

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: P639856

Luminaire Tested: GWS-SA5C-760-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639856
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14546 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G3

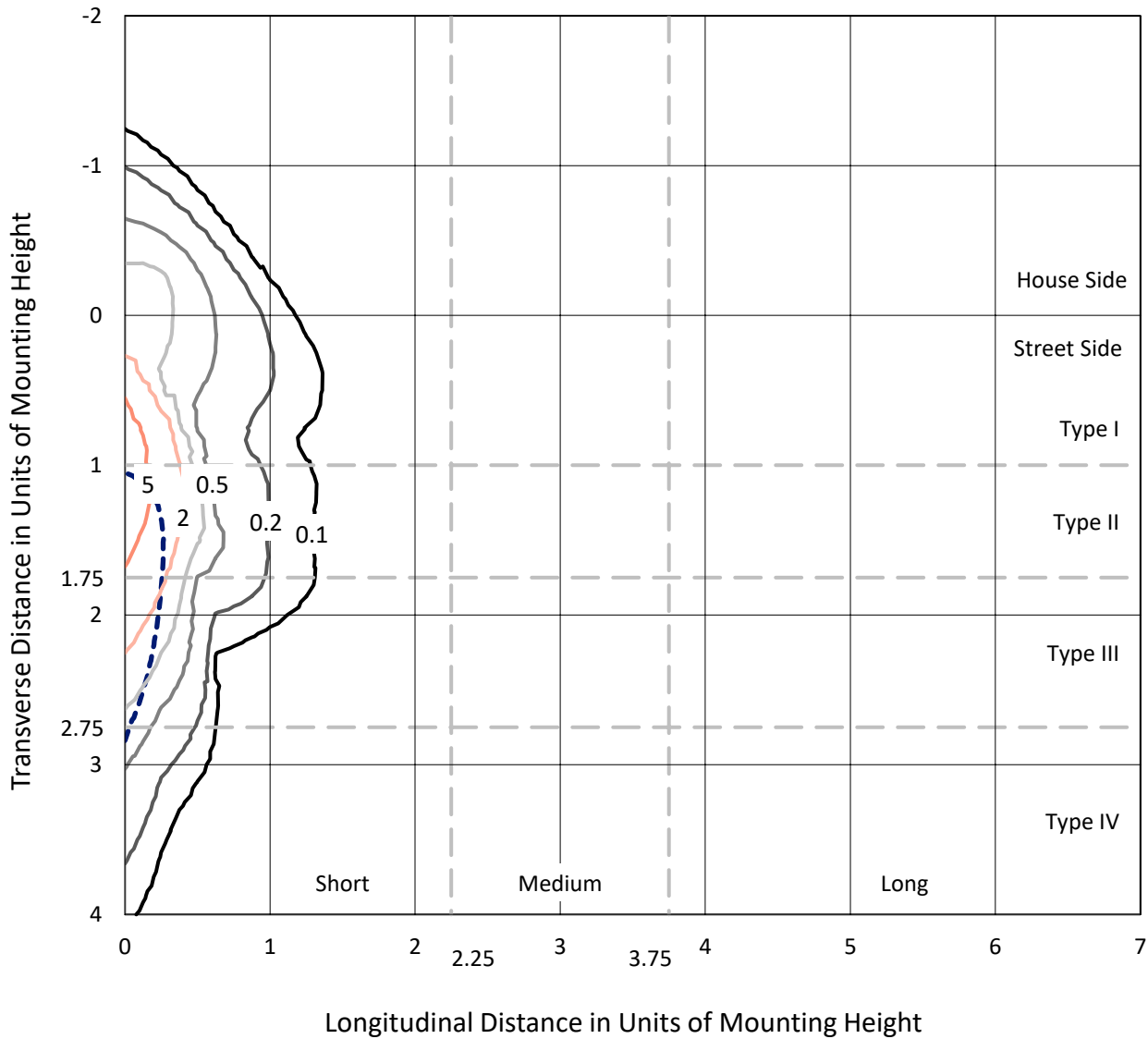
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639856
 CATALOG NUMBER: GWS-SA5C-760-U-SLL-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

