

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: P642775

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642775
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-SA6D-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: 22740.2 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

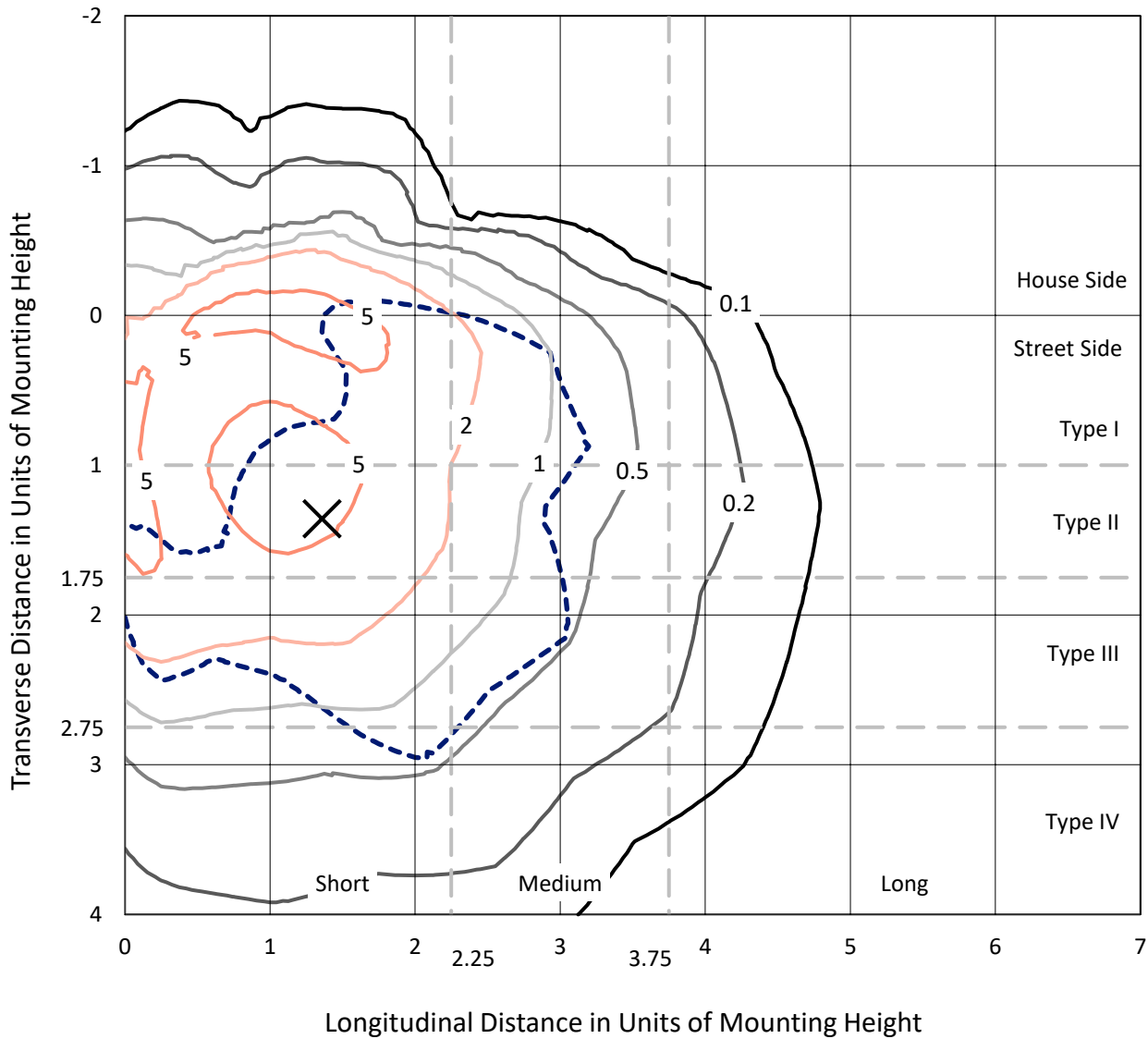
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

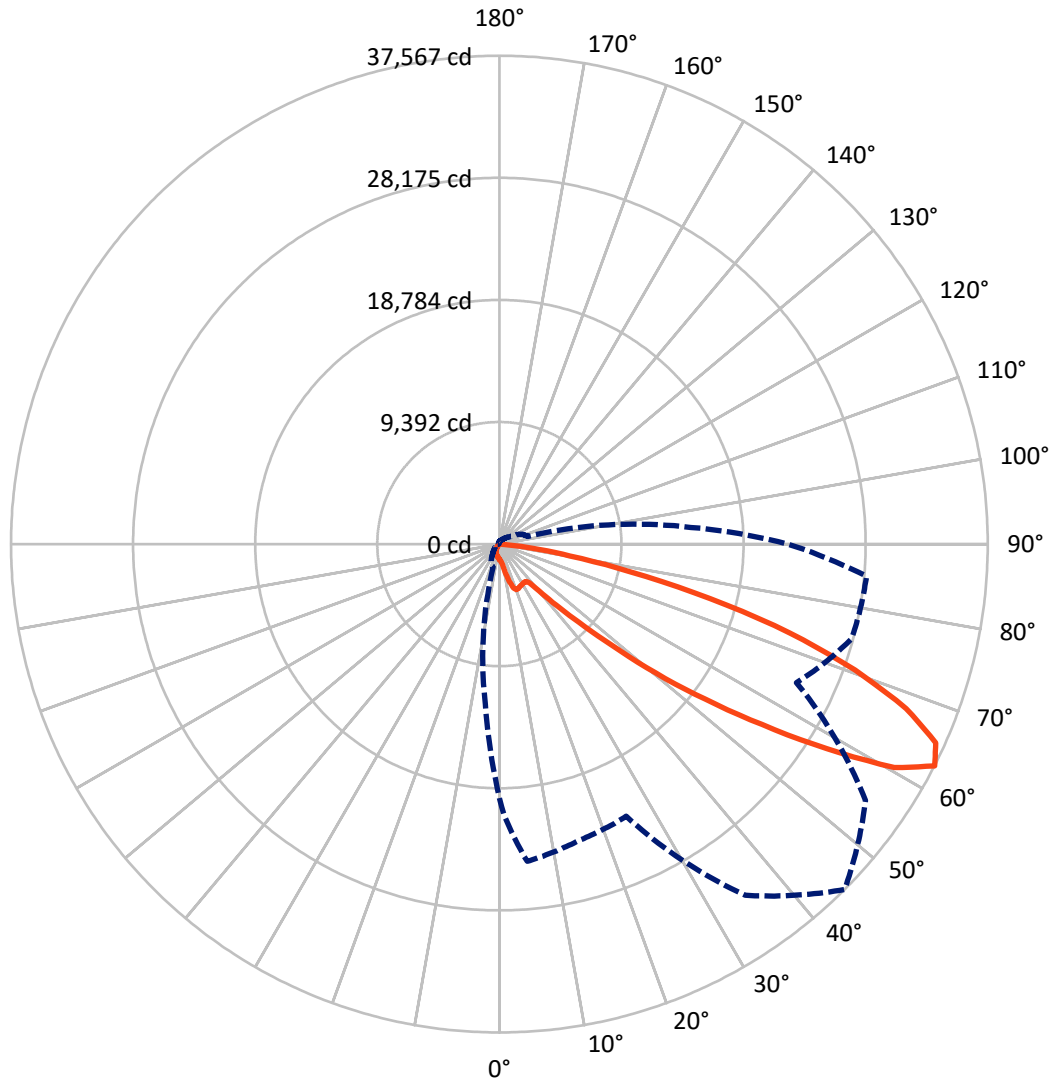
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 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	2806.1	0.0	2806.1
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	19934.1	0.0	19934.1
	% Fixture	87.7	0.0	87.7
Total	Lumens	22740.2	0.0	22740.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.9	0.5
10°-20°	396.5	1.7
20°-30°	861.8	3.8
30°-40°	1414.6	6.2
40°-50°	2600.5	11.4
50°-60°	5584.7	24.6
60°-70°	7501.1	33.0
70°-80°	3905.9	17.2
80°-90°	370.3	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°	22740.2	100.0
0°-180°	22740.2	100.0

Coefficient of Utilization

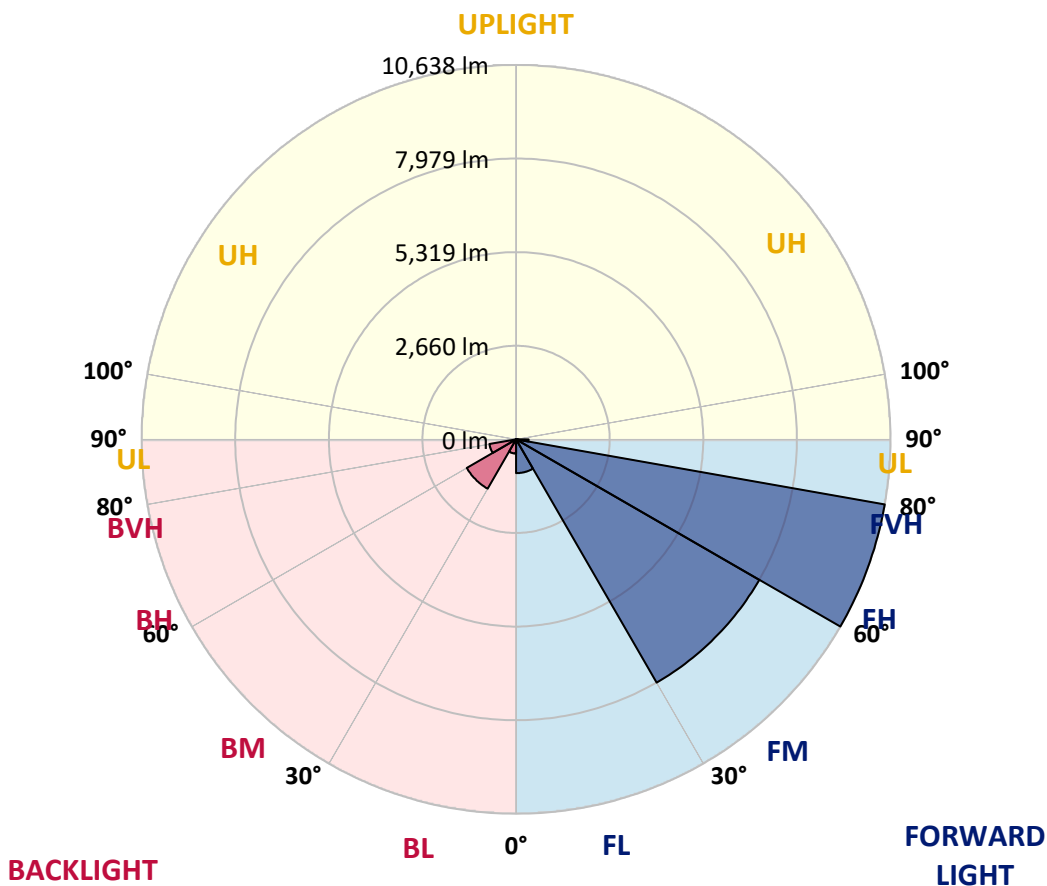


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	960.7	4.2			
FM (30°-60°)	7981.5	35.1			
FH (60°-80°)	10638.1	46.8			G4/12000
FVH (80°-90°)	353.8	1.6			G3/500
BL (0°-30°)	402.5	1.8	B1/500		
BM (30°-60°)	1618.2	7.1	B2/2500		
BH (60°-80°)	768.9	3.4	B2/1000		G2/1000
BVH (80°-90°)	16.5	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-G4
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1182.0	1182.0	1182.0	1182.0	1182.0	1182.0	1182.0	1182.0	1182.0	1182.0	1182.0
2.5°	1205.7	1210.9	1216.2	1234.5	1247.7	1258.2	1260.8	1252.9	1234.5	1216.2	1189.9
5°	1168.9	1174.1	1192.5	1242.4	1292.3	1331.7	1344.9	1337.0	1292.3	1234.5	1174.1
7.5°	1166.3	1176.8	1221.4	1326.5	1434.2	1515.6	1536.6	1518.2	1434.2	1318.6	1195.1
