

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: P630398

Luminaire Tested: GWS-SA1D-750-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630398
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-750-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3309.1 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

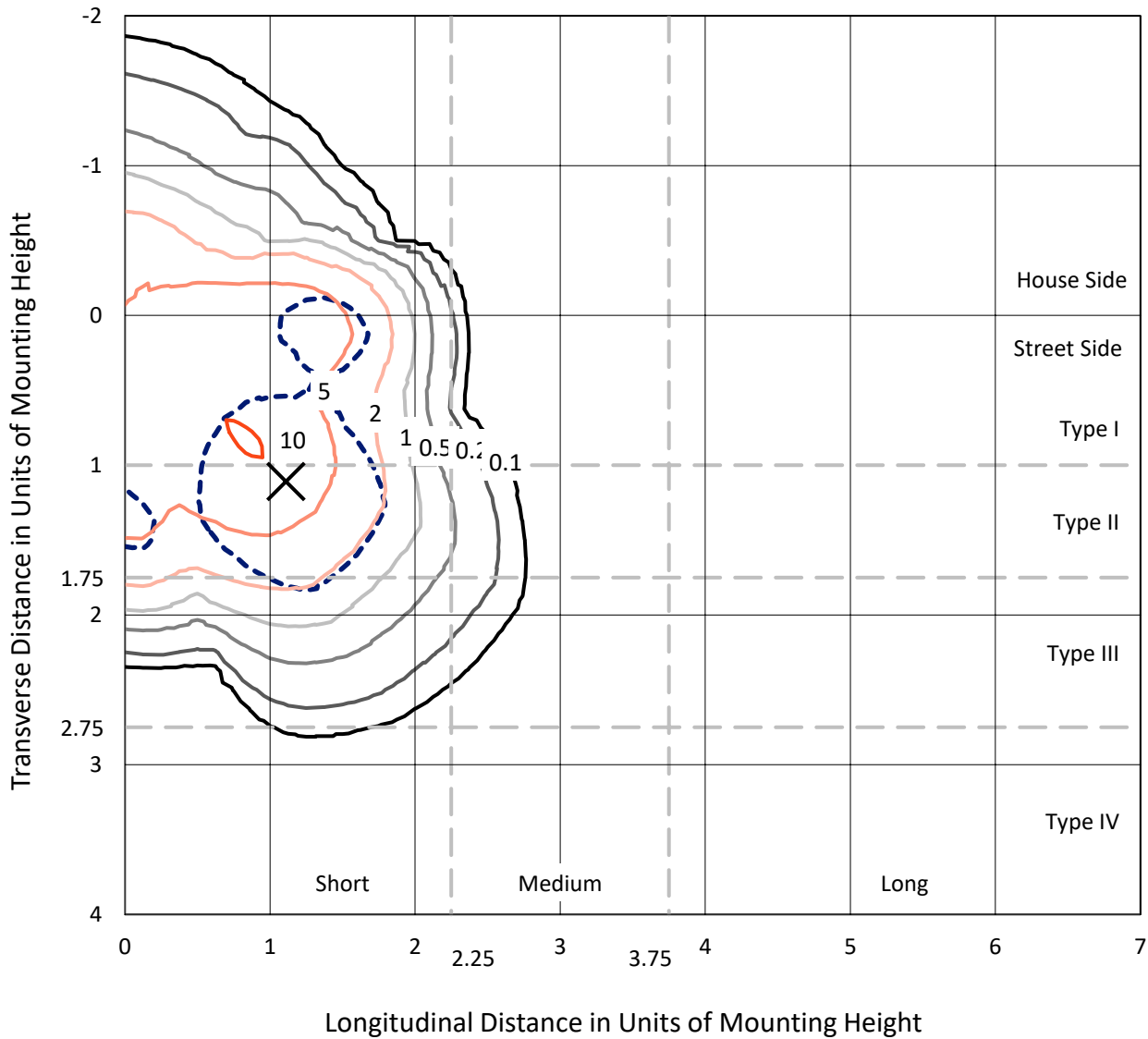
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

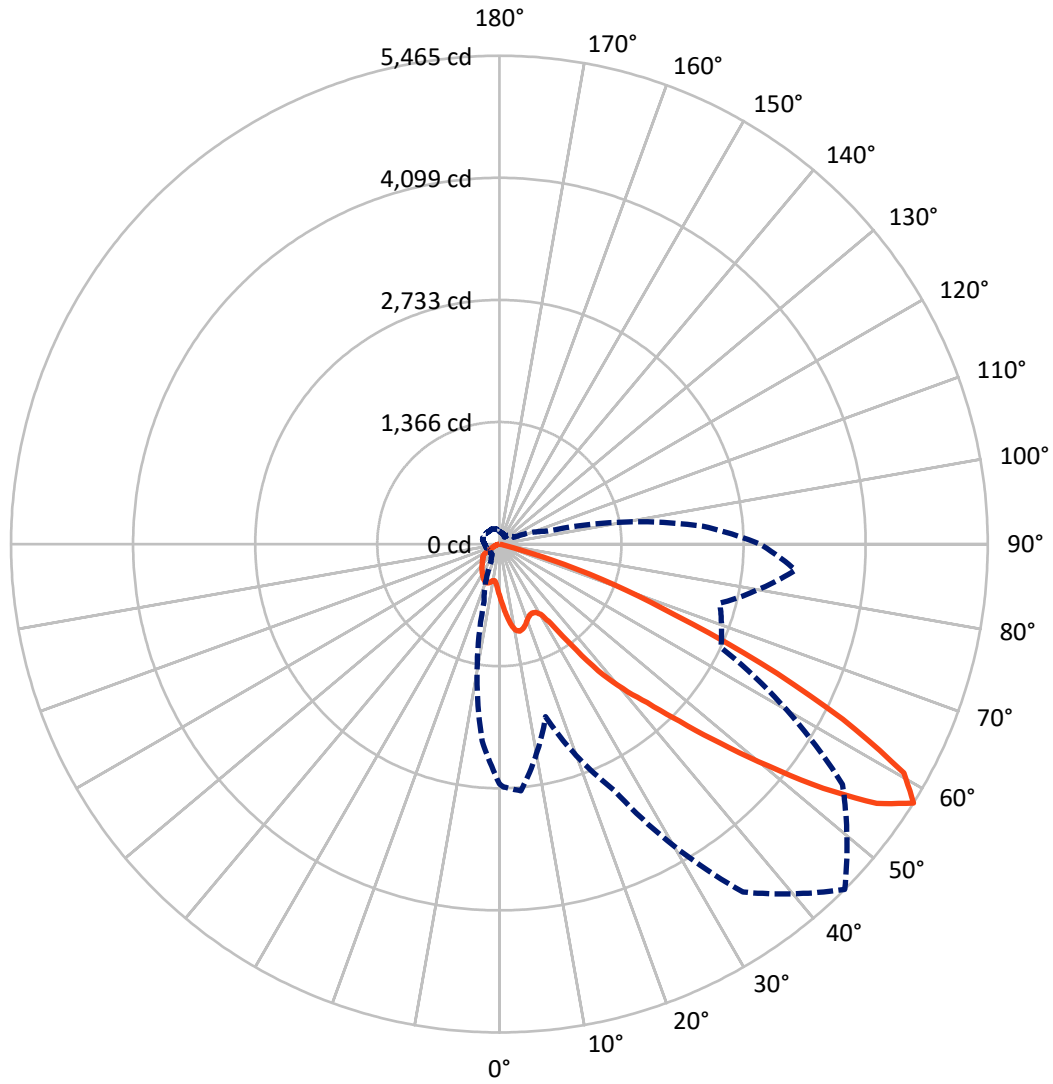
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	741.0	0.0	741.0
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	2568.1	0.0	2568.1
	% Fixture	77.6	0.0	77.6
Total	Lumens	3309.1	0.0	3309.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.2	1.7
10°-20°	185.1	5.6
20°-30°	300.7	9.1
30°-40°	464.6	14.0
40°-50°	745.0	22.5
50°-60°	1018.2	30.8
60°-70°	493.1	14.9
70°-80°	45.2	1.4
80°-90°	0.1	0.0
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°	3309.1	100.0
0°-180°	3309.1	100.0

Coefficient of Utilization



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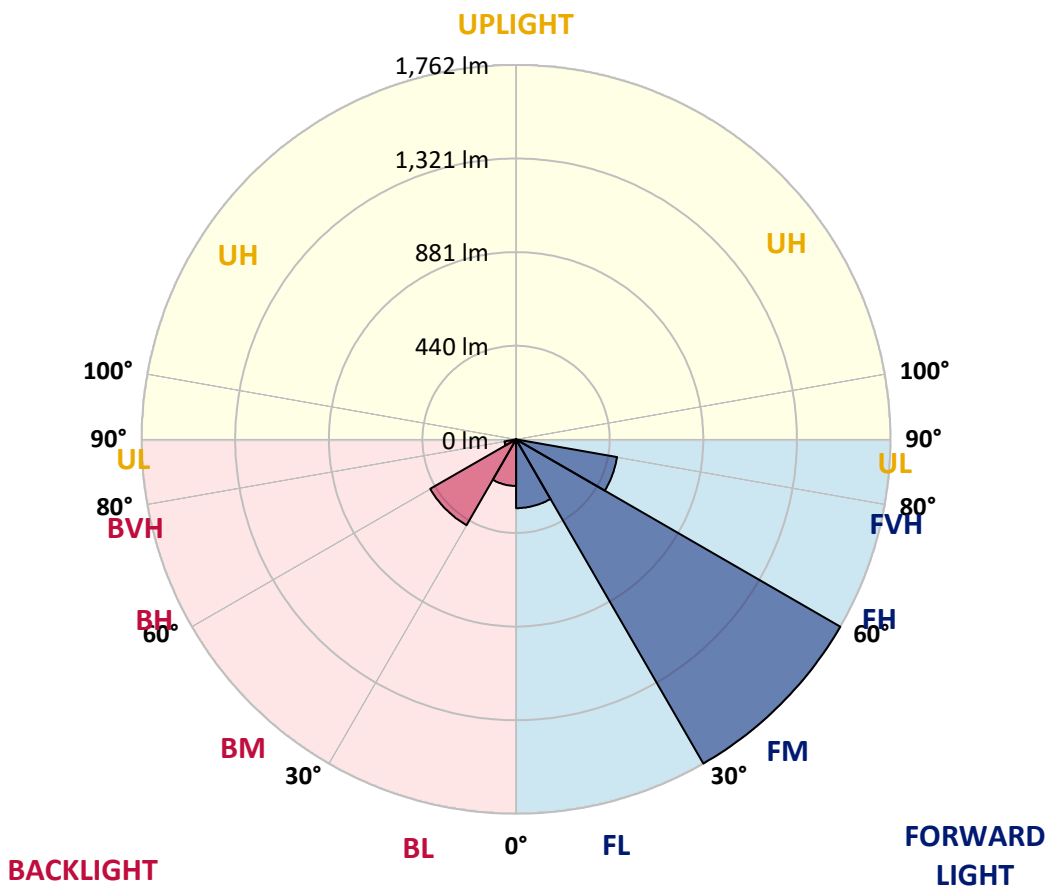
CATALOG NUMBER: GWS-SA1D-750-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	323.7	9.8			
FM (30°-60°)	1761.5	53.2			
FH (60°-80°)	482.7	14.6			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	219.3	6.6	B1/500		
BM (30°-60°)	466.2	14.1	B1/1000		
BH (60°-80°)	55.5	1.7	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	581.6	581.6	581.6	581.6	581.6	581.6	581.6	581.6	581.6	581.6	581.6
2.5°	630.1	634.1	640.7	655.0	667.0	675.0	678.5	677.7	672.8	669.2	662.1