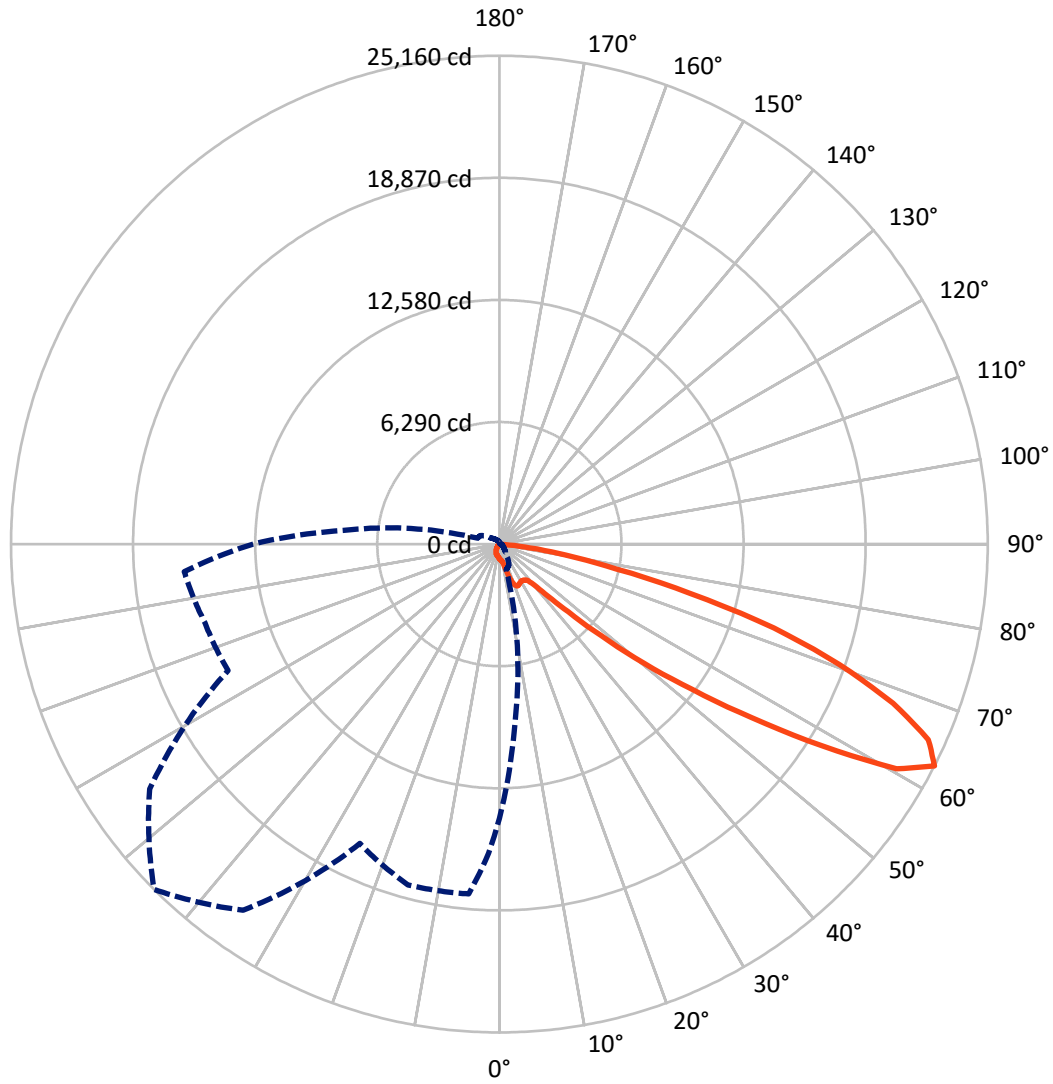
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.5 fc
 Type III - Short - N/A

REPORT NUMBER: P639856
CATALOG NUMBER: GWS-SA5C-760-U-SLL-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P639856
 CATALOG NUMBER: GWS-SA5C-760-U-SLL-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1690.1	0.0	1690.1
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	12855.9	0.0	12855.9
	% Fixture	88.4	0.0	88.4
Total	Lumens	14546.0	0.0	14546.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.1	0.4
10°-20°	223.3	1.5
20°-30°	504.4	3.5
30°-40°	869.0	6.0
40°-50°	1639.2	11.3
50°-60°	3659.9	25.2
60°-70°	4895.1	33.7
70°-80°	2454.7	16.9
80°-90°	235.3	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°	14546.0	100.0
0°-180°	14546.0	100.0

