

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: P632598

Luminaire Tested: GWS-SA2D-722-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632598
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-SA2D-722-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4588.4 lumens
Efficiency: N/A
Efficacy: 55.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

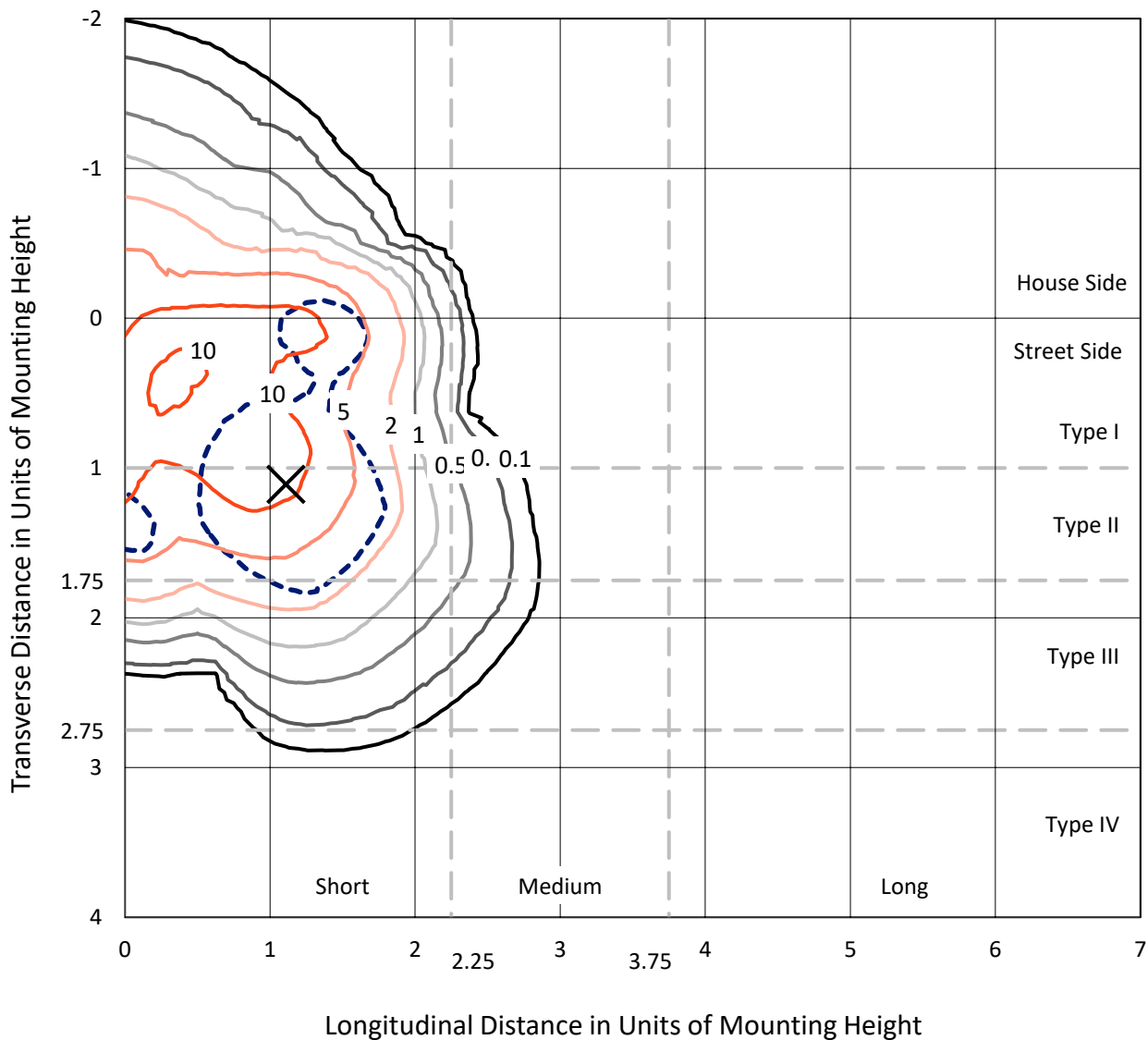
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632598
 CATALOG NUMBER: GWS-SA2D-722-U-SLR-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