5°	697.7	697.7	710.6	743.0	767.9	783.5	791.5	786.6	776.8	761.3	737.2
7.5°	756.8	759.0	780.8	827.1	864.9	887.1	900.0	897.3	880.0	850.2	802.2
10°	803.0	805.7	834.6	891.1	935.6	958.2	977.4	979.1	960.0	920.4	865.3
12.5°	848.0	850.6	880.9	935.1	974.2	983.6	1000.5	1007.1	1002.3	974.2	916.9
15°	896.4	902.7	928.4	968.9	985.4	974.2	985.4	997.4	1013.8	1011.1	959.6
17.5°	944.0	948.5	974.7	988.9	970.7	941.8	947.1	961.3	998.7	1035.2	1001.8
20°	988.0	994.3	1016.0	997.4	942.2	897.3	897.8	916.4	973.4	1049.8	1044.9
22.5°	1034.3	1043.6	1059.2	1006.7	916.0	862.2	864.4	881.3	953.3	1063.6	1093.9
25°	1094.7	1103.6	1113.9	1029.8	907.5	844.8	853.3	868.9	953.3	1087.2	1154.3
27.5°	1176.6	1182.8	1183.2	1073.0	922.2	847.5	865.3	883.1	981.8	1134.3	1235.3
30°	1279.3	1289.1	1276.2	1140.1	968.0	883.1	909.3	931.6	1043.2	1213.9	1354.4
32.5°	1404.2	1418.0	1400.7	1239.7	1063.6	1005.8	1053.4	1066.3	1141.0	1329.1	1489.6
35°	1551.0	1562.5	1543.8	1377.5	1286.8	1297.5	1383.8	1367.3	1337.5	1470.9	1647.4
37.5°	1711.9	1722.6	1686.6	1586.5	1616.8	1663.0	1800.9	1744.4	1648.3	1653.7	1818.6
40°	1859.6	1871.1	1814.6	1813.8	1876.0	1960.5	2126.8	2049.0	1918.2	1892.9	1979.2
42.5°	2012.5	2020.5	1969.4	1934.7	2076.1	2250.0	2426.0	2321.1	2097.0	2069.4	2180.1
45°	2230.8	2247.7	2156.6	1994.3	2256.2	2583.0	2828.5	2623.5	2218.8	2196.6	2487.8
47.5°	2551.9	2564.3	2378.5	2031.6	2423.8	2997.9	3331.4	3015.7	2326.0	2275.3	2908.5
50°	2817.3	2825.8	2582.6	2072.5	2602.1	3445.2	3904.5	3480.8	2446.5	2405.6	3301.1
52.5°	3013.0	3045.0	2850.7	2156.6	2836.5	3971.2	4539.0	4031.7	2634.6	2657.3	3626.6
