

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: P630453

Luminaire Tested: GWS-SA1D-760-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630453
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3263.8 lumens
Efficiency: N/A
Efficacy: 73.7 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

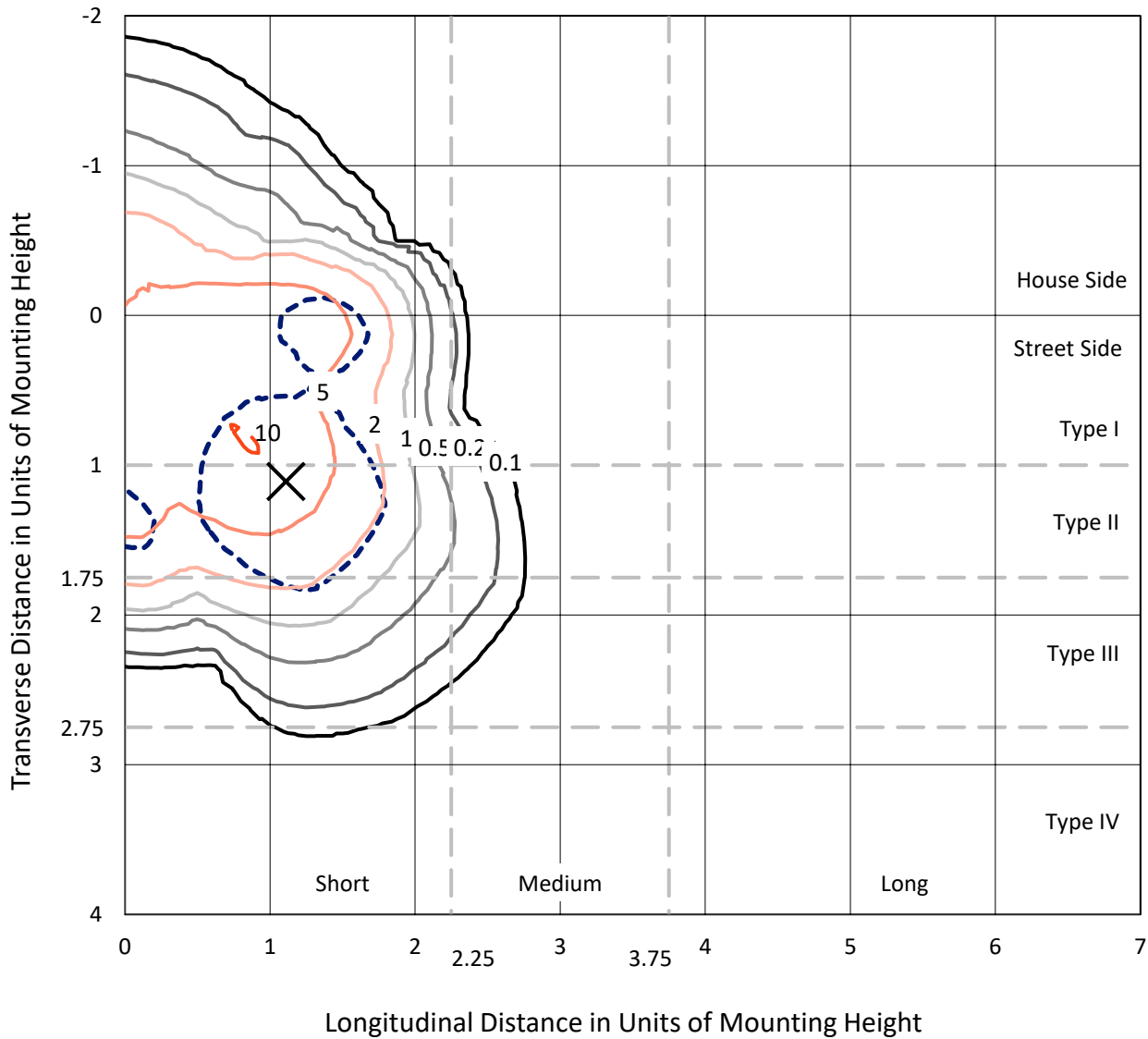
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

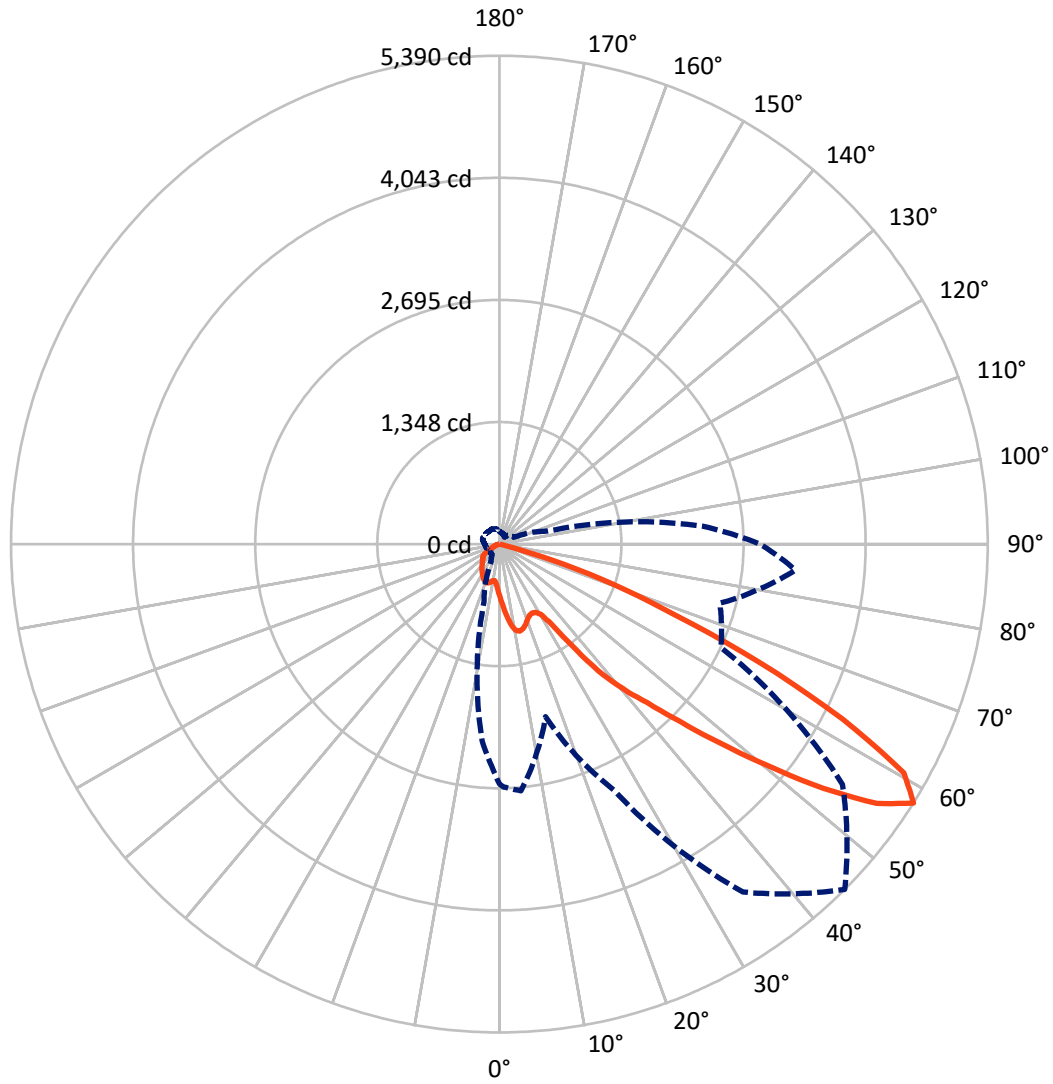
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.2 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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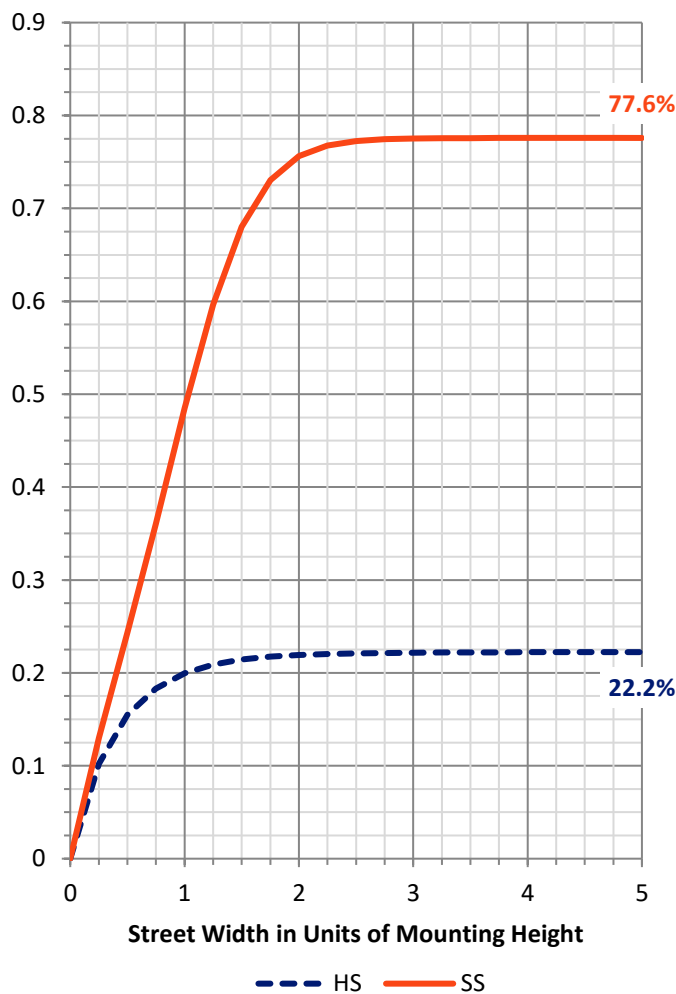
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	730.8	0.0	730.8
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	2533.0	0.0	2533.0
	% Fixture	77.6	0.0	77.6
Total	Lumens	3263.8	0.0	3263.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.4	1.7
10°-20°	182.6	5.6
20°-30°	296.6	9.1
30°-40°	458.2	14.0
40°-50°	734.8	22.5
50°-60°	1004.2	30.8
60°-70°	486.4	14.9
70°-80°	44.5	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°	3263.8	100.0
0°-180°	3263.8	100.0

Coefficient of Utilization



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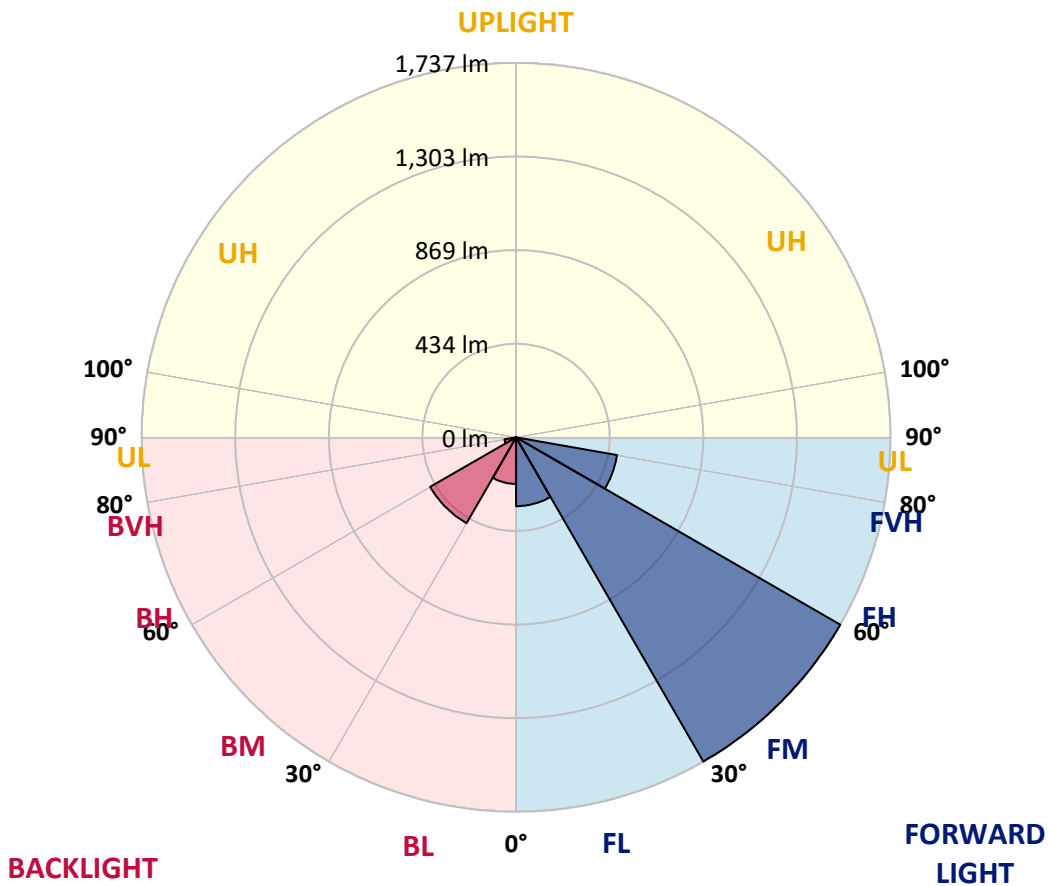
CATALOG NUMBER: GWS-SA1D-760-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	319.3	9.8			
FM (30°-60°)	1737.4	53.2			
FH (60°-80°)	476.1	14.6			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	216.3	6.6	B1/500		
BM (30°-60°)	459.8	14.1	B1/1000		
