

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: P630126

Luminaire Tested: GWS-SA1D-722-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630126
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-41)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-722-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4229.1 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

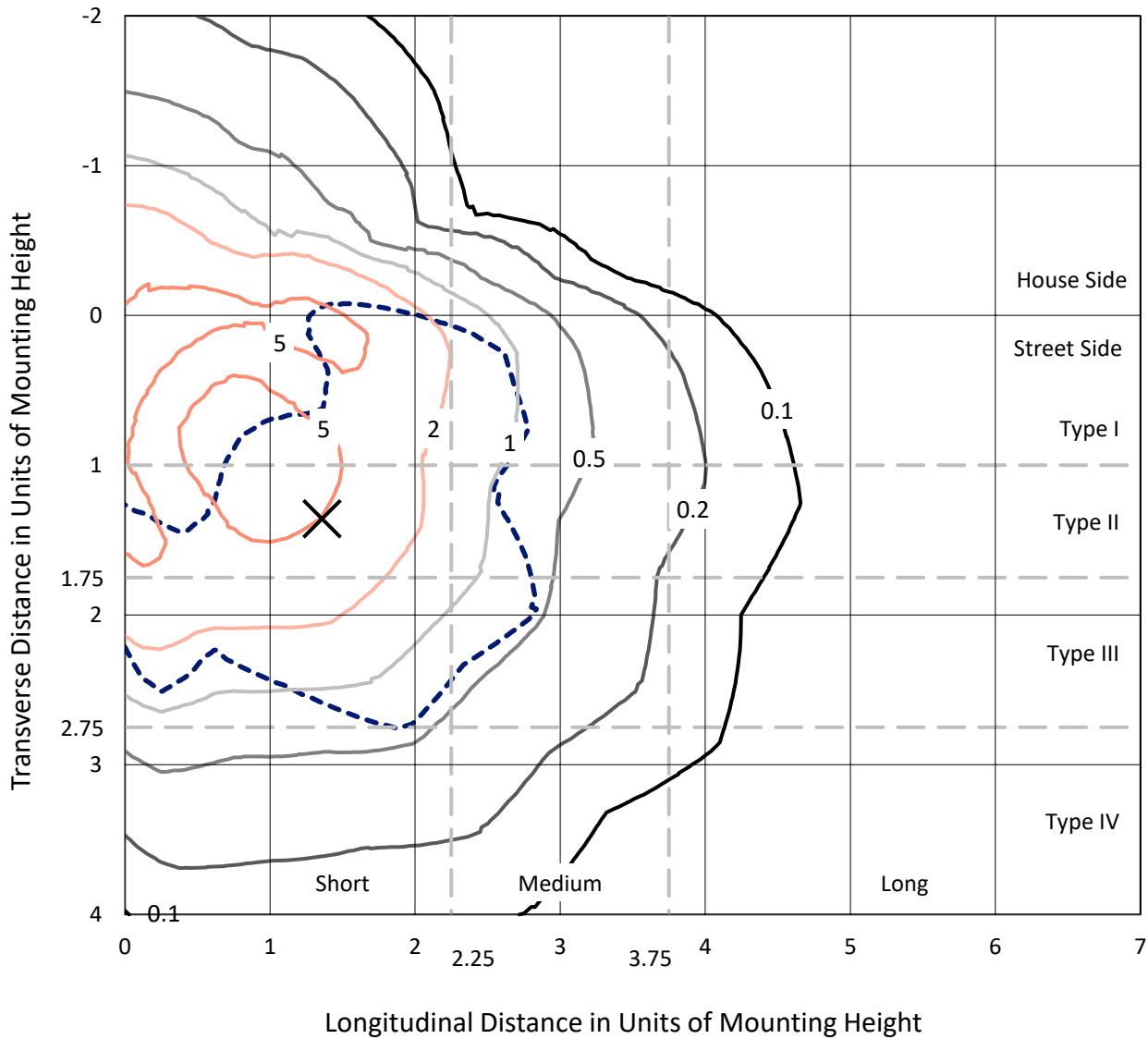
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630126
 CATALOG NUMBER: GWS-SA1D-722-U-SLR-W