Coefficient of Utilization



REPORT NUMBER: P639856

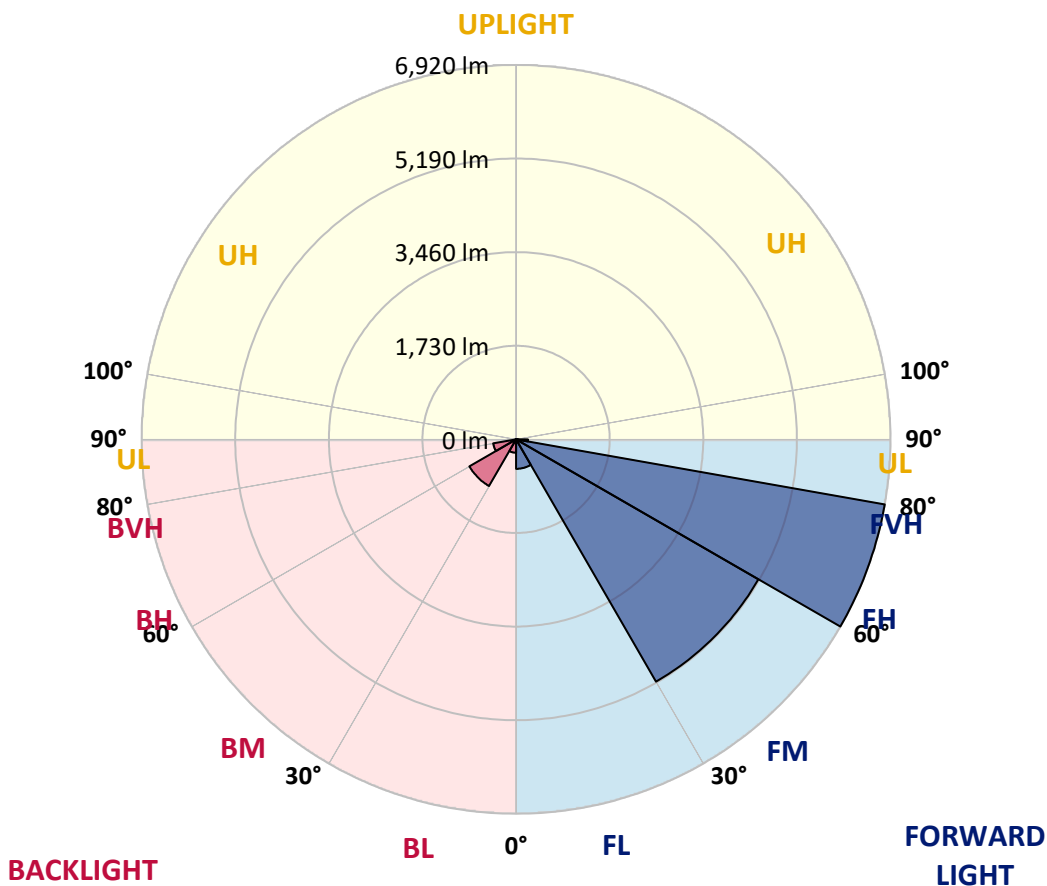
CATALOG NUMBER: GWS-SA5C-760-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	544.8	3.7			
FM (30°-60°)	5171.5	35.6			
FH (60°-80°)	6920.0	47.6			G3/7500
FVH (80°-90°)	219.6	1.5			G2/225
BL (0°-30°)	248.1	1.7	B1/500		
BM (30°-60°)	996.6	6.9	B1/1000		
BH (60°-80°)	429.8	3.0	B1/500		G1/500
BVH (80°-90°)	15.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type III Short