10°	1260.8	1279.2	1344.9	1534.0	1731.0	1875.5	1933.3	1854.4	1720.5	1510.4	1308.1
12.5°	1507.7	1539.2	1665.3	1941.1	2245.8	2437.6	2516.4	2419.2	2209.1	1904.4	1583.9
15°	1896.5	1943.8	2132.9	2545.3	2905.1	3075.9	3102.1	3047.0	2802.7	2466.5	2035.7
17.5°	2445.5	2513.8	2807.9	3228.2	3488.3	3548.7	3540.8	3483.0	3304.4	3073.2	2666.1
20°	3102.1	3183.6	3472.5	3819.2	3845.5	3774.6	3735.2	3701.0	3640.6	3601.2	3283.4
22.5°	3764.1	3863.9	4165.9	4252.6	4016.2	3811.3	3714.2	3740.4	3829.7	4024.1	3895.4
25°	4423.4	4517.9	4801.6	4567.8	4095.0	3753.6	3630.1	3693.1	3905.9	4326.2	4491.7
27.5°	5193.0	5263.9	5432.0	4783.2	4108.2	3706.3	3585.4	3682.6	3942.7	4515.3	5145.7
30°	5994.1	6036.2	5954.7	4841.0	4063.5	3635.4	3540.8	3682.6	4005.7	4641.4	5636.9
32.5°	6582.5	6590.4	6325.1	4846.3	4039.9	3577.6	3498.8	3666.9	4066.1	4746.4	6112.3
35°	7189.3	7149.9	6679.7	4925.1	4102.9	3598.6	3530.3	3711.5	4160.7	4869.9	6530.0
37.5°	7803.9	7733.0	7076.3	5053.8	4265.8	3827.1	3785.1	3940.0	4313.0	5040.6	6989.6
40°	8434.3	8337.1	7488.7	5248.1	4628.2	4604.6	4749.1	4730.7	4730.7	5258.7	7462.5
42.5°	9204.0	9091.0	8098.1	5797.1	5474.0	6002.0	6396.0	6151.7	5699.9	5760.4	8077.1
45°	10220.5	10123.3	9154.0	6847.8	6800.5	8014.1	8544.7	8061.3	6937.1	6918.7	9104.1
47.5°	11846.4	11828.0	10837.8	8066.6	8423.8	10575.1	11599.5	10669.7	8347.6	8145.4	11047.9
50°	14131.6	14076.5	12936.5	9495.5	10354.4	13748.1	15576.3	14026.6	10052.4	9576.9	13651.0
52.5°	16705.8	16763.6	15875.8	11055.8	12405.9	17278.4	19823.7	17872.1	11904.2	11397.2	16926.4
55°	19130.2	19461.2	19227.4	12881.3	14410.1	21176.4	24488.7	22090.5	14197.3	13779.7	20598.6
57.5°	21026.7	21959.2	23598.3	15534.3	16766.2	25736.4	29697.5	26663.6	16873.9	17648.8	25597.2
60°	21131.8	22366.3	26172.4	21084.5	19797.4	29647.5	34898.3	31131.6	21081.9	24218.2	29513.6
