

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: P632875

Luminaire Tested: GWS-SA2D-750-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632875
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-SA2D-750-U-SLR-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7412.2 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

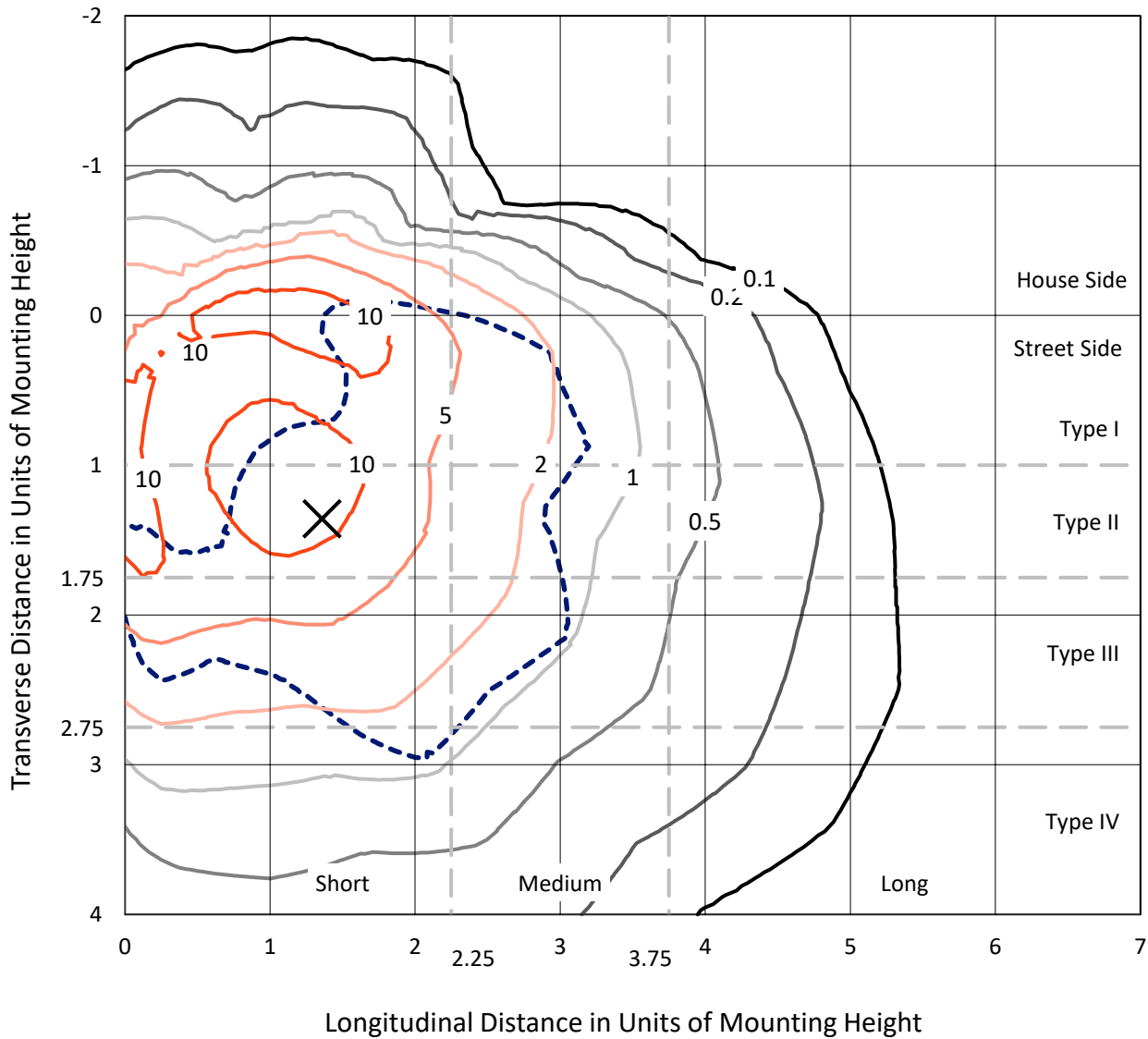
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

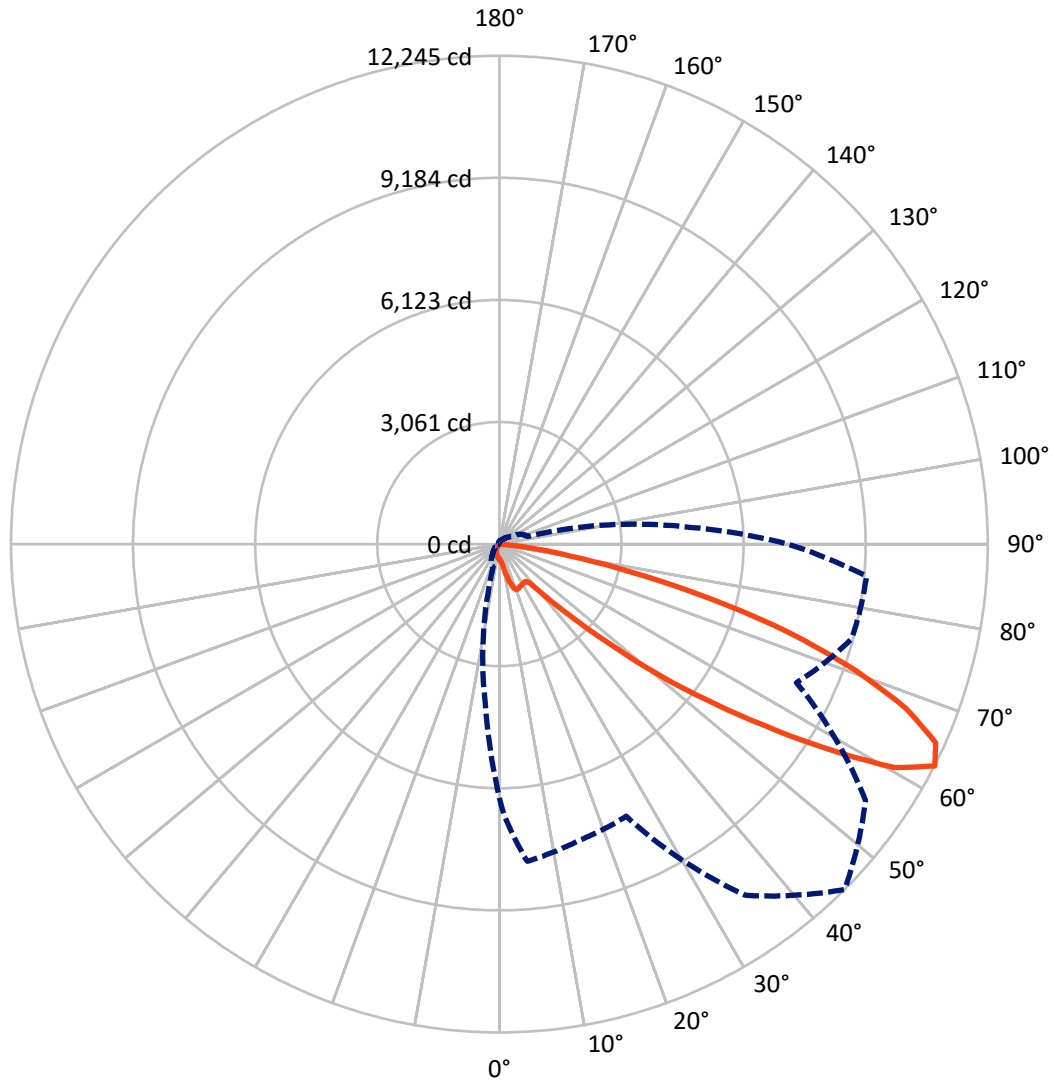
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.1 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	914.6	0.0	914.6
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	6497.5	0.0	6497.5
	% Fixture	87.7	0.0	87.7
Total	Lumens	7412.2	0.0	7412.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.2	0.5
10°-20°	129.2	1.7
20°-30°	280.9	3.8
30°-40°	461.1	6.2
40°-50°	847.6	11.4
50°-60°	1820.3	24.6
60°-70°	2445.0	33.0
70°-80°	1273.1	17.2
80°-90°	120.7	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°	7412.2	100.0
0°-180°	7412.2	100.0

Coefficient of Utilization



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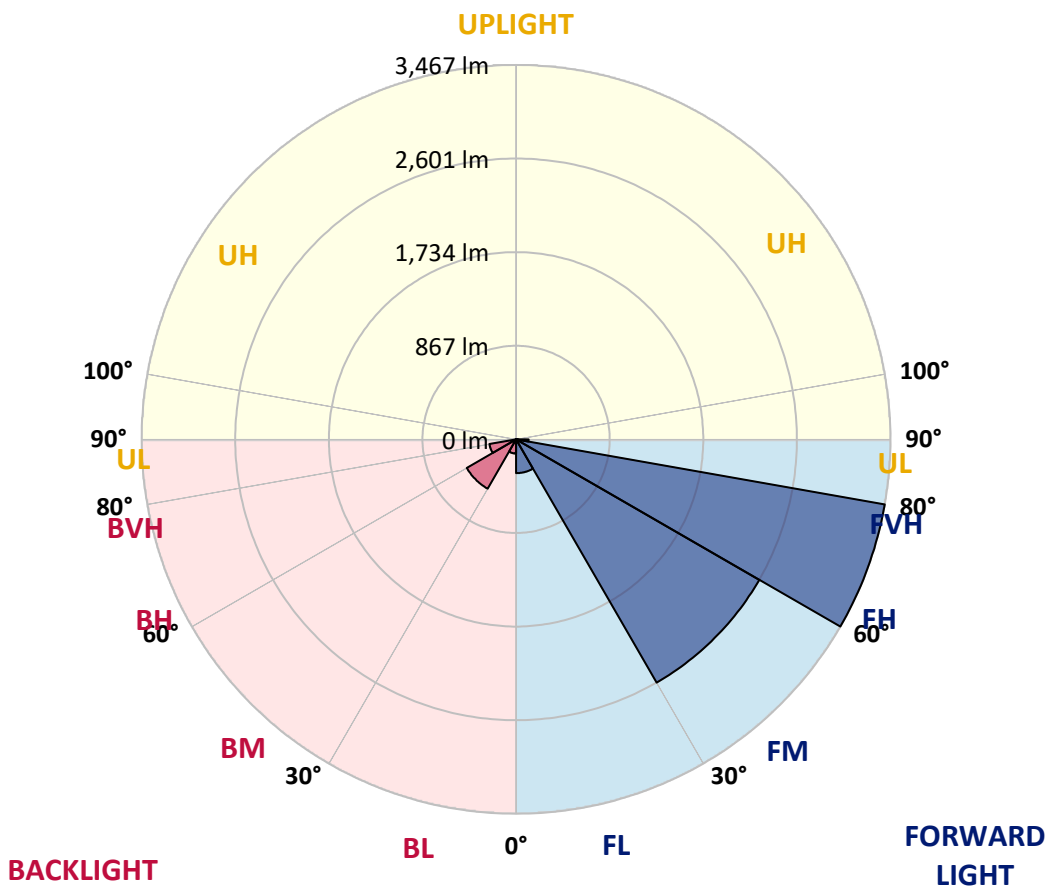
CATALOG NUMBER: GWS-SA2D-750-U-SLR-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	313.1	4.2			
FM (30°-60°)	2601.6	35.1			
FH (60°-80°)	3467.5	46.8			G2/5000
FVH (80°-90°)	115.3	1.6			G2/225
BL (0°-30°)	131.2	1.8	B1/500		
BM (30°-60°)	527.5	7.1	B1/1000		
BH (60°-80°)	250.6	3.4	B1/500		G1/500
BVH (80°-90°)	5.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	385.3	385.3	385.3	385.3	385.3	385.3	385.3	385.3	385.3	385.3	385.3
2.5°	393.0	394.7	396.4	402.4	406.7	410.1	411.0	408.4	402.4	396.4	387.8