REPORT NUMBER: P639856

CATALOG NUMBER: GWS-SA5C-760-U-SLL-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	754.4	754.4	754.4	754.4	754.4	754.4	754.4	754.4	754.4	754.4	754.4
2.5°	745.8	744.0	740.6	730.3	721.7	716.5	706.2	706.2	704.4	701.0	694.1
5°	721.7	714.8	707.9	688.9	668.3	656.2	642.4	640.7	640.7	637.3	635.5
7.5°	683.8	676.9	668.3	637.3	618.3	606.3	594.2	592.5	587.3	587.3	587.3
10°	663.1	652.8	639.0	604.5	585.6	575.3	566.6	561.5	558.0	552.9	551.1
12.5°	707.9	688.9	659.6	597.6	571.8	558.0	547.7	544.3	533.9	527.0	521.9
15°	847.4	800.9	742.3	613.1	566.6	546.0	532.2	525.3	516.7	504.6	496.0
17.5°	1076.5	1009.3	911.1	663.1	561.5	535.6	518.4	506.4	494.3	480.5	470.2
20°	1393.4	1293.5	1176.3	754.4	561.5	523.6	502.9	487.4	470.2	454.7	442.6
22.5°	1796.4	1696.5	1496.7	909.4	568.4	508.1	484.0	463.3	442.6	428.9	415.1
25°	2247.6	2106.4	1920.4	1097.1	587.3	487.4	461.6	440.9	422.0	404.7	389.2
27.5°	2750.5	2597.3	2349.2	1364.1	628.6	466.7	437.5	418.5	401.3	384.1	363.4
30°	3213.9	3122.6	2869.4	1684.4	695.8	453.0	418.5	401.3	384.1	361.7	342.7
32.5°	3770.2	3608.3	3399.9	2049.6	785.4	439.2	403.0	378.9	365.1	344.5	323.8
35°	4329.9	4192.1	3918.3	2499.1	885.3	425.4	384.1	361.7	349.6	325.5	303.1
37.5°	4906.9	4875.9	4605.5	2996.8	983.4	409.9	361.7	347.9	335.9	308.3	282.5
40°	5475.3	5418.4	5168.7	3565.2	1043.7	392.7	342.7	334.1	320.4	289.3	260.1
42.5°	6019.5	5976.5	5733.6	4109.5	1035.1	377.2	323.8	313.5	303.1	272.1	236.0
45°	6687.8	6617.2	6310.6	4512.5	947.3	394.4	304.9	287.6	285.9	256.6	211.8
47.5°	7938.2	7705.7	7185.5	4822.5	859.4	439.2	284.2	263.5	275.6	241.1	187.7
50°	9689.8	9415.9	8663.3	5063.6	857.7	497.8	280.7	241.1	267.0	229.1	167.1
52.5°	11450.0	10967.7	10053.2	5192.8	921.4	540.8	311.7	218.7	256.6	217.0	151.6
55°	13136.1	12135.5	10635.3	4765.7	971.4	587.3	368.6	206.7	237.7	203.2	143.0
57.5°	14743.1	13074.1	10888.5	3770.2	1138.5	606.3	403.0	211.8	210.1	186.0	136.1
60°	14963.5	13029.4	10377.0	2192.5	1255.6	573.5	389.2	236.0	184.3	165.3	124.0
62.5°	14129.9	12163.0	9211.0	1367.5	1166.0	561.5	346.2	268.7	167.1	146.4	108.5
65°	12864.0	10804.1	7679.8	881.8	883.6	623.5	303.1	263.5	156.7	129.2	93.0
67.5°	10885.1	9042.2	6050.5	590.8	499.5	532.2	265.2	180.8	153.3	110.2	72.3
70°	7945.1	6436.3	3938.9	394.4	298.0	425.4	222.2	129.2	144.7	91.3	51.7
72.5°	5807.7	4324.7	2199.4	258.3	168.8	248.0	163.6	93.0	112.0	67.2	36.2
75°	4180.1	2976.2	1255.6	165.3	112.0	136.1	106.8	63.7	72.3	53.4	32.7
77.5°	2011.7	1450.2	570.1	91.3	75.8	68.9	56.8	39.6	44.8	48.2	29.3
80°	75.8	56.8	43.1	44.8	48.2	31.0	25.8	20.7	25.8	32.7	15.5
82.5°	0.0	0.0	0.0	5.2	6.9	8.6	10.3	8.6	10.3	12.1	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



