

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: P629406

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629406
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-SA1B-750-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1965.9 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

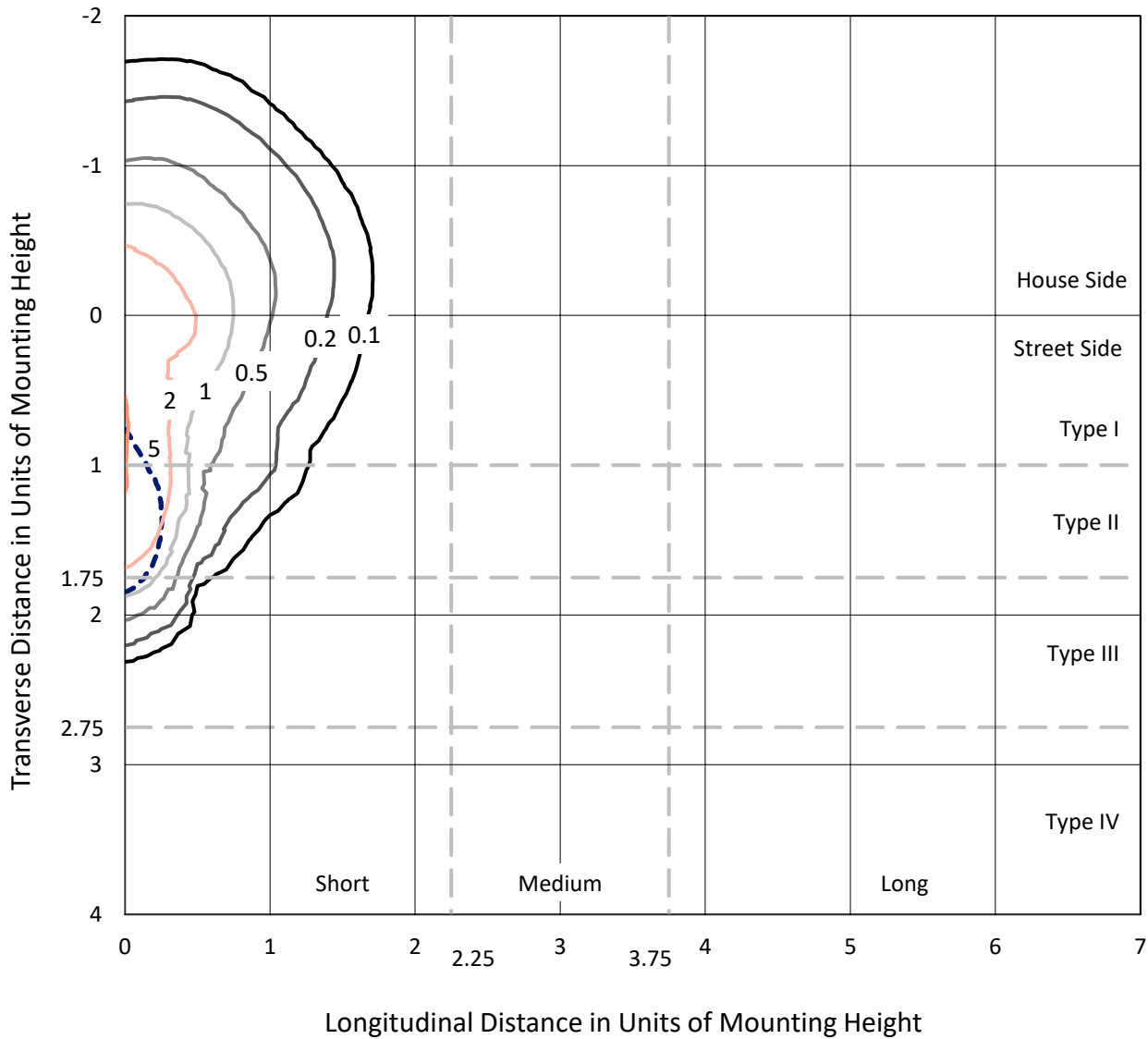
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

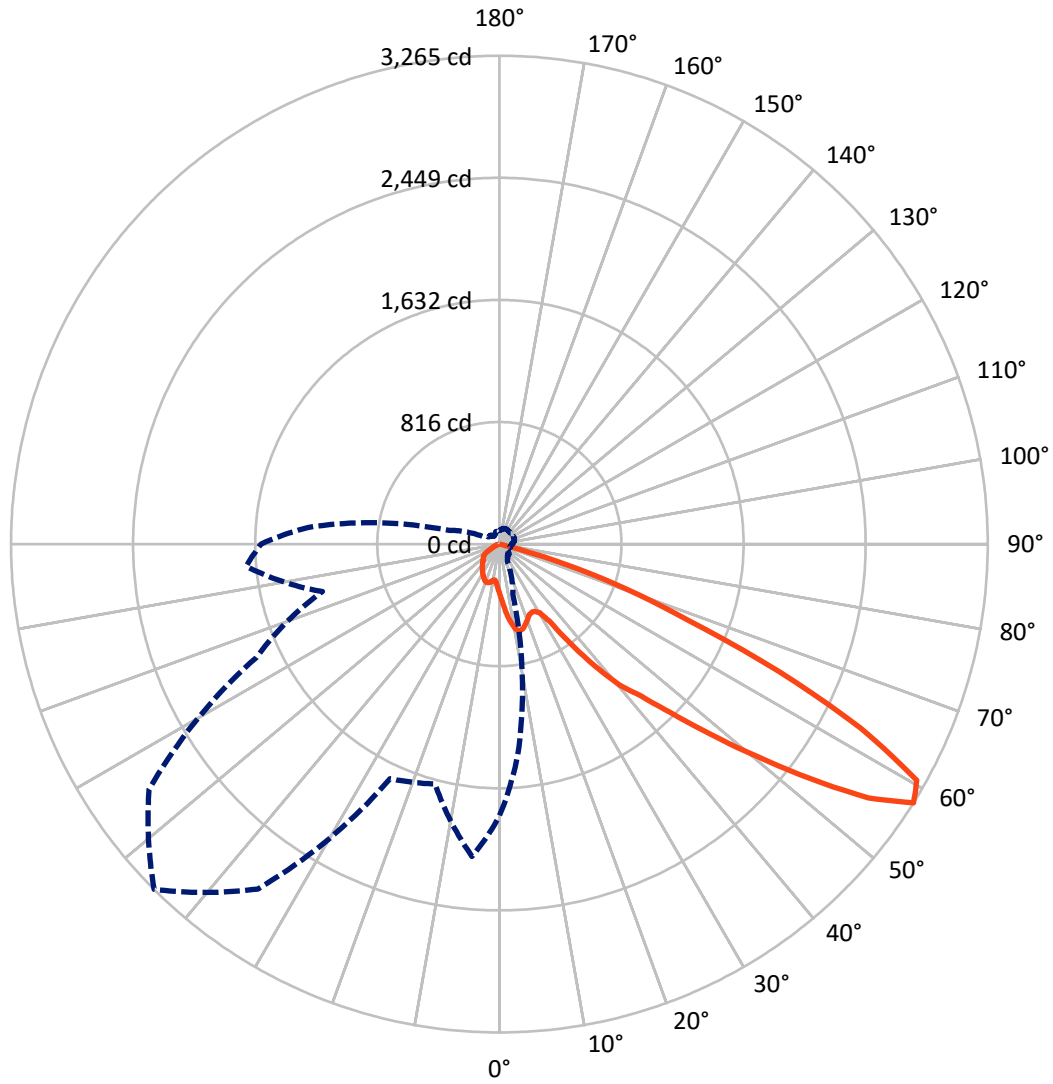
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 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	423.5	0.0	423.5
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	1542.4	0.0	1542.4
	% Fixture	78.5	0.0	78.5
Total	Lumens	1965.9	0.0	1965.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.0	1.7
10°-20°	108.6	5.5
20°-30°	176.3	9.0
30°-40°	270.6	13.8
40°-50°	432.1	22.0
50°-60°	605.1	30.8
60°-70°	310.2	15.8
70°-80°	29.9	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°	1965.9	100.0
0°-180°	1965.9	100.0

Coefficient of Utilization



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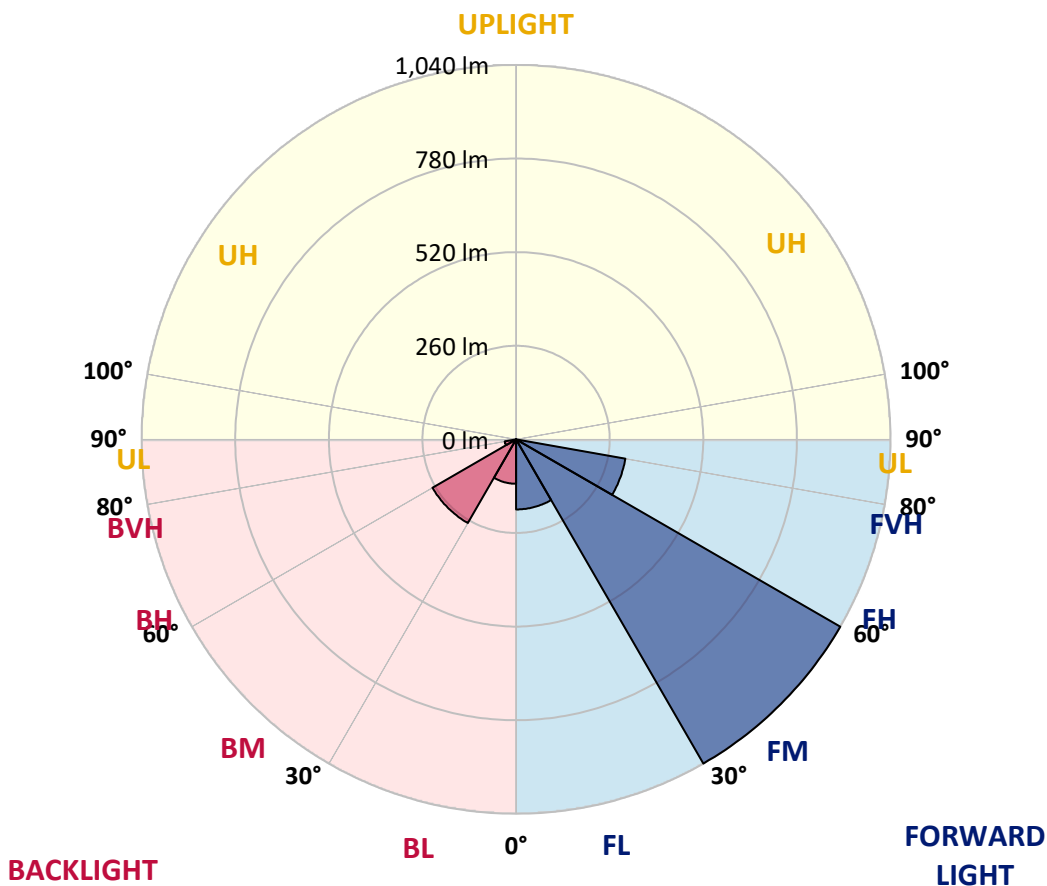
CATALOG NUMBER: GWS-SA1B-750-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	194.6	9.9			
FM (30°-60°)	1039.6	52.9			
FH (60°-80°)	308.1	15.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	123.3	6.3	B1/500		
BM (30°-60°)	268.2	13.6	B1/1000		
BH (60°-80°)	32.0	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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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	334.0	334.0	334.0	334.0	334.0	334.0	334.0	334.0	334.0	334.0	334.0
2.5°	371.1	370.3	367.7	358.7	353.2	344.5	338.2	330.1	321.2	315.6	310.1
5°	410.5	408.4	401.3	380.8	365.0	348.0	334.3	319.3	303.3	292.8	283.0