62.5°	19547.9	20871.7	24496.6	23606.1	23099.2	32975.6	37567.0	34388.7	25221.6	28066.3	28352.6
65°	17735.5	19072.5	22626.4	20745.7	22715.7	32833.7	36889.4	34464.9	25597.2	25450.1	26274.9
67.5°	14995.8	16196.2	19413.9	18363.3	20937.4	31249.8	33758.3	32292.6	23582.5	23803.1	24170.9
70°	10945.5	12101.2	15087.8	15140.3	18284.4	28394.6	29006.6	28804.4	21717.5	21951.3	20900.6
72.5°	7906.4	8880.9	11457.7	12416.4	14596.6	23811.0	23388.1	24168.3	18633.8	19550.5	16787.2
75°	5684.2	6414.4	8405.4	10801.0	11570.6	17682.9	16742.6	18717.9	14951.2	16834.5	12621.3
77.5°	2306.2	2563.7	3307.0	7276.0	7604.3	11896.3	10249.4	13595.8	10659.1	11061.0	6117.6
80°	94.6	105.1	136.6	3756.2	5214.0	6692.8	5484.5	7268.1	7039.6	4454.9	1444.7
82.5°	10.5	10.5	23.6	1082.2	2282.6	3693.1	2584.7	4187.0	3564.4	1888.6	656.7
85°	2.6	2.6	5.3	123.5	535.8	591.0	349.4	1284.5	1657.4	772.2	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.1	23.6	26.3	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°	1182.0	1182.0	1182.0	1182.0	1182.0	1182.0	1182.0	1182.0	1182.0	1182.0	1182.0
2.5°	1189.9	1176.8	1161.0	1145.2	1137.4	1116.3	1108.5	1103.2	1098.0	1100.6	1100.6
5°	1150.5	1121.6	1087.5	1053.3	1034.9	1013.9	1003.4	998.1	1000.8	1011.3	1011.3
7.5°	1145.2	1090.1	1016.5	971.9	950.9	935.1	924.6	919.3	922.0	935.1	940.4
10°	1231.9	1134.7	1003.4	927.2	903.6	887.8	877.3	869.4	864.2	874.7	877.3
12.5°	1418.4	1284.5	1066.4	922.0	879.9	858.9	851.1	835.3	827.4	832.7	835.3
15°	1804.5	1573.4	1192.5	943.0	858.9	835.3	822.2	809.0	795.9	793.3	795.9
17.5°	2308.9	1977.9	1384.3	992.9	843.2	814.3	795.9	777.5	759.1	756.5	753.9
20°	2934.0	2474.4	1652.2	1071.7	830.0	795.9	769.6	743.4	719.7	711.8	711.8
22.5°	3504.0	3073.2	1996.3	1168.9	811.6	769.6	738.1	706.6	680.3	667.2	664.6
25°	4200.1	3708.9	2408.7	1281.8	785.4	735.5	701.3	669.8	643.5	627.8	622.5
