

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: P642771

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642771
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-SA6D-750-U-SLL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22185.9 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

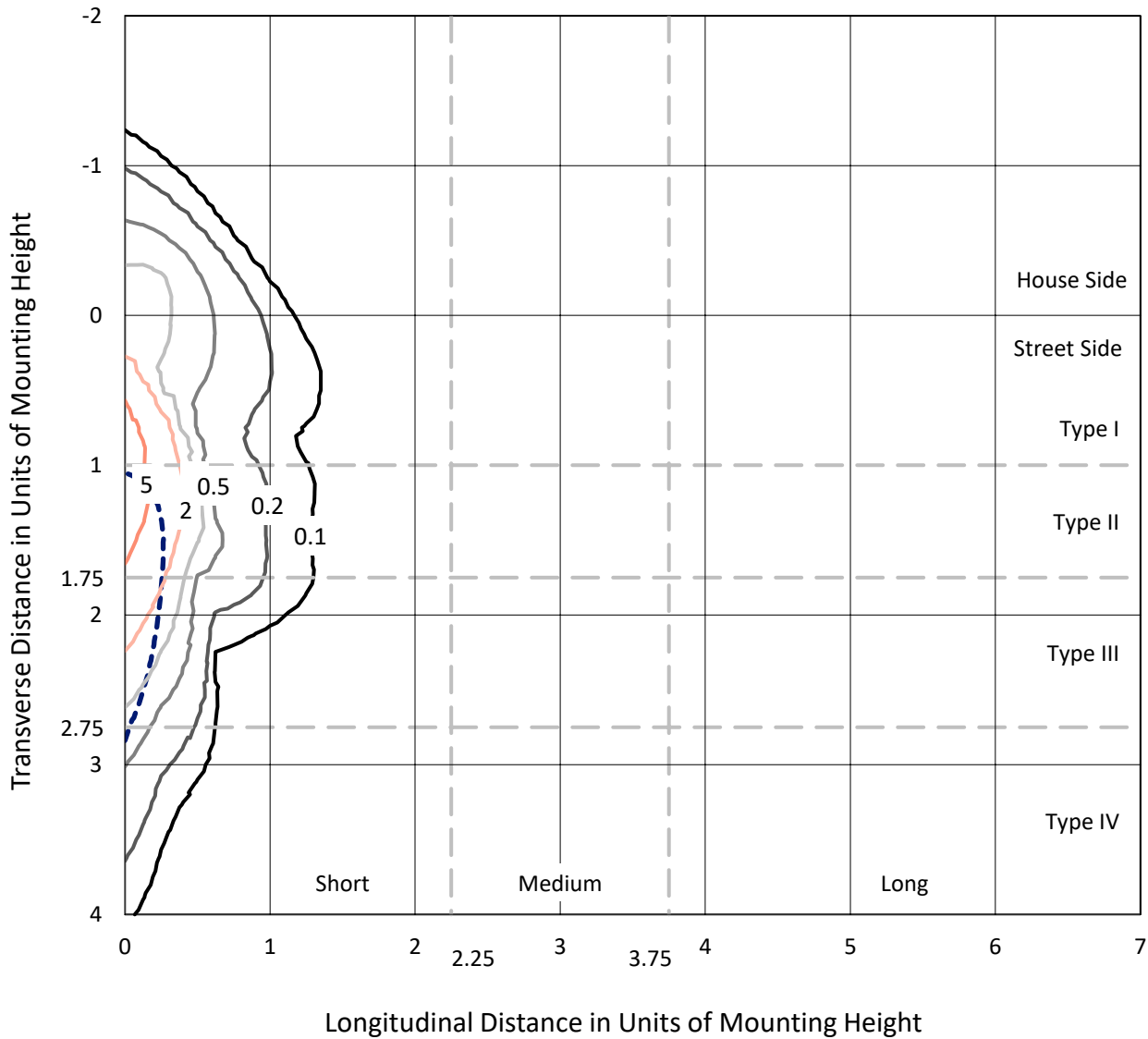
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

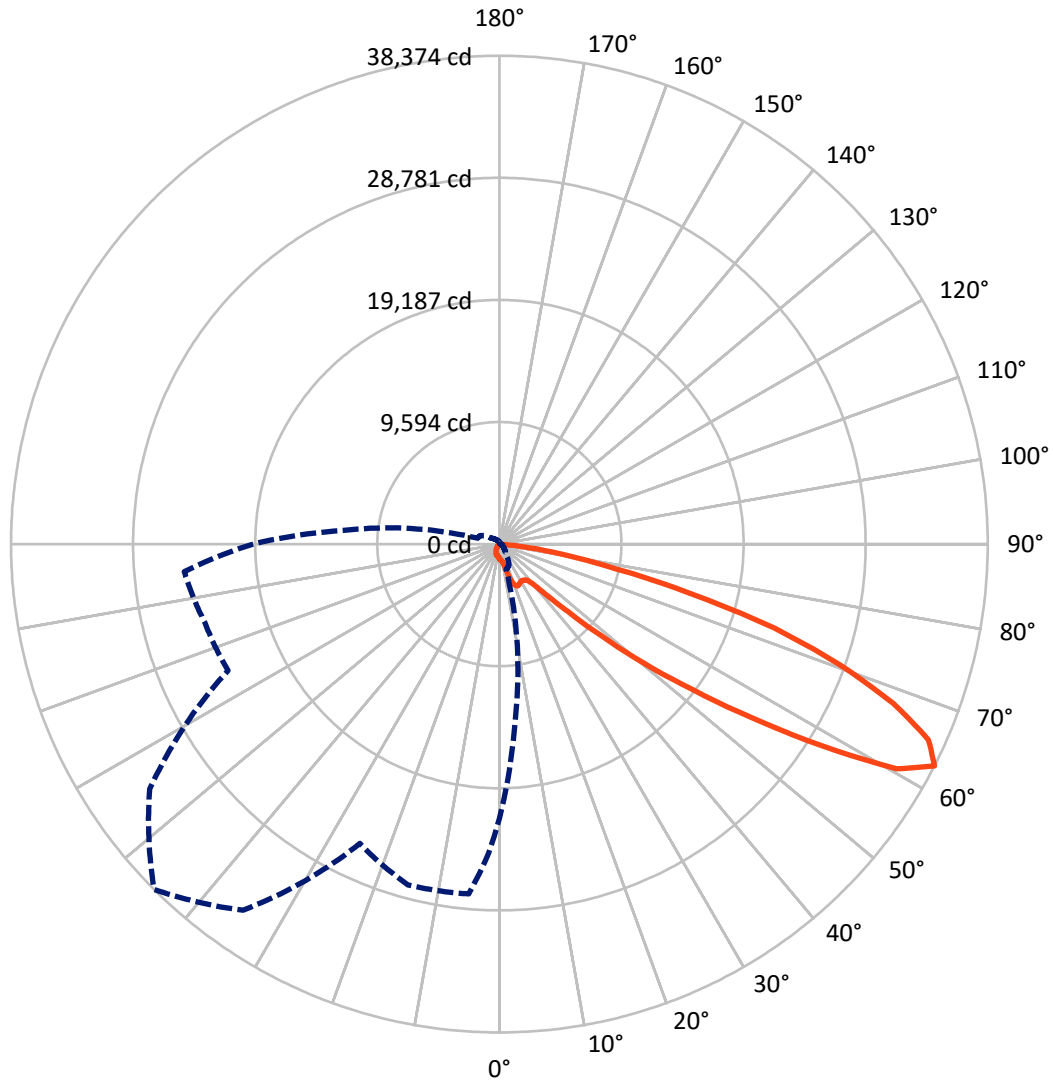
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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	2577.7	0.0	2577.7
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	19608.2	0.0	19608.2
	% Fixture	88.4	0.0	88.4
Total	Lumens	22185.9	0.0	22185.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.4	0.4
10°-20°	340.6	1.5
20°-30°	769.3	3.5
30°-40°	1325.4	6.0
40°-50°	2500.2	11.3
50°-60°	5582.2	25.2
60°-70°	7466.1	33.7
70°-80°	3744.0	16.9
80°-90°	358.9	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°	22185.9	100.0
0°-180°	22185.9	100.0

Coefficient of Utilization



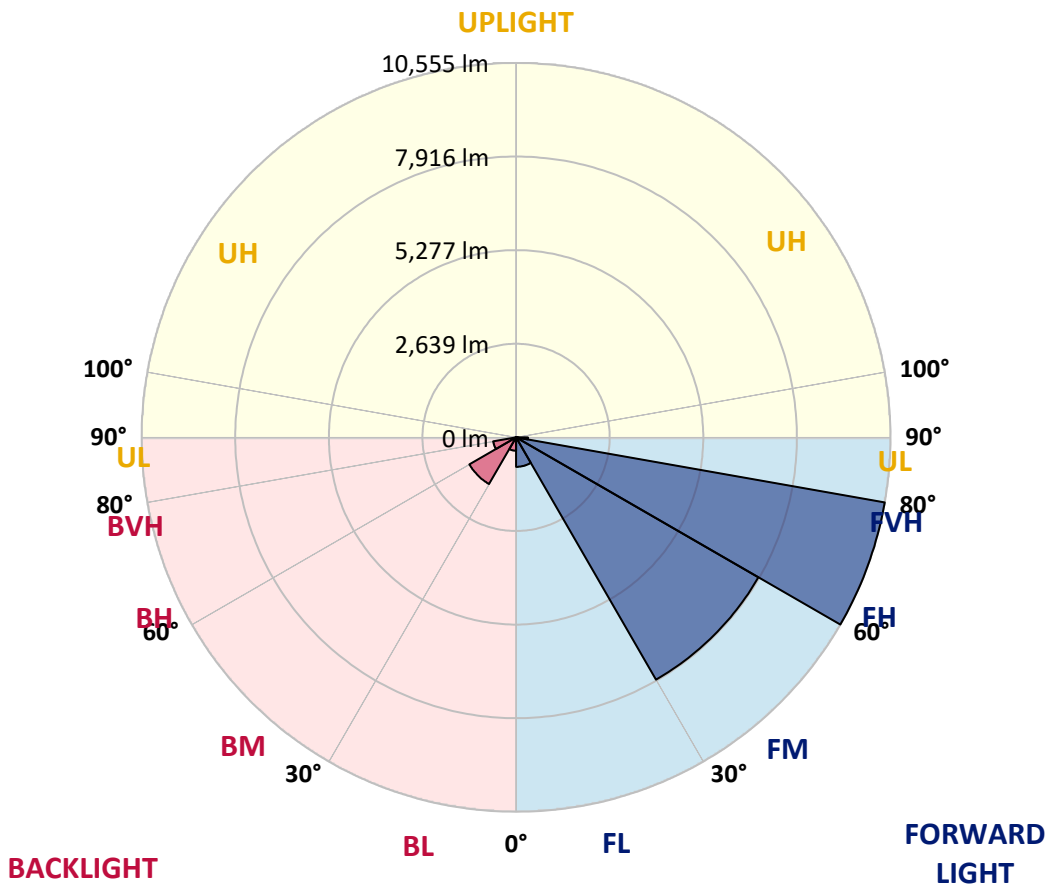
REPORT NUMBER: P642771

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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°)	830.9	3.7			
FM (30°-60°)	7887.7	35.6			
FH (60°-80°)	10554.6	47.6			G4/12000
FVH (80°-90°)	335.0	1.5			G3/500
BL (0°-30°)	378.4	1.7	B1/500		
BM (30°-60°)	1520.0	6.9	B2/2500		
BH (60°-80°)	655.5	3.0	B2/1000		G2/1000
BVH (80°-90°)	23.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 </tr			

BUG Rating: B2-U0-G4
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1150.6	1150.6	1150.6	1150.6	1150.6	1150.6	1150.6	1150.6	1150.6	1150.6	1150.6
2.5°	1137.5	1134.8	1129.6	1113.8	1100.7	1092.8	1077.0	1077.0	1074.4	1069.2	1058.7
5°	1100.7	1090.2	1079.7	1050.8	1019.2	1000.9	979.8	977.2	977.2	972.0	969.3