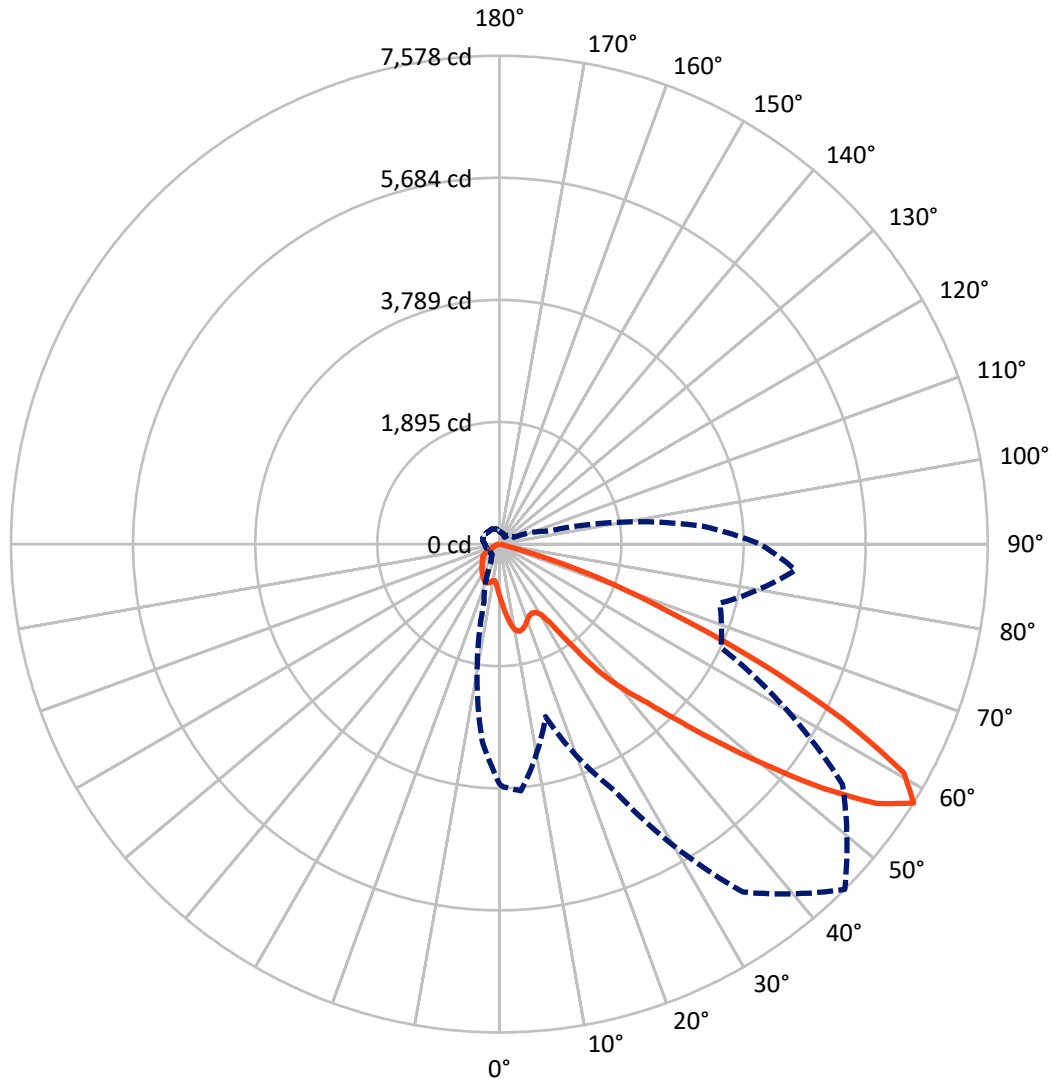
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.4 fc
 Type III - Short - N/A

