

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: P639801

Luminaire Tested: GWS-SA5C-750-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639801
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-40)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-750-U-SLL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14748.1 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

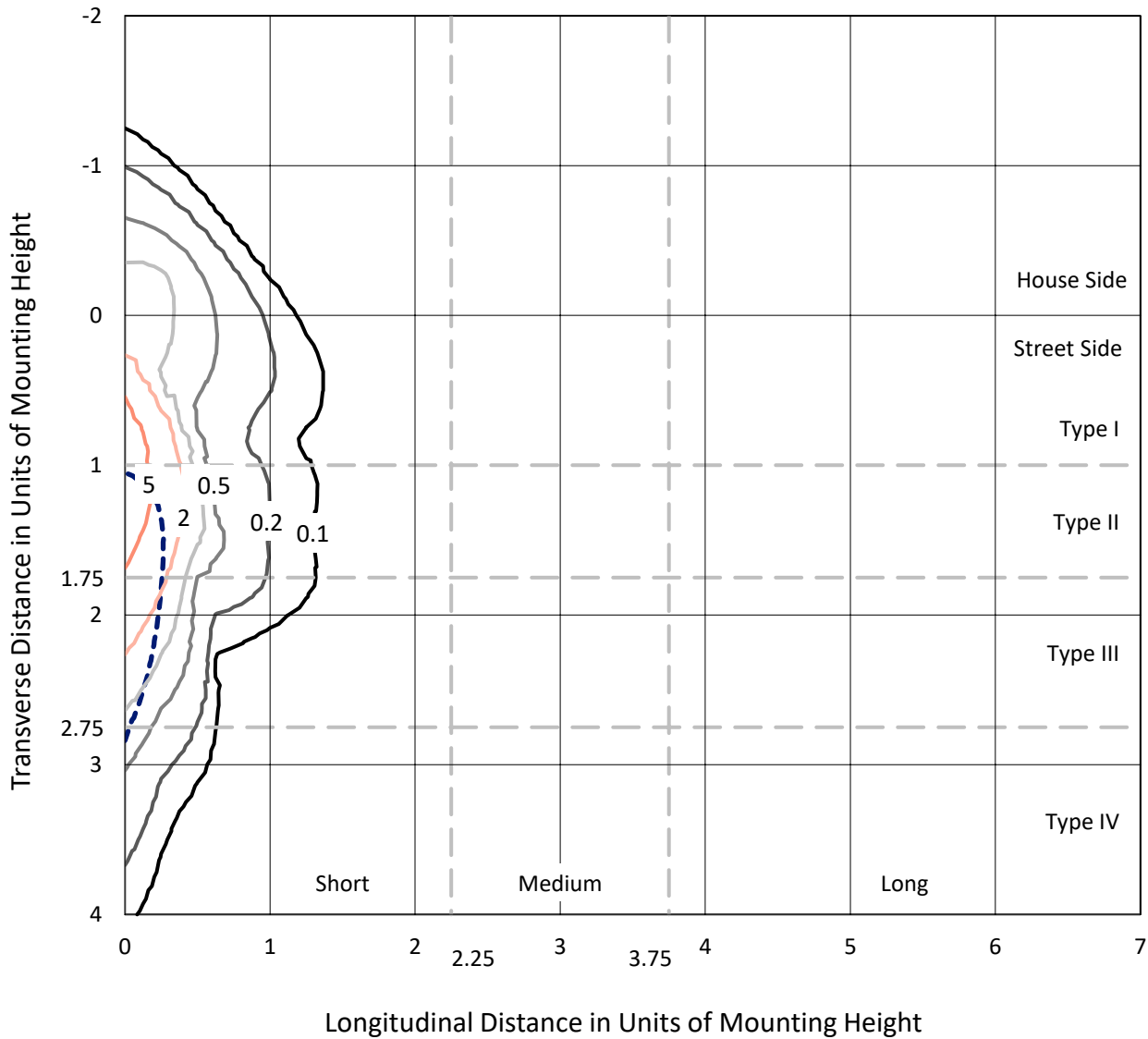
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

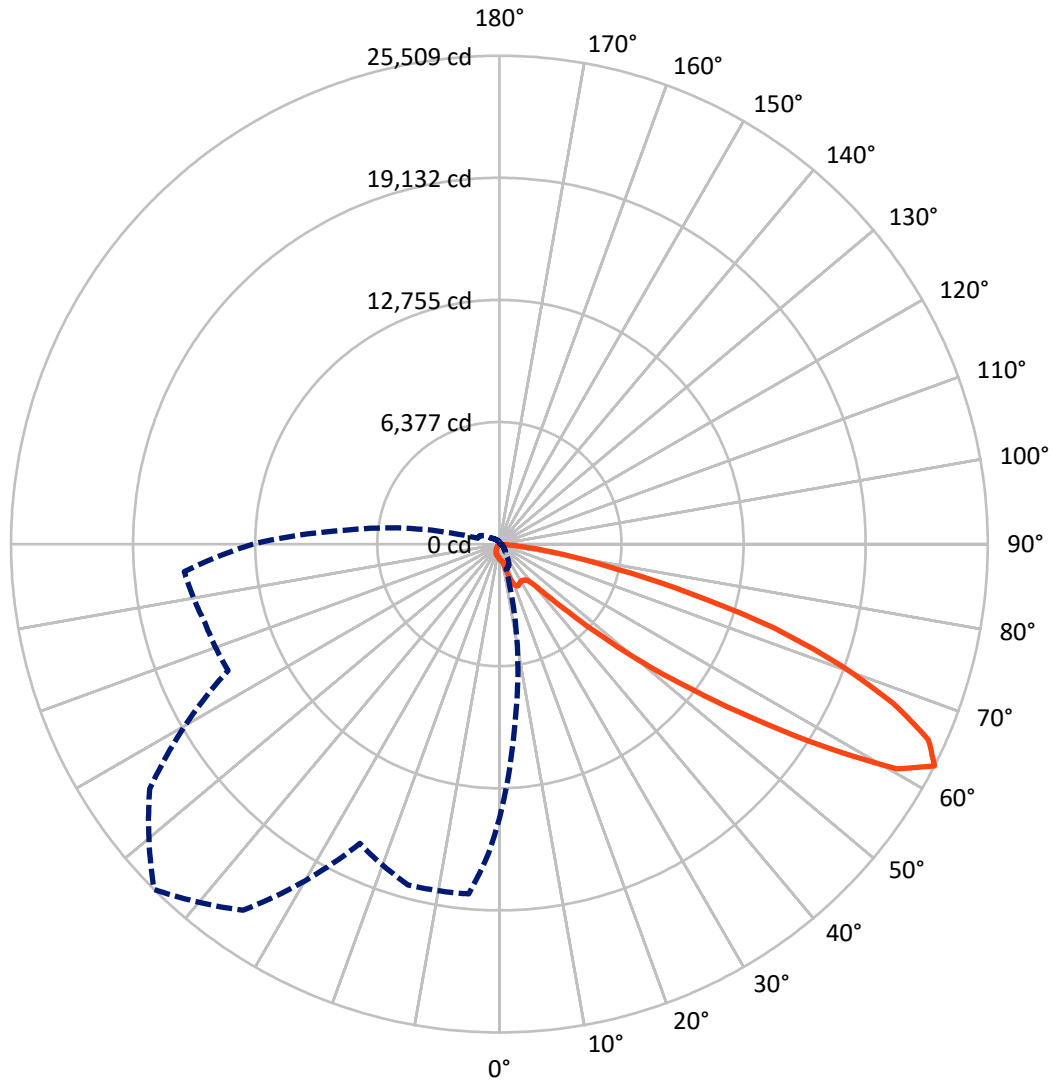
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.6 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	1713.5	0.0	1713.5
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	13034.6	0.0	13034.6
	% Fixture	88.4	0.0	88.4
Total	Lumens	14748.1	0.0	14748.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.0	0.4
10°-20°	226.4	1.5
20°-30°	511.4	3.5
30°-40°	881.1	6.0
40°-50°	1662.0	11.3
50°-60°	3710.8	25.2
60°-70°	4963.1	33.7
70°-80°	2488.8	16.9
80°-90°	238.6	1.6
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°	14748.1	100.0
0°-180°	14748.1	100.0

Coefficient of Utilization



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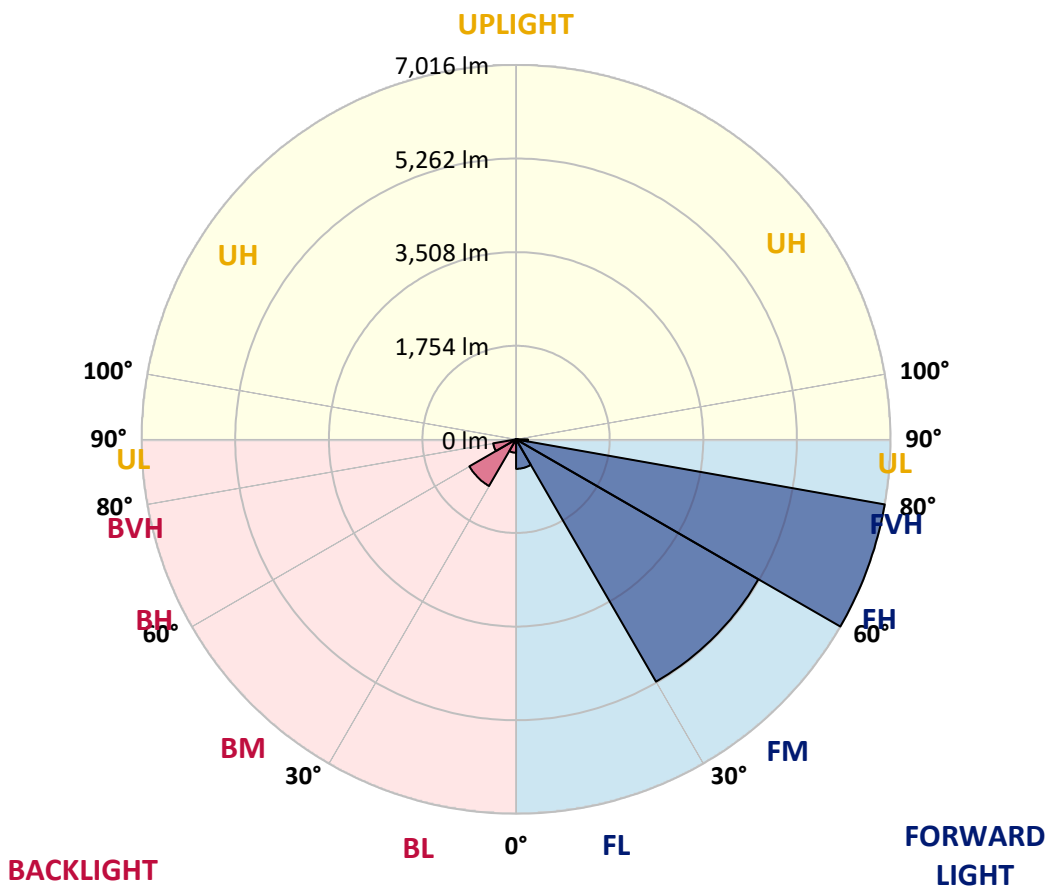
CATALOG NUMBER: GWS-SA5C-750-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	552.3	3.7			
FM (30°-60°)	5243.4	35.6			
FH (60°-80°)	7016.2	47.6			G3/7500
FVH (80°-90°)	222.7	1.5			G2/225
BL (0°-30°)	251.5	1.7	B1/500		
BM (30°-60°)	1010.4	6.9	B2/2500		
BH (60°-80°)	435.7	3.0	B1/500		G1/500
BVH (80°-90°)	15.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	764.9	764.9	764.9	764.9	764.9	764.9	764.9	764.9	764.9	764.9	764.9
2.5°	756.1	754.4	750.9	740.4	731.7	726.4	716.0	716.0	714.2	710.7	703.7