Iso-Footcandle Lines of Horizontal Illumination

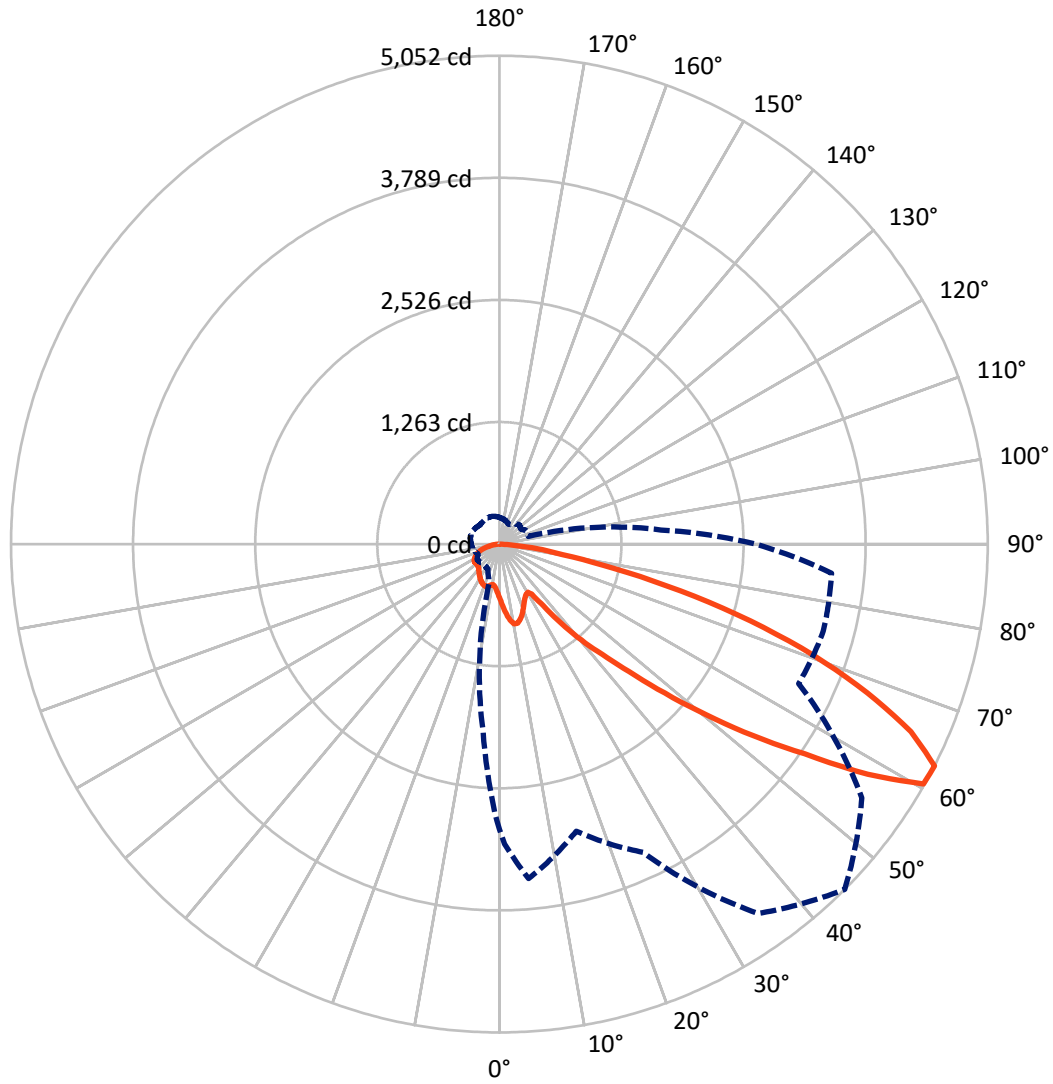
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8 fc
 Type III - Short - N/A

REPORT NUMBER: P630126
CATALOG NUMBER: GWS-SA1D-722-U-SLR-W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P630126

CATALOG NUMBER: GWS-SA1D-722-U-SLR-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1009.1	0.0	1009.1
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	3220.0	0.0	3220.0
	% Fixture	76.1	0.0	76.1
Total	Lumens	4229.1	0.0	4229.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.8	1.3
10°-20°	171.8	4.1
20°-30°	266.9	6.3
30°-40°	362.4	8.6
40°-50°	574.4	13.6
50°-60°	1013.2	24.0
60°-70°	1127.3	26.7
70°-80°	571.7	13.5
80°-90°	86.6	2.0
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°	4229.1	100.0
0°-180°	4229.1	100.0

