

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: P643765

Luminaire Tested: GWS-SA6F-750-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643765
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGF-750-U-SLR-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31594.9 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

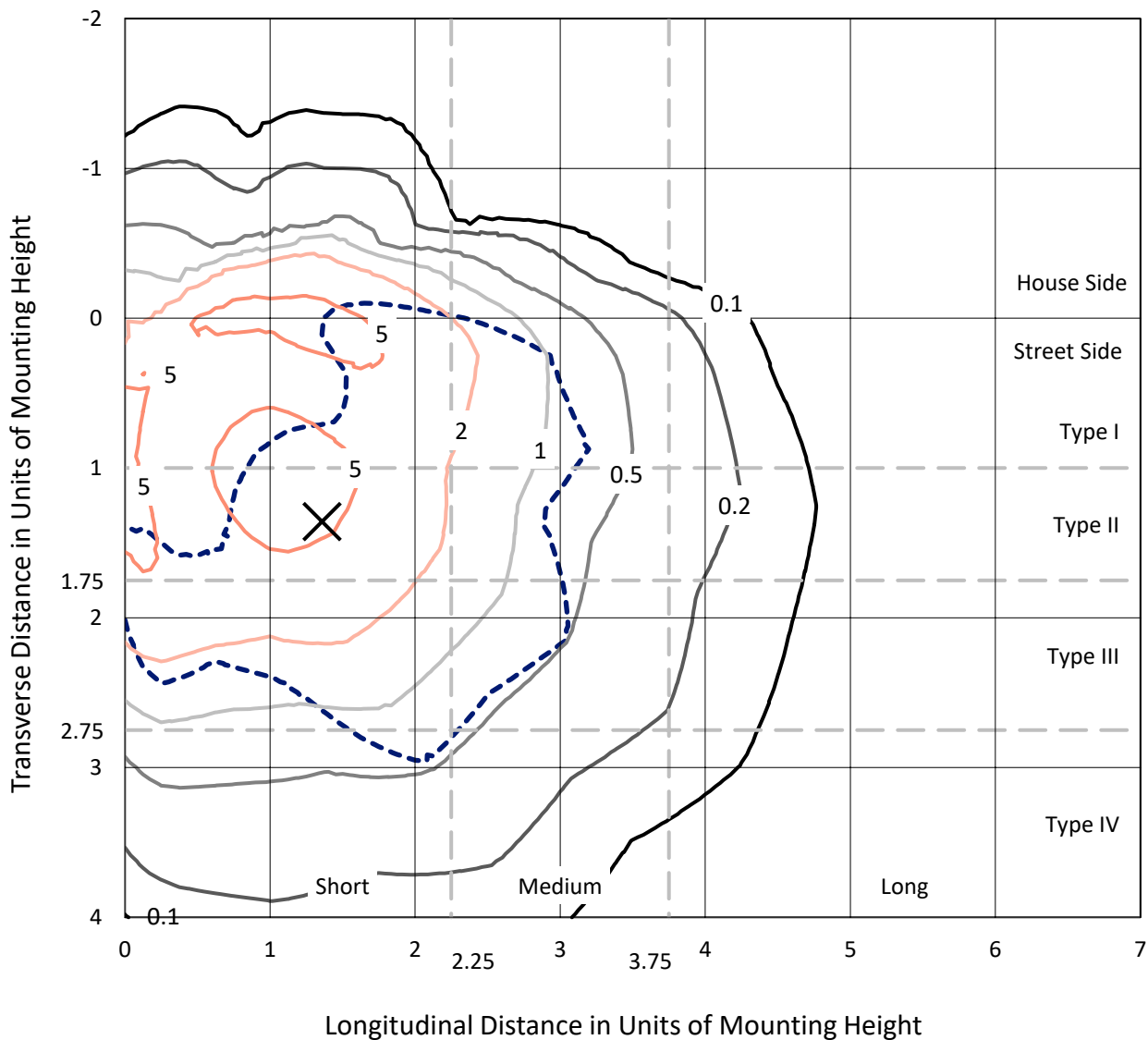
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

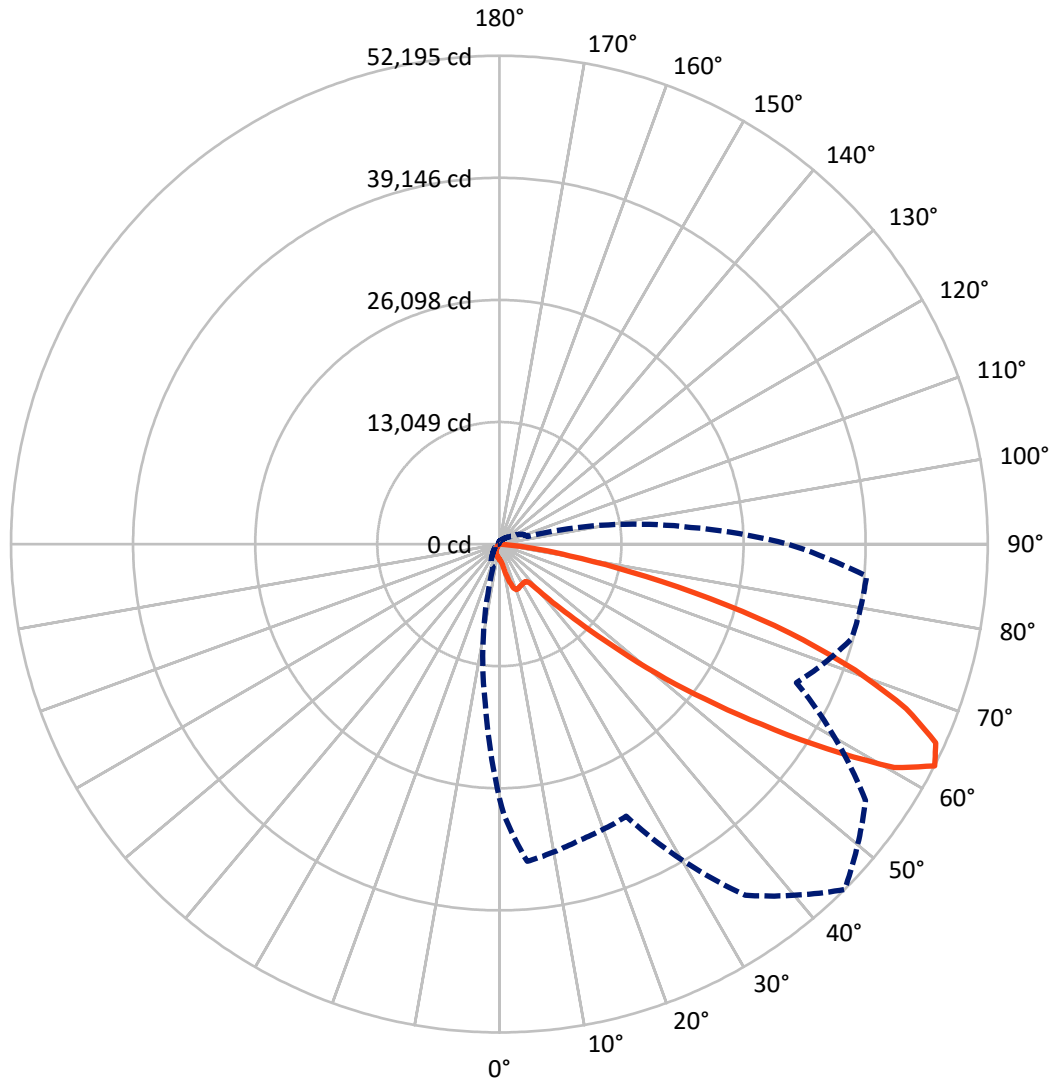
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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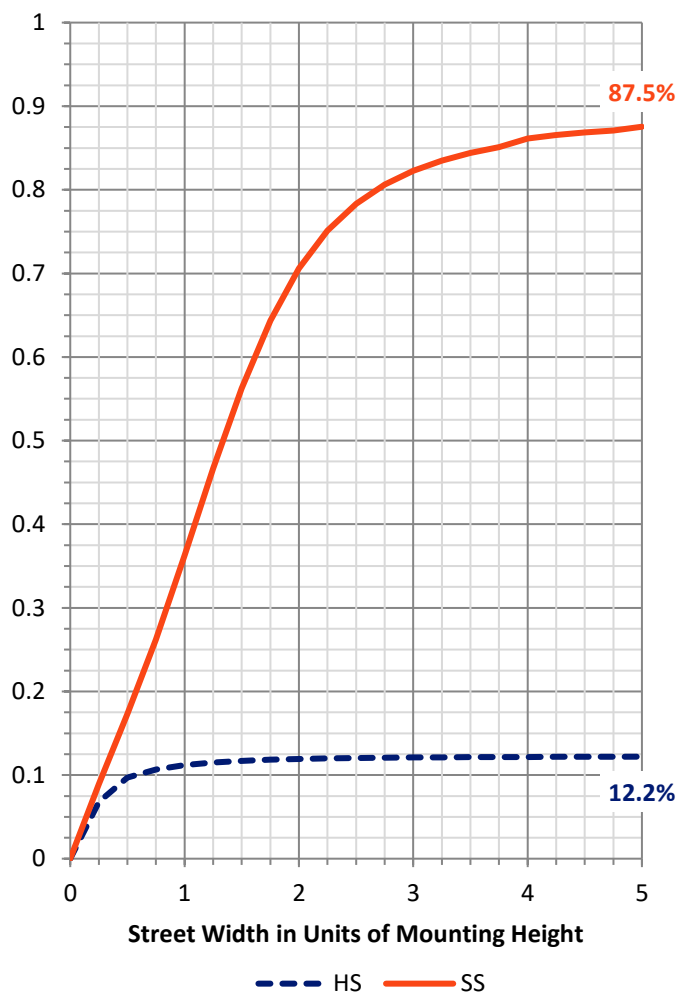
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3898.8	0.0	3898.8
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	27696.1	0.0	27696.1
	% Fixture	87.7	0.0	87.7
Total	Lumens	31594.9	0.0	31594.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.7	0.5
10°-20°	550.8	1.7
20°-30°	1197.4	3.8
30°-40°	1965.4	6.2
40°-50°	3613.1	11.4
50°-60°	7759.2	24.6
60°-70°	10421.9	33.0
70°-80°	5426.8	17.2
80°-90°	514.5	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°	31594.9	100.0
0°-180°	31594.9	100.0

Coefficient of Utilization



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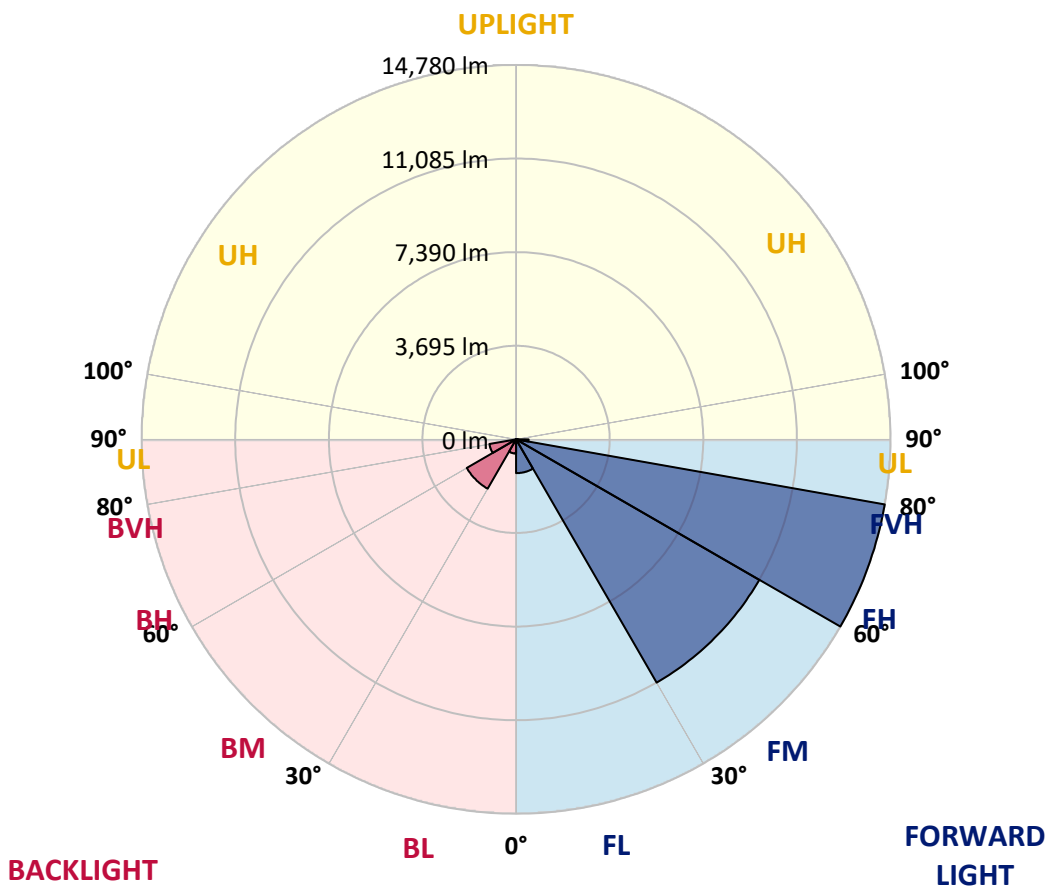
CATALOG NUMBER: GWS-SA6F-750-U-SLR-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1334.7	4.2			
FM (30°-60°)	11089.4	35.1			
FH (60°-80°)	14780.4	46.8			G5
FVH (80°-90°)	491.6	1.6			G3/500
BL (0°-30°)	559.2	1.8	B2/1000		
BM (30°-60°)	2248.3	7.1	B2/2500		
BH (60°-80°)	1068.3	3.4	B3/2500		G3/2500