7.5°	448.4	445.2	435.7	401.1	377.1	352.7	333.2	311.4	288.8	273.1	261.0
10°	485.4	478.3	463.3	420.8	388.4	359.0	336.1	311.2	284.6	264.7	251.2
12.5°	515.9	510.6	490.1	439.4	397.9	360.3	332.2	309.1	291.2	277.8	265.4
15°	542.2	536.4	517.0	456.2	406.0	355.1	315.6	295.4	298.3	303.5	293.0
17.5°	566.4	560.3	539.3	470.2	409.2	342.2	292.5	282.8	298.8	318.5	314.6
20°	591.3	584.5	558.7	481.5	408.1	321.9	269.1	272.0	294.6	317.2	319.3
22.5°	620.5	613.4	583.4	495.9	407.4	297.8	248.9	262.6	286.7	305.9	309.6
25°	659.1	650.7	617.9	517.2	409.5	275.7	234.4	253.4	273.3	290.7	292.8
27.5°	710.1	699.3	657.6	543.5	413.9	258.3	228.1	240.7	256.2	271.7	273.6
30°	776.6	762.9	703.0	566.4	411.8	246.3	223.9	228.1	237.3	249.9	250.2
32.5°	854.4	835.7	754.0	586.1	393.7	237.3	218.1	215.2	217.3	227.1	228.9
35°	945.9	921.7	810.3	604.7	360.6	220.0	207.6	197.9	197.1	201.8	206.3
37.5°	1050.7	1021.8	881.2	628.6	321.4	201.8	192.1	182.4	178.2	180.6	187.4
40°	1147.4	1115.4	955.3	657.6	281.5	185.5	174.0	164.0	159.0	159.8	168.2
42.5°	1261.0	1227.9	1046.0	695.4	248.4	174.5	155.1	144.8	138.2	141.9	151.6
45°	1433.4	1395.8	1178.2	728.3	222.1	171.9	138.5	124.0	120.9	127.2	138.8
47.5°	1668.9	1622.9	1359.8	748.2	199.7	174.2	126.9	107.2	108.0	115.1	126.7
50°	1902.5	1852.8	1569.8	721.9	181.3	169.5	121.2	94.1	99.1	105.4	115.9
52.5°	2063.1	1998.4	1672.0	646.0	164.5	151.6	120.6	81.7	91.2	93.3	102.2
55°	2069.4	1989.8	1619.7	509.3	141.7	128.0	115.1	71.5	82.5	83.3	90.9
57.5°	1813.9	1741.9	1415.5	349.8	125.9	93.8	91.7	62.5	67.8	74.4	79.1
60°	1380.0	1318.8	1058.6	160.3	95.7	59.7	62.8	53.9	50.7	60.4	65.2
62.5°	845.2	806.0	635.0	71.0	61.0	31.8	38.1	42.8	38.1	41.8	45.7
65°	335.6	318.3	241.0	30.2	25.0	16.0	17.3	25.0	26.8	29.4	33.1
67.5°	58.3	55.2	40.5	13.4	10.2	9.7	8.4	11.6	16.3	18.1	21.0