BH (60°-80°)	54.8	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°	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6
2.5°	621.5	625.4	632.0	646.0	657.9	665.7	669.3	668.4	663.6	660.0	653.0
5°	688.1	688.1	700.8	732.8	757.4	772.8	780.7	775.8	766.2	750.8	727.1
7.5°	746.4	748.6	770.1	815.7	853.0	874.9	887.7	885.0	867.9	838.5	791.2
10°	792.1	794.7	823.2	878.9	922.7	945.1	964.0	965.7	946.9	907.8	853.5
12.5°	836.4	839.0	868.8	922.3	960.9	970.1	986.8	993.4	988.5	960.9	904.3
15°	884.2	890.3	915.7	955.6	971.9	960.9	971.9	983.7	999.9	997.3	946.4
17.5°	931.1	935.5	961.3	975.4	957.4	928.9	934.2	948.2	985.0	1021.0	988.1
20°	974.5	980.6	1002.1	983.7	929.3	885.0	885.5	903.9	960.0	1035.5	1030.6
22.5°	1020.1	1029.3	1044.7	992.9	903.5	850.4	852.6	869.2	940.3	1049.1	1078.9
25°	1079.8	1088.5	1098.6	1015.7	895.1	833.3	841.6	857.0	940.3	1072.3	1138.5
27.5°	1160.5	1166.6	1167.0	1058.3	909.6	835.9	853.5	871.0	968.4	1118.8	1218.3
30°	1261.8	1271.4	1258.7	1124.5	954.8	871.0	896.9	918.8	1028.9	1197.3	1335.9
32.5°	1385.0	1398.6	1381.5	1222.7	1049.1	992.0	1039.0	1051.7	1125.4	1310.9	1469.2
35°	1529.7	1541.1	1522.7	1358.7	1269.2	1279.7	1364.8	1348.6	1319.2	1450.8	1624.9
37.5°	1688.5	1699.0	1663.5	1564.8	1594.6	1640.2	1776.2	1720.5	1625.8	1631.0	1793.7
40°	1834.1	1845.5	1789.8	1788.9	1850.3	1933.6	2097.7	2020.9	1892.0	1867.0	1952.1
42.5°	1985.0	1992.9	1942.4	1908.2	2047.7	2219.2	2392.8	2289.3	2068.3	2041.1	2150.3
45°	2200.3	2217.0	2127.1	1967.0	2225.3	2547.6	2789.7	2587.6	2188.5	2166.5	2453.8