BVH (80°-90°)	22.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1642.3	1642.3	1642.3	1642.3	1642.3	1642.3	1642.3	1642.3	1642.3	1642.3	1642.3
2.5°	1675.1	1682.4	1689.7	1715.3	1733.5	1748.1	1751.8	1740.8	1715.3	1689.7	1653.2
5°	1624.0	1631.3	1656.9	1726.2	1795.6	1850.3	1868.5	1857.6	1795.6	1715.3	1631.3
7.5°	1620.4	1635.0	1697.0	1843.0	1992.6	2105.8	2135.0	2109.4	1992.6	1832.0	1660.5
10°	1751.8	1777.3	1868.5	2131.3	2405.0	2605.7	2686.0	2576.5	2390.4	2098.5	1817.4
12.5°	2094.8	2138.6	2313.8	2697.0	3120.3	3386.7	3496.2	3361.2	3069.2	2645.9	2200.6
15°	2634.9	2700.6	2963.4	3536.4	4036.3	4273.6	4310.1	4233.4	3894.0	3426.9	2828.4
17.5°	3397.7	3492.6	3901.3	4485.2	4846.5	4930.5	4919.5	4839.2	4591.1	4269.9	3704.2
20°	4310.1	4423.2	4824.6	5306.4	5342.9	5244.3	5189.6	5142.1	5058.2	5003.5	4561.9
22.5°	5229.7	5368.4	5788.1	5908.5	5580.1	5295.4	5160.4	5196.9	5321.0	5591.0	5412.2
25°	6145.8	6277.1	6671.3	6346.5	5689.6	5215.1	5043.6	5131.2	5426.8	6010.7	6240.6
27.5°	7215.1	7313.6	7547.2	6645.7	5707.8	5149.4	4981.6	5116.6	5477.9	6273.5	7149.4
30°	8328.2	8386.5	8273.4	6726.0	5645.8	5050.9	4919.5	5116.6	5565.5	6448.7	7831.8
32.5°	9145.6	9156.6	8788.0	6733.3	5612.9	4970.6	4861.1	5094.7	5649.4	6594.6	8492.4
35°	9988.7	9933.9	9280.7	6842.8	5700.5	4999.8	4904.9	5156.7	5780.8	6766.2	9072.6
37.5°	10842.7	10744.1	9831.7	7021.6	5926.8	5317.3	5258.9	5474.2	5992.5	7003.4	9711.3
40°	11718.5	11583.5	10404.7	7291.7	6430.4	6397.6	6598.3	6572.7	6572.7	7306.3	10368.2
42.5°	12787.8	12630.9	11251.4	8054.4	7605.6	8339.1	8886.5	8547.1	7919.4	8003.3	11222.2
45°	14200.2	14065.2	12718.5	9514.2	9448.5	11134.6	11871.8	11200.3	9638.3	9612.8	12649.2