70°	7.6	7.4	6.6	5.5	5.3	4.7	3.7	7.4	11.0	11.6	13.4
72.5°	1.8	1.6	1.6	1.3	1.6	0.5	0.5	3.9	7.9	8.1	9.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	5.0	5.5	6.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	334.0	334.0	334.0	334.0	334.0	334.0	334.0	334.0	334.0	334.0	334.0
2.5°	305.7	300.4	298.6	295.9	292.5	293.6	288.8	287.3	289.6	292.8	292.0
5°	277.8	272.0	268.1	262.0	261.0	258.6	257.0	254.9	257.6	261.2	262.0
7.5°	255.7	250.7	246.8	244.9	243.6	242.6	239.4	237.8	237.8	239.4	240.7
10°	246.3	242.6	241.8	242.3	244.4	244.2	241.3	239.2	236.5	235.2	236.8
12.5°	259.4	253.4	252.3	252.6	255.2	254.9	251.8	249.1	248.6	249.1	254.1
15°	281.7	272.5	265.7	264.4	265.7	265.2	262.8	261.2	262.0	269.6	278.1
17.5°	301.7	287.5	275.2	270.4	270.2	269.4	267.0	266.5	270.4	284.6	297.0
20°	307.5	293.6	276.0	269.9	268.6	267.8	265.2	266.0	271.0	288.0	298.6
22.5°	299.9	286.5	268.1	262.0	261.0	260.7	258.1	259.1	263.3	278.3	287.0
25°	285.4	274.1	254.9	249.7	249.7	249.1	246.8	247.3	249.9	263.1	271.5
27.5°	267.8	257.0	241.0	235.7	236.5	237.3	234.4	233.6	235.7	248.1	253.1
30°	247.6	239.9	227.3	222.6	222.3	225.5	221.6	220.5	223.4	233.1	234.2
32.5°	227.9	224.2	215.2	211.6	211.8	212.4	210.3	210.3	212.9	218.1	217.9
35°	208.7	206.3	204.7	202.1	201.8	200.8	200.8	201.3	204.2	206.0	202.6
37.5°	190.3	192.6	194.5	191.9	189.8	189.8	189.8	192.1	194.7	194.0	188.2
40°	174.0	179.0	184.8	181.9	176.9	176.6	177.7	181.6	185.5	180.8	175.6
42.5°	160.1	166.4	174.5	172.9	167.4	166.6	167.4	172.4	175.6	169.5	163.7
45°	146.4	154.3	164.0	164.0	158.0	157.2	157.4	164.0	165.8	158.7	151.4
47.5°	134.8	143.5	153.7	153.7	148.8	147.2	148.5	155.3	156.6	146.6	139.8
50°	123.8	133.2	144.5	143.8	140.3	139.0	141.4	148.8	147.2	136.1	129.0
