

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: P642774

Luminaire Tested: GWS-SA6D-750-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642774
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-43)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-750-U-SLR-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28668.9 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G3

Input Watts (W): 245.7
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

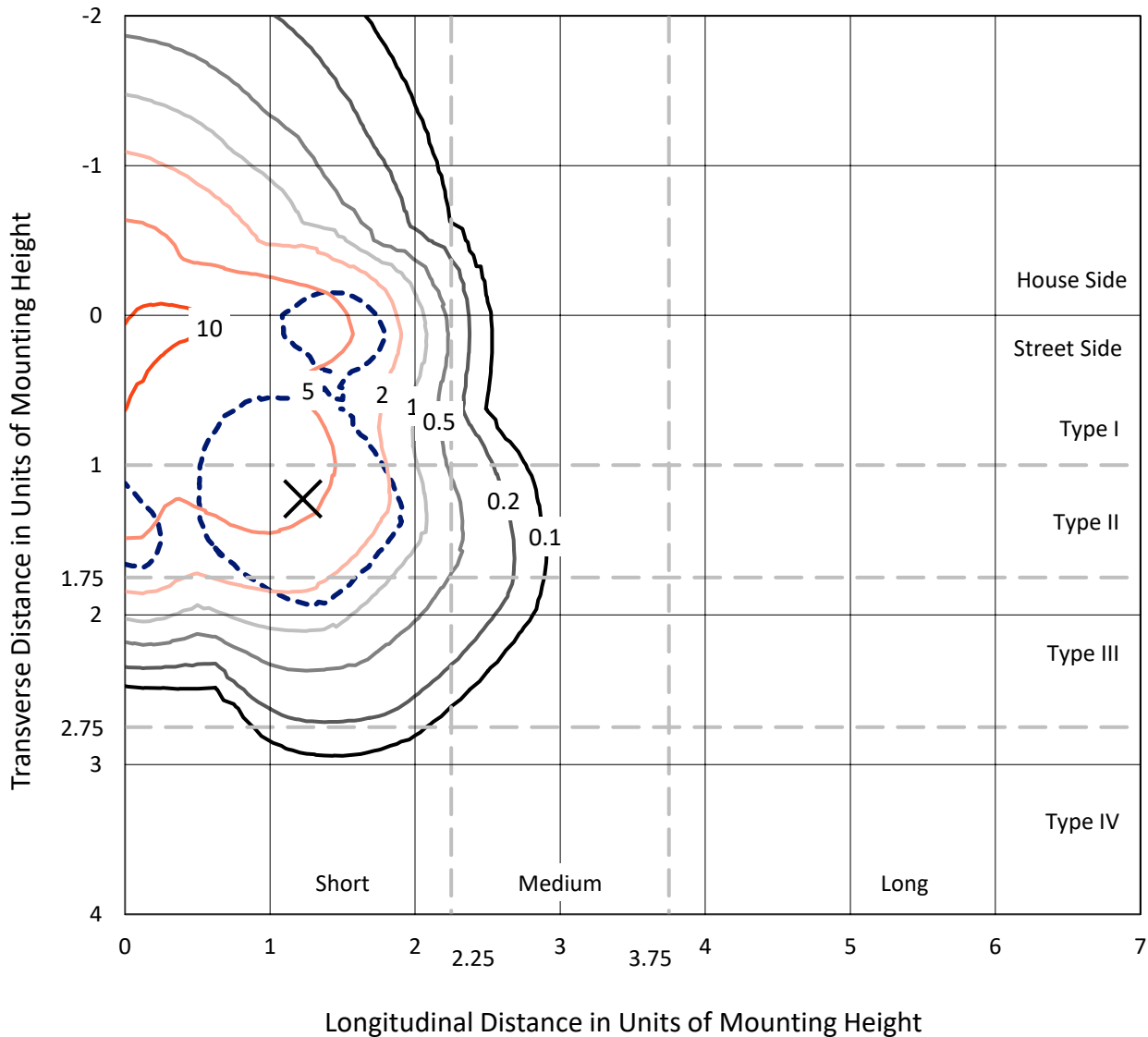


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Iso-Footcandle Lines of Horizontal Illumination

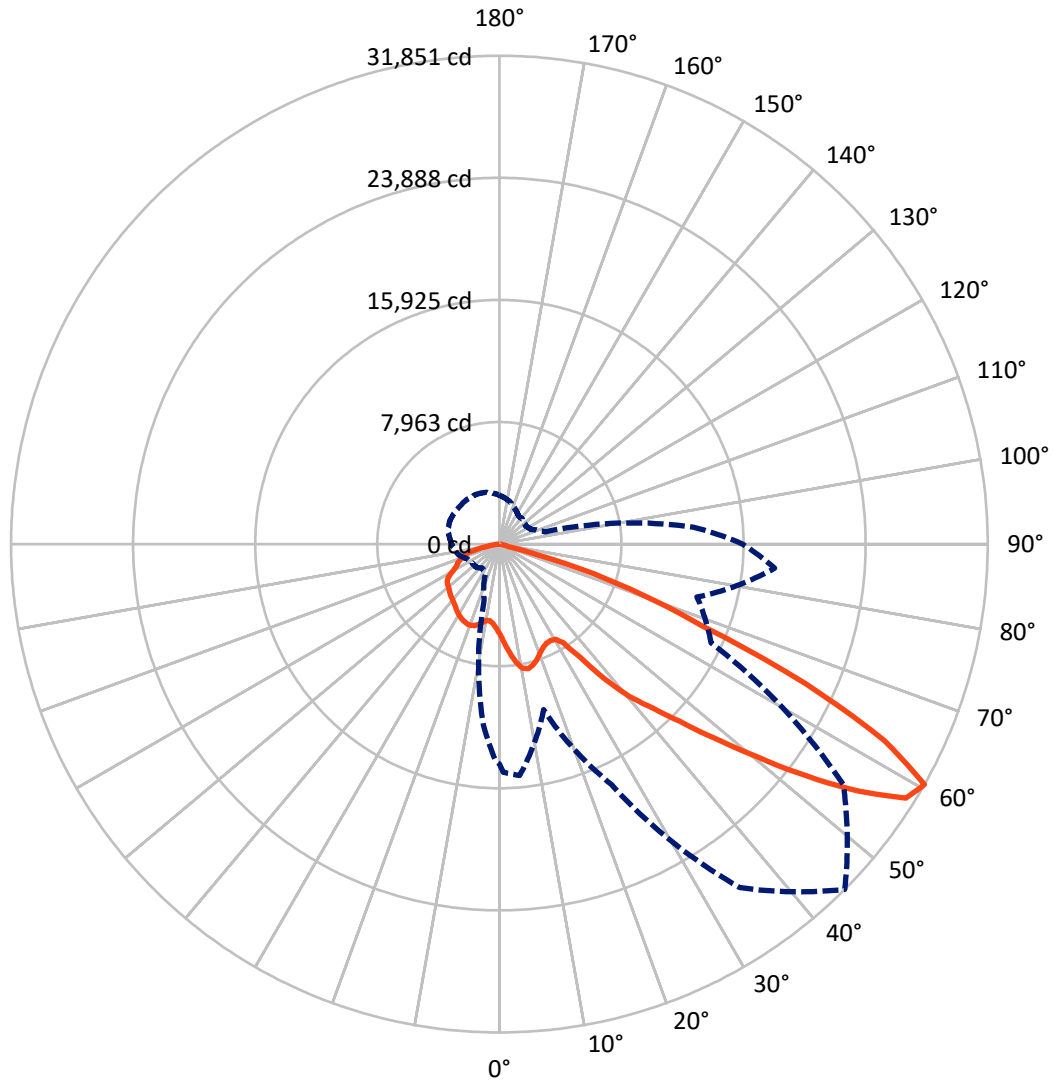
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10049.5	0.0	10049.5
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	18619.4	0.0	18619.4
	% Fixture	64.9	0.0	64.9
Total	Lumens	28668.9	0.0	28668.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	574.6	2.0
10°-20°	1815.8	6.3
20°-30°	2949.5	10.3
30°-40°	4159.7	14.5
40°-50°	5748.6	20.1
50°-60°	7400.1	25.8
60°-70°	4688.8	16.4
70°-80°	1203.1	4.2
80°-90°	128.7	0.4
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°	28668.9	100.0
0°-180°	28668.9	100.0

Coefficient of Utilization



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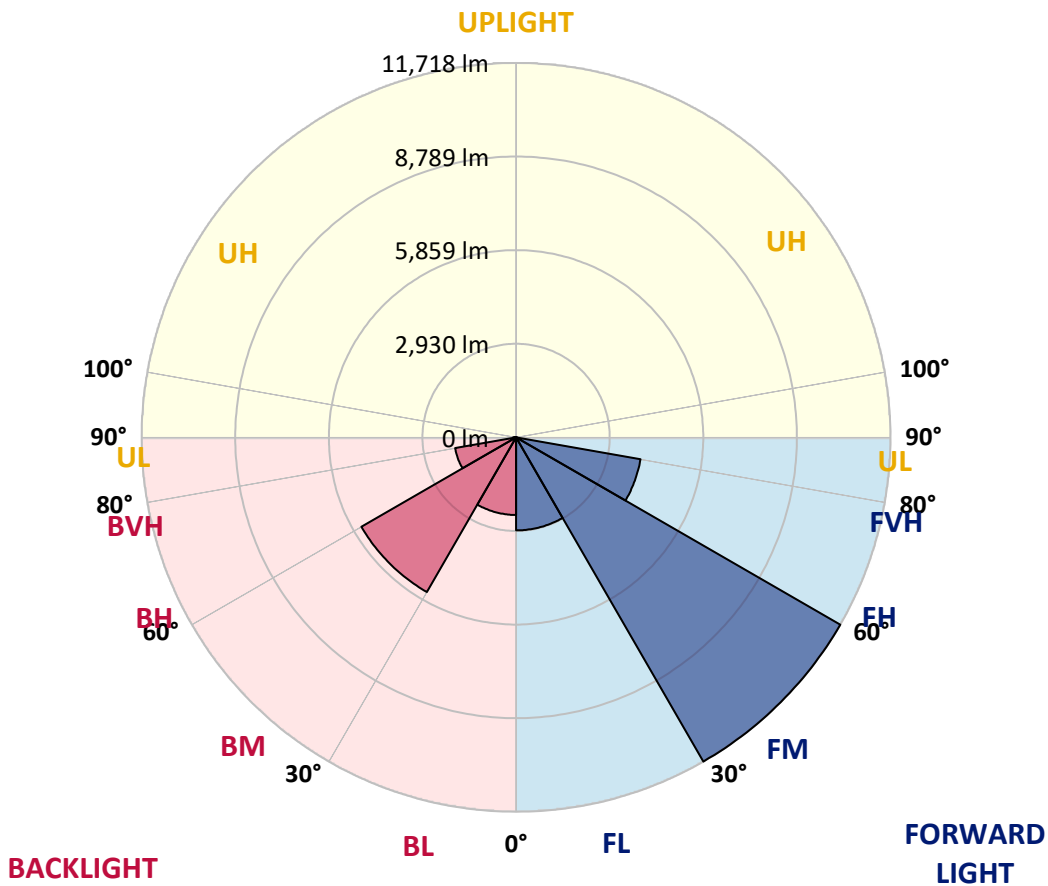
CATALOG NUMBER: GWS-SA6D-750-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2911.0	10.2			
FM (30°-60°)	11718.2	40.9			
FH (60°-80°)	3955.3	13.8			G2/5000
FVH (80°-90°)	34.9	0.1			G1/100
BL (0°-30°)	2428.9	8.5	B3/2500		
BM (30°-60°)	5590.2	19.5	B4/8500		
BH (60°-80°)	1936.6	6.8	B3/2500		G3/2500
BVH (80°-90°)	93.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5889.4	5889.4	5889.4	5889.4	5889.4	5889.4	5889.4	5889.4	5889.4	5889.4	5889.4