7.5°	1042.9	1032.4	1019.2	972.0	943.1	924.7	906.3	903.7	895.8	895.8	895.8
10°	1011.4	995.6	974.6	922.1	893.2	877.4	864.3	856.4	851.1	843.2	840.6
12.5°	1079.7	1050.8	1006.1	911.5	872.1	851.1	835.4	830.1	814.3	803.8	796.0
15°	1292.4	1221.5	1132.2	935.2	864.3	832.7	811.7	801.2	788.1	769.7	756.6
17.5°	1641.8	1539.4	1389.6	1011.4	856.4	817.0	790.7	772.3	753.9	732.9	717.2
20°	2125.2	1972.8	1794.2	1150.6	856.4	798.6	767.1	743.4	717.2	693.5	675.1
22.5°	2739.9	2587.5	2282.8	1387.0	866.9	774.9	738.2	706.6	675.1	654.1	633.1
25°	3428.1	3212.7	2929.0	1673.4	895.8	743.4	704.0	672.5	643.6	617.3	593.7
27.5°	4195.2	3961.4	3583.1	2080.5	958.8	711.9	667.2	638.3	612.1	585.8	554.3
30°	4901.8	4762.6	4376.5	2569.1	1061.3	690.9	638.3	612.1	585.8	551.7	522.8
32.5°	5750.3	5503.4	5185.5	3126.0	1197.9	669.9	614.7	577.9	556.9	525.4	493.9
35°	6604.1	6393.9	5976.3	3811.7	1350.2	648.9	585.8	551.7	533.3	496.5	462.3
37.5°	7484.1	7436.8	7024.4	4570.8	1500.0	625.2	551.7	530.6	512.3	470.2	430.8
40°	8351.0	8264.3	7883.4	5437.7	1591.9	598.9	522.8	509.6	488.6	441.3	396.7
42.5°	9181.1	9115.4	8745.0	6267.8	1578.8	575.3	493.9	478.1	462.3	415.1	359.9
45°	10200.3	10092.6	9625.0	6882.5	1444.8	601.6	465.0	438.7	436.1	391.4	323.1
47.5°	12107.5	11752.9	10959.5	7355.4	1310.8	669.9	433.4	401.9	420.3	367.8	286.3
50°	14779.1	14361.4	13213.4	7723.2	1308.2	759.2	428.2	367.8	407.2	349.4	254.8
52.5°	17463.8	16728.3	15333.4	7920.2	1405.4	824.9	475.5	333.6	391.4	331.0	231.2
55°	20035.5	18509.3	16221.3	7268.7	1481.6	895.8	562.2	315.2	362.5	310.0	218.0
57.5°	22486.5	19941.0	16607.4	5750.3	1736.4	924.7	614.7	323.1	320.5	283.7	207.5
60°	22822.7	19872.7	15827.2	3344.1	1915.0	874.8	593.7	359.9	281.1	252.2	189.1
62.5°	21551.3	18551.3	14048.8	2085.8	1778.4	856.4	528.0	409.8	254.8	223.3	165.5