47.5°	16459.2	16433.7	15057.8	11207.6	11703.9	14692.9	16116.2	14824.3	11598.1	11317.1	15349.8
50°	19634.3	19557.7	17973.8	13192.9	14386.3	19101.5	21641.5	19488.3	13966.6	13306.1	18966.4
52.5°	23210.8	23291.1	22057.6	15360.7	17236.6	24006.4	27542.8	24831.2	16539.5	15835.2	23517.4
55°	26579.3	27039.1	26714.3	17897.1	20021.1	29422.2	34024.3	30692.3	19725.5	19145.3	28619.4
57.5°	29214.2	30509.8	32787.1	21583.1	23294.7	35757.8	41261.2	37046.0	23444.4	24521.0	35564.3
60°	29360.2	31075.5	36363.6	29294.5	27506.3	41191.9	48487.2	43253.8	29290.9	33648.4	41005.7
62.5°	27159.6	28998.9	34035.2	32798.0	32093.7	45815.8	52195.1	47779.2	35042.5	38994.9	39392.7
65°	24641.4	26499.0	31436.8	28823.7	31560.8	45618.7	51253.5	47885.0	35564.3	35360.0	36505.9
67.5°	20835.0	22502.8	26973.4	25513.6	29090.1	43418.1	46903.3	44866.9	32765.2	33071.7	33582.7
70°	15207.5	16813.2	20962.7	21035.7	25404.1	39451.1	40301.4	40020.4	30174.0	30498.8	29039.0
72.5°	10985.0	12338.9	15919.1	17251.2	20280.3	33082.7	32495.1	33579.0	25889.5	27163.2	23323.9
75°	7897.5	8912.1	11678.4	15006.7	16076.0	24568.4	23261.9	26006.3	20772.9	23389.6	17535.8
77.5°	3204.3	3561.9	4594.7	10109.1	10565.3	16528.6	14240.3	18889.8	14809.7	15368.0	8499.7
80°	131.4	146.0	189.8	5218.8	7244.3	9298.9	7620.1	10098.2	9780.7	6189.5	2007.2
82.5°	14.6	14.6	32.8	1503.6	3171.4	5131.2	3591.1	5817.3	4952.4	2624.0	912.4
85°	3.6	3.6	7.3	171.5	744.5	821.1	485.4	1784.6	2302.8	1073.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.2	32.8	36.5	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°	1642.3	1642.3	1642.3	1642.3	1642.3	1642.3	1642.3	1642.3	1642.3	1642.3	1642.3