Coefficient of Utilization



REPORT NUMBER: P630126

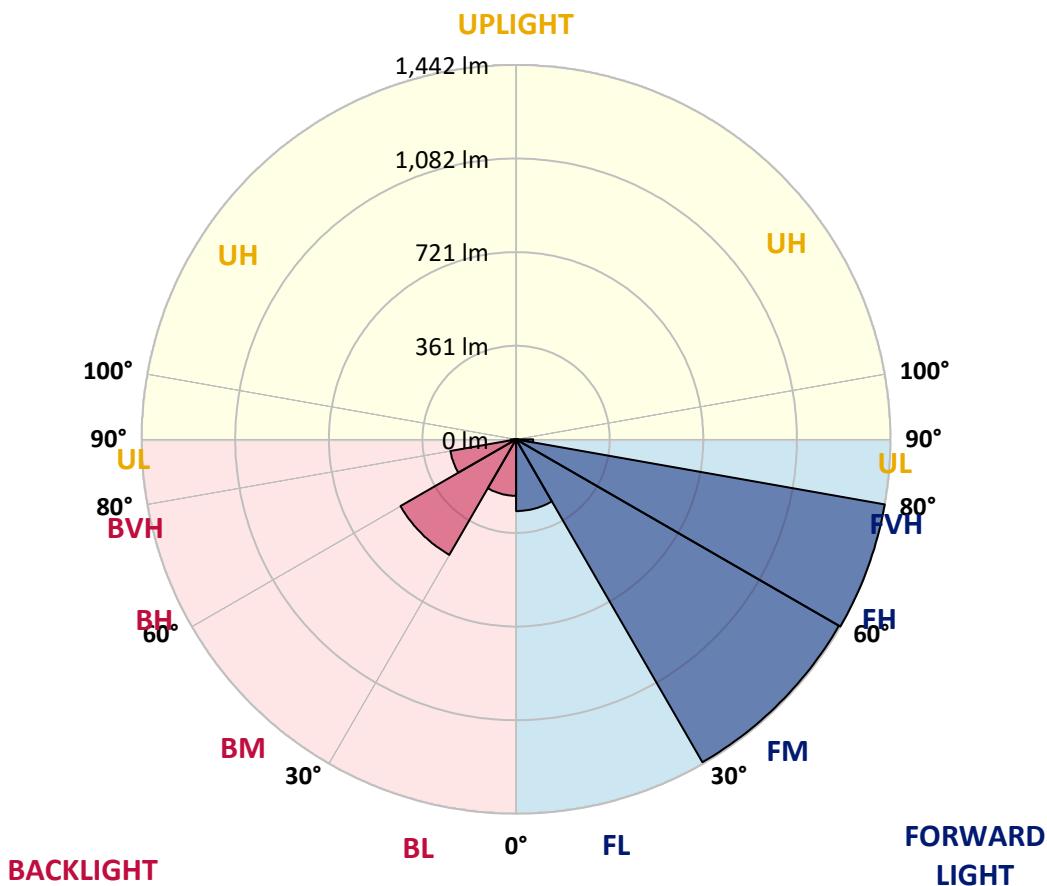
CATALOG NUMBER: GWS-SA1D-722-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	276.1	6.5			
FM (30°-60°)	1436.0	34.0			
FH (60°-80°)	1442.2	34.1			G1/1800
FVH (80°-90°)	65.7	1.6			G1/100
BL (0°-30°)	217.4	5.1	B1/500		
BM (30°-60°)	514.0	12.2	B1/1000		
BH (60°-80°)	256.9	6.1	B1/500		G1/500
BVH (80°-90°)	20.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