5°	731.7	724.7	717.7	698.5	677.5	665.3	651.4	649.6	649.6	646.1	644.4
7.5°	693.3	686.3	677.5	646.1	626.9	614.7	602.5	600.7	595.5	595.5	595.5
10°	672.3	661.8	647.9	612.9	593.7	583.2	574.5	569.3	565.8	560.5	558.8
12.5°	717.7	698.5	668.8	605.9	579.8	565.8	555.3	551.8	541.3	534.4	529.1
15°	859.2	812.0	752.6	621.7	574.5	553.6	539.6	532.6	523.9	511.7	502.9
17.5°	1091.4	1023.3	923.8	672.3	569.3	543.1	525.6	513.4	501.2	487.2	476.7
20°	1412.7	1311.4	1192.7	764.9	569.3	530.9	509.9	494.2	476.7	461.0	448.8
22.5°	1821.3	1720.1	1517.5	922.0	576.3	515.1	490.7	469.7	448.8	434.8	420.8
25°	2278.9	2135.7	1947.1	1112.4	595.5	494.2	468.0	447.0	427.8	410.4	394.7
27.5°	2788.8	2633.3	2381.9	1383.0	637.4	473.2	443.5	424.3	406.9	389.4	368.5
30°	3258.5	3166.0	2909.3	1707.8	705.5	459.3	424.3	406.9	389.4	366.7	347.5
32.5°	3822.5	3658.4	3447.1	2078.0	796.3	445.3	408.6	384.2	370.2	349.3	328.3
35°	4390.1	4250.4	3972.7	2533.8	897.6	431.3	389.4	366.7	354.5	330.0	307.3
37.5°	4975.1	4943.6	4669.5	3038.5	997.1	415.6	366.7	352.7	340.5	312.6	286.4
40°	5551.3	5493.7	5240.5	3614.7	1058.2	398.1	347.5	338.8	324.8	293.4	263.7
42.5°	6103.1	6059.5	5813.3	4166.6	1049.5	382.4	328.3	317.8	307.3	275.9	239.2
45°	6780.7	6709.1	6398.3	4575.2	960.4	399.9	309.1	291.6	289.9	260.2	214.8
47.5°	8048.5	7812.7	7285.4	4889.5	871.4	445.3	288.1	267.2	279.4	244.5	190.3
50°	9824.4	9546.8	8783.6	5134.0	869.6	504.7	284.6	244.5	270.7	232.3	169.4
52.5°	11609.1	11120.1	10192.9	5264.9	934.2	548.3	316.1	221.8	260.2	220.0	153.7
55°	13318.7	12304.1	10783.1	4831.9	984.9	595.5	373.7	209.6	241.0	206.1	144.9
57.5°	14947.9	13255.8	11039.8	3822.5	1154.3	614.7	408.6	214.8	213.0	188.6	138.0
60°	15171.4	13210.4	10521.2	2223.0	1273.0	581.5	394.7	239.2	186.8	167.6	125.7