47.5°	2516.9	2529.2	2345.9	2003.8	2390.6	2956.8	3285.8	2974.4	2294.2	2244.2	2868.7
50°	2778.8	2787.1	2547.2	2044.2	2566.5	3398.0	3851.1	3433.1	2413.0	2372.7	3255.9
52.5°	2971.7	3003.3	2811.7	2127.1	2797.6	3916.9	4476.9	3976.5	2598.5	2620.9	3577.0
55°	3011.7	3054.6	2992.4	2177.9	3001.1	4445.3	5054.9	4462.9	2783.6	2809.0	3684.9
57.5°	2646.8	2681.0	2732.7	1972.7	2996.3	4687.4	5390.4	4624.3	2699.4	2519.1	3280.9
60°	1982.8	2006.5	2100.3	1507.8	2755.5	4473.4	5129.1	4349.7	2360.4	1922.2	2499.8
62.5°	1175.8	1186.3	1305.2	976.7	2287.1	3852.4	4253.7	3753.3	1865.2	1292.9	1531.0
65°	451.3	446.9	537.7	482.0	1681.9	3068.7	3163.8	2861.2	1279.7	592.5	583.7
67.5°	69.7	66.7	89.9	142.5	1213.1	2126.6	2087.6	2062.2	801.7	138.1	120.6
70°	15.8	15.8	19.3	42.1	741.2	1249.5	1337.2	1274.9	513.1	29.4	15.8
72.5°	7.5	7.5	9.2	18.0	268.4	514.9	600.0	590.8	166.7	9.6	5.7
75°	2.6	3.1	3.1	3.9	16.2	26.8	61.4	43.9	10.5	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°	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6
2.5°	637.7	634.6	623.2	607.9	592.9	579.8	566.2	550.0	538.1	524.5	520.1
5°	708.7	689.4	658.3	625.8	596.0	570.6	546.0	519.7	500.4	481.1	474.5
7.5°	768.8	740.3	689.9	641.2	600.4	564.4	528.9	493.0	464.9	442.1	435.1
10°	822.8	789.9	722.3	662.2	610.9	569.3	526.3	481.1	444.7	417.5	410.9
12.5°	869.2	831.1	750.0	678.0	615.3	567.5	525.8	489.9	457.0	425.9	417.5
15°	908.3	866.2	773.2	688.6	608.7	545.6	509.2	503.5	500.8	466.6	450.4
17.5°	946.4	899.1	792.1	693.4	590.3	507.0	480.7	506.5	534.2	511.8	491.2
20°	986.3	932.4	811.4	694.3	559.6	463.6	459.2	500.0	535.1	528.0	508.7