65°	19620.5	16478.7	11713.5	1345.0	1347.6	950.9	462.3	401.9	239.1	197.0	141.9
67.5°	16602.2	13791.4	9228.4	901.0	761.8	811.7	404.5	275.8	233.8	168.1	110.3
70°	12118.0	9816.8	6007.8	601.6	454.5	648.9	338.9	197.0	220.7	139.2	78.8
72.5°	8858.0	6596.2	3354.6	394.0	257.4	378.3	249.6	141.9	170.8	102.5	55.2
75°	6375.5	4539.3	1915.0	252.2	170.8	207.5	162.9	97.2	110.3	81.4	49.9
77.5°	3068.2	2211.9	869.5	139.2	115.6	105.1	86.7	60.4	68.3	73.6	44.7
80°	115.6	86.7	65.7	68.3	73.6	47.3	39.4	31.5	39.4	49.9	23.6
82.5°	0.0	0.0	0.0	7.9	10.5	13.1	15.8	13.1	15.8	18.4	2.6
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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CATALOG NUMBER: GWS-SA6D-750-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1150.6	1150.6	1150.6	1150.6	1150.6	1150.6	1150.6	1150.6	1150.6	1150.6	1150.6
2.5°	1066.5	1061.3	1066.5	1071.8	1077.0	1082.3	1074.4	1079.7	1084.9	1071.8	1077.0
5°	982.5	979.8	995.6	1003.5	1014.0	1019.2	1014.0	1014.0	1011.4	995.6	995.6
7.5°	908.9	911.5	924.7	943.1	956.2	964.1	958.8	956.2	948.3	924.7	924.7
10°	853.8	853.8	874.8	890.5	908.9	916.8	911.5	903.7	895.8	872.1	869.5
12.5°	809.1	809.1	824.9	851.1	872.1	882.6	880.0	869.5	856.4	832.7	830.1
15°	767.1	764.4	788.1	811.7	840.6	853.8	848.5	840.6	817.0	796.0	790.7
17.5°	725.0	722.4	743.4	774.9	806.5	824.9	822.2	803.8	782.8	756.6	751.3
20°	683.0	677.7	704.0	735.5	767.1	785.5	780.2	764.4	738.2	711.9	706.6
22.5°	641.0	638.3	656.7	683.0	711.9	727.7	725.0	711.9	685.6	662.0	662.0
25°	593.7	593.7	606.8	625.2	646.2	654.1	656.7	651.5	635.7	622.6	622.6
27.5°	554.3	546.4	551.7	556.9	567.4	580.6	580.6	585.8	588.4	583.2	585.8
30°	522.8	509.6	501.7	491.2	486.0	491.2	496.5	514.9	533.3	543.8	549.0
32.5°	486.0	470.2	449.2	420.3	401.9	396.7	412.4	446.6	480.7	504.4	517.5