2.5°	6160.0	6202.0	6228.3	6278.2	6367.5	6417.4	6472.6	6412.2	6427.9	6420.1	6322.9
5°	6525.1	6575.0	6643.3	6790.4	6955.9	7047.9	7134.6	7121.4	7040.0	6903.4	6806.2
7.5°	6866.6	6924.4	7042.6	7281.7	7526.0	7667.8	7772.9	7704.6	7636.3	7420.9	7176.6
10°	7134.6	7168.7	7329.0	7649.4	7933.1	8093.4	8222.1	8206.3	8111.8	7870.1	7541.7
12.5°	7386.7	7410.4	7583.8	7904.2	8159.0	8230.0	8335.0	8369.2	8337.7	8156.4	7833.3
15°	7657.3	7702.0	7862.2	8106.5	8222.1	8148.5	8185.3	8279.9	8369.2	8369.2	8072.4
17.5°	7909.5	7948.9	8111.8	8216.8	8106.5	7912.1	7922.6	8043.5	8256.2	8479.5	8290.4
20°	8132.8	8169.6	8329.8	8230.0	7880.6	7596.9	7589.0	7736.1	8080.2	8550.4	8524.2
22.5°	8377.1	8429.6	8563.6	8240.5	7670.4	7310.6	7307.9	7460.3	7925.3	8621.4	8792.1
25°	8723.8	8805.3	8873.6	8332.4	7557.5	7124.1	7158.2	7302.7	7875.3	8737.0	9188.8
27.5°	9238.7	9304.4	9299.1	8524.2	7552.2	7047.9	7118.8	7286.9	7964.7	8941.9	9606.4
30°	9795.6	9829.7	9774.6	8792.1	7673.1	7095.2	7200.2	7399.9	8190.6	9280.7	10221.1
32.5°	10412.9	10454.9	10349.8	9194.0	7954.1	7444.5	7675.7	7772.9	8508.4	9769.3	10872.6
35°	11122.1	11203.6	10985.6	9724.7	8781.6	8718.6	9054.8	8928.7	9183.5	10347.2	11568.7
37.5°	11868.2	11870.8	11558.2	10510.1	10405.0	10512.7	11185.2	10791.2	10615.2	10990.8	12278.0
40°	12501.3	12485.5	12004.8	11568.7	11818.3	12246.4	13058.1	12454.0	11991.6	11855.0	12866.4
42.5°	13134.3	13076.5	12590.6	12241.2	12792.8	13672.8	14589.6	13848.8	12874.3	12640.5	13446.9
45°	13943.4	13925.0	13339.2	12509.1	13672.8	15270.0	16486.2	15285.7	13397.0	13097.6	14413.6
47.5°	15249.0	15159.6	14069.5	12488.1	14497.7	17397.7	18934.4	17095.6	13762.1	13108.1	15974.0