REPORT NUMBER: P639856

CATALOG NUMBER: GWS-SA5C-760-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	754.4	754.4	754.4	754.4	754.4	754.4	754.4	754.4	754.4	754.4	754.4
2.5°	699.3	695.8	699.3	702.7	706.2	709.6	704.4	707.9	711.3	702.7	706.2
5°	644.1	642.4	652.8	657.9	664.8	668.3	664.8	664.8	663.1	652.8	652.8
7.5°	595.9	597.6	606.3	618.3	626.9	632.1	628.6	626.9	621.8	606.3	606.3
10°	559.8	559.8	573.5	583.9	595.9	601.1	597.6	592.5	587.3	571.8	570.1
12.5°	530.5	530.5	540.8	558.0	571.8	578.7	577.0	570.1	561.5	546.0	544.3
15°	502.9	501.2	516.7	532.2	551.1	559.8	556.3	551.1	535.6	521.9	518.4
17.5°	475.4	473.6	487.4	508.1	528.8	540.8	539.1	527.0	513.3	496.0	492.6
20°	447.8	444.4	461.6	482.2	502.9	515.0	511.5	501.2	484.0	466.7	463.3
22.5°	420.2	418.5	430.6	447.8	466.7	477.1	475.4	466.7	449.5	434.0	434.0
25°	389.2	389.2	397.9	409.9	423.7	428.9	430.6	427.1	416.8	408.2	408.2
27.5°	363.4	358.2	361.7	365.1	372.0	380.6	380.6	384.1	385.8	382.4	384.1
30°	342.7	334.1	329.0	322.1	318.6	322.1	325.5	337.6	349.6	356.5	360.0
32.5°	318.6	308.3	294.5	275.6	263.5	260.1	270.4	292.8	315.2	330.7	339.3
35°	294.5	280.7	254.9	227.3	211.8	206.7	218.7	244.6	277.3	304.9	316.9
37.5°	270.4	251.5	215.3	182.6	165.3	161.9	174.0	201.5	239.4	277.3	292.8
40°	242.8	220.5	177.4	143.0	129.2	125.7	136.1	163.6	203.2	246.3	270.4
42.5°	215.3	187.7	143.0	113.7	99.9	99.9	113.7	134.3	170.5	217.0	246.3
45°	187.7	158.5	117.1	91.3	82.7	84.4	93.0	113.7	143.0	191.2	218.7
47.5°	161.9	136.1	96.4	75.8	68.9	70.6	80.9	98.2	122.3	165.3	194.6
50°	139.5	115.4	84.4	63.7	58.6	62.0	72.3	87.8	108.5	146.4	170.5
52.5°	125.7	103.3	77.5	55.1	51.7	55.1	65.4	79.2	98.2	129.2	153.3
55°	118.8	101.6	77.5	49.9	44.8	48.2	58.6	72.3	87.8	117.1	137.8
57.5°	117.1	105.1	82.7	44.8	37.9	41.3	51.7	65.4	80.9	106.8	124.0
60°	110.2	99.9	80.9	36.2	29.3	34.4	43.1	56.8	74.1	99.9	115.4
62.5°	96.4	87.8	70.6	29.3	22.4	25.8	36.2	49.9	67.2	91.3	108.5
65°	79.2	70.6	55.1	18.9	13.8	17.2	27.6	43.1	58.6	82.7	98.2
67.5°	58.6	49.9	37.9	12.1	6.9	12.1	22.4	36.2	53.4	74.1	89.6
70°	36.2	29.3	20.7	6.9	5.2	10.3	20.7	34.4	48.2	68.9	84.4
72.5°	20.7	13.8	8.6	3.4	5.2	10.3	20.7	34.4	46.5	65.4	79.2
75°	15.5	8.6	3.4	1.7	3.4	8.6	18.9	31.0	44.8	62.0	75.8
77.5°	10.3	5.2	1.7	0.0	1.7	6.9	17.2	29.3	41.3	58.6	72.3
80°	1.7	0.0	0.0	0.0	0.0	5.2	15.5	25.8	37.9	51.7	63.7
82.5°	0.0	0.0	0.0	0.0	0.0	1.7	12.1	22.4	32.7	43.1	51.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	6.9	17.2	25.8	32.7	36.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	17.2	20.7	24.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P639856
 CATALOG NUMBER: GWS-SA5C-760-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	754.4	754.4	754.4	754.4	754.4	754.4	754.4	754.4	754.4	754.4	754.4
