

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: P631879

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631879
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-750-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT 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: 3785.4 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

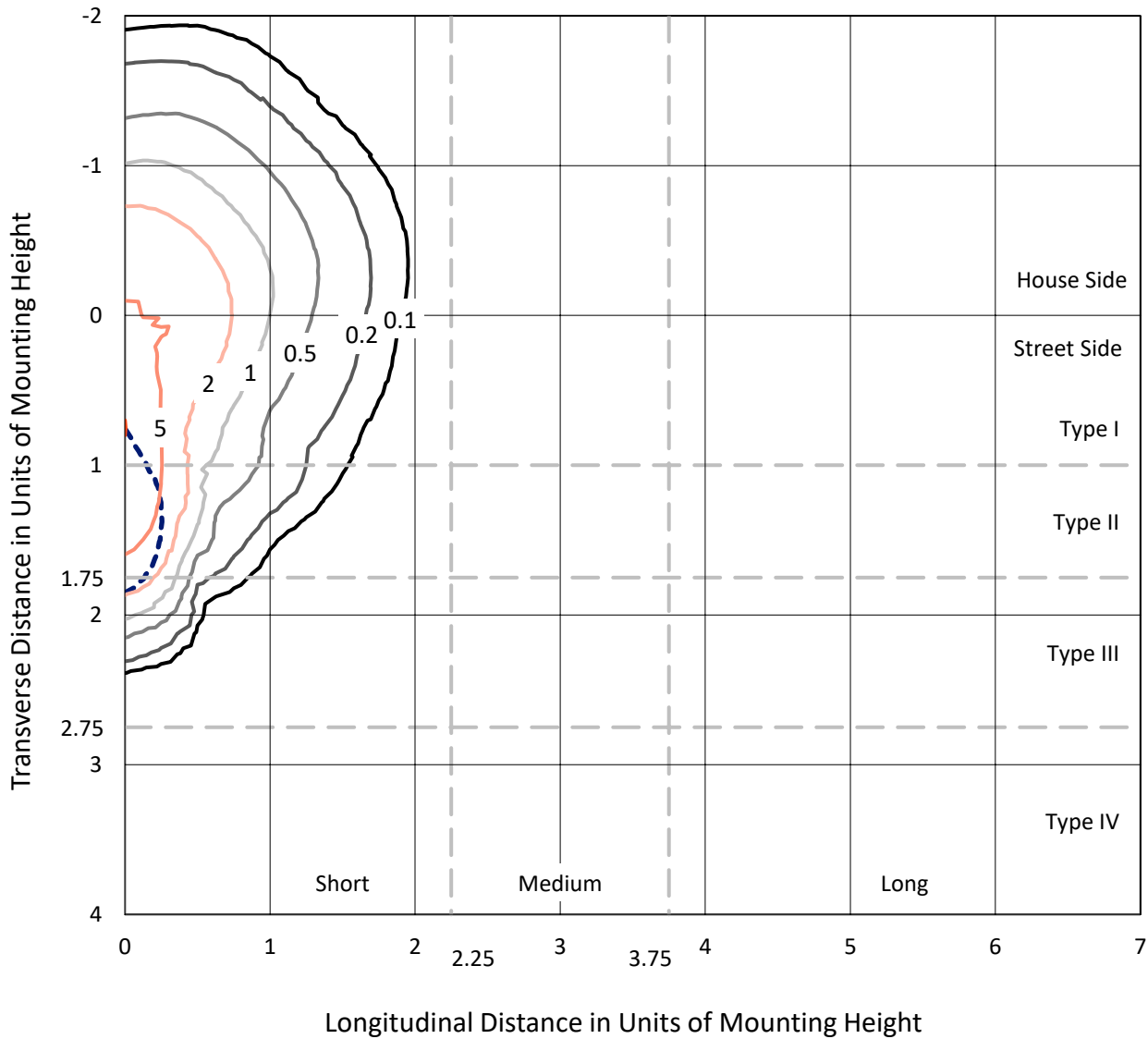
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

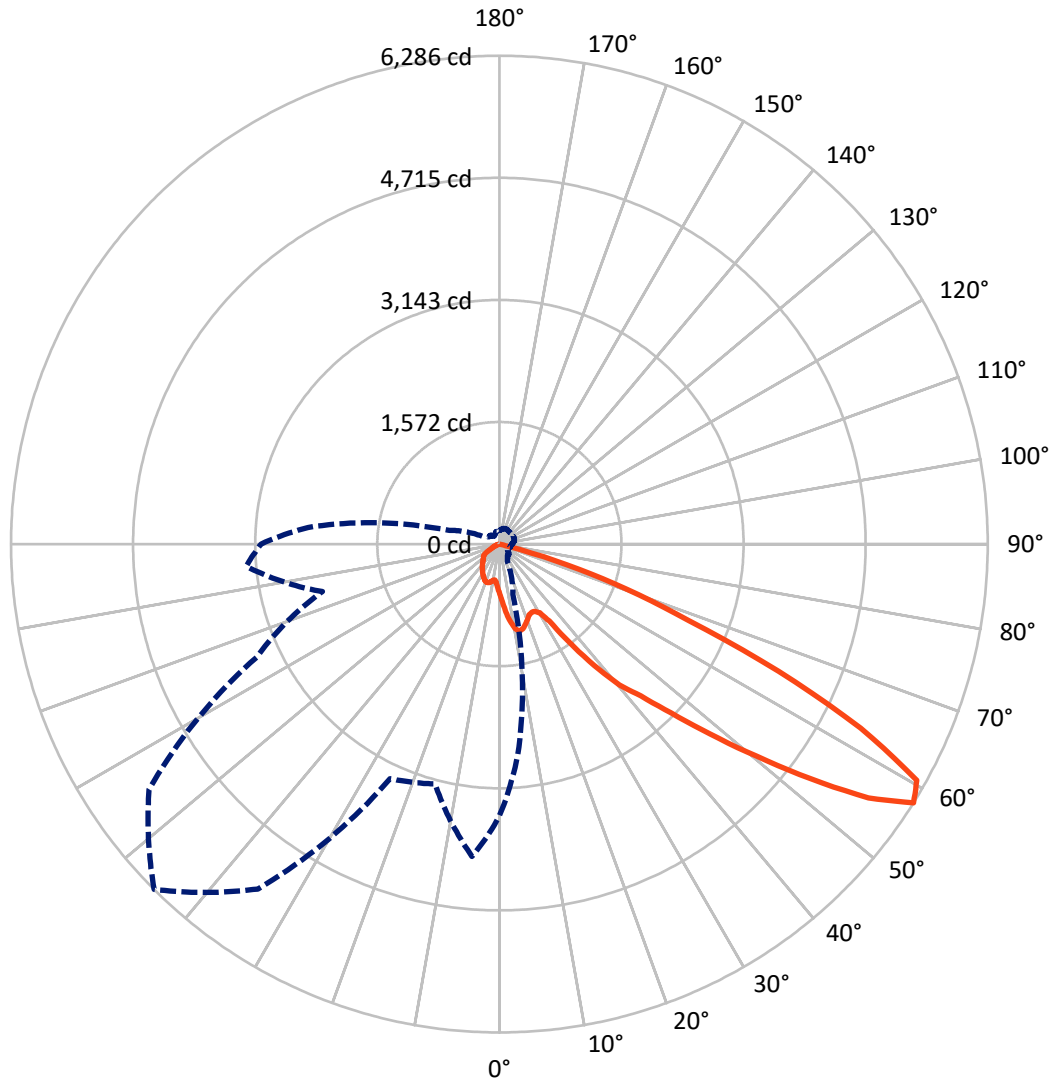
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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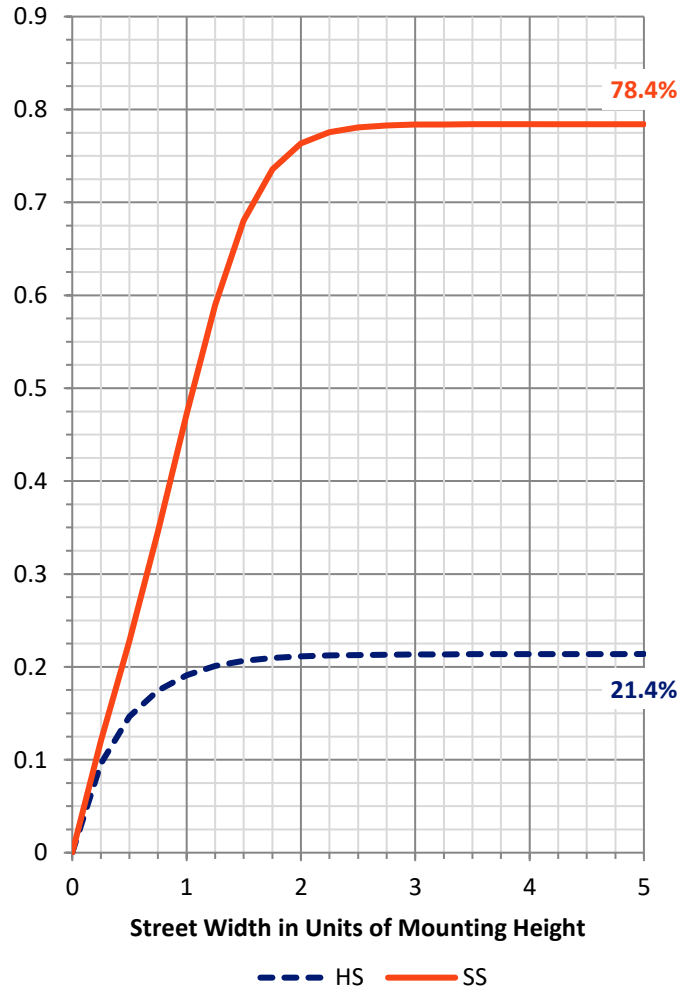
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	815.5	0.0	815.5
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	2969.9	0.0	2969.9
	% Fixture	78.5	0.0	78.5
Total	Lumens	3785.4	0.0	3785.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.6	1.7
10°-20°	209.2	5.5
20°-30°	339.5	9.0
30°-40°	521.0	13.8
40°-50°	832.1	22.0
50°-60°	1165.1	30.8
60°-70°	597.4	15.8
70°-80°	57.5	1.5
80°-90°	0.0	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°	3785.4	100.0
0°-180°	3785.4	100.0

Coefficient of Utilization



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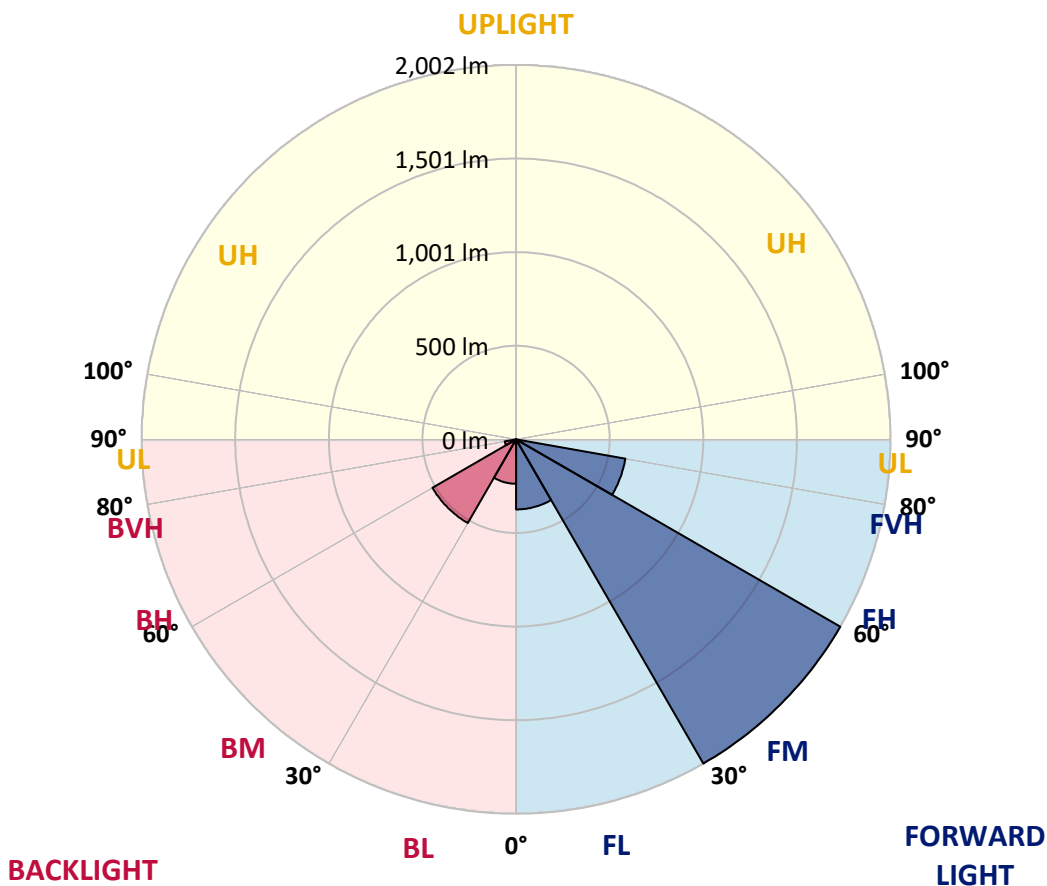
CATALOG NUMBER: GWS-SA2B-750-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	374.8	9.9			
FM (30°-60°)	2001.8	52.9			
FH (60°-80°)	593.3	15.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	237.5	6.3	B1/500		
BM (30°-60°)	516.5	13.6	B1/1000		