22.5°	1033.3	974.1	835.5	693.8	521.0	426.7	443.4	487.2	515.8	515.3	500.0
25°	1101.2	1026.7	867.9	696.4	478.9	398.2	425.9	465.8	489.0	488.1	475.4
27.5°	1174.0	1089.4	910.0	703.0	443.0	381.6	405.2	436.4	456.6	455.7	444.7
30°	1276.2	1161.8	950.4	703.5	417.1	372.8	382.4	403.9	423.2	421.0	412.7
32.5°	1400.3	1243.3	984.1	678.5	400.9	364.5	358.7	369.7	384.6	381.6	379.4
35°	1550.3	1340.3	1013.1	623.6	375.9	347.8	332.4	334.6	345.2	346.9	346.0
37.5°	1721.4	1455.6	1049.1	551.3	342.1	323.7	303.1	301.3	307.4	313.1	317.5
40°	1890.2	1585.4	1097.7	478.0	311.4	293.0	273.2	268.8	271.5	281.6	290.8
42.5°	2080.1	1735.9	1150.4	415.3	290.3	259.2	240.3	232.0	239.5	255.7	266.6
45°	2353.8	1946.8	1201.7	365.3	281.6	229.4	203.9	203.1	211.4	232.4	244.7
47.5°	2738.0	2219.6	1235.4	326.3	281.1	206.1	175.9	181.1	190.8	211.4	225.4
50°	3112.5	2561.2	1198.2	296.5	271.9	190.8	154.8	165.3	175.0	193.0	207.4
52.5°	3338.4	2745.0	1053.0	268.4	243.4	183.8	134.2	152.6	154.4	170.6	186.0
55°	3314.7	2626.1	806.5	225.0	201.3	173.7	112.7	137.7	138.6	150.9	164.0
57.5°	2877.0	2254.7	553.9	182.4	151.3	143.4	93.0	116.2	124.6	132.0	141.7
60°	2144.2	1645.1	246.9	148.2	96.0	96.9	79.4	87.7	100.4	109.2	117.5
62.5°	1263.5	946.4	100.4	89.0	53.1	61.0	64.0	64.0	71.9	78.5	83.8
65°	477.6	331.1	40.8	44.7	27.6	28.5	37.7	46.5	52.6	58.3	65.3
67.5°	83.8	57.9	21.1	16.7	16.2	14.5	19.3	30.3	33.8	38.2	41.2
70°	14.0	11.8	8.8	8.3	7.5	7.9	12.7	21.5	23.7	25.0	26.3