REPORT NUMBER: P630126
 CATALOG NUMBER: GWS-SA1D-722-U-SLR-W

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	561.3	561.3	561.3	561.3	561.3	561.3	561.3	561.3	561.3	561.3	561.3
2.5°	603.2	602.9	609.0	618.3	626.9	630.8	637.2	636.5	631.4	624.7	622.4
5°	650.6	651.9	662.5	683.0	705.7	715.3	719.5	717.9	708.6	696.7	675.9
7.5°	693.5	695.8	712.1	742.8	771.0	783.8	794.1	792.1	778.7	756.6	725.9
10°	724.9	727.5	747.0	783.2	814.6	825.8	838.9	839.5	827.7	797.9	766.5
12.5°	756.3	758.8	777.1	810.1	830.6	830.9	838.6	842.7	843.4	829.6	798.2
15°	788.9	791.2	807.8	826.4	825.4	807.5	807.5	815.5	833.1	843.1	821.3
17.5°	816.8	819.7	832.5	826.4	797.9	765.6	761.7	772.0	802.7	840.8	838.6
20°	839.9	842.1	849.1	808.8	756.9	714.7	707.3	719.1	760.8	827.0	851.7
22.5°	861.9	863.2	859.4	785.7	712.7	664.4	655.4	667.9	712.7	802.7	862.9
25°	888.2	886.9	868.7	761.7	672.4	624.7	615.4	629.5	676.2	770.4	875.1
27.5°	918.6	913.8	876.7	735.8	641.3	595.2	588.8	603.9	647.4	740.6	884.7
30°	944.6	935.3	878.0	712.7	625.3	582.7	578.9	593.0	633.3	720.4	896.8
32.5°	973.4	960.6	885.3	706.7	634.3	612.8	618.0	618.9	637.2	714.7	915.1
35°	1014.7	998.0	905.5	724.3	726.5	762.7	781.3	756.3	695.1	727.5	949.7
37.5°	1077.1	1056.0	946.5	800.5	917.0	998.0	1042.8	985.9	871.2	775.8	1001.9
40°	1153.0	1126.1	999.0	941.3	1095.0	1224.7	1304.4	1220.9	1052.5	896.5	1075.2
42.5°	1259.0	1230.8	1100.8	1079.7	1259.9	1453.0	1557.1	1432.5	1212.2	1052.5	1192.7
45°	1443.7	1416.5	1287.5	1218.3	1453.0	1734.1	1880.1	1706.9	1374.6	1209.0	1412.3
47.5°	1785.0	1753.0	1564.8	1372.0	1673.3	2099.1	2303.4	2051.1	1543.3	1388.3	1781.2
50°	2194.9	2164.1	1912.8	1553.9	1916.6	2489.5	2773.5	2455.5	1737.7	1606.4	2222.1
52.5°	2688.0	2682.2	2409.4	1783.8	2169.9	2905.7	3295.0	2903.5	1950.6	1900.0	2721.6
55°	3132.4	3188.7	3040.2	2134.4	2497.1	3428.6	3831.4	3392.1	2239.4	2385.4	3306.6
57.5°	3371.9	3523.3	3751.6	2849.7	2972.9	4053.6	4493.2	3988.6	2735.7	3193.5	3849.0
60°	3213.7	3385.3	3799.0	3388.2	3444.9	4554.3	5039.4	4490.0	3223.0	3754.5	3818.2
62.5°	2950.5	3104.5	3472.4	3073.8	3517.9	4664.5	5052.2	4577.4	3416.7	3469.9	3449.1
65°	2638.3	2793.6	3183.3	2683.2	3285.8	4402.9	4679.5	4320.3	3068.7	3135.0	3142.6
67.5°	2223.7	2367.1	2763.9	2385.7	2995.0	4019.0	4107.4	3954.0	2826.0	2931.6	2821.2
70°	1661.5	1790.8	2141.1	1938.7	2524.7	3518.9	3447.5	3470.2	2553.5	2658.5	2356.6
72.5°	1135.4	1232.7	1533.1	1523.5	1933.3	2817.0	2717.4	2932.9	2132.8	2272.0	1796.6
75°	794.1	869.9	1108.2	1203.6	1461.3	2087.9	1935.2	2195.2	1665.6	1864.4	1310.8
77.5°	487.3	537.6	699.9	891.7	940.1	1429.0	1202.0	1651.8	1169.6	1359.8	874.4
80°	243.7	268.0	340.0	560.6	623.4	842.1	663.7	959.0	791.5	842.1	483.8
82.5°	73.6	81.3	99.6	212.9	323.1	484.8	392.2	557.1	432.3	394.8	190.5
85°	19.5	22.1	27.5	63.1	113.3	173.9	132.6	269.9	207.2	145.7	71.7