BH (60°-80°)	61.6	1.6	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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CATALOG NUMBER: GWS-SA2B-750-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	643.2	643.2	643.2	643.2	643.2	643.2	643.2	643.2	643.2	643.2	643.2
2.5°	714.5	713.0	708.0	690.8	680.1	663.4	651.3	635.6	618.4	607.8	597.1
5°	790.5	786.4	772.7	733.3	702.9	670.0	643.7	614.9	584.0	563.7	545.0
7.5°	863.3	857.3	839.0	772.2	726.2	679.1	641.7	599.7	556.2	525.8	502.5
10°	934.7	921.0	892.2	810.2	747.9	691.3	647.2	599.2	548.1	509.6	483.8
12.5°	993.4	983.3	943.8	846.1	766.2	693.8	639.7	595.1	560.7	534.9	511.1
15°	1044.0	1032.9	995.4	878.5	781.9	683.7	607.8	568.8	574.4	584.5	564.3
17.5°	1090.5	1078.9	1038.4	905.3	787.9	658.9	563.2	544.5	575.4	613.3	605.7
20°	1138.6	1125.5	1075.9	927.1	785.9	619.9	518.2	523.8	567.3	610.8	614.9
22.5°	1194.8	1181.1	1123.4	954.9	784.4	573.4	479.2	505.5	552.1	589.0	596.1
25°	1269.2	1253.0	1189.7	995.9	788.4	530.9	451.4	487.8	526.3	559.7	563.7
27.5°	1367.4	1346.6	1266.1	1046.5	797.0	497.5	439.3	463.5	493.4	523.3	526.8
30°	1495.4	1469.1	1353.7	1090.5	793.0	474.2	431.2	439.3	457.0	481.3	481.8
32.5°	1645.2	1609.3	1451.9	1128.5	758.1	457.0	420.0	414.5	418.5	437.2	440.8
35°	1821.3	1774.7	1560.2	1164.4	694.3	423.6	399.8	381.1	379.5	388.7	397.3
37.5°	2023.2	1967.5	1696.8	1210.5	618.9	388.7	369.9	351.2	343.1	347.7	360.8
40°	2209.4	2147.7	1839.5	1266.1	542.0	357.3	335.0	315.8	306.2	307.7	323.9
42.5°	2428.1	2364.3	2014.1	1339.0	478.2	336.0	298.6	278.8	266.2	273.3	292.0
45°	2760.0	2687.7	2268.6	1402.3	427.6	331.0	266.7	238.9	232.8	244.9	267.2
47.5°	3213.4	3124.9	2618.3	1440.7	384.6	335.5	244.4	206.5	208.0	221.7	243.9
50°	3663.3	3567.7	3022.7	1390.1	349.2	326.4	233.3	181.2	190.8	202.9	223.2
