

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: P634083

Luminaire Tested: GWS-SA3B-722-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634083
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-SA3B-722-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4087.5 lumens
Efficiency: N/A
Efficacy: 59.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

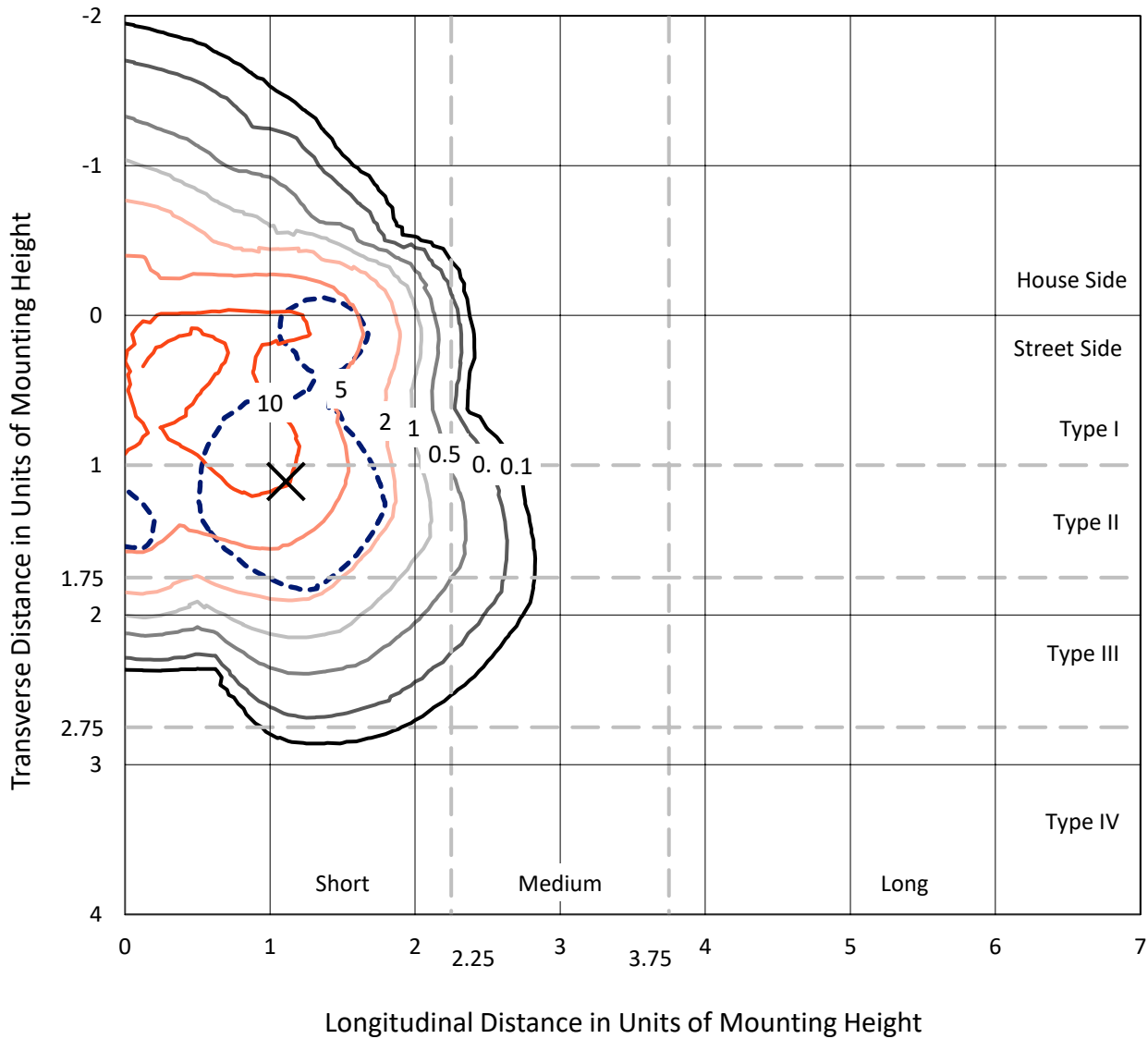
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634083
 CATALOG NUMBER: GWS-SA3B-722-U-SLR-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