87.5°	1.6	1.6	1.3	1.3	0.6	0.0	0.0	19.2	38.7	22.1	12.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P630126
 CATALOG NUMBER: GWS-SA1D-722-U-SLR-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	561.3	561.3	561.3	561.3	561.3	561.3	561.3	561.3	561.3	561.3	561.3
2.5°	611.2	610.0	596.8	587.2	576.0	565.1	553.9	544.0	532.8	521.6	518.4
5°	660.5	651.6	623.7	600.4	577.3	557.1	539.5	521.3	506.5	492.1	486.7
7.5°	704.1	688.4	648.1	612.5	580.5	555.5	529.6	503.0	482.2	461.7	456.6
10°	743.5	722.7	671.8	626.9	591.4	562.9	532.5	496.9	466.8	441.9	435.1
12.5°	772.6	749.9	692.2	640.7	600.4	568.3	538.2	506.9	475.2	442.8	435.5
15°	795.7	772.0	709.2	651.3	600.7	559.4	530.2	519.3	509.4	477.7	464.3
17.5°	814.2	789.3	723.9	657.7	592.0	532.2	506.9	522.9	548.2	528.3	503.0
20°	831.2	805.9	735.1	662.1	572.8	494.7	480.6	514.5	552.6	552.0	529.3
22.5°	849.8	825.1	751.5	664.7	545.9	456.6	464.9	502.4	533.4	542.7	528.6
25°	873.5	851.7	774.2	670.5	515.5	430.3	453.4	486.7	512.6	514.9	506.5
27.5°	901.0	884.7	808.2	683.9	486.0	416.9	439.9	464.6	488.3	489.2	479.3
30°	931.1	920.2	839.5	695.1	464.0	412.7	422.6	442.5	457.5	460.1	451.5
32.5°	969.5	959.9	867.4	687.8	450.8	411.8	406.6	416.9	429.4	429.4	422.6
35°	1022.4	1008.9	896.8	659.6	434.8	407.9	389.7	392.5	398.0	399.0	395.1
37.5°	1097.3	1075.2	926.6	603.9	408.6	394.2	370.1	366.6	368.5	371.1	370.1
40°	1190.1	1154.0	970.2	537.0	377.2	367.6	350.0	343.2	341.6	346.8	348.7
42.5°	1307.0	1251.6	1016.9	474.5	348.7	337.2	326.3	320.5	317.9	326.6	331.7
45°	1493.7	1402.4	1061.7	412.7	332.7	311.2	303.9	299.7	301.0	311.2	317.6
47.5°	1816.1	1632.6	1104.3	373.7	331.4	292.7	283.7	284.6	288.2	299.1	306.7
50°	2224.0	1941.0	1132.8	357.3	335.2	281.4	269.6	274.7	280.2	290.7	299.7
52.5°	2639.3	2228.2	1098.9	348.4	334.9	281.8	256.5	271.8	274.4	285.0	294.6
55°	2924.9	2260.2	949.4	334.6	329.8	294.6	246.2	270.6	272.2	281.8	290.4
57.5°	3033.8	2150.7	723.9	338.4	314.4	304.5	241.7	261.6	273.1	281.4	290.4
60°	2902.2	1944.2	439.9	348.4	289.8	303.9	244.6	245.3	265.1	279.2	288.2
62.5°	2654.0	1679.1	309.0	320.2	271.8	286.9	251.3	226.1	251.0	268.0	276.0
65°	2369.7	1367.2	235.7	275.7	263.2	260.6	253.6	209.1	231.8	248.5	255.5
67.5°	2073.5	1062.7	191.5	205.6	237.9	235.7	231.8	194.0	209.1	220.9	228.9
70°	1700.5	743.5	161.7	154.3	204.0	211.3	202.7	175.1	179.9	192.1	198.5
72.5°	1243.9	463.3	132.9	127.4	163.9	184.7	180.3	154.3	156.6	168.1	173.2
75°	894.6	265.1	106.6	105.0	125.2	158.2	149.2	132.9	135.4	144.1	147.6
77.5°	568.7	147.6	82.3	84.5	89.7	118.1	127.4	113.7	113.7	118.8	121.7
80°	304.5	84.5	60.2	61.2	62.8	90.3	100.5	88.1	88.1	84.5	88.1
82.5°	124.2	48.7	41.3	38.4	41.9	61.8	70.4	56.0	58.6	52.8	54.1
85°	41.0	24.3	20.5	20.2	19.9	27.2	33.9	27.9	33.3	21.1	22.1
87.5°	5.4	4.5	2.6	1.9	2.2	1.0	1.9	2.2	2.2	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P630126
 CATALOG NUMBER: GWS-SA1D-722-U-SLR-W