REPORT NUMBER: P632598
CATALOG NUMBER: GWS-SA2D-722-U-SLR-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P632598
 CATALOG NUMBER: GWS-SA2D-722-U-SLR-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1027.5	0.0	1027.5
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	3560.9	0.0	3560.9
	% Fixture	77.6	0.0	77.6
Total	Lumens	4588.4	0.0	4588.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.3	1.7
10°-20°	256.6	5.6
20°-30°	416.9	9.1
30°-40°	644.2	14.0
40°-50°	1033.0	22.5
50°-60°	1411.8	30.8
60°-70°	683.8	14.9
70°-80°	62.6	1.4
80°-90°	0.2	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°	4588.4	100.0
0°-180°	4588.4	100.0

Coefficient of Utilization



REPORT NUMBER: P632598

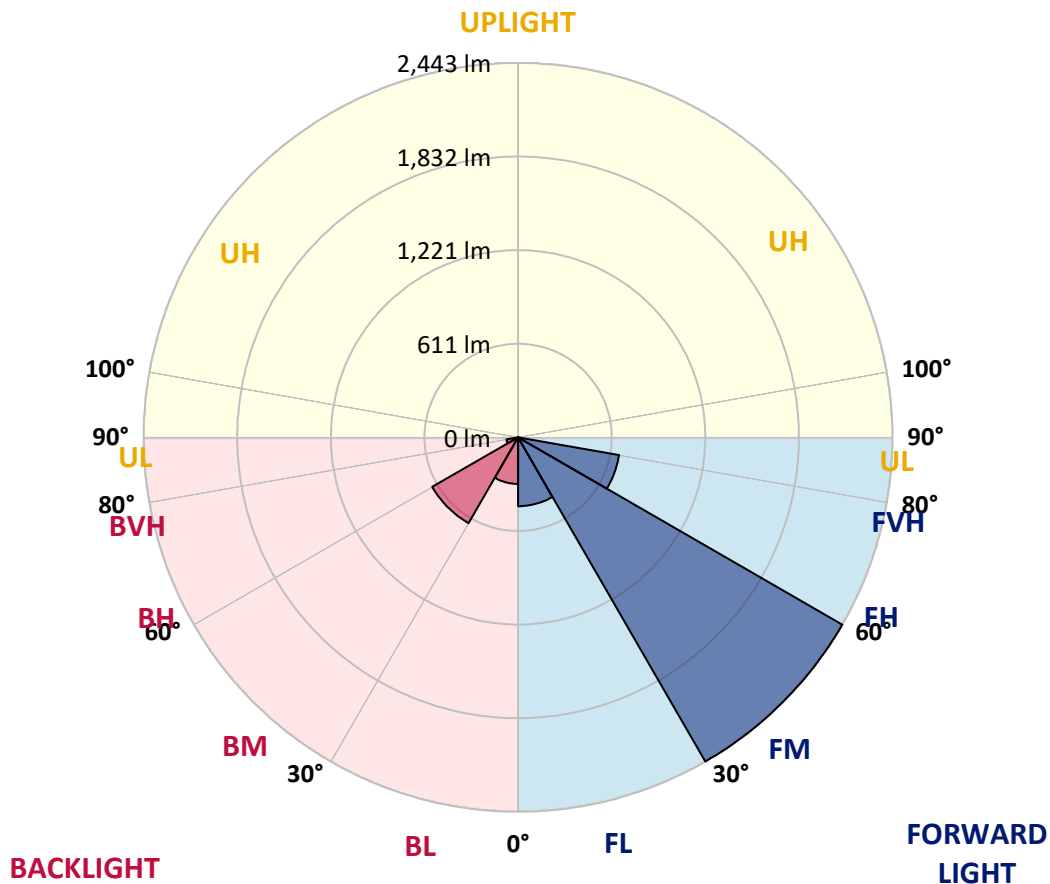
CATALOG NUMBER: GWS-SA2D-722-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	448.9	9.8			
FM (30°-60°)	2442.5	53.2			
FH (60°-80°)	669.4	14.6			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	304.0	6.6	B1/500		
BM (30°-60°)	646.4	14.1	B1/1000		
BH (60°-80°)	77.0	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-G1