62.5°	14326.2	12332.0	9338.9	1386.5	1182.2	569.3	351.0	272.4	169.4	148.4	110.0
65°	13042.7	10954.2	7786.5	894.1	895.8	632.1	307.3	267.2	158.9	131.0	94.3
67.5°	11036.3	9167.8	6134.6	599.0	506.4	539.6	268.9	183.4	155.4	111.8	73.3
70°	8055.5	6525.7	3993.7	399.9	302.1	431.3	225.3	131.0	146.7	92.6	52.4
72.5°	5888.4	4384.8	2230.0	261.9	171.1	251.5	165.9	94.3	113.5	68.1	36.7
75°	4238.1	3017.5	1273.0	167.6	113.5	138.0	108.3	64.6	73.3	54.1	33.2
77.5°	2039.6	1470.3	578.0	92.6	76.8	69.9	57.6	40.2	45.4	48.9	29.7
80°	76.8	57.6	43.7	45.4	48.9	31.4	26.2	21.0	26.2	33.2	15.7
82.5°	0.0	0.0	0.0	5.2	7.0	8.7	10.5	8.7	10.5	12.2	1.7
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°	764.9	764.9	764.9	764.9	764.9	764.9	764.9	764.9	764.9	764.9	764.9
2.5°	709.0	705.5	709.0	712.5	716.0	719.5	714.2	717.7	721.2	712.5	716.0
5°	653.1	651.4	661.8	667.1	674.1	677.5	674.1	674.1	672.3	661.8	661.8
7.5°	604.2	605.9	614.7	626.9	635.6	640.9	637.4	635.6	630.4	614.7	614.7
10°	567.5	567.5	581.5	592.0	604.2	609.4	605.9	600.7	595.5	579.8	578.0
12.5°	537.8	537.8	548.3	565.8	579.8	586.7	585.0	578.0	569.3	553.6	551.8
15°	509.9	508.2	523.9	539.6	558.8	567.5	564.0	558.8	543.1	529.1	525.6
17.5°	482.0	480.2	494.2	515.1	536.1	548.3	546.6	534.4	520.4	502.9	499.4
20°	454.0	450.5	468.0	489.0	509.9	522.1	518.6	508.2	490.7	473.2	469.7
22.5°	426.1	424.3	436.6	454.0	473.2	483.7	482.0	473.2	455.8	440.1	440.1
25°	394.7	394.7	403.4	415.6	429.6	434.8	436.6	433.1	422.6	413.9	413.9
27.5°	368.5	363.2	366.7	370.2	377.2	385.9	385.9	389.4	391.2	387.7	389.4
30°	347.5	338.8	333.5	326.5	323.1	326.5	330.0	342.3	354.5	361.5	365.0
32.5°	323.1	312.6	298.6	279.4	267.2	263.7	274.2	296.9	319.6	335.3	344.0
35°	298.6	284.6	258.4	230.5	214.8	209.6	221.8	248.0	281.1	309.1	321.3