52.5°	3972.5	3848.0	3219.5	1243.9	316.8	292.0	232.3	157.4	175.6	179.6	196.9
55°	3984.7	3831.3	3118.8	980.7	272.8	246.4	221.7	137.6	158.9	160.4	175.1
57.5°	3492.8	3354.1	2725.6	673.6	242.4	180.7	176.6	120.4	130.6	143.2	152.3
60°	2657.3	2539.4	2038.4	308.7	184.2	114.9	120.9	103.7	97.7	116.4	125.5
62.5°	1627.5	1552.1	1222.6	136.6	117.4	61.2	73.4	82.5	73.4	80.5	88.1
65°	646.2	612.8	464.1	58.2	48.1	30.9	33.4	48.1	51.6	56.7	63.8
67.5°	112.3	106.3	77.9	25.8	19.7	18.7	16.2	22.3	31.4	34.9	40.5
70°	14.7	14.2	12.7	10.6	10.1	9.1	7.1	14.2	21.3	22.3	25.8
72.5°	3.5	3.0	3.0	2.5	3.0	1.0	1.0	7.6	15.2	15.7	18.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	9.6	10.6	12.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
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-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	643.2	643.2	643.2	643.2	643.2	643.2	643.2	643.2	643.2	643.2	643.2
2.5°	588.5	578.4	574.9	569.8	563.2	565.3	556.2	553.1	557.7	563.7	562.2
5°	534.9	523.8	516.2	504.5	502.5	498.0	494.9	490.9	495.9	503.0	504.5
7.5°	492.4	482.8	475.2	471.6	469.1	467.1	461.0	458.0	458.0	461.0	463.5
10°	474.2	467.1	465.6	466.6	470.6	470.1	464.6	460.5	455.4	452.9	456.0
12.5°	499.5	487.8	485.8	486.3	491.4	490.9	484.8	479.7	478.7	479.7	489.4
15°	542.5	524.8	511.6	509.1	511.6	510.6	506.1	503.0	504.5	519.2	535.4
17.5°	581.0	553.6	529.8	520.7	520.2	518.7	514.2	513.1	520.7	548.1	571.8
20°	592.1	565.3	531.4	519.7	517.2	515.7	510.6	512.1	521.7	554.6	574.9
22.5°	577.4	551.6	516.2	504.5	502.5	502.0	496.9	499.0	507.1	535.9	552.6
25°	549.6	527.8	490.9	480.8	480.8	479.7	475.2	476.2	481.3	506.6	522.8