Type III Short





REPORT NUMBER: P632598

CATALOG NUMBER: GWS-SA2D-722-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	806.5	806.5	806.5	806.5	806.5	806.5	806.5	806.5	806.5	806.5	806.5
2.5°	873.7	879.2	888.5	908.2	924.8	935.9	940.9	939.6	932.9	927.9	918.1
5°	967.4	967.4	985.3	1030.3	1064.8	1086.4	1097.5	1090.7	1077.1	1055.6	1022.3
7.5°	1049.4	1052.5	1082.7	1146.8	1199.2	1230.0	1247.9	1244.2	1220.2	1178.9	1112.3
10°	1113.5	1117.2	1157.3	1235.6	1297.2	1328.7	1355.2	1357.7	1331.2	1276.3	1199.8
12.5°	1175.8	1179.5	1221.4	1296.6	1350.9	1363.8	1387.3	1396.5	1389.7	1350.9	1271.3
15°	1243.0	1251.6	1287.4	1343.5	1366.3	1350.9	1366.3	1382.9	1405.8	1402.1	1330.5
17.5°	1309.0	1315.1	1351.5	1371.2	1346.0	1305.9	1313.3	1333.0	1384.8	1435.4	1389.1
20°	1370.0	1378.6	1408.8	1382.9	1306.5	1244.2	1244.8	1270.7	1349.6	1455.7	1448.9
22.5°	1434.1	1447.1	1468.6	1395.9	1270.1	1195.5	1198.6	1222.0	1321.9	1474.8	1516.7
25°	1518.0	1530.3	1544.5	1428.0	1258.4	1171.5	1183.2	1204.8	1321.9	1507.5	1600.6
27.5°	1631.4	1640.0	1640.7	1487.8	1278.7	1175.2	1199.8	1224.5	1361.4	1572.8	1712.8
30°	1773.8	1787.4	1769.5	1580.9	1342.3	1224.5	1260.9	1291.7	1446.4	1683.2	1878.0
32.5°	1947.1	1966.2	1942.2	1719.0	1474.8	1394.7	1460.6	1478.5	1582.1	1842.9	2065.5
35°	2150.6	2166.6	2140.7	1910.1	1784.3	1799.1	1918.7	1895.9	1854.6	2039.6	2284.4
37.5°	2373.8	2388.6	2338.6	2199.9	2241.8	2305.9	2497.1	2418.8	2285.6	2293.0	2521.7
40°	2578.5	2594.5	2516.2	2514.9	2601.3	2718.4	2949.0	2841.1	2659.8	2624.7	2744.3
42.5°	2790.6	2801.6	2730.7	2682.7	2878.7	3119.8	3364.0	3218.4	2907.7	2869.5	3023.0
45°	3093.3	3116.7	2990.3	2765.3	3128.4	3581.6	3921.9	3637.7	3076.6	3045.8	3449.7
47.5°	3538.4	3555.7	3298.0	2817.1	3360.9	4156.8	4619.3	4181.5	3225.2	3154.9	4032.9
50°	3906.5	3918.2	3581.0	2873.8	3608.1	4777.1	5414.0	4826.4	3392.3	3335.6	4577.3
52.5°	4177.8	4222.2	3952.8	2990.3	3933.0	5506.5	6293.8	5590.4	3653.1	3684.6	5028.7
55°	4233.9	4294.3	4206.8	3061.8	4219.1	6249.5	7106.5	6274.1	3913.3	3949.1	5180.3
57.5°	3720.9	3769.0	3841.8	2773.3	4212.3	6589.8	7578.1	6501.0	3794.9	3541.5	4612.5
60°	2787.5	2820.8	2952.7	2119.7	3873.8	6288.9	7210.7	6115.0	3318.3	2702.4	3514.4
62.5°	1653.0	1667.8	1834.9	1373.1	3215.4	5415.9	5980.0	5276.5	2622.2	1817.6	2152.4
65°	634.4	628.3	755.9	677.6	2364.5	4314.1	4447.9	4022.4	1799.1	833.0	820.6
67.5°	98.0	93.7	126.4	200.4	1705.4	2989.7	2934.8	2899.1	1127.1	194.2	169.6
70°	22.2	22.2	27.1	59.2	1042.0	1756.6	1879.9	1792.3	721.4	41.3	22.2
72.5°	10.5	10.5	12.9	25.3	377.3	723.8	843.5	830.5	234.3	13.6	8.0
75°	3.7	4.3	4.3	5.5	22.8	37.6	86.3	61.7	14.8	0.0	0.0
77.5°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.6	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