2.5°	1653.2	1635.0	1613.1	1591.2	1580.2	1551.0	1540.1	1532.8	1525.5	1529.1	1529.1
5°	1598.5	1558.3	1510.9	1463.4	1437.9	1408.7	1394.1	1386.8	1390.5	1405.1	1405.1
7.5°	1591.2	1514.5	1412.4	1350.3	1321.1	1299.2	1284.6	1277.3	1281.0	1299.2	1306.5
10°	1711.6	1576.6	1394.1	1288.3	1255.4	1233.5	1218.9	1208.0	1200.7	1215.3	1218.9
12.5°	1970.7	1784.6	1481.7	1281.0	1222.6	1193.4	1182.4	1160.5	1149.6	1156.9	1160.5
15°	2507.2	2186.0	1656.9	1310.2	1193.4	1160.5	1142.3	1124.0	1105.8	1102.1	1105.8
17.5°	3207.9	2748.1	1923.3	1379.5	1171.5	1131.3	1105.8	1080.3	1054.7	1051.1	1047.4
20°	4076.5	3437.8	2295.5	1489.0	1153.2	1105.8	1069.3	1032.8	1000.0	989.0	989.0
22.5°	4868.4	4269.9	2773.6	1624.0	1127.7	1069.3	1025.5	981.7	945.2	927.0	923.3
25°	5835.5	5153.1	3346.6	1781.0	1091.2	1021.9	974.4	930.6	894.1	872.2	864.9
27.5°	6810.0	6083.7	3996.2	1985.3	1047.4	974.4	930.6	890.5	850.3	824.8	817.5
30°	7755.2	7087.3	4726.1	2240.8	1014.6	927.0	890.5	850.3	813.8	773.7	762.7
32.5°	8769.7	8112.8	5543.6	2525.5	989.0	894.1	854.0	817.5	770.0	733.5	715.3
35°	9747.8	9171.2	6445.0	2802.8	963.5	864.9	821.1	784.6	733.5	693.4	667.9
37.5°	10733.2	10247.8	7386.6	2970.7	927.0	824.8	784.6	755.4	697.1	649.6	620.4
40°	11776.9	11360.9	8404.8	2901.3	894.1	781.0	759.1	726.2	660.6	605.8	569.3
42.5°	12922.9	12422.9	9441.2	2634.9	864.9	744.5	722.6	689.8	627.7	562.0	514.6
45°	14364.4	13587.1	10291.6	2233.5	879.5	708.0	664.2	656.9	598.5	514.6	456.2
47.5°	16842.4	15375.3	10952.1	1974.4	978.1	667.9	616.8	635.0	573.0	467.1	401.4
50°	20634.3	18338.7	11568.9	1956.1	1127.7	649.6	573.0	620.4	547.4	419.7	354.0