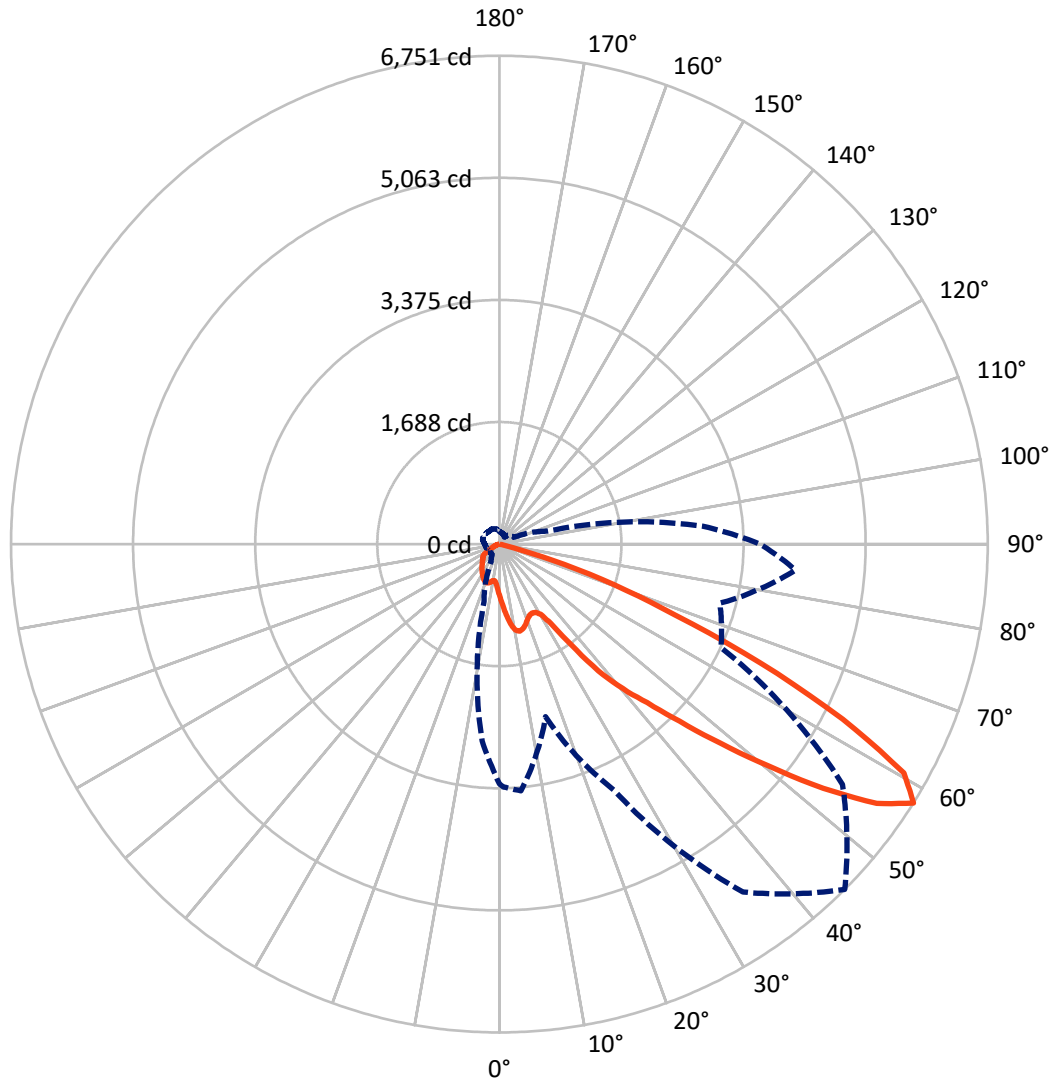
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.8 fc
 Type III - Short - N/A

REPORT NUMBER: P634083
CATALOG NUMBER: GWS-SA3B-722-U-SLR-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P634083

CATALOG NUMBER: GWS-SA3B-722-U-SLR-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	915.3	0.0	915.3
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	3172.2	0.0	3172.2
	% Fixture	77.6	0.0	77.6
Total	Lumens	4087.5	0.0	4087.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.7	1.7
10°-20°	228.6	5.6
20°-30°	371.4	9.1
30°-40°	573.9	14.0
40°-50°	920.2	22.5
50°-60°	1257.7	30.8
60°-70°	609.1	14.9
70°-80°	55.8	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°	4087.5	100.0
0°-180°	4087.5	100.0