REPORT NUMBER: P632598

CATALOG NUMBER: GWS-SA2D-722-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	806.5	806.5	806.5	806.5	806.5	806.5	806.5	806.5	806.5	806.5	806.5
2.5°	896.5	892.2	876.1	854.6	833.6	815.1	796.0	773.2	756.5	737.4	731.2
5°	996.4	969.2	925.5	879.8	837.9	802.1	767.6	730.6	703.5	676.4	667.1
7.5°	1080.8	1040.8	969.8	901.4	844.1	793.5	743.6	693.0	653.6	621.5	611.6
10°	1156.7	1110.4	1015.5	931.0	858.9	800.3	739.9	676.4	625.2	587.0	577.7
12.5°	1222.0	1168.4	1054.3	953.2	865.0	797.8	739.3	688.7	642.5	598.7	587.0
15°	1276.9	1217.7	1087.0	968.0	855.8	767.0	715.8	707.8	704.1	656.0	633.2
17.5°	1330.5	1263.9	1113.5	974.8	829.9	712.7	675.7	712.1	751.0	719.5	690.5
20°	1386.6	1310.8	1140.6	976.0	786.7	651.7	645.5	702.9	752.2	742.3	715.2
22.5°	1452.6	1369.4	1174.5	975.4	732.5	599.9	623.3	685.0	725.1	724.5	702.9
25°	1548.2	1443.4	1220.2	979.1	673.3	559.8	598.7	654.8	687.5	686.2	668.4
27.5°	1650.5	1531.5	1279.4	988.3	622.7	536.4	569.7	613.5	641.8	640.6	625.2
30°	1794.2	1633.3	1336.1	989.0	586.3	524.1	537.6	567.9	595.0	591.9	580.2
32.5°	1968.7	1747.9	1383.6	953.8	563.5	512.4	504.3	519.8	540.7	536.4	533.3
35°	2179.5	1884.2	1424.3	876.7	528.4	488.9	467.4	470.4	485.2	487.7	486.5
37.5°	2420.0	2046.4	1474.8	775.0	480.9	455.0	426.0	423.6	432.2	440.2	446.4
40°	2657.4	2228.9	1543.2	672.1	437.8	411.9	384.1	378.0	381.7	395.8	408.8
42.5°	2924.3	2440.3	1617.2	583.9	408.2	364.4	337.9	326.2	336.6	359.5	374.9
45°	3309.1	2736.9	1689.4	513.6	395.8	322.5	286.7	285.5	297.2	326.8	344.0
47.5°	3849.2	3120.4	1736.8	458.7	395.2	289.8	247.2	254.6	268.2	297.2	316.9
50°	4375.7	3600.7	1684.4	416.8	382.3	268.2	217.6	232.4	246.0	271.3	291.6
52.5°	4693.3	3859.0	1480.4	377.3	342.2	258.3	188.7	214.6	217.0	239.8	261.4
55°	4660.0	3692.0	1133.9	316.3	283.0	244.2	158.5	193.6	194.8	212.1	230.6
57.5°	4044.6	3169.7	778.7	256.5	212.7	201.6	130.7	163.4	175.1	185.6	199.1
60°	3014.4	2312.7	347.1	208.4	135.0	136.3	111.6	123.3	141.2	153.5	165.2
62.5°	1776.3	1330.5	141.2	125.2	74.6	85.7	90.0	90.0	101.1	110.4	117.8
65°	671.4	465.5	57.3	62.9	38.8	40.1	53.0	65.4	74.0	82.0	91.9
67.5°	117.8	81.4	29.6	23.4	22.8	20.3	27.1	42.5	47.5	53.6	58.0
70°	19.7	16.6	12.3	11.7	10.5	11.1	17.9	30.2	33.3	35.1	37.0
72.5°	5.5	4.9	3.7	3.1	2.5	3.1	11.1	23.4	24.7	25.9	27.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	4.3	16.6	17.9	18.5	20.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	4.9	6.2	4.9
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