5°	381.0	382.7	388.7	405.0	421.2	434.1	438.4	435.8	421.2	402.4	382.7
7.5°	380.1	383.6	398.1	432.4	467.5	494.0	500.9	494.9	467.5	429.8	389.6
10°	411.0	417.0	438.4	500.0	564.2	611.3	630.1	604.5	560.8	492.3	426.4
12.5°	491.4	501.7	542.8	632.7	732.0	794.5	820.2	788.5	720.0	620.7	516.3
15°	618.2	633.6	695.2	829.6	946.9	1002.6	1011.1	993.2	913.5	803.9	663.5
17.5°	797.1	819.4	915.3	1052.2	1137.0	1156.7	1154.1	1135.3	1077.1	1001.7	869.0
20°	1011.1	1037.7	1131.9	1244.9	1253.4	1230.3	1217.5	1206.4	1186.7	1173.8	1070.2
22.5°	1226.9	1259.4	1357.9	1386.1	1309.1	1242.3	1210.6	1219.2	1248.3	1311.7	1269.7
25°	1441.8	1472.6	1565.1	1488.9	1334.8	1223.5	1183.2	1203.8	1273.1	1410.1	1464.1
27.5°	1692.7	1715.8	1770.6	1559.1	1339.1	1208.1	1168.7	1200.4	1285.1	1471.8	1677.2
30°	1953.8	1967.5	1941.0	1577.9	1324.5	1184.9	1154.1	1200.4	1305.7	1512.9	1837.4
32.5°	2145.6	2148.1	2061.7	1579.6	1316.8	1166.1	1140.4	1195.2	1325.4	1547.1	1992.3
35°	2343.4	2330.5	2177.3	1605.3	1337.3	1173.0	1150.7	1209.8	1356.2	1587.4	2128.5
37.5°	2543.7	2520.6	2306.5	1647.3	1390.4	1247.4	1233.7	1284.3	1405.8	1643.0	2278.3
40°	2749.2	2717.5	2441.0	1710.6	1508.6	1500.9	1548.0	1542.0	1542.0	1714.1	2432.4
42.5°	3000.0	2963.2	2639.6	1889.6	1784.3	1956.4	2084.8	2005.2	1857.9	1877.6	2632.7
45°	3331.4	3299.7	2983.8	2232.1	2216.6	2612.2	2785.1	2627.6	2261.2	2255.2	2967.5
47.5°	3861.4	3855.4	3532.6	2629.3	2745.8	3447.0	3780.9	3477.8	2720.9	2655.0	3601.1
50°	4606.2	4588.2	4216.7	3095.1	3375.0	4481.2	5077.1	4572.0	3276.6	3121.6	4449.5
52.5°	5445.3	5464.1	5174.7	3603.6	4043.7	5631.9	6461.6	5825.4	3880.2	3714.9	5517.2
55°	6235.5	6343.4	6267.2	4198.7	4697.0	6902.5	7982.1	7200.4	4627.6	4491.5	6714.1
57.5°	6853.7	7157.6	7691.9	5063.4	5465.0	8388.8	9679.9	8691.0	5500.1	5752.6	8343.4