50°	16525.6	16415.3	14941.6	12485.5	15348.8	19604.3	21824.0	19294.3	14135.2	13171.1	17560.6
52.5°	17815.4	17815.4	16373.3	12782.3	16241.9	22068.3	25162.7	22034.1	14770.9	13995.9	19512.4
55°	18582.4	18787.3	17983.5	13284.1	17287.4	24968.4	28464.7	24992.0	15753.3	15485.4	21314.4
57.5°	17607.9	17991.4	17875.8	12934.7	17904.7	27098.7	31265.0	27235.3	16239.3	15661.4	21043.8
60°	14347.9	14881.2	15146.5	11169.4	17295.3	27345.7	31850.7	27382.4	15235.8	13336.6	18025.6
62.5°	9538.1	9976.8	10381.4	7980.4	14973.1	24600.6	28170.5	24608.5	12724.5	9953.2	12488.1
65°	4678.4	5004.2	5440.2	4717.9	11697.4	20555.2	21963.2	19885.4	9204.5	5571.6	6370.1
67.5°	1224.1	1316.1	1376.5	1830.9	8379.7	14768.2	14324.3	14545.0	5913.1	1820.4	1665.4
70°	635.7	641.0	638.3	756.5	5663.5	9385.8	9871.8	9133.6	4126.8	761.8	656.7
72.5°	454.4	457.1	449.2	509.6	2734.6	5377.2	5571.6	5511.2	2161.9	451.8	449.2
75°	296.8	299.5	294.2	299.5	412.4	612.1	564.8	593.7	359.9	286.3	286.3
77.5°	176.0	178.6	176.0	181.3	176.0	176.0	162.9	162.9	155.0	155.0	157.6
80°	118.2	118.2	115.6	120.8	110.3	110.3	105.1	102.4	94.6	91.9	91.9
82.5°	70.9	73.6	70.9	70.9	65.7	65.7	60.4	57.8	49.9	49.9	47.3
85°	36.8	36.8	34.1	34.1	28.9	26.3	21.0	21.0	15.8	13.1	13.1
87.5°	5.3	5.3	2.6	2.6	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-SA6D-750-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5889.4	5889.4	5889.4	5889.4	5889.4	5889.4	5889.4	5889.4	5889.4	5889.4	5889.4
2.5°	6296.6	6244.1	6165.3	6089.1	6018.1	5944.6	5860.5	5773.9	5700.3	5624.1	5584.7
5°	6677.5	6569.8	6364.9	6183.6	6020.8	5886.8	5742.3	5618.9	5503.3	5408.7	5361.4
7.5°	7021.6	6853.5	6543.5	6257.2	6036.5	5852.7	5653.0	5469.1	5314.1	5198.6	5153.9