35°	449.2	428.2	388.8	346.8	323.1	315.2	333.6	373.0	422.9	465.0	483.4
37.5°	412.4	383.5	328.4	278.5	252.2	246.9	265.3	307.4	365.1	422.9	446.6
40°	370.4	336.2	270.6	218.0	197.0	191.8	207.5	249.6	310.0	375.7	412.4
42.5°	328.4	286.3	218.0	173.4	152.4	152.4	173.4	204.9	260.1	331.0	375.7
45°	286.3	241.7	178.6	139.2	126.1	128.7	141.9	173.4	218.0	291.6	333.6
47.5°	246.9	207.5	147.1	115.6	105.1	107.7	123.5	149.7	186.5	252.2	296.8
50°	212.8	176.0	128.7	97.2	89.3	94.6	110.3	134.0	165.5	223.3	260.1
52.5°	191.8	157.6	118.2	84.1	78.8	84.1	99.8	120.8	149.7	197.0	233.8
55°	181.3	155.0	118.2	76.2	68.3	73.6	89.3	110.3	134.0	178.6	210.2
57.5°	178.6	160.2	126.1	68.3	57.8	63.0	78.8	99.8	123.5	162.9	189.1
60°	168.1	152.4	123.5	55.2	44.7	52.5	65.7	86.7	113.0	152.4	176.0
62.5°	147.1	134.0	107.7	44.7	34.2	39.4	55.2	76.2	102.5	139.2	165.5
65°	120.8	107.7	84.1	28.9	21.0	26.3	42.0	65.7	89.3	126.1	149.7
67.5°	89.3	76.2	57.8	18.4	10.5	18.4	34.2	55.2	81.4	113.0	136.6
70°	55.2	44.7	31.5	10.5	7.9	15.8	31.5	52.5	73.6	105.1	128.7
72.5°	31.5	21.0	13.1	5.3	7.9	15.8	31.5	52.5	70.9	99.8	120.8
75°	23.6	13.1	5.3	2.6	5.3	13.1	28.9	47.3	68.3	94.6	115.6
77.5°	15.8	7.9	2.6	0.0	2.6	10.5	26.3	44.7	63.0	89.3	110.3
80°	2.6	0.0	0.0	0.0	0.0	7.9	23.6	39.4	57.8	78.8	97.2
82.5°	0.0	0.0	0.0	0.0	0.0	2.6	18.4	34.2	49.9	65.7	78.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	10.5	26.3	39.4	49.9	55.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.1	26.3	31.5	36.8
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°	1150.6	1150.6	1150.6	1150.6	1150.6	1150.6	1150.6	1150.6	1150.6	1150.6	1150.6
2.5°	1074.4	1090.2	1090.2	1100.7	1113.8	1137.5	1150.6	1169.0	1182.1	1195.3	1200.5
5°	993.0	995.6	998.2	1003.5	1019.2	1045.5	1069.2	1098.1	1132.2	1158.5	1174.2
7.5°	924.7	924.7	924.7	932.6	948.3	966.7	990.4	1029.8	1069.2	1100.7	1127.0