27.5°	4901.4	4378.7	2876.2	1428.9	753.9	701.3	669.8	640.9	612.0	593.6	588.4
30°	5581.7	5101.0	3401.6	1612.8	730.2	667.2	640.9	612.0	585.8	556.9	549.0
32.5°	6312.0	5839.2	3990.0	1817.7	711.8	643.5	614.6	588.4	554.2	528.0	514.8
35°	7015.9	6600.9	4638.7	2017.3	693.4	622.5	591.0	564.7	528.0	499.1	480.7
37.5°	7725.1	7375.8	5316.4	2138.1	667.2	593.6	564.7	543.7	501.7	467.6	446.5
40°	8476.4	8176.9	6049.3	2088.2	643.5	562.1	546.4	522.7	475.4	436.0	409.8
42.5°	9301.1	8941.3	6795.3	1896.5	622.5	535.8	520.1	496.4	451.8	404.5	370.4
45°	10338.7	9779.2	7407.3	1607.5	633.0	509.6	478.1	472.8	430.8	370.4	328.3
47.5°	12122.2	11066.3	7882.7	1421.0	704.0	480.7	443.9	457.0	412.4	336.2	288.9
50°	14851.4	13199.2	8326.6	1407.9	811.6	467.6	412.4	446.5	394.0	302.1	254.8
52.5°	17451.8	15366.2	8610.3	1523.5	906.2	501.7	380.9	433.4	380.9	278.4	231.1
55°	19939.3	16616.5	8103.4	1607.5	995.5	604.1	357.2	412.4	365.1	265.3	223.3
57.5°	22621.1	17173.4	6380.3	1778.3	1058.6	690.8	362.5	380.9	344.1	257.4	220.6
60°	23422.3	16461.5	3850.7	2001.5	1024.4	717.1	401.9	338.8	315.2	241.7	212.8
62.5°	22177.2	14772.6	2272.1	1822.9	995.5	677.7	459.7	312.6	286.3	220.6	197.0
65°	20314.9	12479.4	1481.5	1539.2	1055.9	604.1	488.6	299.4	260.0	199.6	173.4
67.5°	18187.3	10052.4	1037.5	908.8	974.5	543.7	412.4	296.8	233.8	168.1	141.8
70°	15318.9	7528.1	730.2	601.5	811.6	483.3	320.5	288.9	204.9	136.6	110.3
72.5°	11835.9	4712.3	543.7	388.8	577.9	394.0	254.8	244.3	165.5	112.9	84.1
75°	8728.5	2687.1	383.5	281.1	380.9	299.4	189.1	173.4	141.8	107.7	76.2
77.5°	4557.3	1344.9	239.0	215.4	218.0	186.5	136.6	126.1	131.3	107.7	70.9
80°	874.7	267.9	144.5	157.6	118.2	118.2	99.8	105.1	115.6	86.7	60.4
82.5°	365.1	57.8	78.8	89.3	73.5	81.4	81.4	84.1	81.4	63.0	44.7
85°	0.0	0.0	34.1	36.8	49.9	49.9	42.0	42.0	42.0	36.8	26.3