37.5°	274.2	255.0	218.3	185.1	167.6	164.1	176.4	204.3	242.7	281.1	296.9
40°	246.2	223.5	179.9	144.9	131.0	127.5	138.0	165.9	206.1	249.7	274.2
42.5°	218.3	190.3	144.9	115.3	101.3	101.3	115.3	136.2	172.9	220.0	249.7
45°	190.3	160.7	118.7	92.6	83.8	85.6	94.3	115.3	144.9	193.8	221.8
47.5°	164.1	138.0	97.8	76.8	69.9	71.6	82.1	99.5	124.0	167.6	197.3
50°	141.4	117.0	85.6	64.6	59.4	62.9	73.3	89.1	110.0	148.4	172.9
52.5°	127.5	104.8	78.6	55.9	52.4	55.9	66.4	80.3	99.5	131.0	155.4
55°	120.5	103.0	78.6	50.6	45.4	48.9	59.4	73.3	89.1	118.7	139.7
57.5°	118.7	106.5	83.8	45.4	38.4	41.9	52.4	66.4	82.1	108.3	125.7
60°	111.8	101.3	82.1	36.7	29.7	34.9	43.7	57.6	75.1	101.3	117.0
62.5°	97.8	89.1	71.6	29.7	22.7	26.2	36.7	50.6	68.1	92.6	110.0
65°	80.3	71.6	55.9	19.2	14.0	17.5	27.9	43.7	59.4	83.8	99.5
67.5°	59.4	50.6	38.4	12.2	7.0	12.2	22.7	36.7	54.1	75.1	90.8
70°	36.7	29.7	21.0	7.0	5.2	10.5	21.0	34.9	48.9	69.9	85.6
72.5°	21.0	14.0	8.7	3.5	5.2	10.5	21.0	34.9	47.1	66.4	80.3
75°	15.7	8.7	3.5	1.7	3.5	8.7	19.2	31.4	45.4	62.9	76.8
77.5°	10.5	5.2	1.7	0.0	1.7	7.0	17.5	29.7	41.9	59.4	73.3
80°	1.7	0.0	0.0	0.0	0.0	5.2	15.7	26.2	38.4	52.4	64.6
82.5°	0.0	0.0	0.0	0.0	0.0	1.7	12.2	22.7	33.2	43.7	52.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	7.0	17.5	26.2	33.2	36.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	17.5	21.0	24.4
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°	764.9	764.9	764.9	764.9	764.9	764.9	764.9	764.9	764.9	764.9	764.9
2.5°	714.2	724.7	724.7	731.7	740.4	756.1	764.9	777.1	785.8	794.5	798.0
5°	660.1	661.8	663.6	667.1	677.5	695.0	710.7	729.9	752.6	770.1	780.6
7.5°	614.7	614.7	614.7	619.9	630.4	642.6	658.3	684.5	710.7	731.7	749.1
10°	576.3	581.5	583.2	592.0	604.2	619.9	637.4	660.1	689.8	717.7	749.1