2.5°	704.4	714.8	714.8	721.7	730.3	745.8	754.4	766.4	775.0	783.7	787.1
5°	651.0	652.8	654.5	657.9	668.3	685.5	701.0	719.9	742.3	759.5	769.9
7.5°	606.3	606.3	606.3	611.4	621.8	633.8	649.3	675.1	701.0	721.7	738.9
10°	568.4	573.5	575.3	583.9	595.9	611.4	628.6	651.0	680.3	707.9	738.9
12.5°	544.3	549.4	558.0	566.6	578.7	595.9	614.9	644.1	704.4	761.3	826.7
15°	521.9	528.8	539.1	551.1	564.9	583.9	604.5	664.8	806.0	912.8	1016.2
17.5°	497.8	508.1	521.9	533.9	551.1	571.8	597.6	714.8	992.1	1169.5	1345.1
20°	466.7	480.5	496.0	515.0	535.6	559.8	597.6	818.1	1260.7	1515.6	1748.2
22.5°	437.5	451.2	470.2	494.3	518.4	542.5	606.3	974.8	1606.9	1929.0	2223.5
25°	413.4	430.6	449.5	470.2	497.8	525.3	626.9	1195.3	2023.7	2438.8	2647.2
27.5°	391.0	411.6	430.6	447.8	471.9	502.9	673.4	1489.8	2516.3	2938.3	3101.9
30°	368.6	392.7	411.6	428.9	453.0	485.7	744.0	1865.3	3064.0	3473.9	3491.1
32.5°	349.6	372.0	394.4	411.6	434.0	471.9	842.2	2304.5	3625.5	4021.6	3859.7
35°	329.0	354.8	375.5	394.4	418.5	459.9	955.9	2778.1	4192.1	4524.5	4226.6
37.5°	308.3	337.6	363.4	377.2	401.3	447.8	1038.6	3272.4	4770.8	5015.4	4548.6
40°	289.3	322.1	351.4	365.1	377.2	432.3	1050.6	3778.8	5358.1	5499.4	4851.8
42.5°	268.7	304.9	330.7	349.6	360.0	422.0	978.3	4205.9	5850.7	5981.6	5247.9
45°	246.3	289.3	310.0	323.8	344.5	428.9	885.3	4536.6	6413.9	6639.5	5900.7
47.5°	223.9	272.1	289.3	299.7	327.2	470.2	850.8	4757.0	7342.3	7810.7	7001.2
50°	203.2	256.6	275.6	273.8	323.8	523.6	888.7	4924.1	8737.3	9288.5	8510.0
52.5°	180.8	239.4	261.8	254.9	349.6	564.9	964.5	5056.7	9810.3	11021.1	10537.2
55°	161.9	220.5	241.1	239.4	397.9	595.9	1023.1	4357.5	10254.7	12631.5	12821.0
57.5°	148.1	199.8	217.0	246.3	428.9	595.9	1183.2	3093.3	10263.3	13816.5	15852.2
60°	136.1	180.8	192.9	270.4	416.8	564.9	1171.2	1894.6	9459.0	13735.5	17464.3
62.5°	125.7	163.6	179.1	277.3	368.6	559.8	1057.5	1174.6	8067.4	12690.1	16294.9
65°	117.1	149.8	172.2	254.9	334.1	599.4	713.0	843.9	6543.1	11498.2	14953.2
67.5°	108.5	137.8	182.6	208.4	303.1	535.6	515.0	599.4	5136.0	10191.0	13721.7
70°	101.6	130.9	192.9	170.5	265.2	418.5	365.1	454.7	3932.1	8503.1	11987.4
72.5°	96.4	122.3	161.9	134.3	215.3	323.8	254.9	330.7	2569.7	6637.8	9772.4
75°	91.3	112.0	118.8	108.5	160.2	211.8	192.9	222.2	1531.1	4851.8	7414.6
77.5°	89.6	105.1	96.4	87.8	108.5	125.7	146.4	149.8	747.5	2426.7	3885.6
80°	79.2	94.7	82.7	72.3	74.1	82.7	108.5	99.9	170.5	616.6	1036.8
82.5°	62.0	74.1	68.9	60.3	60.3	60.3	72.3	67.2	55.1	277.3	468.5
85°	43.1	51.7	51.7	48.2	46.5	46.5	44.8	43.1	15.5	17.2	25.8
87.5°	29.3	36.2	37.9	36.2	31.0	27.6	24.1	20.7	6.9	0.0	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P639856