27.5°	515.7	494.9	464.1	453.9	455.4	457.0	451.4	449.9	453.9	477.7	487.3
30°	476.7	462.0	437.7	428.6	428.1	434.2	426.6	424.6	430.1	448.9	450.9
32.5°	438.7	431.7	414.5	407.4	407.9	408.9	404.8	404.8	409.9	420.0	419.5
35°	401.8	397.3	394.2	389.2	388.7	386.6	386.6	387.6	393.2	396.7	390.2
37.5°	366.4	370.9	374.5	369.4	365.4	365.4	365.4	369.9	375.0	373.5	362.3
40°	335.0	344.6	355.8	350.2	340.6	340.1	342.1	349.7	357.3	348.2	338.0
42.5°	308.2	320.3	336.0	333.0	322.4	320.8	322.4	332.0	338.0	326.4	315.3
45°	281.9	297.1	315.8	315.8	304.1	302.6	303.1	315.8	319.3	305.7	291.5
47.5°	259.6	276.3	296.0	296.0	286.4	283.4	285.9	299.1	301.6	282.4	269.2
50°	238.4	256.6	278.3	276.8	270.2	267.7	272.3	286.4	283.4	262.1	248.5
52.5°	211.5	230.8	260.6	262.1	258.6	259.1	264.7	273.8	265.2	239.4	227.7
55°	187.2	207.0	236.8	244.9	244.9	244.4	247.0	254.0	247.0	216.1	201.9
57.5°	160.9	177.6	202.4	204.4	206.0	200.4	203.9	213.6	210.0	183.7	175.6
60°	132.1	146.2	160.4	161.9	155.4	143.7	150.3	161.4	164.0	144.2	135.1
62.5°	93.6	107.3	124.0	124.0	117.4	105.8	114.4	124.0	120.4	100.2	94.6
65°	69.8	82.5	95.1	100.7	95.1	87.0	93.6	100.7	95.1	78.4	70.3
67.5°	45.0	53.6	61.2	65.8	66.8	65.8	68.8	66.8	60.2	49.1	44.5
70°	27.3	31.9	35.9	40.0	43.0	44.5	46.1	41.5	34.9	28.8	27.3
72.5°	19.7	23.8	27.3	30.4	33.9	34.9	34.9	31.9	25.8	20.2	18.7
75°	13.7	17.2	20.2	22.3	25.3	26.3	26.3	23.8	19.2	14.7	13.2
77.5°	0.5	3.5	3.5	3.0	4.0	5.1	5.1	6.1	5.6	4.0	3.5
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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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	643.2	643.2	643.2	643.2	643.2	643.2	643.2	643.2	643.2	643.2	643.2