55°	3053.5	3097.0	3033.9	2208.2	3042.8	4507.0	5125.1	4524.8	2822.2	2848.0	3736.0
57.5°	2683.5	2718.2	2770.7	2000.1	3037.9	4752.5	5465.3	4688.5	2736.9	2554.1	3326.5
60°	2010.3	2034.3	2129.5	1528.7	2793.8	4535.5	5200.3	4410.1	2393.1	1948.9	2534.5
62.5°	1192.1	1202.8	1323.3	990.2	2318.9	3905.9	4312.7	3805.4	1891.1	1310.8	1552.3
65°	457.6	453.1	545.1	488.7	1705.3	3111.3	3207.7	2900.9	1297.5	600.7	591.8
67.5°	70.7	67.6	91.2	144.5	1229.9	2156.1	2116.6	2090.8	812.8	140.1	122.3
70°	16.0	16.0	19.6	42.7	751.5	1266.8	1355.8	1292.6	520.2	29.8	16.0
72.5°	7.6	7.6	9.3	18.2	272.1	522.0	608.3	599.0	169.0	9.8	5.8
75°	2.7	3.1	3.1	4.0	16.5	27.1	62.3	44.5	10.7	0.0	0.0
77.5°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	581.6	581.6	581.6	581.6	581.6	581.6	581.6	581.6	581.6	581.6	581.6
2.5°	646.5	643.4	631.9	616.3	601.2	587.8	574.1	557.6	545.6	531.8	527.4
5°	718.6	699.0	667.4	634.5	604.3	578.5	553.6	526.9	507.4	487.8	481.1
7.5°	779.5	750.6	699.4	650.1	608.7	572.3	536.3	499.8	471.3	448.2	441.1
10°	834.2	800.8	732.3	671.4	619.4	577.2	533.6	487.8	450.9	423.3	416.6
12.5°	881.3	842.6	760.4	687.4	623.9	575.4	533.1	496.7	463.3	431.8	423.3
15°	920.9	878.2	783.9	698.1	617.2	553.2	516.2	510.5	507.8	473.1	456.7
17.5°	959.6	911.5	803.0	703.0	598.5	514.0	487.3	513.6	541.6	518.9	498.0
20°	1000.0	945.3	822.6	703.9	567.4	470.0	465.6	506.9	542.5	535.4	515.8
22.5°	1047.6	987.6	847.1	703.4	528.3	432.7	449.5	494.0	522.9	522.5	506.9
25°	1116.5	1040.9	880.0	706.1	485.6	403.7	431.8	472.2	495.8	494.9	482.0
27.5°	1190.3	1104.5	922.7	712.8	449.1	386.9	410.9	442.4	462.9	462.0	450.9