60°	6887.9	7290.3	8530.9	6872.5	6453.0	9663.7	11375.2	10147.4	6871.7	7893.9	9620.0
62.5°	6371.7	6803.2	7984.7	7694.5	7529.2	10748.4	12245.0	11209.1	8221.0	9148.2	9241.6
65°	5780.9	6216.7	7375.1	6762.1	7404.2	10702.2	12024.1	11233.9	8343.4	8295.5	8564.3
67.5°	4887.9	5279.2	6328.0	5985.5	6824.6	10185.9	11003.6	10525.8	7686.7	7758.7	7878.5
70°	3567.7	3944.4	4917.9	4935.0	5959.8	9255.3	9454.8	9388.8	7078.9	7155.1	6812.6
72.5°	2577.1	2894.7	3734.6	4047.1	4757.8	7761.2	7623.4	7877.7	6073.7	6372.5	5471.8
75°	1852.8	2090.8	2739.8	3520.6	3771.5	5763.8	5457.3	6101.1	4873.4	5487.2	4113.9
77.5°	751.7	835.6	1077.9	2371.6	2478.6	3877.6	3340.8	4431.6	3474.4	3605.4	1994.0
80°	30.8	34.2	44.5	1224.3	1699.5	2181.5	1787.7	2369.0	2294.6	1452.1	470.9
82.5°	3.4	3.4	7.7	352.7	744.0	1203.8	842.5	1364.7	1161.8	615.6	214.0
85°	0.9	0.9	1.7	40.2	174.7	192.6	113.9	418.7	540.2	251.7	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	7.7	8.6	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°	385.3	385.3	385.3	385.3	385.3	385.3	385.3	385.3	385.3	385.3	385.3
2.5°	387.8	383.6	378.4	373.3	370.7	363.9	361.3	359.6	357.9	358.7	358.7
5°	375.0	365.6	354.5	343.3	337.3	330.5	327.1	325.3	326.2	329.6	329.6
7.5°	373.3	355.3	331.3	316.8	309.9	304.8	301.4	299.7	300.5	304.8	306.5
10°	401.5	369.9	327.1	302.2	294.5	289.4	286.0	283.4	281.7	285.1	286.0
12.5°	462.3	418.7	347.6	300.5	286.8	280.0	277.4	272.3	269.7	271.4	272.3
15°	588.2	512.8	388.7	307.4	280.0	272.3	268.0	263.7	259.4	258.6	259.4
17.5°	752.6	644.7	451.2	323.6	274.8	265.4	259.4	253.4	247.4	246.6	245.7
20°	956.3	806.5	538.5	349.3	270.6	259.4	250.9	242.3	234.6	232.0	232.0
22.5°	1142.1	1001.7	650.7	381.0	264.6	250.9	240.6	230.3	221.7	217.5	216.6