12.5°	551.8	557.1	565.8	574.5	586.7	604.2	623.4	653.1	714.2	771.8	838.2
15°	529.1	536.1	546.6	558.8	572.8	592.0	612.9	674.1	817.2	925.5	1030.3
17.5°	504.7	515.1	529.1	541.3	558.8	579.8	605.9	724.7	1005.8	1185.7	1363.8
20°	473.2	487.2	502.9	522.1	543.1	567.5	605.9	829.5	1278.3	1536.7	1772.4
22.5°	443.5	457.5	476.7	501.2	525.6	550.1	614.7	988.4	1629.3	1955.8	2254.4
25°	419.1	436.6	455.8	476.7	504.7	532.6	635.6	1211.9	2051.8	2472.7	2684.0
27.5°	396.4	417.4	436.6	454.0	478.5	509.9	682.8	1510.5	2551.3	2979.1	3145.0
30°	373.7	398.1	417.4	434.8	459.3	492.4	754.4	1891.2	3106.6	3522.2	3539.6
32.5°	354.5	377.2	399.9	417.4	440.1	478.5	853.9	2336.5	3675.9	4077.5	3913.3
35°	333.5	359.7	380.7	399.9	424.3	466.2	969.2	2816.7	4250.4	4587.4	4285.3
37.5°	312.6	342.3	368.5	382.4	406.9	454.0	1053.0	3317.9	4837.1	5085.1	4611.8
40°	293.4	326.5	356.2	370.2	382.4	438.3	1065.2	3831.3	5432.6	5575.8	4919.2
42.5°	272.4	309.1	335.3	354.5	365.0	427.8	991.9	4264.3	5932.0	6064.7	5320.8
45°	249.7	293.4	314.3	328.3	349.3	434.8	897.6	4599.6	6503.0	6731.8	5982.7
47.5°	227.0	275.9	293.4	303.8	331.8	476.7	862.6	4823.1	7444.3	7919.2	7098.5
50°	206.1	260.2	279.4	277.7	328.3	530.9	901.1	4992.5	8858.7	9417.5	8628.2
52.5°	183.4	242.7	265.4	258.4	354.5	572.8	977.9	5127.0	9946.6	11174.3	10683.6
55°	164.1	223.5	244.5	242.7	403.4	604.2	1037.3	4418.0	10397.2	12807.0	12999.1
57.5°	150.2	202.6	220.0	249.7	434.8	604.2	1199.7	3136.3	10405.9	14008.4	16072.5
60°	138.0	183.4	195.6	274.2	422.6	572.8	1187.5	1920.9	9590.4	13926.3	17707.0
62.5°	127.5	165.9	181.6	281.1	373.7	567.5	1072.2	1190.9	8179.4	12866.4	16521.3
65°	118.7	151.9	174.6	258.4	338.8	607.7	722.9	855.7	6634.0	11658.0	15160.9