72.5°	3.9	3.5	2.6	2.2	1.8	2.2	7.9	16.7	17.5	18.4	19.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	11.8	12.7	13.2	14.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	3.5	4.4	3.5
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°	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6
2.5°	517.5	508.7	503.9	501.3	501.3	497.8	493.8	492.5	498.2	498.2	507.9
5°	466.2	459.2	451.3	446.5	439.0	440.3	435.9	435.5	441.2	443.8	453.9
7.5°	430.7	421.9	417.1	414.0	410.1	408.3	404.4	403.0	406.1	410.5	420.1
10°	407.0	405.7	405.2	407.4	407.4	405.2	401.7	399.5	400.4	408.7	419.7
12.5°	413.1	415.8	416.6	420.1	421.9	420.1	417.5	418.4	424.1	439.4	455.7
15°	439.9	437.7	436.8	438.6	439.9	438.1	437.3	443.8	463.6	485.5	503.9
17.5°	468.4	454.4	448.2	448.2	449.1	448.2	449.1	461.8	493.8	515.8	529.4
20°	482.9	457.0	447.3	445.1	446.9	447.3	450.4	464.9	500.0	515.3	518.4
22.5°	478.5	446.0	435.1	433.3	435.1	436.8	439.9	452.2	485.1	493.0	491.6
25°	456.6	424.5	415.8	415.8	419.7	419.3	420.6	429.4	456.6	461.4	459.2
27.5°	428.9	398.7	391.2	395.6	399.1	398.2	398.7	406.1	426.3	427.6	425.4
30°	400.9	374.5	367.5	372.8	377.6	376.7	377.2	384.6	397.3	396.0	393.0
32.5°	372.3	353.0	347.8	350.9	358.3	357.4	359.2	367.1	371.9	366.2	362.7
35°	346.0	335.9	332.0	333.8	339.5	340.8	343.8	349.1	349.1	342.1	335.9
37.5°	321.5	320.2	317.5	315.3	320.6	324.5	328.9	335.1	326.3	316.2	310.5
40°	298.7	304.4	300.9	295.2	298.2	303.9	312.7	317.5	307.0	296.9	287.3
42.5°	277.6	287.3	285.9	278.9	281.6	286.8	296.9	300.9	288.6	277.2	268.0
45°	257.4	271.0	271.9	263.1	265.8	271.0	282.9	284.2	268.4	256.1	249.5