25°	1369.0	1208.9	785.1	417.8	256.0	239.7	228.6	218.3	209.8	204.6	202.9
27.5°	1597.6	1427.2	937.5	465.8	245.7	228.6	218.3	208.9	199.5	193.5	191.8
30°	1819.4	1662.7	1108.7	525.7	238.0	217.5	208.9	199.5	190.9	181.5	178.9
32.5°	2057.4	1903.3	1300.5	592.5	232.0	209.8	200.3	191.8	180.7	172.1	167.8
35°	2286.8	2151.6	1512.0	657.5	226.0	202.9	192.6	184.1	172.1	162.7	156.7
37.5°	2518.0	2404.1	1732.9	696.9	217.5	193.5	184.1	177.2	163.5	152.4	145.5
40°	2762.9	2665.3	1971.8	680.7	209.8	183.2	178.1	170.4	155.0	142.1	133.6
42.5°	3031.7	2914.4	2214.9	618.2	202.9	174.7	169.5	161.8	147.3	131.9	120.7
45°	3369.9	3187.5	2414.4	524.0	206.3	166.1	155.8	154.1	140.4	120.7	107.0
47.5°	3951.3	3607.1	2569.4	463.2	229.5	156.7	144.7	149.0	134.4	109.6	94.2
50°	4840.8	4302.3	2714.1	458.9	264.6	152.4	134.4	145.5	128.4	98.5	83.0
52.5°	5688.4	5008.6	2806.5	496.6	295.4	163.5	124.1	141.3	124.1	90.8	75.3
55°	6499.2	5416.2	2641.3	524.0	324.5	196.9	116.4	134.4	119.0	86.5	72.8
57.5°	7373.4	5597.7	2079.7	579.6	345.0	225.2	118.2	124.1	112.2	83.9	71.9
60°	7634.5	5365.7	1255.2	652.4	333.9	233.7	131.0	110.4	102.7	78.8	69.4
62.5°	7228.7	4815.1	740.6	594.2	324.5	220.9	149.8	101.9	93.3	71.9	64.2
65°	6621.7	4067.7	482.9	501.7	344.2	196.9	159.2	97.6	84.8	65.1	56.5
67.5°	5928.2	3276.6	338.2	296.2	317.6	177.2	134.4	96.7	76.2	54.8	46.2
70°	4993.2	2453.8	238.0	196.1	264.6	157.5	104.5	94.2	66.8	44.5	36.0
72.5°	3857.9	1536.0	177.2	126.7	188.4	128.4	83.0	79.6	53.9	36.8	27.4
75°	2845.1	875.9	125.0	91.6	124.1	97.6	61.6	56.5	46.2	35.1	24.8
77.5°	1485.5	438.4	77.9	70.2	71.1	60.8	44.5	41.1	42.8	35.1	23.1
80°	285.1	87.3	47.1	51.4	38.5	38.5	32.5	34.2	37.7	28.3	19.7