CATALOG NUMBER: GWS-SA5C-760-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	754.4	754.4	754.4	754.4	754.4	754.4	754.4	754.4	754.4	754.4
2.5°	799.2	804.3	804.3	797.4	792.3	778.5	764.7	750.9	747.5	745.8
5°	799.2	819.8	830.2	828.4	816.4	794.0	764.7	733.7	725.1	721.7
7.5°	787.1	826.7	857.7	862.9	840.5	800.9	747.5	701.0	688.9	683.8
10°	814.7	892.2	954.2	962.8	936.9	859.4	773.3	694.1	675.1	663.1
12.5°	962.8	1090.2	1166.0	1202.2	1152.2	1054.1	911.1	769.9	726.8	707.9
15°	1262.5	1443.3	1588.0	1588.0	1541.5	1367.5	1186.7	957.6	899.1	847.4
17.5°	1646.5	1873.9	2001.3	1987.6	1916.9	1794.7	1577.6	1248.7	1129.8	1076.5
20°	2084.0	2220.1	2249.4	2240.7	2209.7	2139.1	1989.3	1636.2	1476.0	1393.4
22.5°	2462.9	2426.7	2383.7	2349.2	2340.6	2361.3	2340.6	2068.5	1942.8	1796.4
25°	2719.5	2514.6	2385.4	2323.4	2352.7	2471.5	2600.7	2499.1	2399.2	2247.6
27.5°	2859.1	2504.3	2318.2	2254.5	2304.5	2473.3	2754.0	2926.2	2822.9	2750.5
30°	2934.8	2495.6	2275.2	2213.2	2289.0	2500.8	2860.8	3325.8	3329.2	3213.9
32.5°	3043.3	2550.8	2283.8	2227.0	2328.6	2583.5	2995.1	3732.3	3832.2	3770.2
35°	3165.6	2635.2	2323.4	2271.7	2397.5	2693.7	3145.0	4142.2	4350.6	4329.9
37.5°	3281.0	2729.9	2416.4	2366.5	2502.5	2788.4	3289.6	4545.2	4834.6	4906.9
40°	3401.6	2862.5	2702.3	2750.5	2826.3	2938.3	3418.8	4894.8	5366.8	5475.3
42.5°	3685.8	3322.4	3566.9	3658.2	3668.5	3437.8	3701.3	5342.6	5890.3	6019.5
45°	4319.6	4140.5	4841.4	4970.6	4903.4	4204.2	4381.6	5988.5	6622.3	6687.8
47.5°	5120.5	5203.1	6586.2	7032.2	6629.2	5108.4	5206.6	7347.4	7962.3	7938.2
50°	6054.0	6444.9	8566.8	9619.2	8654.7	6283.0	6157.3	9018.1	9763.8	9689.8
52.5°	7158.0	7888.2	10947.1	12442.0	11529.2	7604.0	7552.4	11231.3	11685.9	11450.0
55°	8547.9	9281.6	13685.6	15774.7	14476.1	9216.1	9393.5	13797.5	13885.3	13136.1
57.5°	10621.6	11098.6	16913.2	19596.6	17552.2	11406.9	12693.5	17212.9	16162.3	14743.1
60°	14386.5	13435.8	20032.3	23506.2	20824.6	14488.2	17045.8	19236.6	16920.1	14963.5
62.5°	15697.2	15419.9	21985.4	25159.7	23025.7	17018.3	18177.4	18089.5	15938.4	14129.9
65°	13711.4	14925.6	21635.8	24286.4	22743.2	16601.4	16312.1	16823.6	14832.6	12864.0
67.5°	12665.9	13764.8	20311.3	21876.9	21177.7	15187.4	14539.8	14400.3	12452.4	10885.1
70°	11611.9	12700.4	18390.9	18585.6	18260.0	12883.0	12032.1	11096.9	9307.4	7945.1
72.5°	10344.3	10943.6	15726.5	14803.3	14434.8	10118.6	9939.5	8356.7	6977.1	5807.7
75°	9021.5	8847.6	12261.2	10160.0	10435.5	7872.7	8394.6	6136.6	5111.8	4180.1
77.5°	6562.0	6432.9	8212.0	6171.1	6834.2	5156.6	4633.0	2449.1	2332.0	2011.7
80°	3661.7	4414.3	4435.0	3458.4	4314.4	3362.0	1159.1	80.9	51.7	75.8
82.5°	1701.7	1898.0	2404.4	1603.5	2461.2	1665.5	239.4	0.0	0.0	0.0
85°	551.1	806.0	675.1	236.0	595.9	563.2	39.6	0.0	0.0	0.0
87.5°	32.7	67.2	17.2	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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