30°	1293.9	1177.9	963.6	713.2	422.9	378.0	387.7	409.5	429.1	426.9	418.4
32.5°	1419.8	1260.6	997.8	687.9	406.4	369.5	363.7	374.8	390.0	386.9	384.6
35°	1571.9	1358.9	1027.2	632.3	381.1	352.6	337.0	339.3	349.9	351.7	350.8
37.5°	1745.3	1475.8	1063.6	558.9	346.8	328.2	307.3	305.5	311.7	317.5	321.9
40°	1916.5	1607.4	1113.0	484.7	315.7	297.0	277.0	272.6	275.2	285.5	294.8
42.5°	2109.0	1759.9	1166.3	421.1	294.4	262.8	243.7	235.2	242.8	259.2	270.4
45°	2386.5	1973.8	1218.4	370.4	285.5	232.6	206.8	205.9	214.3	235.7	248.1
47.5°	2776.0	2250.4	1252.6	330.8	285.0	209.0	178.3	183.6	193.4	214.3	228.6
50°	3155.7	2596.8	1214.8	300.6	275.7	193.4	157.0	167.6	177.4	195.6	210.3
52.5°	3384.7	2783.1	1067.6	272.1	246.8	186.3	136.1	154.7	156.5	173.0	188.5
55°	3360.7	2662.6	817.7	228.1	204.1	176.1	114.3	139.6	140.5	153.0	166.3
57.5°	2916.9	2286.0	561.6	185.0	153.4	145.4	94.3	117.8	126.3	133.8	143.6
60°	2173.9	1667.9	250.3	150.3	97.4	98.3	80.5	88.9	101.8	110.7	119.2
62.5°	1281.1	959.6	101.8	90.3	53.8	61.8	64.9	64.9	72.9	79.6	84.9
65°	484.2	335.7	41.4	45.4	28.0	28.9	38.2	47.1	53.4	59.1	66.3
67.5°	84.9	58.7	21.3	16.9	16.5	14.7	19.6	30.7	34.2	38.7	41.8
70°	14.2	12.0	8.9	8.4	7.6	8.0	12.9	21.8	24.0	25.3	26.7
72.5°	4.0	3.6	2.7	2.2	1.8	2.2	8.0	16.9	17.8	18.7	20.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	12.0	12.9	13.3	14.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	3.6	4.4	3.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	581.6	581.6	581.6	581.6	581.6	581.6	581.6	581.6	581.6	581.6	581.6