47.5°	239.9	254.8	255.2	248.7	249.5	257.0	268.0	268.4	250.4	239.0	230.7
50°	223.2	240.3	241.7	235.9	236.8	245.6	254.8	253.1	233.8	221.9	214.5
52.5°	203.1	226.3	229.4	226.7	230.2	237.3	243.0	236.8	214.5	202.6	196.0
55°	181.1	211.4	218.0	216.2	220.2	225.9	227.2	223.2	195.2	183.3	177.2
57.5°	155.7	174.1	185.5	182.0	185.1	190.8	194.7	191.7	170.6	161.4	156.1
60°	128.9	141.2	143.9	138.1	135.5	145.6	154.8	150.9	132.9	127.2	121.0
62.5°	94.3	108.3	110.1	102.6	99.6	110.5	118.4	114.5	94.7	88.6	83.8
65°	75.4	88.6	92.1	85.1	83.3	91.7	96.5	86.8	72.8	66.2	61.0
67.5°	49.6	60.1	69.3	68.9	65.3	68.0	64.5	56.6	46.5	43.0	39.5
70°	30.7	36.8	42.5	44.7	44.3	43.4	38.6	32.9	29.8	28.5	26.8
72.5°	23.7	29.8	34.2	35.5	36.0	34.6	30.7	25.4	22.4	20.6	19.3
75°	17.5	22.4	25.9	27.6	28.5	27.6	23.7	20.2	17.1	15.8	14.5
77.5°	6.1	7.5	9.2	10.1	9.6	9.2	8.3	8.3	6.6	6.1	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-760-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6	573.6
2.5°	518.8	526.7	541.2	554.4	568.4	582.9	598.6	614.9	622.3	621.5
5°	469.3	486.4	510.1	535.9	564.9	596.0	630.7	666.2	681.5	688.1
7.5°	438.1	462.3	493.4	526.3	564.4	608.7	660.9	716.6	739.0	746.4
10°	442.1	470.1	496.0	528.0	568.8	626.3	691.2	757.4	783.7	792.1
12.5°	474.1	480.2	487.2	513.6	564.9	639.4	718.8	797.8	828.0	836.4
15°	503.0	474.5	461.4	485.5	550.8	648.6	746.9	841.2	874.5	884.2
17.5°	504.4	461.4	432.0	450.8	528.0	652.6	774.5	885.5	921.9	931.1
20°	488.1	446.9	409.2	409.6	496.9	651.7	797.3	925.4	966.2	974.5
22.5°	464.4	429.8	390.8	377.2	463.6	650.0	822.3	967.9	1012.2	1020.1