52.5°	24247.3	21349.6	11963.0	2116.7	1259.1	697.1	529.2	602.2	529.2	386.8	321.2
55°	27703.3	23086.7	11258.7	2233.5	1383.2	839.4	496.3	573.0	507.3	368.6	310.2
57.5°	31429.5	23860.4	8864.6	2470.7	1470.7	959.8	503.6	529.2	478.1	357.7	306.6
60°	32542.6	22871.4	5350.2	2780.9	1423.3	996.3	558.4	470.8	437.9	335.8	295.6
62.5°	30812.7	20524.8	3156.8	2532.8	1383.2	941.6	638.7	434.3	397.8	306.6	273.7
65°	28225.2	17338.8	2058.3	2138.6	1467.1	839.4	678.8	416.0	361.3	277.4	240.9
67.5°	25269.1	13966.6	1441.6	1262.7	1354.0	755.4	573.0	412.4	324.8	233.6	197.1
70°	21283.9	10459.5	1014.6	835.7	1127.7	671.5	445.2	401.4	284.7	189.8	153.3
72.5°	16444.6	6547.2	755.4	540.1	802.9	547.4	354.0	339.4	229.9	156.9	116.8
75°	12127.3	3733.4	532.8	390.5	529.2	416.0	262.8	240.9	197.1	149.6	105.8
77.5°	6331.9	1868.5	332.1	299.3	302.9	259.1	189.8	175.2	182.5	149.6	98.5
80°	1215.3	372.2	200.7	219.0	164.2	164.2	138.7	146.0	160.6	120.4	83.9
82.5°	507.3	80.3	109.5	124.1	102.2	113.1	113.1	116.8	113.1	87.6	62.0
85°	0.0	0.0	47.4	51.1	69.3	69.3	58.4	58.4	58.4	51.1	36.5
87.5°	0.0	0.0	0.0	0.0	3.6	10.9	21.9	25.5	29.2	21.9	14.6
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°	1642.3	1642.3	1642.3	1642.3	1642.3	1642.3	1642.3	1642.3	1642.3	1642.3	1642.3
2.5°	1525.5	1518.2	1529.1	1536.4	1543.7	1543.7	1536.4	1529.1	1518.2	1529.1	1518.2
5°	1408.7	1419.7	1437.9	1445.2	1452.5	1437.9	1430.6	1408.7	1390.5	1394.1	1386.8
7.5°	1317.5	1328.4	1350.3	1364.9	1364.9	1357.6	1335.7	1313.8	1284.6	1284.6	1281.0
10°	1233.5	1248.1	1273.7	1291.9	1299.2	1291.9	1270.0	1240.8	1215.3	1215.3	1204.3
12.5°	1164.2	1182.4	1211.6	1237.2	1244.5	1237.2	1215.3	1186.1	1156.9	1156.9	1149.6