87.5°	0.0	0.0	0.0	0.0	2.6	7.9	15.8	18.4	21.0	15.8	10.5
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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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1182.0	1182.0	1182.0	1182.0	1182.0	1182.0	1182.0	1182.0	1182.0	1182.0	1182.0
2.5°	1098.0	1092.7	1100.6	1105.8	1111.1	1111.1	1105.8	1100.6	1092.7	1100.6	1092.7
5°	1013.9	1021.8	1034.9	1040.2	1045.4	1034.9	1029.7	1013.9	1000.8	1003.4	998.1
7.5°	948.2	956.1	971.9	982.4	982.4	977.1	961.4	945.6	924.6	924.6	922.0
10°	887.8	898.3	916.7	929.9	935.1	929.9	914.1	893.1	874.7	874.7	866.8
12.5°	837.9	851.1	872.1	890.5	895.7	890.5	874.7	853.7	832.7	832.7	827.4
15°	795.9	811.6	835.3	856.3	864.2	856.3	837.9	811.6	790.6	793.3	785.4
17.5°	756.5	769.6	801.1	824.8	832.7	824.8	801.1	767.0	746.0	751.2	746.0
20°	711.8	727.6	759.1	785.4	793.3	785.4	759.1	722.3	701.3	701.3	704.0
22.5°	664.6	680.3	711.8	730.2	740.7	732.8	706.6	672.4	651.4	651.4	654.0
25°	622.5	630.4	654.0	672.4	675.1	667.2	646.2	619.9	604.1	612.0	614.6
27.5°	583.1	583.1	593.6	604.1	601.5	593.6	585.8	564.7	562.1	570.0	577.9
30°	541.1	528.0	522.7	514.8	512.2	509.6	517.5	517.5	522.7	533.2	541.1
32.5°	504.3	478.1	454.4	430.8	417.6	428.2	449.2	467.6	485.9	501.7	509.6
35°	462.3	420.3	380.9	349.4	328.3	344.1	378.2	412.4	443.9	464.9	478.1
37.5°	420.3	359.9	312.6	273.2	257.4	270.5	307.3	354.6	401.9	428.2	446.5
40°	375.6	299.4	244.3	212.8	197.0	210.1	246.9	294.2	357.2	391.4	415.0
42.5°	331.0	246.9	197.0	165.5	157.6	165.5	194.4	241.7	310.0	352.0	383.5
45°	286.3	204.9	157.6	134.0	126.1	134.0	157.6	197.0	265.3	312.6	349.4
47.5°	246.9	173.4	131.3	110.3	105.1	112.9	131.3	165.5	223.3	270.5	312.6
50°	215.4	152.3	112.9	94.6	89.3	97.2	112.9	139.2	189.1	231.1	275.8
52.5°	194.4	141.8	99.8	81.4	78.8	84.1	97.2	118.2	160.2	197.0	239.0