67.5°	110.0	139.7	185.1	211.3	307.3	543.1	522.1	607.7	5207.3	10332.6	13912.4
70°	103.0	132.7	195.6	172.9	268.9	424.3	370.2	461.0	3986.7	8621.2	12153.9
72.5°	97.8	124.0	164.1	136.2	218.3	328.3	258.4	335.3	2605.4	6730.0	9908.2
75°	92.6	113.5	120.5	110.0	162.4	214.8	195.6	225.3	1552.4	4919.2	7517.6
77.5°	90.8	106.5	97.8	89.1	110.0	127.5	148.4	151.9	757.9	2460.5	3939.5
80°	80.3	96.0	83.8	73.3	75.1	83.8	110.0	101.3	172.9	625.2	1051.2
82.5°	62.9	75.1	69.9	61.1	61.1	61.1	73.3	68.1	55.9	281.1	475.0
85°	43.7	52.4	52.4	48.9	47.1	47.1	45.4	43.7	15.7	17.5	26.2
87.5°	29.7	36.7	38.4	36.7	31.4	27.9	24.4	21.0	7.0	0.0	3.5
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-SA5C-750-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	764.9	764.9	764.9	764.9	764.9	764.9	764.9	764.9	764.9	764.9
2.5°	810.3	815.5	815.5	808.5	803.3	789.3	775.3	761.4	757.9	756.1
5°	810.3	831.2	841.7	839.9	827.7	805.0	775.3	743.9	735.2	731.7
7.5°	798.0	838.2	869.6	874.9	852.2	812.0	757.9	710.7	698.5	693.3
10°	826.0	904.6	967.4	976.2	950.0	871.4	784.1	703.7	684.5	672.3
12.5°	976.2	1105.4	1182.2	1218.9	1168.2	1068.7	923.8	780.6	736.9	717.7
15°	1280.0	1463.4	1610.0	1610.0	1562.9	1386.5	1203.2	970.9	911.5	859.2
17.5°	1669.4	1899.9	2029.1	2015.2	1943.6	1819.6	1599.6	1266.0	1145.5	1091.4
20°	2113.0	2250.9	2280.6	2271.9	2240.4	2168.8	2016.9	1658.9	1496.5	1412.7
22.5°	2497.1	2460.5	2416.8	2381.9	2373.2	2394.1	2373.2	2097.2	1969.8	1821.3
25°	2757.3	2549.5	2418.6	2355.7	2385.4	2505.9	2636.8	2533.8	2432.5	2278.9
27.5°	2898.8	2539.0	2350.5	2285.8	2336.5	2507.6	2792.3	2966.9	2862.1	2788.8
30°	2975.6	2530.3	2306.8	2243.9	2320.8	2535.6	2900.5	3372.0	3375.5	3258.5
32.5°	3085.6	2586.2	2315.5	2257.9	2360.9	2619.4	3036.7	3784.1	3885.4	3822.5