15°	1105.8	1127.7	1160.5	1189.7	1200.7	1189.7	1164.2	1127.7	1098.5	1102.1	1091.2
17.5°	1051.1	1069.3	1113.1	1145.9	1156.9	1145.9	1113.1	1065.7	1036.5	1043.8	1036.5
20°	989.0	1010.9	1054.7	1091.2	1102.1	1091.2	1054.7	1003.6	974.4	974.4	978.1
22.5°	923.3	945.2	989.0	1014.6	1029.2	1018.2	981.7	934.3	905.1	905.1	908.7
25°	864.9	875.9	908.7	934.3	937.9	927.0	897.8	861.3	839.4	850.3	854.0
27.5°	810.2	810.2	824.8	839.4	835.7	824.8	813.8	784.6	781.0	791.9	802.9
30°	751.8	733.5	726.2	715.3	711.7	708.0	719.0	719.0	726.2	740.8	751.8
32.5°	700.7	664.2	631.4	598.5	580.3	594.9	624.1	649.6	675.2	697.1	708.0
35°	642.3	583.9	529.2	485.4	456.2	478.1	525.5	573.0	616.8	646.0	664.2
37.5°	583.9	500.0	434.3	379.5	357.7	375.9	427.0	492.7	558.4	594.9	620.4
40°	521.9	416.0	339.4	295.6	273.7	292.0	343.1	408.7	496.3	543.8	576.6
42.5°	459.8	343.1	273.7	229.9	219.0	229.9	270.1	335.8	430.6	489.0	532.8
45°	397.8	284.7	219.0	186.1	175.2	186.1	219.0	273.7	368.6	434.3	485.4
47.5°	343.1	240.9	182.5	153.3	146.0	156.9	182.5	229.9	310.2	375.9	434.3
50°	299.3	211.7	156.9	131.4	124.1	135.0	156.9	193.4	262.8	321.2	383.2
52.5°	270.1	197.1	138.7	113.1	109.5	116.8	135.0	164.2	222.6	273.7	332.1
55°	262.8	197.1	127.7	102.2	98.5	105.8	120.4	142.3	193.4	237.2	288.3
57.5°	270.1	211.7	120.4	87.6	83.9	91.2	105.8	124.1	167.9	204.4	251.8
60°	270.1	215.3	105.8	69.3	65.7	73.0	87.6	109.5	149.6	178.8	219.0
62.5°	244.5	197.1	87.6	54.7	47.4	54.7	73.0	91.2	131.4	160.6	193.4
65°	211.7	167.9	73.0	40.1	32.8	40.1	58.4	76.6	113.1	138.7	175.2
67.5°	171.5	127.7	54.7	29.2	21.9	29.2	43.8	62.0	94.9	120.4	156.9