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	561.3	561.3	561.3	561.3	561.3	561.3	561.3	561.3	561.3	561.3	561.3
2.5°	516.1	513.6	504.3	506.5	504.9	502.4	504.9	500.1	504.0	505.3	513.3
5°	482.5	476.4	467.5	463.0	462.0	459.5	459.8	457.5	458.2	463.6	472.6
7.5°	452.4	446.7	439.6	436.4	433.5	430.7	430.3	430.0	432.6	437.4	446.0
10°	430.7	427.4	424.6	425.8	424.6	423.3	421.0	421.0	425.2	433.9	444.4
12.5°	430.7	430.0	430.7	434.5	434.2	434.5	431.6	433.2	444.7	459.5	474.5
15°	453.7	448.6	448.6	450.5	449.9	449.9	449.9	456.6	482.8	505.6	521.6
17.5°	481.9	466.8	460.4	459.5	459.1	459.1	460.4	474.8	515.8	539.8	549.1
20°	501.4	472.9	462.4	458.2	458.5	459.1	463.0	482.8	528.0	540.2	537.9
22.5°	504.9	468.1	455.3	449.2	450.2	450.8	456.6	477.7	511.3	513.3	508.8
25°	488.6	454.7	440.9	436.1	437.4	437.1	442.2	457.5	481.6	480.9	478.4
27.5°	464.3	433.2	423.0	419.8	422.0	419.4	421.0	432.9	451.5	450.8	449.9
30°	439.3	412.4	403.1	401.5	404.4	400.6	400.9	410.8	423.6	423.0	422.6
32.5°	414.3	391.6	383.3	383.3	386.1	382.0	382.6	391.3	399.9	397.4	397.4
35°	390.6	374.6	367.9	366.6	368.9	366.0	367.3	375.3	378.5	374.9	372.7
37.5°	369.8	362.8	356.0	351.6	351.9	352.2	356.0	362.1	360.2	355.1	352.2
40°	350.6	350.6	344.2	335.9	334.9	337.2	343.6	350.3	344.8	339.1	335.6
42.5°	336.8	339.7	333.6	325.3	323.4	327.2	334.3	339.1	332.7	326.3	321.5
45°	324.0	331.1	326.9	317.6	315.1	319.5	328.5	330.4	321.8	315.7	312.2
47.5°	315.1	324.7	321.8	312.8	309.0	315.4	324.7	324.3	313.5	307.1	304.2
50°	308.7	320.8	320.5	312.8	308.7	316.7	325.0	320.8	309.0	302.3	299.4
52.5°	303.5	320.5	322.7	318.3	315.4	322.4	327.6	319.5	305.8	298.7	296.5
55°	301.3	321.8	323.4	319.2	316.7	323.1	327.6	322.1	305.8	299.4	297.5
57.5°	301.9	320.2	320.5	314.7	310.3	318.3	325.3	323.7	309.3	301.9	299.7
60°	298.1	311.5	312.2	303.2	298.1	307.7	320.2	319.2	307.7	300.0	295.9
62.5°	285.3	297.1	297.5	289.1	281.8	295.5	309.3	309.0	298.4	290.7	285.9
65°	263.8	276.3	279.5	271.5	265.8	280.5	294.9	294.3	283.7	276.6	271.8
67.5°	237.3	250.7	256.8	251.3	249.1	262.6	276.0	275.7	267.0	260.3	256.1
70°	204.9	216.1	226.4	226.4	224.8	240.1	254.5	253.3	245.3	240.1	236.9
72.5°	178.0	186.7	189.9	193.1	197.9	213.9	226.1	227.0	221.2	218.7	221.2
75°	151.4	156.9	159.8	157.2	165.5	182.2	198.2	199.8	193.7	189.6	190.5
77.5°	124.6	130.6	133.5	127.8	127.1	148.2	167.8	171.3	166.2	159.8	161.7
80°	90.0	98.0	102.8	98.9	97.7	106.9	133.8	137.7	132.9	127.8	130.6
82.5°	55.1	59.6	60.8	64.7	72.7	76.5	86.1	98.9	95.4	90.9	98.9
85°	21.8	25.9	28.8	32.7	38.1	45.1	53.2	63.4	57.6	55.7	65.6
87.5°	1.3	0.3	0.0	0.6	5.4	10.6	22.7	31.4	26.3	28.2	33.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P630126
 CATALOG NUMBER: GWS-SA1D-722-U-SLR-W