35°	3209.6	2671.8	2355.7	2303.3	2430.8	2731.1	3188.7	4199.7	4411.0	4390.1
37.5°	3326.6	2767.8	2450.0	2399.3	2537.3	2827.2	3335.3	4608.4	4901.7	4975.1
40°	3448.8	2902.3	2739.9	2788.8	2865.6	2979.1	3466.3	4962.8	5441.3	5551.3
42.5°	3737.0	3368.5	3616.5	3709.0	3719.5	3485.5	3752.7	5416.9	5972.2	6103.1
45°	4379.6	4198.0	4908.7	5039.7	4971.6	4262.6	4442.5	6071.7	6714.3	6780.7
47.5°	5191.6	5275.4	6677.7	7129.9	6721.3	5179.4	5278.9	7449.5	8072.9	8048.5
50°	6138.1	6534.5	8685.8	9752.8	8774.9	6370.3	6242.8	9143.4	9899.5	9824.4
52.5°	7257.4	7997.8	11099.2	12614.9	11689.4	7709.7	7657.3	11387.3	11848.3	11609.1
55°	8666.6	9410.5	13875.7	15993.9	14677.2	9344.2	9524.0	13989.2	14078.3	13318.7
57.5°	10769.1	11252.8	17148.2	19868.8	17796.0	11565.4	12869.9	17452.0	16386.8	14947.9
60°	14586.4	13622.5	20310.6	23832.8	21113.9	14689.5	17282.6	19503.9	17155.2	15171.4
62.5°	15915.3	15634.2	22290.9	25509.2	23345.6	17254.7	18429.9	18340.9	16159.8	14326.2
65°	13901.9	15133.0	21936.4	24623.9	23059.2	16832.1	16538.7	17057.4	15038.7	13042.7
67.5°	12841.9	13956.0	20593.5	22180.9	21471.9	15398.4	14741.8	14600.4	12625.4	11036.3
70°	11773.2	12876.9	18646.5	18843.8	18513.7	13062.0	12199.3	11251.1	9436.7	8055.5
72.5°	10488.0	11095.7	15945.0	15009.0	14635.3	10259.2	10077.6	8472.8	7074.1	5888.4
75°	9146.9	8970.5	12431.6	10301.1	10580.5	7982.1	8511.2	6221.9	5182.9	4238.1
77.5°	6653.2	6522.2	8326.1	6256.8	6929.1	5228.3	4697.4	2483.2	2364.4	2039.6
80°	3712.5	4475.6	4496.6	3506.5	4374.4	3408.7	1175.2	82.1	52.4	76.8
82.5°	1725.3	1924.4	2437.8	1625.8	2495.4	1688.6	242.7	0.0	0.0	0.0
85°	558.8	817.2	684.5	239.2	604.2	571.0	40.2	0.0	0.0	0.0
87.5°	33.2	68.1	17.5	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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