52.5°	109.9	119.8	135.3	136.1	134.3	134.6	137.5	142.2	137.7	124.3	118.3
55°	97.2	107.5	123.0	127.2	127.2	126.9	128.3	131.9	128.3	112.2	104.9
57.5°	83.6	92.2	105.1	106.2	107.0	104.1	105.9	110.9	109.1	95.4	91.2
60°	68.6	76.0	83.3	84.1	80.7	74.6	78.1	83.8	85.2	74.9	70.2
62.5°	48.6	55.7	64.4	64.4	61.0	54.9	59.4	64.4	62.5	52.0	49.1
65°	36.3	42.8	49.4	52.3	49.4	45.2	48.6	52.3	49.4	40.7	36.5
67.5°	23.4	27.9	31.8	34.2	34.7	34.2	35.7	34.7	31.3	25.5	23.1
70°	14.2	16.6	18.7	20.8	22.3	23.1	23.9	21.6	18.1	15.0	14.2
72.5°	10.2	12.4	14.2	15.8	17.6	18.1	18.1	16.6	13.4	10.5	9.7
75°	7.1	8.9	10.5	11.6	13.1	13.7	13.7	12.4	10.0	7.6	6.8
77.5°	0.3	1.8	1.8	1.6	2.1	2.6	2.6	3.2	2.9	2.1	1.8
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°	334.0	334.0	334.0	334.0	334.0	334.0	334.0	334.0	334.0	334.0	334.0
2.5°	293.6	303.0	305.7	315.4	324.0	332.7	343.2	349.5	359.0	365.6	369.3
5°	264.7	272.5	282.0	296.5	311.4	328.0	348.0	365.3	387.1	403.2	408.4
7.5°	243.6	253.9	264.9	283.0	303.5	325.6	353.7	382.1	415.5	437.3	451.3
10°	239.7	250.2	264.9	282.8	304.3	329.6	364.0	400.8	442.6	469.1	484.9
12.5°	258.6	269.9	276.2	284.4	300.7	328.8	372.9	419.7	468.9	497.8	514.6
15°	286.5	296.5	286.2	276.0	286.5	320.4	377.9	435.5	492.0	525.4	542.7
17.5°	305.7	306.4	284.1	262.3	265.2	305.1	379.8	451.3	516.7	551.6	569.8
20°	303.8	297.5	274.9	250.7	241.8	285.4	377.7	465.2	541.7	578.2	596.1
22.5°	289.6	282.3	263.1	239.4	222.1	262.0	374.0	477.8	564.5	606.0	622.9
25°	272.5	264.7	248.9	228.1	209.5	239.4	371.1	495.1	593.4	642.3	655.5
27.5°	252.6	245.7	232.3	217.3	204.2	222.3	370.3	518.0	628.4	686.5	695.7
30°	233.1	226.8	216.3	207.6	202.1	212.4	367.7	542.4	670.2	737.2	747.2
32.5°	214.5	208.1	201.6	200.3	200.5	208.7	358.7	566.6	719.8	810.8	818.1
35°	198.4	191.1	188.4	191.6	197.4	202.4	333.5	586.6	773.2	890.9	897.0
