5	3244.4	2454.4	3228.2	4519.7	5165.9	4588.5	2998.4	3024.2	4127.5
55°	3475.1	3524.7	3452.9	2513.1	3463.0	5129.5	5832.9	5149.7	3212.0	3241.3	4252.0
57.5°	3054.1	3093.6	3153.3	2276.3	3457.4	5408.8	6220.0	5335.9	3114.8	2906.8	3785.9
60°	2287.9	2315.2	2423.5	1739.9	3179.6	5161.9	5918.4	5019.1	2723.6	2218.1	2884.6
62.5°	1356.8	1368.9	1506.0	1127.0	2639.1	4445.3	4908.3	4330.9	2152.3	1491.9	1766.7
65°	520.7	515.7	620.4	556.2	1940.8	3540.9	3650.8	3301.6	1476.7	683.7	673.6
67.5°	80.5	76.9	103.7	164.5	1399.8	2453.9	2408.9	2379.5	925.1	159.4	139.2
70°	18.2	18.2	22.3	48.6	855.2	1441.8	1543.0	1471.1	592.1	33.9	18.2
72.5°	8.6	8.6	10.6	20.7	309.7	594.1	692.3	681.7	192.3	11.1	6.6
75°	3.0	3.5	3.5	4.6	18.7	30.9	70.8	50.6	12.1	0.0	0.0
77.5°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.5	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	661.9	661.9	661.9	661.9	661.9	661.9	661.9	661.9	661.9	661.9	661.9
2.5°	735.8	732.3	719.1	701.4	684.2	669.0	653.3	634.6	620.9	605.3	600.2
5°	817.8	795.5	759.6	722.2	687.7	658.4	630.1	599.7	577.4	555.2	547.6
7.5°	887.1	854.2	796.0	739.9	692.8	651.3	610.3	568.8	536.4	510.1	502.0
10°	949.4	911.4	833.5	764.2	704.9	656.9	607.3	555.2	513.1	481.8	474.2
12.5°	1003.0	959.0	865.4	782.4	710.0	654.8	606.8	565.3	527.3	491.4	481.8
15°	1048.1	999.5	892.2	794.5	702.4	629.5	587.5	581.0	577.9	538.5	519.7
17.5°	1092.1	1037.4	914.0	800.1	681.2	585.0	554.6	584.5	616.4	590.6	566.8
20°	1138.1	1075.9	936.2	801.1	645.7	534.9	529.8	576.9	617.4	609.3	587.0
22.5°	1192.3	1124.0	964.1	800.6	601.2	492.4	511.6	562.2	595.1	594.6	576.9
25°	1270.7	1184.7	1001.5	803.6	552.6	459.5	491.4	537.4	564.3	563.2	548.6
27.5°	1354.7	1257.1	1050.1	811.2	511.1	440.3	467.6	503.5	526.8	525.8	513.1
30°	1472.6	1340.6	1096.6	811.7	481.3	430.2	441.3	466.1	488.4	485.8	476.2
32.5°	1615.9	1434.7	1135.6	782.9	462.5	420.5	414.0	426.6	443.8	440.3	437.7
35°	1788.9	1546.5	1169.0	719.6	433.7	401.3	383.6	386.1	398.3	400.3	399.3
37.5°	1986.3	1679.6	1210.5	636.1	394.7	373.5	349.7	347.7	354.8	361.3	366.4
40°	2181.1	1829.4	1266.7	551.6	359.3	338.1	315.3	310.2	313.3	324.9	335.5
42.5°	2400.3	2003.0	1327.4	479.2	335.0	299.1	277.3	267.7	276.3	295.0	307.7
45°	2716.0	2246.4	1386.6	421.6	324.9	264.7	235.3	234.3	243.9	268.2	282.4
47.5°	3159.4	2561.2	1425.6	376.5	324.4	237.9	202.9	209.0	220.1	243.9	260.1
50°	3591.5	2955.4	1382.6	342.1	313.8	220.1	178.6	190.8	201.9	222.7	239.4
52.5°	3852.2	3167.5	1215.1	309.7	280.9	212.0	154.9	176.1	178.1	196.9	214.6
55°	3824.8	3030.3	930.7	259.6	232.3	200.4	130.1	158.9	159.9	174.1	189.3
57.5°	3319.8	2601.7	639.2	210.5	174.6	165.5	107.3	134.1	143.7	152.3	163.5
60°	2474.1	1898.2	284.9	171.0	110.8	111.8	91.6	101.2	115.9	126.0	135.6