2.5°	524.7	515.8	510.9	508.2	508.2	504.7	500.7	499.3	505.1	505.1	514.9
5°	472.7	465.6	457.6	452.7	445.1	446.4	442.0	441.5	447.3	450.0	460.2
7.5°	436.7	427.8	422.9	419.8	415.8	414.0	410.0	408.6	411.8	416.2	426.0
10°	412.6	411.3	410.9	413.1	413.1	410.9	407.3	405.1	406.0	414.4	425.5
12.5°	418.9	421.5	422.4	426.0	427.8	426.0	423.3	424.2	430.0	445.5	462.0
15°	446.0	443.8	442.9	444.7	446.0	444.2	443.3	450.0	470.0	492.2	510.9
17.5°	474.9	460.7	454.4	454.4	455.3	454.4	455.3	468.2	500.7	522.9	536.7
20°	489.6	463.3	453.5	451.3	453.1	453.5	456.7	471.3	506.9	522.5	525.6
22.5°	485.1	452.2	441.1	439.3	441.1	442.9	446.0	458.4	491.8	499.8	498.5
25°	462.9	430.4	421.5	421.5	425.5	425.1	426.4	435.3	462.9	467.8	465.6
27.5°	434.9	404.2	396.6	401.1	404.6	403.7	404.2	411.8	432.2	433.5	431.3
30°	406.4	379.7	372.6	378.0	382.8	382.0	382.4	390.0	402.9	401.5	398.4
32.5°	377.5	357.9	352.6	355.7	363.3	362.4	364.2	372.2	377.1	371.3	367.7
35°	350.8	340.6	336.6	338.4	344.2	345.5	348.6	353.9	353.9	346.8	340.6
37.5°	325.9	324.6	321.9	319.7	325.0	329.0	333.5	339.7	330.8	320.6	314.8
40°	302.8	308.6	305.0	299.3	302.4	308.1	317.0	321.9	311.3	301.0	291.2
42.5°	281.5	291.2	289.9	282.8	285.5	290.8	301.0	305.0	292.6	281.0	271.7
45°	261.0	274.8	275.7	266.8	269.5	274.8	286.8	288.1	272.1	259.7	253.0
47.5°	243.2	258.3	258.8	252.1	253.0	260.6	271.7	272.1	253.9	242.3	233.9
50°	226.3	243.7	245.0	239.2	240.1	249.0	258.3	256.6	237.0	225.0	217.4
52.5°	205.9	229.4	232.6	229.9	233.4	240.6	246.3	240.1	217.4	205.4	198.8
55°	183.6	214.3	221.0	219.2	223.2	229.0	230.3	226.3	197.9	185.9	179.6