2.5°	565.3	583.5	588.5	607.3	624.0	640.7	660.9	673.1	691.3	703.9	711.0
5°	509.6	524.8	543.0	570.8	599.7	631.6	670.0	703.4	745.4	776.3	786.4
7.5°	469.1	488.8	510.1	545.0	584.5	627.0	681.1	735.8	800.1	842.1	868.9
10°	461.5	481.8	510.1	544.5	586.0	634.6	700.9	771.7	852.2	903.3	933.7
12.5°	498.0	519.7	531.9	547.6	578.9	633.1	718.1	808.2	902.8	958.5	990.9
15°	551.6	570.8	551.1	531.4	551.6	616.9	727.7	838.5	947.3	1011.6	1045.0
17.5°	588.5	590.1	547.0	505.0	510.6	587.5	731.2	868.9	994.9	1062.2	1097.1
20°	585.0	572.9	529.3	482.8	465.6	549.6	727.2	895.7	1043.0	1113.3	1147.7
22.5°	557.7	543.5	506.6	461.0	427.6	504.5	720.1	920.0	1087.0	1167.0	1199.3
25°	524.8	509.6	479.2	439.3	403.3	461.0	714.5	953.4	1142.7	1236.8	1262.1
27.5°	486.3	473.2	447.4	418.5	393.2	428.1	713.0	997.4	1210.0	1321.8	1339.5
30°	448.9	436.7	416.5	399.8	389.2	408.9	708.0	1044.5	1290.4	1419.5	1438.7
32.5°	412.9	400.8	388.1	385.6	386.1	401.8	690.8	1091.1	1386.1	1561.2	1575.3
35°	382.1	367.9	362.8	368.9	380.0	389.7	642.2	1129.5	1488.8	1715.5	1727.2
37.5°	352.7	338.6	338.0	352.7	364.9	370.9	585.0	1167.5	1627.5	1872.4	1887.1
40°	325.9	311.7	316.8	334.5	344.1	347.2	515.7	1225.2	1774.2	2037.9	2029.8
42.5°	303.1	288.5	291.5	314.3	322.9	331.0	451.9	1273.2	1915.4	2194.8	2192.2
45°	280.9	269.7	267.7	292.5	300.1	332.5	405.3	1310.2	2097.1	2394.7	2398.7
47.5°	259.1	250.5	251.0	261.6	280.4	340.1	365.9	1334.5	2360.7	2711.4	2641.1
50°	239.4	232.8	238.4	226.2	267.7	330.5	332.0	1329.4	2655.3	3015.1	2873.9
52.5°	217.6	216.1	218.6	189.3	247.5	291.5	300.1	1262.1	2793.4	3222.6	3142.1