62.5°	1458.0	1092.1	115.9	102.7	61.2	70.3	73.9	73.9	83.0	90.6	96.7
65°	551.1	382.1	47.1	51.6	31.9	32.9	43.5	53.6	60.7	67.3	75.4
67.5°	96.7	66.8	24.3	19.2	18.7	16.7	22.3	34.9	39.0	44.0	47.6
70°	16.2	13.7	10.1	9.6	8.6	9.1	14.7	24.8	27.3	28.8	30.4
72.5°	4.6	4.0	3.0	2.5	2.0	2.5	9.1	19.2	20.2	21.3	22.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	3.5	13.7	14.7	15.2	16.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	4.0	5.1	4.0
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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CATALOG NUMBER: GWS-SA2B-750-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	661.9	661.9	661.9	661.9	661.9	661.9	661.9	661.9	661.9	661.9	661.9
2.5°	597.2	587.0	581.5	578.4	578.4	574.4	569.8	568.3	574.9	574.9	586.0
5°	537.9	529.8	520.7	515.2	506.6	508.1	503.0	502.5	509.1	512.1	523.8
7.5°	497.0	486.8	481.3	477.7	473.2	471.1	466.6	465.1	468.6	473.7	484.8
10°	469.6	468.1	467.6	470.1	470.1	467.6	463.6	461.0	462.0	471.7	484.3
12.5°	476.7	479.7	480.8	484.8	486.8	484.8	481.8	482.8	489.4	507.1	525.8
15°	507.6	505.1	504.0	506.1	507.6	505.6	504.5	512.1	534.9	560.2	581.5
17.5°	540.5	524.3	517.2	517.2	518.2	517.2	518.2	532.9	569.8	595.1	610.8
20°	557.2	527.3	516.2	513.7	515.7	516.2	519.7	536.4	576.9	594.6	598.2
22.5°	552.1	514.7	502.0	500.0	502.0	504.0	507.6	521.8	559.7	568.8	567.3
25°	526.8	489.9	479.7	479.7	484.3	483.8	485.3	495.4	526.8	532.4	529.8
27.5°	494.9	460.0	451.4	456.5	460.5	459.5	460.0	468.6	491.9	493.4	490.9
30°	462.5	432.2	424.1	430.2	435.7	434.7	435.2	443.8	458.5	457.0	453.4
32.5°	429.6	407.4	401.3	404.9	413.5	412.4	414.5	423.6	429.1	422.6	418.5
35°	399.3	387.6	383.1	385.1	391.7	393.2	396.8	402.8	402.8	394.7	387.6
37.5°	370.9	369.4	366.4	363.9	369.9	374.5	379.5	386.6	376.5	364.9	358.3
40°	344.6	351.2	347.2	340.6	344.1	350.7	360.8	366.4	354.2	342.6	331.5
42.5°	320.3	331.5	330.0	321.9	324.9	331.0	342.6	347.2	333.0	319.8	309.2
45°	297.1	312.7	313.8	303.6	306.7	312.7	326.4	327.9	309.7	295.5	288.0
47.5°	276.8	294.0	294.5	286.9	288.0	296.6	309.2	309.7	289.0	275.8	266.2
50°	257.6	277.3	278.8	272.3	273.3	283.4	294.0	292.0	269.7	256.1	247.5
52.5°	234.3	261.1	264.7	261.6	265.7	273.8	280.4	273.3	247.5	233.8	226.2
55°	209.0	243.9	251.5	249.5	254.0	260.6	262.1	257.6	225.2	211.5	204.5
57.5°	179.7	200.9	214.1	210.0	213.6	220.1	224.7	221.2	196.9	186.2	180.2
60°	148.8	163.0	166.0	159.4	156.4	168.0	178.6	174.1	153.3	146.8	139.7
62.5°	108.8	125.0	127.0	118.4	114.9	127.5	136.6	132.1	109.3	102.2	96.7
65°	87.0	102.2	106.3	98.2	96.2	105.8	111.3	100.2	84.0	76.4	70.3
67.5°	57.2	69.3	80.0	79.5	75.4	78.4	74.4	65.3	53.6	49.6	45.5
70°	35.4	42.5	49.1	51.6	51.1	50.1	44.5	38.0	34.4	32.9	30.9
72.5°	27.3	34.4	39.5	41.0	41.5	40.0	35.4	29.4	25.8	23.8	22.3