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	561.3	561.3	561.3	561.3	561.3	561.3	561.3	561.3	561.3	561.3
2.5°	519.7	528.0	539.2	548.5	560.3	571.5	583.1	594.6	600.7	603.2
5°	482.8	498.2	516.1	536.0	559.0	583.4	608.0	633.3	649.3	650.6
7.5°	460.7	482.8	507.5	532.5	561.0	594.6	633.7	672.7	689.0	693.5
10°	467.8	492.4	512.0	535.4	566.7	608.7	654.8	700.6	719.5	724.9
12.5°	496.0	500.8	506.9	528.3	566.7	620.8	676.6	731.0	751.2	756.3
15°	519.3	496.3	485.4	508.1	559.0	631.4	699.6	759.8	784.1	788.9
17.5°	521.3	481.6	457.9	478.4	545.6	638.8	721.7	791.8	812.3	816.8
20°	501.7	465.9	435.1	447.6	527.3	642.0	737.7	815.2	835.4	839.9
22.5°	479.6	453.1	419.8	419.1	505.3	645.5	756.9	837.3	859.1	861.9
25°	458.8	435.5	407.3	398.3	479.6	652.2	782.9	870.6	887.2	888.2
27.5°	434.5	416.6	397.4	388.7	457.2	665.0	821.3	910.3	920.2	918.6
30°	412.4	399.0	390.3	387.7	443.1	674.6	857.8	949.4	950.0	944.6
32.5°	389.0	383.9	383.9	392.2	431.6	672.4	887.6	987.5	981.4	973.4
35°	368.2	369.2	375.9	395.4	412.4	650.0	916.1	1035.2	1026.2	1014.7
37.5°	348.4	355.7	365.3	384.2	387.1	616.7	949.4	1102.7	1091.5	1077.1
40°	331.4	342.6	353.8	363.1	360.2	569.3	995.8	1182.1	1169.6	1153.0
42.5°	317.9	328.8	341.3	342.3	343.2	520.0	1045.1	1279.5	1277.2	1259.0
45°	309.3	316.3	328.2	326.6	342.3	465.6	1090.6	1428.0	1457.5	1443.7
47.5°	303.5	309.0	310.3	317.0	350.6	416.9	1149.2	1718.8	1800.7	1785.0
50°	300.3	305.8	291.4	317.6	351.9	385.5	1230.2	2083.8	2215.7	2194.9
52.5°	300.0	298.7	277.0	324.3	344.8	366.3	1272.4	2350.2	2642.8	2688.0
55°	300.7	284.6	269.6	326.3	330.8	359.2	1130.9	2478.2	3037.0	3132.4
57.5°	294.9	269.3	273.8	318.6	304.2	378.1	836.0	2432.5	3194.5	3371.9
60°	284.0	254.5	281.4	297.8	277.0	345.8	575.7	2228.2	3031.2	3213.7
62.5°	268.3	244.3	280.5	270.9	267.0	283.0	395.8	1942.3	2772.2	2950.5
65°	250.7	236.0	265.4	244.9	247.2	217.7	279.8	1619.5	2462.9	2638.3
67.5°	231.8	230.9	243.3	218.0	208.8	172.6	204.0	1298.0	2065.5	2223.7
70°	210.4	217.4	221.2	193.7	169.4	135.4	151.4	907.7	1523.8	1661.5
72.5°	188.9	189.6	195.0	168.4	126.8	108.5	113.7	549.8	1035.2	1135.4
75°	167.1	161.1	166.2	137.0	94.5	89.0	87.7	339.7	715.0	794.1
77.5°	143.8	137.0	130.3	103.1	75.9	68.8	67.2	190.5	438.7	487.3
80°	116.9	107.9	97.3	75.6	55.4	49.3	49.0	92.9	218.7	243.7
82.5°	90.9	74.0	71.1	47.1	34.3	30.1	32.0	35.5	66.0	73.6
85°	63.7	53.8	37.8	18.9	15.4	12.5	12.2	10.6	17.6	19.5
87.5°	35.5	23.4	12.2	2.2	2.6	2.9	2.2	1.6	1.6	1.6
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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