55°	189.1	141.8	91.9	73.5	70.9	76.2	86.7	102.4	139.2	170.7	207.5
57.5°	194.4	152.3	86.7	63.0	60.4	65.7	76.2	89.3	120.8	147.1	181.2
60°	194.4	155.0	76.2	49.9	47.3	52.5	63.0	78.8	107.7	128.7	157.6
62.5°	176.0	141.8	63.0	39.4	34.1	39.4	52.5	65.7	94.6	115.6	139.2
65°	152.3	120.8	52.5	28.9	23.6	28.9	42.0	55.2	81.4	99.8	126.1
67.5°	123.5	91.9	39.4	21.0	15.8	21.0	31.5	44.7	68.3	86.7	112.9
70°	91.9	65.7	31.5	18.4	15.8	18.4	28.9	42.0	60.4	78.8	105.1
72.5°	68.3	44.7	26.3	18.4	13.1	18.4	26.3	39.4	57.8	76.2	99.8
75°	57.8	36.8	23.6	15.8	13.1	15.8	23.6	36.8	52.5	70.9	94.6
77.5°	55.2	34.1	21.0	13.1	10.5	13.1	21.0	31.5	47.3	65.7	91.9
80°	47.3	28.9	18.4	10.5	7.9	10.5	18.4	26.3	36.8	49.9	70.9
82.5°	36.8	23.6	13.1	5.3	2.6	5.3	13.1	15.8	23.6	28.9	42.0
85°	23.6	13.1	5.3	0.0	0.0	0.0	5.3	10.5	10.5	13.1	21.0
87.5°	10.5	2.6	0.0	0.0	0.0	0.0	0.0	0.0	2.6	5.3	7.9
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-SA6D-750-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1182.0	1182.0	1182.0	1182.0	1182.0	1182.0	1182.0	1182.0	1182.0	1182.0
2.5°	1108.5	1111.1	1116.3	1124.2	1142.6	1158.4	1174.1	1195.1	1205.7	1205.7
5°	1003.4	1006.0	1008.7	1019.2	1045.4	1066.4	1100.6	1142.6	1163.6	1168.9
7.5°	922.0	927.2	932.5	940.4	966.6	995.5	1040.2	1119.0	1158.4	1166.3
10°	874.7	882.6	893.1	908.8	932.5	964.0	1040.2	1182.0	1247.7	1260.8
12.5°	837.9	851.1	861.6	879.9	908.8	958.7	1111.1	1360.6	1476.2	1507.7
15°	801.1	816.9	832.7	851.1	882.6	977.1	1247.7	1681.1	1872.8	1896.5
17.5°	764.4	782.8	803.8	824.8	864.2	1021.8	1463.1	2125.0	2392.9	2445.5
20°	722.3	746.0	774.9	801.1	845.8	1092.7	1762.5	2653.0	2989.2	3102.1
22.5°	677.7	706.6	740.7	774.9	824.8	1179.4	2125.0	3220.3	3690.5	3764.1
25°	640.9	669.8	701.3	735.5	790.6	1284.5	2563.7	3924.3	4352.4	4423.4