70°	127.7	91.2	43.8	25.5	21.9	25.5	40.1	58.4	83.9	109.5	146.0
72.5°	94.9	62.0	36.5	25.5	18.2	25.5	36.5	54.7	80.3	105.8	138.7
75°	80.3	51.1	32.8	21.9	18.2	21.9	32.8	51.1	73.0	98.5	131.4
77.5°	76.6	47.4	29.2	18.2	14.6	18.2	29.2	43.8	65.7	91.2	127.7
80°	65.7	40.1	25.5	14.6	10.9	14.6	25.5	36.5	51.1	69.3	98.5
82.5°	51.1	32.8	18.2	7.3	3.6	7.3	18.2	21.9	32.8	40.1	58.4
85°	32.8	18.2	7.3	0.0	0.0	0.0	7.3	14.6	14.6	18.2	29.2
87.5°	14.6	3.6	0.0	0.0	0.0	0.0	0.0	0.0	3.6	7.3	10.9
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-SA6F-750-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1642.3	1642.3	1642.3	1642.3	1642.3	1642.3	1642.3	1642.3	1642.3	1642.3
2.5°	1540.1	1543.7	1551.0	1562.0	1587.5	1609.4	1631.3	1660.5	1675.1	1675.1
5°	1394.1	1397.8	1401.4	1416.0	1452.5	1481.7	1529.1	1587.5	1616.7	1624.0
7.5°	1281.0	1288.3	1295.6	1306.5	1343.0	1383.2	1445.2	1554.7	1609.4	1620.4
10°	1215.3	1226.2	1240.8	1262.7	1295.6	1339.4	1445.2	1642.3	1733.5	1751.8
12.5°	1164.2	1182.4	1197.0	1222.6	1262.7	1332.1	1543.7	1890.4	2051.0	2094.8
15°	1113.1	1135.0	1156.9	1182.4	1226.2	1357.6	1733.5	2335.7	2602.1	2634.9
17.5°	1062.0	1087.5	1116.7	1145.9	1200.7	1419.7	2032.8	2952.4	3324.7	3397.7
20°	1003.6	1036.5	1076.6	1113.1	1175.1	1518.2	2448.8	3686.0	4153.1	4310.1
22.5°	941.6	981.7	1029.2	1076.6	1145.9	1638.6	2952.4	4474.3	5127.5	5229.7
25°	890.5	930.6	974.4	1021.9	1098.5	1784.6	3561.9	5452.3	6047.2	6145.8
27.5°	843.0	883.2	923.3	967.1	1051.1	1974.4	4295.5	6492.5	7112.9	7215.1
30°	791.9	839.4	879.5	923.3	1007.3	2207.9	5142.1	7645.7	8233.3	8328.2
32.5°	748.1	795.6	835.7	879.5	974.4	2463.4	6032.6	8667.6	9145.6	9145.6