10°	7339.5	7139.8	6732.7	6370.1	6112.7	5907.8	5663.5	5414.0	5209.1	5056.7	5019.9
12.5°	7596.9	7368.4	6882.4	6462.1	6157.4	5936.7	5721.3	5505.9	5303.6	5106.6	5075.1
15°	7825.4	7554.9	6995.3	6519.9	6141.6	5860.5	5679.3	5463.0	5263.0	5072.7	5046.7
17.5°	8022.4	7725.6	7087.3	6546.1	6041.8	5634.6	5524.3	5252.8	5010.3	4850.0	4708.2
20°	8248.4	7888.5	7163.5	6546.1	5857.9	5348.3	5337.8	5126.6	4907.5	4710.1	4560.4
22.5°	8476.9	8077.6	7252.8	6522.5	5605.7	5017.3	5211.7	4962.5	4760.4	4560.8	4402.4
25°	8847.3	8340.3	7394.6	6504.1	5311.5	4791.4	5098.7	4823.3	4576.6	4392.0	4255.3
27.5°	9317.5	8687.0	7610.0	6533.0	5019.9	4657.4	4977.9	4630.0	4361.1	4195.0	4047.8
30°	9842.9	9086.3	7841.2	6582.9	4809.8	4589.1	4833.4	4493.5	4224.7	4058.6	3937.6
32.5°	10512.7	9519.8	8040.8	6514.6	4691.6	4555.0	4681.1	4367.6	4090.9	3917.9	3793.3
35°	11313.9	9997.8	8193.2	6246.7	4583.9	4518.2	4515.6	4231.2	3988.8	3822.7	3735.9
37.5°	12052.1	10557.4	8361.3	5787.0	4389.5	4426.3	4321.2	4089.5	3844.5	3678.4	3571.0
40°	12782.3	11124.8	8595.1	5201.2	4134.7	4221.4	4097.9	3845.2	3568.7	3444.7	3328.7
42.5°	13491.6	11637.0	8842.0	4602.3	3879.9	3935.0	3843.1	3590.4	3319.1	3139.8	3034.3
45°	14263.9	12330.5	9033.8	4037.5	3659.2	3635.6	3562.0	3303.3	3024.7	2866.4	2779.3
47.5°	15724.4	13423.3	9159.9	3661.9	3541.0	3370.3	3286.2	3033.3	2764.0	2619.3	2534.9
50°	17508.1	15004.7	9123.1	3422.8	3438.6	3097.1	3068.2	2826.6	2599.0	2453.8	2370.5
52.5°	18921.3	16557.1	8705.4	3194.3	3238.9	2923.7	2839.6	2612.3	2399.3	2260.3	2184.3
55°	20001.0	17079.9	7423.5	2923.7	2913.2	2797.6	2621.6	2478.9	2299.5	2144.2	2089.3
57.5°	19121.0	15916.2	5503.3	2550.7	2487.6	2548.1	2377.3	2234.6	2015.6	1854.7	1804.4