55°	195.3	194.8	174.6	151.3	207.0	232.8	257.1	1053.1	2788.9	3332.9	3430.5
57.5°	169.0	165.0	132.6	123.5	160.9	161.9	234.3	689.8	2471.6	3068.7	3271.1
60°	128.0	125.0	97.2	100.2	112.3	103.7	186.7	343.6	1847.1	2390.6	2618.8
62.5°	88.6	84.5	72.4	77.4	72.4	59.2	114.4	170.0	1118.9	1509.6	1716.5
65°	64.8	60.2	49.6	42.5	33.9	33.9	43.5	65.3	433.2	641.7	773.8
67.5°	40.0	38.0	29.4	21.3	20.7	22.3	22.8	32.4	69.8	111.3	136.1
70°	25.8	23.8	19.7	13.7	12.7	13.2	13.7	15.2	17.7	19.2	23.3
72.5°	17.7	16.7	14.2	7.6	6.1	6.6	7.1	7.1	8.6	8.1	9.6
75°	12.7	11.6	10.1	3.5	2.0	2.5	3.0	2.5	3.0	2.0	2.5
77.5°	3.5	3.5	2.5	0.5	0.0	0.5	1.0	1.0	0.5	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	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-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	643.2	643.2	643.2	643.2	643.2	643.2	643.2	643.2	643.2	643.2
2.5°	729.2	740.9	745.4	738.8	744.4	735.3	731.8	718.1	717.1	714.5
5°	827.4	853.7	869.4	879.0	867.9	855.7	837.5	806.1	796.5	790.5
7.5°	924.1	965.0	991.9	1004.5	1001.5	976.7	943.8	891.2	872.4	863.3
10°	1008.1	1058.2	1090.5	1106.2	1099.7	1077.9	1030.8	965.0	940.2	934.7
12.5°	1066.8	1112.8	1135.1	1148.7	1149.3	1140.6	1096.1	1029.8	1000.5	993.4
15°	1103.7	1123.4	1123.9	1132.0	1146.2	1165.4	1144.7	1086.0	1054.6	1044.0
17.5°	1127.0	1105.2	1083.0	1085.0	1108.3	1159.4	1180.6	1135.6	1102.2	1090.5
20°	1143.7	1074.9	1033.4	1033.9	1057.7	1135.1	1205.4	1183.7	1149.3	1138.6
22.5°	1154.3	1048.0	988.8	987.3	1012.6	1106.2	1228.2	1240.8	1206.9	1194.8
25°	1176.1	1035.4	962.0	970.6	992.9	1097.1	1259.1	1316.8	1285.4	1269.2
27.5°	1215.0	1048.0	959.5	979.2	1004.5	1123.9	1312.7	1418.0	1385.6	1367.4