37.5°	183.2	175.8	175.6	183.2	189.5	192.6	303.8	606.3	845.2	972.4	980.0
40°	169.3	161.9	164.5	173.7	178.7	180.3	267.8	636.3	921.4	1058.3	1054.1
42.5°	157.4	149.8	151.4	163.2	167.7	171.9	234.7	661.2	994.7	1139.8	1138.5
45°	145.9	140.1	139.0	151.9	155.8	172.7	210.5	680.4	1089.1	1243.6	1245.7
47.5°	134.6	130.1	130.4	135.9	145.6	176.6	190.0	693.0	1226.0	1408.2	1371.6
50°	124.3	120.9	123.8	117.5	139.0	171.6	172.4	690.4	1379.0	1565.8	1492.5
52.5°	113.0	112.2	113.5	98.3	128.5	151.4	155.8	655.5	1450.7	1673.6	1631.8
55°	101.4	101.2	90.7	78.6	107.5	120.9	133.5	546.9	1448.4	1730.9	1781.6
57.5°	87.8	85.7	68.9	64.1	83.6	84.1	121.7	358.2	1283.6	1593.7	1698.8
60°	66.5	64.9	50.5	52.0	58.3	53.9	97.0	178.5	959.3	1241.5	1360.1
62.5°	46.0	43.9	37.6	40.2	37.6	30.7	59.4	88.3	581.1	784.0	891.5
65°	33.6	31.3	25.8	22.1	17.6	17.6	22.6	33.9	225.0	333.2	401.8
67.5°	20.8	19.7	15.2	11.0	10.8	11.6	11.8	16.8	36.3	57.8	70.7
70°	13.4	12.4	10.2	7.1	6.6	6.8	7.1	7.9	9.2	10.0	12.1
72.5°	9.2	8.7	7.4	3.9	3.2	3.4	3.7	3.7	4.5	4.2	5.0
75°	6.6	6.0	5.3	1.8	1.1	1.3	1.6	1.3	1.6	1.1	1.3
77.5°	1.8	1.8	1.3	0.3	0.0	0.3	0.5	0.5	0.3	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	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-SA1B-750-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	334.0	334.0	334.0	334.0	334.0	334.0	334.0	334.0	334.0	334.0
2.5°	378.7	384.8	387.1	383.7	386.6	381.9	380.0	372.9	372.4	371.1
5°	429.7	443.4	451.5	456.5	450.7	444.4	435.0	418.7	413.7	410.5
7.5°	479.9	501.2	515.1	521.7	520.1	507.2	490.1	462.8	453.1	448.4
10°	523.5	549.5	566.4	574.5	571.1	559.8	535.4	501.2	488.3	485.4
12.5°	554.0	577.9	589.5	596.6	596.8	592.4	569.3	534.8	519.6	515.9
15°	573.2	583.4	583.7	587.9	595.3	605.3	594.5	564.0	547.7	542.2