60°	15868.9	12690.4	3065.6	2259.1	2080.5	2227.6	2201.3	2077.1	1816.0	1668.2	1619.9
62.5°	10772.8	8450.6	1817.8	1786.3	1686.4	1896.6	2035.8	2217.1	2550.7	2755.6	2876.4
65°	5369.3	4105.8	1208.4	1337.1	1350.2	1560.4	1823.0	2022.7	2301.1	2511.3	2632.1
67.5°	1557.7	1276.7	919.4	1021.9	1163.7	1331.8	1542.0	1778.4	2049.0	2298.5	2440.4
70°	672.5	680.4	730.3	851.1	990.3	1163.7	1373.9	1605.0	1833.6	2025.3	2133.0
72.5°	475.5	493.9	549.0	672.5	803.8	969.3	1179.5	1402.7	1568.2	1762.6	1875.6
75°	304.7	317.9	362.5	457.1	554.3	714.5	914.1	1119.0	1289.8	1429.0	1536.7
77.5°	168.1	170.7	207.5	262.7	328.4	430.8	577.9	738.1	864.2	943.0	1040.2
80°	97.2	97.2	115.6	149.7	189.1	252.2	333.6	412.4	488.6	538.5	585.8
82.5°	52.5	52.5	60.4	81.4	102.4	139.2	186.5	225.9	273.2	299.5	331.0
85°	15.8	15.8	21.0	28.9	36.8	52.5	73.6	94.6	115.6	134.0	152.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
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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CATALOG NUMBER: GWS-SA6D-750-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5889.4	5889.4	5889.4	5889.4	5889.4	5889.4	5889.4	5889.4	5889.4	5889.4	5889.4
2.5°	5576.8	5540.1	5519.0	5492.8	5500.7	5477.0	5463.9	5471.8	5424.5	5471.8	5519.0
5°	5343.0	5290.5	5248.5	5214.3	5198.6	5167.0	5148.7	5148.7	5119.8	5167.0	5224.8
7.5°	5138.1	5096.1	5075.1	5054.1	5030.4	5001.6	4970.0	4959.5	4941.1	4991.0	5041.0
10°	5001.6	5006.8	5019.9	5048.8	5043.6	5025.2	4977.9	4951.6	4951.6	5009.4	5085.6
12.5°	5064.6	5119.8	5151.3	5203.8	5214.3	5198.6	5151.3	5130.3	5182.8	5269.5	5395.6
15°	5308.9	5345.7	5371.9	5414.0	5411.3	5398.2	5361.4	5377.2	5550.6	5718.7	5831.6
17.5°	5574.2	5532.2	5526.9	5553.2	5561.1	5545.3	5524.3	5595.2	5881.6	6039.2	6097.0