82.5°	119.0	18.8	25.7	29.1	24.0	26.5	26.5	27.4	26.5	20.5	14.6
85°	0.0	0.0	11.1	12.0	16.3	16.3	13.7	13.7	13.7	12.0	8.6
87.5°	0.0	0.0	0.0	0.0	0.9	2.6	5.1	6.0	6.8	5.1	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



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	385.3	385.3	385.3	385.3	385.3	385.3	385.3	385.3	385.3	385.3	385.3
2.5°	357.9	356.2	358.7	360.5	362.2	362.2	360.5	358.7	356.2	358.7	356.2
5°	330.5	333.1	337.3	339.0	340.8	337.3	335.6	330.5	326.2	327.1	325.3
7.5°	309.1	311.6	316.8	320.2	320.2	318.5	313.4	308.2	301.4	301.4	300.5
10°	289.4	292.8	298.8	303.1	304.8	303.1	297.9	291.1	285.1	285.1	282.5
12.5°	273.1	277.4	284.3	290.2	292.0	290.2	285.1	278.3	271.4	271.4	269.7
15°	259.4	264.6	272.3	279.1	281.7	279.1	273.1	264.6	257.7	258.6	256.0
17.5°	246.6	250.9	261.1	268.8	271.4	268.8	261.1	250.0	243.2	244.9	243.2
20°	232.0	237.2	247.4	256.0	258.6	256.0	247.4	235.4	228.6	228.6	229.5
22.5°	216.6	221.7	232.0	238.0	241.4	238.9	230.3	219.2	212.3	212.3	213.2
25°	202.9	205.5	213.2	219.2	220.0	217.5	210.6	202.1	196.9	199.5	200.3
27.5°	190.1	190.1	193.5	196.9	196.1	193.5	190.9	184.1	183.2	185.8	188.4
30°	176.4	172.1	170.4	167.8	167.0	166.1	168.7	168.7	170.4	173.8	176.4
32.5°	164.4	155.8	148.1	140.4	136.1	139.6	146.4	152.4	158.4	163.5	166.1
35°	150.7	137.0	124.1	113.9	107.0	112.2	123.3	134.4	144.7	151.5	155.8
37.5°	137.0	117.3	101.9	89.0	83.9	88.2	100.2	115.6	131.0	139.6	145.5
40°	122.4	97.6	79.6	69.4	64.2	68.5	80.5	95.9	116.4	127.6	135.3
42.5°	107.9	80.5	64.2	53.9	51.4	53.9	63.4	78.8	101.0	114.7	125.0
45°	93.3	66.8	51.4	43.7	41.1	43.7	51.4	64.2	86.5	101.9	113.9
47.5°	80.5	56.5	42.8	36.0	34.2	36.8	42.8	53.9	72.8	88.2	101.9
50°	70.2	49.7	36.8	30.8	29.1	31.7	36.8	45.4	61.6	75.3	89.9