REPORT NUMBER: P632598

CATALOG NUMBER: GWS-SA2D-722-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	806.5	806.5	806.5	806.5	806.5	806.5	806.5	806.5	806.5	806.5	806.5
2.5°	727.5	715.2	708.4	704.7	704.7	699.8	694.2	692.4	700.4	700.4	714.0
5°	655.4	645.5	634.4	627.7	617.2	619.0	612.9	612.2	620.3	624.0	638.1
7.5°	605.5	593.1	586.3	582.0	576.5	574.0	568.5	566.6	570.9	577.1	590.7
10°	572.2	570.3	569.7	572.8	572.8	569.7	564.8	561.7	562.9	574.6	590.0
12.5°	580.8	584.5	585.7	590.7	593.1	590.7	587.0	588.2	596.2	617.8	640.6
15°	618.4	615.3	614.1	616.6	618.4	615.9	614.7	624.0	651.7	682.5	708.4
17.5°	658.5	638.8	630.1	630.1	631.4	630.1	631.4	649.2	694.2	725.1	744.2
20°	678.8	642.5	628.9	625.8	628.3	628.9	633.2	653.6	702.9	724.5	728.8
22.5°	672.7	627.0	611.6	609.2	611.6	614.1	618.4	635.7	681.9	693.0	691.2
25°	641.8	596.8	584.5	584.5	590.0	589.4	591.3	603.6	641.8	648.6	645.5
27.5°	603.0	560.5	550.0	556.1	561.1	559.8	560.5	570.9	599.3	601.1	598.1
30°	563.5	526.5	516.7	524.1	530.9	529.6	530.2	540.7	558.6	556.8	552.4
32.5°	523.5	496.3	488.9	493.2	503.7	502.5	505.0	516.1	522.8	514.8	509.9
35°	486.5	472.3	466.7	469.2	477.2	479.1	483.4	490.8	490.8	480.9	472.3
37.5°	451.9	450.1	446.4	443.3	450.7	456.3	462.4	471.1	458.7	444.5	436.5
40°	419.9	427.9	423.0	414.9	419.3	427.3	439.6	446.4	431.6	417.4	403.8
42.5°	390.3	403.8	402.0	392.1	395.8	403.2	417.4	423.0	405.7	389.7	376.7
45°	361.9	381.0	382.3	369.9	373.6	381.0	397.7	399.5	377.3	360.1	350.8
47.5°	337.3	358.2	358.8	349.6	350.8	361.3	376.7	377.3	352.1	336.0	324.3
50°	313.8	337.9	339.7	331.7	332.9	345.3	358.2	355.8	328.6	312.0	301.5
52.5°	285.5	318.1	322.5	318.8	323.7	333.6	341.6	332.9	301.5	284.9	275.6
55°	254.6	297.2	306.4	304.0	309.5	317.5	319.4	313.8	274.4	257.7	249.1
57.5°	218.9	244.8	260.8	255.9	260.2	268.2	273.8	269.4	239.8	226.9	219.5
60°	181.3	198.5	202.2	194.2	190.5	204.7	217.6	212.1	186.8	178.8	170.2
62.5°	132.6	152.3	154.8	144.3	140.0	155.4	166.5	160.9	133.2	124.5	117.8
65°	106.0	124.5	129.5	119.6	117.1	128.9	135.6	122.1	102.3	93.1	85.7
67.5°	69.7	84.5	97.4	96.8	91.9	95.6	90.6	79.5	65.4	60.4	55.5
70°	43.2	51.8	59.8	62.9	62.3	61.0	54.3	46.2	41.9	40.1	37.6
72.5°	33.3	41.9	48.1	49.9	50.6	48.7	43.2	35.8	31.4	29.0	27.1
75°	24.7	31.4	36.4	38.8	40.1	38.8	33.3	28.4	24.0	22.2	20.3
77.5°	8.6	10.5	12.9	14.2	13.6	12.9	11.7	11.7	9.2	8.6	7.4
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