20°	5766.0	5621.5	5590.0	5600.5	5621.5	5613.6	5613.6	5729.2	6026.0	6099.6	6026.0
22.5°	5823.8	5618.9	5571.6	5574.2	5603.1	5605.7	5618.9	5739.7	5913.1	5915.7	5802.7
25°	5731.8	5534.8	5500.7	5505.9	5540.1	5537.4	5542.7	5611.0	5687.2	5655.6	5571.6
27.5°	5558.4	5387.7	5377.2	5406.1	5450.7	5427.1	5411.3	5429.7	5466.5	5427.1	5353.6
30°	5361.4	5217.0	5222.2	5277.4	5324.7	5285.3	5245.9	5256.4	5259.0	5217.0	5132.9
32.5°	5153.9	5046.2	5064.6	5122.4	5177.6	5135.5	5093.5	5088.2	5038.3	4988.4	4907.0
35°	4946.4	4904.4	4928.0	4975.3	5022.6	4988.4	4962.1	4946.4	4838.7	4765.1	4696.8
37.5°	4757.3	4788.8	4830.8	4859.7	4875.5	4872.8	4857.1	4820.3	4678.4	4591.8	4502.4
40°	4589.1	4686.3	4731.0	4744.1	4767.8	4762.5	4759.9	4707.3	4520.8	4428.9	4326.4
42.5°	4436.8	4573.4	4649.6	4662.7	4675.8	4678.4	4670.6	4594.4	4381.6	4273.9	4176.7
45°	4289.7	4468.3	4565.5	4552.4	4570.7	4570.7	4578.6	4478.8	4245.0	4134.7	4032.2
47.5°	4161.0	4371.1	4460.4	4444.7	4455.2	4463.0	4470.9	4355.3	4095.3	3990.2	3885.1
50°	4042.7	4266.0	4342.2	4347.5	4347.5	4365.9	4363.2	4250.3	3969.2	3856.2	3751.2
52.5°	3916.7	4158.3	4239.8	4273.9	4284.4	4292.3	4255.5	4124.2	3840.5	3703.9	3606.7
55°	3769.6	4048.0	4121.6	4166.2	4187.2	4182.0	4132.1	3998.1	3709.1	3572.5	3462.2
57.5°	3546.3	3811.6	3916.7	3937.7	3971.8	3950.8	3893.0	3780.1	3499.0	3362.4	3249.4
60°	3302.0	3493.7	3577.8	3596.2	3569.9	3577.8	3569.9	3462.2	3217.9	3110.2	2994.6
62.5°	2981.5	3152.2	3241.6	3265.2	3220.5	3249.4	3238.9	3105.0	2860.7	2747.7	2645.3
65°	2739.8	2926.3	3031.4	3044.5	3031.4	3044.5	3007.8	2844.9	2613.7	2498.1	2393.1
67.5°	2550.7	2742.4	2852.8	2889.6	2876.4	2873.8	2816.0	2626.9	2387.8	2261.7	2127.8