35°	711.7	762.7	791.9	850.3	948.9	2627.6	6875.7	9642.0	10003.3	9988.7
37.5°	671.5	733.5	755.4	795.6	916.0	2645.9	7667.6	10671.1	10937.5	10842.7
40°	631.4	697.1	729.9	751.8	879.5	2496.3	8536.2	11616.3	11842.6	11718.5
42.5°	594.9	646.0	693.4	719.0	857.6	2233.5	9233.2	12627.3	12897.3	12787.8
45°	558.4	602.2	631.4	678.8	872.2	2051.0	9831.7	13806.0	14280.5	14200.2
47.5°	521.9	558.4	576.6	649.6	970.8	1967.1	10196.7	15630.8	16524.9	16459.2
50°	481.7	525.5	525.5	642.3	1116.7	1996.3	10514.2	18273.0	19656.2	19634.3
52.5°	441.6	489.0	481.7	697.1	1229.9	2131.3	10875.5	20605.1	23010.1	23210.8
55°	401.4	445.2	452.5	806.5	1295.6	2248.1	9477.7	21586.8	25874.9	26579.3
57.5°	357.7	383.2	470.8	890.5	1273.7	2587.5	6492.5	21765.6	27703.3	29214.2
60°	310.2	332.1	532.8	872.2	1204.3	2390.4	4087.4	20159.8	27444.2	29360.2
62.5°	270.1	306.6	562.0	770.0	1226.2	2072.9	2605.7	17181.8	24973.5	27159.6
65°	237.2	295.6	510.9	697.1	1240.8	1405.1	1759.1	13977.6	22561.2	24641.4
67.5°	211.7	328.5	419.7	620.4	1065.7	989.0	1208.0	10860.9	18970.1	20835.0
70°	193.4	335.8	343.1	532.8	824.8	635.0	795.6	7309.9	13076.1	15207.5
72.5°	175.2	248.2	259.1	427.0	532.8	386.8	514.6	4182.3	9532.5	10985.0
75°	167.9	167.9	178.8	277.4	295.6	281.0	332.1	2496.3	6835.5	7897.5
77.5°	156.9	127.7	113.1	178.8	160.6	200.7	197.1	1109.4	2963.4	3204.3
80°	124.1	91.2	76.6	113.1	109.5	135.0	116.8	91.2	135.0	131.4
82.5°	76.6	58.4	54.7	69.3	62.0	69.3	54.7	14.6	14.6	14.6
85°	36.5	32.8	29.2	29.2	32.8	29.2	21.9	7.3	3.6	3.6
87.5°	18.2	18.2	14.6	10.9	14.6	14.6	10.9	3.6	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

(END OF REPORT)