10°	866.9	874.8	877.4	890.5	908.9	932.6	958.8	993.0	1037.6	1079.7	1127.0
12.5°	830.1	838.0	851.1	864.3	882.6	908.9	937.8	982.5	1074.4	1161.1	1260.9
15°	796.0	806.5	822.2	840.6	861.6	890.5	922.1	1014.0	1229.4	1392.3	1549.9
17.5°	759.2	774.9	796.0	814.3	840.6	872.1	911.5	1090.2	1513.1	1783.7	2051.6
20°	711.9	732.9	756.6	785.5	817.0	853.8	911.5	1247.8	1922.9	2311.7	2666.3
22.5°	667.2	688.3	717.2	753.9	790.7	827.5	924.7	1486.8	2450.9	2942.2	3391.4
25°	630.5	656.7	685.6	717.2	759.2	801.2	956.2	1823.1	3086.6	3719.7	4037.6
27.5°	596.3	627.8	656.7	683.0	719.8	767.1	1027.1	2272.3	3837.9	4481.5	4731.1
30°	562.2	598.9	627.8	654.1	690.9	740.8	1134.8	2845.0	4673.3	5298.5	5324.8
32.5°	533.3	567.4	601.6	627.8	662.0	719.8	1284.6	3514.8	5529.7	6133.9	5886.9
35°	501.7	541.1	572.7	601.6	638.3	701.4	1457.9	4237.2	6393.9	6900.9	6446.5
37.5°	470.2	514.9	554.3	575.3	612.1	683.0	1584.0	4991.2	7276.6	7649.6	6937.7
40°	441.3	491.2	535.9	556.9	575.3	659.4	1602.4	5763.5	8172.4	8387.8	7400.0
42.5°	409.8	465.0	504.4	533.3	549.0	643.6	1492.1	6414.9	8923.7	9123.3	8004.2
45°	375.7	441.3	472.8	493.9	525.4	654.1	1350.2	6919.3	9782.7	10126.8	8999.8
47.5°	341.5	415.1	441.3	457.1	499.1	717.2	1297.7	7255.6	11198.6	11913.1	10678.4
50°	310.0	391.4	420.3	417.7	493.9	798.6	1355.5	7510.4	13326.4	14167.0	12979.6
52.5°	275.8	365.1	399.3	388.8	533.3	861.6	1471.1	7712.6	14963.0	16809.7	16071.5
55°	246.9	336.2	367.8	365.1	606.8	908.9	1560.4	6646.1	15640.7	19265.9	19554.8
57.5°	225.9	304.7	331.0	375.7	654.1	908.9	1804.7	4718.0	15653.8	21073.2	24178.2
60°	207.5	275.8	294.2	412.4	635.7	861.6	1786.3	2889.6	14427.1	20949.7	26637.0
62.5°	191.8	249.6	273.2	422.9	562.2	853.8	1612.9	1791.6	12304.5	19355.2	24853.3
65°	178.6	228.5	262.7	388.8	509.6	914.2	1087.5	1287.2	9979.7	17537.3	22807.0