52.5°	63.4	46.2	32.5	26.5	25.7	27.4	31.7	38.5	52.2	64.2	77.9
55°	61.6	46.2	30.0	24.0	23.1	24.8	28.3	33.4	45.4	55.7	67.6
57.5°	63.4	49.7	28.3	20.5	19.7	21.4	24.8	29.1	39.4	47.9	59.1
60°	63.4	50.5	24.8	16.3	15.4	17.1	20.5	25.7	35.1	42.0	51.4
62.5°	57.4	46.2	20.5	12.8	11.1	12.8	17.1	21.4	30.8	37.7	45.4
65°	49.7	39.4	17.1	9.4	7.7	9.4	13.7	18.0	26.5	32.5	41.1
67.5°	40.2	30.0	12.8	6.8	5.1	6.8	10.3	14.6	22.3	28.3	36.8
70°	30.0	21.4	10.3	6.0	5.1	6.0	9.4	13.7	19.7	25.7	34.2
72.5°	22.3	14.6	8.6	6.0	4.3	6.0	8.6	12.8	18.8	24.8	32.5
75°	18.8	12.0	7.7	5.1	4.3	5.1	7.7	12.0	17.1	23.1	30.8
77.5°	18.0	11.1	6.8	4.3	3.4	4.3	6.8	10.3	15.4	21.4	30.0
80°	15.4	9.4	6.0	3.4	2.6	3.4	6.0	8.6	12.0	16.3	23.1
82.5°	12.0	7.7	4.3	1.7	0.9	1.7	4.3	5.1	7.7	9.4	13.7
85°	7.7	4.3	1.7	0.0	0.0	0.0	1.7	3.4	3.4	4.3	6.8
87.5°	3.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	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-SA2D-750-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	385.3	385.3	385.3	385.3	385.3	385.3	385.3	385.3	385.3	385.3
2.5°	361.3	362.2	363.9	366.4	372.4	377.6	382.7	389.6	393.0	393.0
5°	327.1	327.9	328.8	332.2	340.8	347.6	358.7	372.4	379.3	381.0
7.5°	300.5	302.2	303.9	306.5	315.1	324.5	339.0	364.7	377.6	380.1
10°	285.1	287.7	291.1	296.2	303.9	314.2	339.0	385.3	406.7	411.0
12.5°	273.1	277.4	280.8	286.8	296.2	312.5	362.2	443.5	481.2	491.4
15°	261.1	266.3	271.4	277.4	287.7	318.5	406.7	548.0	610.5	618.2
17.5°	249.1	255.1	262.0	268.8	281.7	333.1	476.9	692.6	780.0	797.1
20°	235.4	243.2	252.6	261.1	275.7	356.2	574.5	864.7	974.3	1011.1
22.5°	220.9	230.3	241.4	252.6	268.8	384.4	692.6	1049.7	1202.9	1226.9
25°	208.9	218.3	228.6	239.7	257.7	418.7	835.6	1279.1	1418.7	1441.8