30°	1282.3	1095.6	998.4	1025.8	1056.1	1194.3	1402.8	1559.2	1512.6	1495.4
32.5°	1390.6	1194.3	1118.9	1177.6	1206.9	1309.7	1537.9	1717.5	1679.6	1645.2
35°	1539.9	1419.5	1410.9	1547.5	1540.4	1528.3	1703.9	1911.9	1854.7	1821.3
37.5°	1745.4	1781.8	1845.6	1981.2	1976.6	1884.0	1922.0	2095.6	2066.2	2023.2
40°	2002.0	2079.4	2187.7	2382.0	2321.3	2204.9	2189.7	2283.8	2260.0	2209.4
42.5°	2153.3	2286.9	2493.3	2667.9	2619.3	2415.9	2398.7	2535.3	2483.2	2428.1
45°	2223.6	2455.9	2860.7	3097.1	2949.8	2556.1	2549.5	2863.3	2833.9	2760.0
47.5°	2256.0	2626.4	3290.9	3648.7	3373.4	2679.1	2655.3	3338.9	3300.5	3213.4
50°	2291.9	2861.7	3809.1	4287.8	3885.0	2818.2	2835.4	3782.3	3766.1	3663.3
52.5°	2370.9	3110.7	4447.2	5018.5	4505.4	3036.3	3144.6	4200.3	4090.9	3972.5
55°	2489.3	3382.0	5111.2	5765.0	5138.5	3329.3	3479.1	4422.4	4115.7	3984.7
57.5°	2358.2	3449.8	5504.4	6286.2	5419.3	3330.3	3196.2	4037.3	3619.8	3492.8
60°	1871.4	3209.4	5353.0	6173.4	5180.0	2957.4	2447.3	3152.2	2742.3	2657.3
62.5°	1265.1	2691.7	4712.4	5221.0	4433.5	2326.3	1590.5	2050.0	1697.8	1627.5
65°	693.3	2008.0	3807.6	3949.8	3470.0	1624.9	818.3	889.6	677.6	646.2
67.5°	191.3	1397.7	2801.5	2620.4	2434.6	1058.2	211.5	158.9	113.4	112.3
70°	48.1	924.6	1678.6	1730.2	1492.9	677.6	40.5	19.2	15.2	14.7
72.5°	20.2	397.8	796.5	915.5	764.1	313.8	14.7	5.6	4.6	3.5
75°	2.5	31.9	67.8	102.7	70.3	33.9	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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
85°	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
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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