67.5°	165.5	210.2	278.5	317.9	462.3	817.0	785.5	914.2	7833.5	15543.5	20928.7
70°	155.0	199.6	294.2	260.1	404.5	638.3	556.9	693.5	5997.3	12969.1	18283.4
72.5°	147.1	186.5	246.9	204.9	328.4	493.9	388.8	504.4	3919.4	10124.2	14905.2
75°	139.2	170.8	181.3	165.5	244.3	323.1	294.2	338.9	2335.3	7400.0	11308.9
77.5°	136.6	160.2	147.1	134.0	165.5	191.8	223.3	228.5	1140.1	3701.3	5926.3
80°	120.8	144.5	126.1	110.3	113.0	126.1	165.5	152.4	260.1	940.4	1581.4
82.5°	94.6	113.0	105.1	91.9	91.9	91.9	110.3	102.5	84.1	422.9	714.5
85°	65.7	78.8	78.8	73.6	70.9	70.9	68.3	65.7	23.6	26.3	39.4
87.5°	44.7	55.2	57.8	55.2	47.3	42.0	36.8	31.5	10.5	0.0	5.3
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-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	1150.6	1150.6	1150.6	1150.6	1150.6	1150.6	1150.6	1150.6	1150.6	1150.6
2.5°	1218.9	1226.8	1226.8	1216.3	1208.4	1187.4	1166.4	1145.3	1140.1	1137.5
5°	1218.9	1250.4	1266.2	1263.6	1245.2	1211.0	1166.4	1119.1	1105.9	1100.7
7.5°	1200.5	1260.9	1308.2	1316.1	1281.9	1221.5	1140.1	1069.2	1050.8	1042.9
10°	1242.5	1360.7	1455.3	1468.5	1429.0	1310.8	1179.5	1058.7	1029.8	1011.4
12.5°	1468.5	1662.8	1778.4	1833.6	1757.4	1607.7	1389.6	1174.2	1108.6	1079.7
15°	1925.5	2201.4	2422.0	2422.0	2351.1	2085.8	1810.0	1460.6	1371.3	1292.4
17.5°	2511.3	2858.1	3052.5	3031.5	2923.8	2737.3	2406.3	1904.5	1723.3	1641.8
20°	3178.6	3386.1	3430.8	3417.6	3370.3	3262.6	3034.1	2495.6	2251.3	2125.2
22.5°	3756.5	3701.3	3635.7	3583.1	3570.0	3601.5	3570.0	3154.9	2963.2	2739.9
25°	4147.9	3835.3	3638.3	3543.7	3588.4	3769.6	3966.7	3811.7	3659.3	3428.1
27.5°	4360.7	3819.5	3535.8	3438.6	3514.8	3772.3	4200.5	4463.1	4305.5	4195.2
30°	4476.3	3806.4	3470.2	3375.6	3491.2	3814.3	4363.3	5072.6	5077.8	4901.8
32.5°	4641.8	3890.5	3483.3	3396.6	3551.6	3940.4	4568.2	5692.5	5844.9	5750.3