27.5°	197.8	207.2	216.6	226.9	246.6	463.2	1007.7	1523.1	1668.7	1692.7
30°	185.8	196.9	206.3	216.6	236.3	518.0	1206.4	1793.7	1931.5	1953.8
32.5°	175.5	186.6	196.1	206.3	228.6	577.9	1415.3	2033.4	2145.6	2145.6
35°	167.0	178.9	185.8	199.5	222.6	616.4	1613.0	2262.0	2346.8	2343.4
37.5°	157.5	172.1	177.2	186.6	214.9	620.7	1798.8	2503.5	2566.0	2543.7
40°	148.1	163.5	171.2	176.4	206.3	585.6	2002.6	2725.2	2778.3	2749.2
42.5°	139.6	151.5	162.7	168.7	201.2	524.0	2166.1	2962.4	3025.7	3000.0
45°	131.0	141.3	148.1	159.2	204.6	481.2	2306.5	3238.9	3350.2	3331.4
47.5°	122.4	131.0	135.3	152.4	227.7	461.5	2392.2	3667.0	3876.8	3861.4
50°	113.0	123.3	123.3	150.7	262.0	468.3	2466.6	4286.9	4611.4	4606.2
52.5°	103.6	114.7	113.0	163.5	288.5	500.0	2551.4	4834.0	5398.2	5445.3
55°	94.2	104.5	106.2	189.2	303.9	527.4	2223.5	5064.3	6070.3	6235.5
57.5°	83.9	89.9	110.4	208.9	298.8	607.0	1523.1	5106.2	6499.2	6853.7
60°	72.8	77.9	125.0	204.6	282.5	560.8	958.9	4729.5	6438.4	6887.9
62.5°	63.4	71.9	131.9	180.7	287.7	486.3	611.3	4030.9	5858.8	6371.7
65°	55.7	69.4	119.9	163.5	291.1	329.6	412.7	3279.2	5292.9	5780.9
67.5°	49.7	77.1	98.5	145.5	250.0	232.0	283.4	2548.0	4450.4	4887.9
70°	45.4	78.8	80.5	125.0	193.5	149.0	186.6	1714.9	3067.7	3567.7
72.5°	41.1	58.2	60.8	100.2	125.0	90.8	120.7	981.2	2236.3	2577.1
75°	39.4	39.4	42.0	65.1	69.4	65.9	77.9	585.6	1603.6	1852.8
77.5°	36.8	30.0	26.5	42.0	37.7	47.1	46.2	260.3	695.2	751.7
80°	29.1	21.4	18.0	26.5	25.7	31.7	27.4	21.4	31.7	30.8
82.5°	18.0	13.7	12.8	16.3	14.6	16.3	12.8	3.4	3.4	3.4
85°	8.6	7.7	6.8	6.8	7.7	6.8	5.1	1.7	0.9	0.9
87.5°	4.3	4.3	3.4	2.6	3.4	3.4	2.6	0.9	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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