27.5°	606.8	635.7	664.6	696.1	756.5	1421.0	3091.6	4672.9	5119.4	5193.0
30°	570.0	604.1	633.0	664.6	725.0	1589.2	3701.0	5502.9	5925.8	5994.1
32.5°	538.5	572.6	601.5	633.0	701.3	1773.0	4341.9	6238.4	6582.5	6582.5
35°	512.2	549.0	570.0	612.0	682.9	1891.2	4948.7	6939.7	7199.8	7189.3
37.5°	483.3	528.0	543.7	572.6	659.3	1904.4	5518.7	7680.5	7872.2	7803.9
40°	454.4	501.7	525.3	541.1	633.0	1796.7	6143.8	8360.8	8523.6	8434.3
42.5°	428.2	464.9	499.1	517.5	617.3	1607.5	6645.5	9088.4	9282.8	9204.0
45°	401.9	433.4	454.4	488.6	627.8	1476.2	7076.3	9936.8	10278.3	10220.5
47.5°	375.6	401.9	415.0	467.6	698.7	1415.8	7339.0	11250.2	11893.7	11846.4
50°	346.7	378.2	378.2	462.3	803.8	1436.8	7567.5	13151.9	14147.4	14131.6
52.5°	317.8	352.0	346.7	501.7	885.2	1534.0	7827.6	14830.3	16561.3	16705.8
55°	288.9	320.5	325.7	580.5	932.5	1618.0	6821.5	15536.9	18623.3	19130.2
57.5°	257.4	275.8	338.8	640.9	916.7	1862.3	4672.9	15665.6	19939.3	21026.7
60°	223.3	239.0	383.5	627.8	866.8	1720.5	2941.9	14509.9	19752.8	21131.8
62.5°	194.4	220.6	404.5	554.2	882.6	1492.0	1875.5	12366.5	17974.5	19547.9
65°	170.7	212.8	367.7	501.7	893.1	1011.3	1266.1	10060.3	16238.3	17735.5
67.5°	152.3	236.4	302.1	446.5	767.0	711.8	869.4	7817.1	13653.6	14995.8
70°	139.2	241.7	246.9	383.5	593.6	457.0	572.6	5261.3	9411.5	10945.5
72.5°	126.1	178.6	186.5	307.3	383.5	278.4	370.4	3010.2	6860.9	7906.4
75°	120.8	120.8	128.7	199.6	212.8	202.3	239.0	1796.7	4919.8	5684.2
77.5°	112.9	91.9	81.4	128.7	115.6	144.5	141.8	798.5	2132.9	2306.2
80°	89.3	65.7	55.2	81.4	78.8	97.2	84.1	65.7	97.2	94.6
82.5°	55.2	42.0	39.4	49.9	44.7	49.9	39.4	10.5	10.5	10.5
85°	26.3	23.6	21.0	21.0	23.6	21.0	15.8	5.3	2.6	2.6
87.5°	13.1	13.1	10.5	7.9	10.5	10.5	7.9	2.6	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

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