75°	20.2	25.8	29.9	31.9	32.9	31.9	27.3	23.3	19.7	18.2	16.7
77.5°	7.1	8.6	10.6	11.6	11.1	10.6	9.6	9.6	7.6	7.1	6.1
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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CATALOG NUMBER: GWS-SA2B-750-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	661.9	661.9	661.9	661.9	661.9	661.9	661.9	661.9	661.9	661.9
2.5°	598.7	607.8	624.5	639.7	655.9	672.6	690.8	709.5	718.1	717.1
5°	541.5	561.2	588.6	618.4	651.8	687.7	727.7	768.7	786.4	794.0
7.5°	505.6	533.4	569.3	607.3	651.3	702.4	762.6	826.9	852.7	861.3
10°	510.1	542.5	572.4	609.3	656.4	722.7	797.6	874.0	904.3	914.0
12.5°	547.1	554.1	562.2	592.6	651.8	737.8	829.4	920.5	955.4	965.1
15°	580.5	547.6	532.4	560.2	635.6	748.5	861.8	970.6	1009.1	1020.2
17.5°	582.0	532.4	498.5	520.2	609.3	753.0	893.7	1021.7	1063.7	1074.4
20°	563.2	515.7	472.2	472.7	573.4	752.0	920.0	1067.8	1114.9	1124.5
22.5°	535.9	495.9	450.9	435.2	534.9	750.0	948.9	1116.9	1168.0	1177.1
25°	505.6	470.6	430.7	406.9	496.4	752.0	989.4	1181.2	1237.3	1245.9
27.5°	472.7	442.8	415.0	395.7	464.1	759.6	1037.9	1263.1	1329.9	1339.0
30°	438.3	416.0	404.9	393.2	443.8	761.6	1090.6	1358.8	1443.3	1455.9
32.5°	404.3	392.2	392.7	394.7	424.6	747.5	1138.6	1465.1	1577.9	1598.2
35°	373.0	369.4	379.5	389.7	396.8	711.0	1180.6	1590.6	1744.4	1765.2
37.5°	346.1	349.2	361.8	372.0	366.4	659.4	1236.3	1747.4	1930.6	1948.3
40°	320.3	327.9	342.6	347.2	343.1	599.2	1303.1	1898.8	2092.1	2116.4
42.5°	296.6	302.1	322.9	323.9	336.5	537.9	1367.4	2061.7	2277.8	2290.4
45°	277.3	276.3	297.6	304.1	345.1	470.1	1430.1	2278.8	2520.7	2538.9
47.5°	258.6	257.6	262.6	292.5	348.7	407.4	1492.4	2596.6	2872.9	2904.3
50°	240.9	242.4	226.7	286.9	329.4	359.3	1520.7	2890.6	3193.3	3206.4
52.5°	225.2	219.6	192.3	268.7	288.5	313.8	1440.3	3024.2	3391.6	3429.1
55°	202.9	172.1	158.4	218.1	227.7	273.8	1179.6	2946.8	3408.9	3475.1
57.5°	173.6	135.1	134.6	160.9	160.9	254.0	755.6	2517.7	2937.7	3054.1
60°	133.6	104.8	111.3	111.8	103.2	185.2	424.1	1823.9	2172.0	2287.9
62.5°	95.1	80.0	84.0	66.8	59.2	92.6	203.4	1050.1	1340.6	1356.8
65°	63.8	54.1	44.0	36.9	36.4	39.5	84.0	379.5	461.5	520.7
67.5°	42.0	32.9	23.3	23.3	26.3	26.3	31.9	62.8	88.1	80.5
70°	27.3	22.8	14.7	14.2	17.2	17.2	16.2	17.2	18.2	18.2
72.5°	20.2	17.2	8.6	7.6	9.6	10.1	9.1	8.6	8.6	8.6
75°	15.2	12.1	5.1	3.5	4.6	6.1	5.1	3.5	3.5	3.0
77.5°	6.1	4.6	2.0	1.5	2.5	3.5	3.0	1.5	1.0	1.0
80°	0.5	1.0	1.0	1.0	1.5	2.0	2.5	1.0	0.5	0.5
82.5°	0.0	0.5	0.5	0.5	1.0	1.5	2.0	1.0	0.5	0.5
85°	0.0	0.0	0.0	0.0	1.0	1.5	1.0	0.5	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.5	1.5	1.0	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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