57.5°	157.9	176.5	188.1	184.5	187.6	193.4	197.4	194.3	173.0	163.6	158.3
60°	130.7	143.2	145.8	140.1	137.4	147.6	157.0	153.0	134.7	129.0	122.7
62.5°	95.6	109.8	111.6	104.0	100.9	112.1	120.1	116.1	96.0	89.8	84.9
65°	76.5	89.8	93.4	86.3	84.5	92.9	97.8	88.0	73.8	67.1	61.8
67.5°	50.2	60.9	70.3	69.8	66.3	68.9	65.4	57.4	47.1	43.6	40.0
70°	31.1	37.4	43.1	45.4	44.9	44.0	39.1	33.3	30.2	28.9	27.1
72.5°	24.0	30.2	34.7	36.0	36.5	35.1	31.1	25.8	22.7	20.9	19.6
75°	17.8	22.7	26.2	28.0	28.9	28.0	24.0	20.5	17.3	16.0	14.7
77.5°	6.2	7.6	9.3	10.2	9.8	9.3	8.4	8.4	6.7	6.2	5.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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-SA1D-750-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	581.6	581.6	581.6	581.6	581.6	581.6	581.6	581.6	581.6	581.6
2.5°	526.0	534.0	548.7	562.0	576.3	590.9	607.0	623.4	631.0	630.1
5°	475.8	493.1	517.1	543.4	572.7	604.3	639.4	675.4	691.0	697.7
7.5°	444.2	468.7	500.2	533.6	572.3	617.2	670.1	726.6	749.2	756.8
10°	448.2	476.7	502.9	535.4	576.7	635.0	700.8	767.9	794.6	803.0
12.5°	480.7	486.9	494.0	520.7	572.7	648.3	728.8	808.8	839.5	848.0
15°	510.0	481.1	467.8	492.2	558.5	657.6	757.2	852.8	886.6	896.4
17.5°	511.4	467.8	438.0	457.1	535.4	661.6	785.3	897.8	934.7	944.0
20°	494.9	453.1	414.9	415.3	503.8	660.8	808.4	938.2	979.6	988.0
22.5°	470.9	435.8	396.2	382.4	470.0	659.0	833.7	981.4	1026.3	1034.3
25°	444.2	413.5	378.4	357.5	436.2	660.8	869.3	1037.8	1087.2	1094.7
27.5°	415.3	389.1	364.6	347.7	407.7	667.4	912.0	1109.9	1168.6	1176.6
30°	385.1	365.5	355.7	345.5	390.0	669.2	958.2	1193.9	1268.2	1279.3