REPORT NUMBER: P632598

CATALOG NUMBER: GWS-SA2D-722-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	806.5	806.5	806.5	806.5	806.5	806.5	806.5	806.5	806.5	806.5
2.5°	729.4	740.5	760.8	779.3	799.1	819.4	841.6	864.4	874.9	873.7
5°	659.7	683.8	717.1	753.4	794.1	837.9	886.6	936.6	958.1	967.4
7.5°	615.9	649.9	693.6	739.9	793.5	855.8	929.2	1007.5	1038.9	1049.4
10°	621.5	661.0	697.3	742.3	799.7	880.4	971.7	1064.8	1101.8	1113.5
12.5°	666.5	675.1	685.0	722.0	794.1	898.9	1010.5	1121.5	1164.1	1175.8
15°	707.2	667.1	648.6	682.5	774.4	911.9	1050.0	1182.6	1229.4	1243.0
17.5°	709.0	648.6	607.3	633.8	742.3	917.4	1088.8	1244.8	1296.0	1309.0
20°	686.2	628.3	575.3	575.9	698.6	916.2	1120.9	1300.9	1358.3	1370.0
22.5°	652.9	604.2	549.4	530.2	651.7	913.7	1156.1	1360.7	1423.0	1434.1
25°	615.9	573.4	524.7	495.7	604.8	916.2	1205.4	1439.1	1507.5	1518.0
27.5°	575.9	539.5	505.6	482.1	565.4	925.5	1264.6	1538.9	1620.3	1631.4
30°	533.9	506.8	493.2	479.1	540.7	927.9	1328.7	1655.5	1758.4	1773.8
32.5°	492.6	477.8	478.5	480.9	517.3	910.7	1387.3	1784.9	1922.4	1947.1
35°	454.4	450.1	462.4	474.8	483.4	866.3	1438.4	1937.8	2125.3	2150.6
37.5°	421.7	425.4	440.8	453.2	446.4	803.4	1506.3	2129.0	2352.2	2373.8
40°	390.3	399.5	417.4	423.0	418.0	730.0	1587.6	2313.3	2548.9	2578.5
42.5°	361.3	368.1	393.4	394.6	410.0	655.4	1665.9	2511.9	2775.1	2790.6
45°	337.9	336.6	362.5	370.6	420.5	572.8	1742.4	2776.4	3071.1	3093.3
47.5°	315.1	313.8	320.0	356.4	424.8	496.3	1818.2	3163.6	3500.2	3538.4
50°	293.5	295.3	276.2	349.6	401.4	437.8	1852.8	3521.8	3890.5	3906.5
52.5°	274.4	267.6	234.3	327.4	351.4	382.3	1754.7	3684.6	4132.2	4177.8
55°	247.2	209.6	193.0	265.7	277.5	333.6	1437.2	3590.2	4153.1	4233.9
57.5°	211.5	164.6	164.0	196.1	196.1	309.5	920.5	3067.4	3579.1	3720.9
60°	162.8	127.6	135.6	136.3	125.8	225.7	516.7	2222.1	2646.3	2787.5
62.5°	115.9	97.4	102.3	81.4	72.1	112.8	247.9	1279.4	1633.3	1653.0
65°	77.7	66.0	53.6	45.0	44.4	48.1	102.3	462.4	562.3	634.4
67.5°	51.2	40.1	28.4	28.4	32.1	32.1	38.8	76.5	107.3	98.0
70°	33.3	27.7	17.9	17.3	21.0	21.0	19.7	21.0	22.2	22.2
72.5°	24.7	21.0	10.5	9.2	11.7	12.3	11.1	10.5	10.5	10.5
75°	18.5	14.8	6.2	4.3	5.5	7.4	6.2	4.3	4.3	3.7
77.5°	7.4	5.5	2.5	1.8	3.1	4.3	3.7	1.8	1.2	1.2
80°	0.6	1.2	1.2	1.2	1.8	2.5	3.1	1.2	0.6	0.6
82.5°	0.0	0.6	0.6	0.6	1.2	1.8	2.5	1.2	0.6	0.6
85°	0.0	0.0	0.0	0.0	1.2	1.8	1.2	0.6	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.6	1.8	1.2	0.6	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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