70°	2225.0	2393.1	2534.9	2624.2	2624.2	2574.3	2464.0	2288.0	2096.2	1988.5	1883.5
72.5°	1970.1	2182.9	2322.1	2414.1	2432.5	2403.6	2248.6	2062.1	1841.4	1733.7	1623.4
75°	1623.4	1830.9	1980.7	2101.5	2125.1	2093.6	1915.0	1731.1	1526.2	1421.1	1310.8
77.5°	1084.9	1208.4	1329.2	1439.5	1415.9	1436.9	1316.1	1176.8	1050.7	971.9	922.0
80°	612.1	693.5	730.3	790.7	790.7	790.7	711.9	646.2	575.3	530.6	480.7
82.5°	346.7	399.3	415.0	465.0	478.1	480.7	428.2	386.1	341.5	317.9	283.7
85°	160.2	189.1	191.8	220.7	231.2	252.2	228.5	199.6	173.4	162.9	141.9
87.5°	5.3	15.8	21.0	39.4	52.5	60.4	65.7	65.7	55.2	49.9	42.0
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-SA6D-750-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	5889.4	5889.4	5889.4	5889.4	5889.4	5889.4	5889.4	5889.4	5889.4	5889.4
2.5°	5576.8	5639.9	5713.4	5766.0	5860.5	5939.3	6020.8	6110.1	6175.8	6160.0
5°	5295.8	5400.8	5534.8	5658.3	5834.3	6012.9	6209.9	6412.2	6530.4	6525.1
7.5°	5138.1	5287.9	5450.7	5616.2	5823.8	6081.2	6383.3	6698.5	6858.7	6866.6
10°	5222.2	5382.4	5492.8	5632.0	5850.0	6173.1	6535.6	6913.9	7097.8	7134.6
12.5°	5487.5	5474.4	5466.5	5566.3	5829.0	6238.8	6682.7	7134.6	7342.1	7386.7
15°	5739.7	5469.1	5306.3	5374.6	5734.4	6280.8	6827.2	7376.2	7610.0	7657.3
17.5°	5787.0	5377.2	5075.1	5122.4	5584.7	6294.0	6966.4	7612.7	7864.8	7909.5
20°	5655.6	5259.0	4907.0	4841.3	5395.6	6259.8	7053.1	7809.7	8085.5	8132.8
22.5°	5490.1	5153.9	4780.9	4610.1	5164.4	6225.7	7150.3	8017.2	8335.0	8377.1
25°	5316.8	5019.9	4662.7	4402.6	4901.7	6204.7	7313.2	8290.4	8673.9	8723.8
27.5°	5132.9	4857.1	4560.2	4302.8	4660.1	6230.9	7544.4	8731.7	9167.8	9238.7
30°	4935.9	4694.2	4494.6	4268.7	4494.6	6254.6	7799.2	9183.5	9695.8	9795.6