35°	4828.3	4019.2	3543.7	3464.9	3656.7	4108.5	4796.8	6317.8	6635.6	6604.1
37.5°	5004.3	4163.7	3685.6	3609.4	3816.9	4253.0	5017.4	6932.5	7373.8	7484.1
40°	5188.2	4365.9	4121.6	4195.2	4310.8	4481.5	5214.4	7465.7	8185.5	8351.0
42.5°	5621.6	5067.3	5440.4	5579.6	5595.3	5243.3	5645.3	8148.7	8984.1	9181.1
45°	6588.3	6315.1	7384.3	7581.3	7478.9	6412.3	6682.9	9133.8	10100.5	10200.3
47.5°	7809.8	7935.9	10045.4	10725.7	10111.0	7791.5	7941.2	11206.5	12144.3	12107.5
50°	9233.6	9829.9	13066.3	14671.4	13200.3	9583.0	9391.3	13754.6	14892.0	14779.1
52.5°	10917.5	12031.3	16696.7	18976.9	17584.6	11597.9	11519.1	17130.2	17823.7	17463.8
55°	13037.4	14156.5	20873.5	24060.0	22079.3	14056.7	14327.2	21044.3	21178.3	20035.5
57.5°	16200.2	16927.9	25796.4	29889.1	26771.0	17398.1	19360.4	26253.5	24651.1	22486.5
60°	21942.7	20492.6	30553.8	35852.3	31762.1	22097.7	25998.7	29340.1	25806.9	22822.7
62.5°	23941.8	23518.8	33532.7	38374.1	35119.3	25956.6	27724.6	27590.6	24309.6	21551.3
65°	20912.9	22764.9	32999.4	37042.3	34688.5	25320.9	24879.6	25659.8	22623.1	19620.5
67.5°	19318.4	20994.4	30979.3	33367.2	32300.7	23164.2	22176.5	21963.7	18992.7	16602.2
70°	17710.7	19370.9	28050.3	28347.1	27850.6	19649.4	18351.7	16925.3	14195.9	12118.0
72.5°	15777.3	16691.5	23986.4	22578.4	22016.2	15433.2	15160.0	12745.8	10641.7	8858.0
75°	13759.8	13494.5	18701.1	15496.2	15916.5	12007.7	12803.6	9359.7	7796.7	6375.5
77.5°	10008.6	9811.6	12525.2	9412.3	10423.6	7865.0	7066.4	3735.5	3556.9	3068.2
80°	5584.8	6732.8	6764.3	5274.9	6580.4	5127.8	1767.9	123.5	78.8	115.6
82.5°	2595.4	2894.9	3667.2	2445.7	3753.9	2540.2	365.1	0.0	0.0	0.0
85°	840.6	1229.4	1029.8	359.9	908.9	859.0	60.4	0.0	0.0	0.0
87.5°	49.9	102.5	26.3	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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