32.5°	355.3	344.6	345.1	346.8	373.1	656.8	1000.5	1287.3	1386.4	1404.2
35°	327.7	324.6	333.5	342.4	348.6	624.7	1037.4	1397.6	1532.7	1551.0
37.5°	304.1	306.8	317.9	326.8	321.9	579.4	1086.3	1535.4	1696.4	1711.9
40°	281.5	288.1	301.0	305.0	301.5	526.5	1145.0	1668.3	1838.2	1859.6
42.5°	260.6	265.5	283.7	284.6	295.7	472.7	1201.5	1811.5	2001.4	2012.5
45°	243.7	242.8	261.5	267.2	303.3	413.1	1256.6	2002.3	2214.8	2230.8
47.5°	227.2	226.3	230.8	257.0	306.4	357.9	1311.3	2281.5	2524.3	2551.9
50°	211.7	213.0	199.2	252.1	289.5	315.7	1336.2	2539.9	2805.8	2817.3
52.5°	197.9	193.0	169.0	236.1	253.5	275.7	1265.5	2657.3	2980.1	3013.0
55°	178.3	151.2	139.2	191.6	200.1	240.6	1036.5	2589.2	2995.2	3053.5
57.5°	152.5	118.7	118.3	141.4	141.4	223.2	663.9	2212.2	2581.2	2683.5
60°	117.4	92.0	97.8	98.3	90.7	162.7	372.6	1602.5	1908.5	2010.3
62.5°	83.6	70.3	73.8	58.7	52.0	81.4	178.8	922.7	1177.9	1192.1
65°	56.0	47.6	38.7	32.5	32.0	34.7	73.8	333.5	405.5	457.6
67.5°	36.9	28.9	20.5	20.5	23.1	23.1	28.0	55.1	77.4	70.7
70°	24.0	20.0	12.9	12.5	15.1	15.1	14.2	15.1	16.0	16.0
72.5°	17.8	15.1	7.6	6.7	8.4	8.9	8.0	7.6	7.6	7.6
75°	13.3	10.7	4.4	3.1	4.0	5.3	4.4	3.1	3.1	2.7
77.5°	5.3	4.0	1.8	1.3	2.2	3.1	2.7	1.3	0.9	0.9
80°	0.4	0.9	0.9	0.9	1.3	1.8	2.2	0.9	0.4	0.4
82.5°	0.0	0.4	0.4	0.4	0.9	1.3	1.8	0.9	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.9	1.3	0.9	0.4	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.4	1.3	0.9	0.4	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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