32.5°	4731.0	4544.5	4426.3	4284.4	4392.1	6199.4	8022.4	9690.5	10326.2	10412.9
35°	4526.1	4392.1	4339.6	4313.3	4255.5	5997.1	8203.7	10202.7	11046.0	11122.1
37.5°	4334.3	4234.5	4218.7	4247.6	4045.4	5666.1	8413.9	10854.2	11752.6	11868.2
40°	4155.7	4063.8	4061.1	4055.9	3814.2	5214.3	8697.6	11516.2	12448.7	12501.3
42.5°	3990.2	3874.6	3895.6	3832.6	3625.1	4725.7	8965.5	12081.0	13097.6	13134.3
45°	3843.1	3690.7	3714.4	3635.6	3535.8	4213.5	9201.9	12748.2	13919.8	13943.4
47.5°	3701.3	3538.4	3472.7	3467.5	3520.0	3740.7	9433.1	14032.7	15206.9	15249.0
50°	3569.9	3393.9	3207.4	3323.0	3422.8	3386.0	9722.0	15409.2	16536.1	16525.6
52.5°	3443.8	3212.7	2947.3	3170.6	3170.6	3123.3	9640.6	16244.5	17634.1	17815.4
55°	3299.3	2921.1	2676.8	2915.8	2800.2	2886.9	8198.4	16517.7	18325.0	18582.4
57.5°	3013.0	2561.2	2348.4	2477.1	2303.8	2676.8	5889.4	15162.3	17150.8	17607.9
60°	2737.2	2295.9	2156.7	2133.0	1907.1	2182.9	3816.8	11870.8	14116.8	14347.9
62.5°	2414.1	2067.3	1949.1	1767.9	1534.1	1589.3	2311.6	7812.3	9485.6	9538.1
65°	2169.8	1873.0	1647.0	1431.6	1255.6	1153.2	1366.0	3766.9	4741.5	4678.4
67.5°	1862.4	1605.0	1389.6	1234.6	1090.1	961.4	908.9	1119.0	1266.1	1224.1
70°	1657.6	1410.6	1203.1	1056.0	922.0	793.3	701.4	659.3	646.2	635.7
72.5°	1429.0	1213.6	998.2	856.4	730.3	612.1	528.0	478.1	465.0	454.4
75°	1140.1	937.8	740.8	606.8	496.5	412.4	357.3	315.2	307.3	296.8
77.5°	753.9	601.6	441.3	359.9	294.2	249.6	212.8	186.5	181.3	176.0
80°	415.0	346.7	270.6	218.0	176.0	152.4	139.2	123.5	120.8	118.2
82.5°	246.9	207.5	155.0	123.5	102.4	91.9	84.1	76.2	73.6	70.9
85°	123.5	97.2	68.3	57.8	52.5	47.3	47.3	39.4	36.8	36.8
87.5°	31.5	26.3	15.8	13.1	13.1	13.1	10.5	7.9	7.9	5.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)