25°	438.1	407.9	373.2	352.6	430.2	651.7	857.4	1023.6	1072.3	1079.8
27.5°	409.6	383.7	359.6	343.0	402.2	658.3	899.5	1094.7	1152.6	1160.5
30°	379.8	360.5	350.9	340.8	384.6	660.0	945.1	1177.6	1250.8	1261.8
32.5°	350.4	339.9	340.3	342.1	368.0	647.8	986.8	1269.7	1367.5	1385.0
35°	323.2	320.2	328.9	337.7	343.8	616.2	1023.2	1378.4	1511.7	1529.7
37.5°	300.0	302.6	313.6	322.3	317.5	571.5	1071.4	1514.4	1673.1	1688.5
40°	277.6	284.2	296.9	300.9	297.3	519.3	1129.3	1645.5	1813.0	1834.1
42.5°	257.0	261.8	279.8	280.7	291.6	466.2	1185.0	1786.7	1974.0	1985.0
45°	240.3	239.5	257.9	263.6	299.1	407.4	1239.4	1974.9	2184.5	2200.3
47.5°	224.1	223.2	227.6	253.5	302.2	353.0	1293.3	2250.3	2489.8	2516.9
50°	208.8	210.1	196.5	248.7	285.5	311.4	1317.9	2505.1	2767.4	2778.8
52.5°	195.2	190.3	166.7	232.9	250.0	271.9	1248.2	2620.9	2939.3	2971.7
55°	175.9	149.1	137.3	189.0	197.4	237.3	1022.3	2553.8	2954.2	3011.7
57.5°	150.4	117.1	116.7	139.5	139.5	220.2	654.8	2181.9	2545.9	2646.8
60°	115.8	90.8	96.5	96.9	89.5	160.5	367.5	1580.6	1882.3	1982.8
62.5°	82.5	69.3	72.8	57.9	51.3	80.3	176.3	910.0	1161.8	1175.8
65°	55.3	46.9	38.2	32.0	31.6	34.2	72.8	328.9	400.0	451.3
67.5°	36.4	28.5	20.2	20.2	22.8	22.8	27.6	54.4	76.3	69.7
70°	23.7	19.7	12.7	12.3	14.9	14.9	14.0	14.9	15.8	15.8
72.5°	17.5	14.9	7.5	6.6	8.3	8.8	7.9	7.5	7.5	7.5
75°	13.2	10.5	4.4	3.1	3.9	5.3	4.4	3.1	3.1	2.6
77.5°	5.3	3.9	1.8	1.3	2.2	3.1	2.6	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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