17.5°	585.3	574.0	562.4	563.5	575.6	602.1	613.1	589.8	572.4	566.4
20°	594.0	558.2	536.7	536.9	549.3	589.5	626.0	614.7	596.8	591.3
22.5°	599.5	544.3	513.5	512.7	525.9	574.5	637.8	644.4	626.8	620.5
25°	610.8	537.7	499.6	504.1	515.6	569.8	653.9	683.8	667.5	659.1
27.5°	631.0	544.3	498.3	508.5	521.7	583.7	681.7	736.4	719.6	710.1
30°	666.0	569.0	518.5	532.7	548.5	620.2	728.5	809.7	785.5	776.6
32.5°	722.2	620.2	581.1	611.6	626.8	680.2	798.7	892.0	872.3	854.4
35°	799.7	737.2	732.7	803.7	800.0	793.7	884.9	992.9	963.2	945.9
37.5°	906.4	925.4	958.5	1028.9	1026.5	978.5	998.2	1088.3	1073.1	1050.7
40°	1039.7	1079.9	1136.1	1237.1	1205.5	1145.1	1137.2	1186.1	1173.7	1147.4
42.5°	1118.3	1187.7	1294.9	1385.6	1360.3	1254.7	1245.7	1316.7	1289.6	1261.0
45°	1154.8	1275.4	1485.7	1608.4	1531.9	1327.5	1324.1	1487.0	1471.8	1433.4
47.5°	1171.6	1364.0	1709.1	1894.9	1751.9	1391.3	1379.0	1734.0	1714.1	1668.9
50°	1190.3	1486.2	1978.2	2226.8	2017.6	1463.6	1472.5	1964.3	1955.9	1902.5
52.5°	1231.3	1615.5	2309.6	2606.3	2339.8	1576.9	1633.1	2181.3	2124.6	2063.1
55°	1292.8	1756.4	2654.4	2994.0	2668.6	1729.0	1806.8	2296.7	2137.5	2069.4
57.5°	1224.7	1791.6	2858.6	3264.7	2814.5	1729.6	1659.9	2096.7	1879.9	1813.9
60°	971.9	1666.8	2780.0	3206.1	2690.2	1535.9	1271.0	1637.1	1424.2	1380.0
62.5°	657.0	1397.9	2447.3	2711.4	2302.5	1208.2	826.0	1064.7	881.7	845.2
65°	360.1	1042.8	1977.4	2051.3	1802.1	843.9	425.0	462.0	351.9	335.6
67.5°	99.3	725.9	1454.9	1360.8	1264.4	549.5	109.9	82.5	58.9	58.3
70°	25.0	480.2	871.8	898.6	775.3	351.9	21.0	10.0	7.9	7.6
72.5°	10.5	206.6	413.7	475.4	396.8	162.9	7.6	2.9	2.4	1.8
75°	1.3	16.6	35.2	53.4	36.5	17.6	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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