Coefficient of Utilization



REPORT NUMBER: P634083

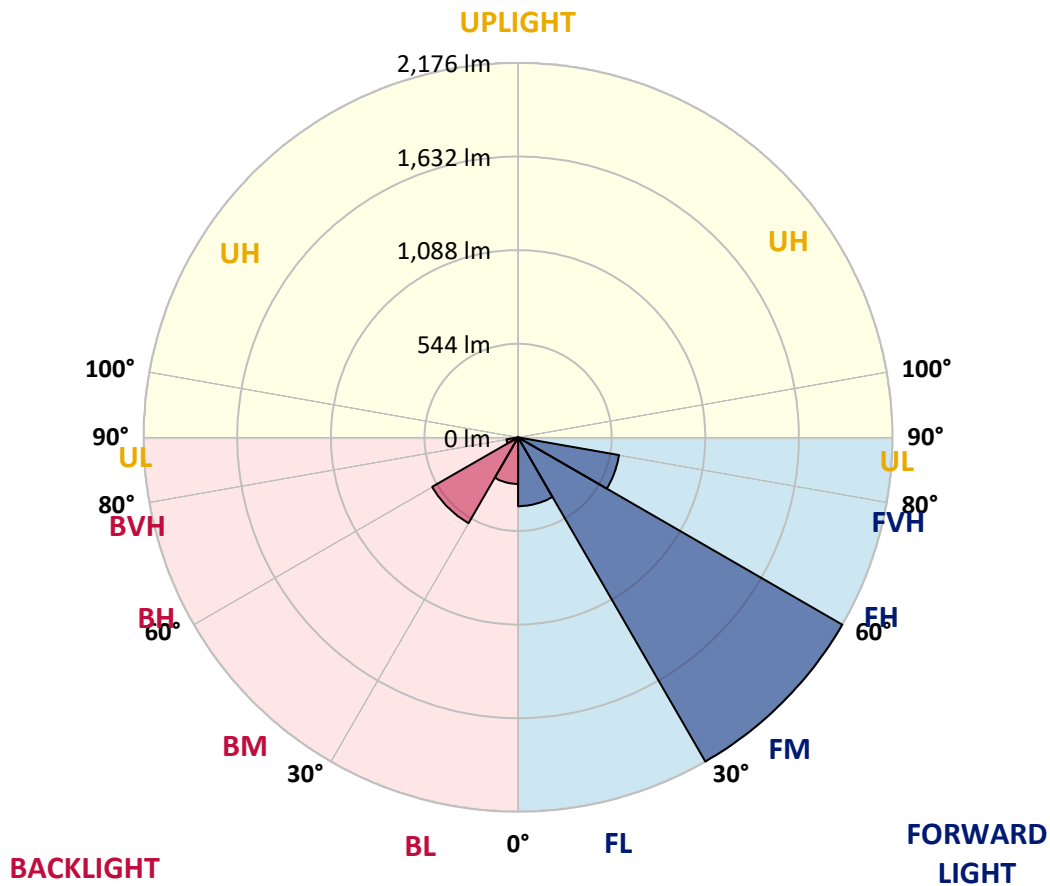
CATALOG NUMBER: GWS-SA3B-722-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	399.9	9.8			
FM (30°-60°)	2175.9	53.2			
FH (60°-80°)	596.3	14.6			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	270.8	6.6	B1/500		
BM (30°-60°)	575.9	14.1	B1/1000		
BH (60°-80°)	68.6	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





REPORT NUMBER: P634083
 CATALOG NUMBER: GWS-SA3B-722-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	718.4	718.4	718.4	718.4	718.4	718.4	718.4	718.4	718.4	718.4	718.4
2.5°	778.3	783.2	791.5	809.0	823.9	833.8	838.2	837.1	831.0	826.6	817.8
5°	861.8	861.8	877.7	917.8	948.6	967.8	977.7	971.6	959.5	940.3	910.7
7.5°	934.8	937.6	964.5	1021.6	1068.3	1095.8	1111.7	1108.4	1087.0	1050.2	990.9
10°	991.9	995.2	1030.9	1100.7	1155.6	1183.6	1207.3	1209.5	1185.8	1137.0	1068.8
12.5°	1047.4	1050.7	1088.1	1155.1	1203.4	1214.9	1235.8	1244.1	1238.0	1203.4	1132.6
15°	1107.3	1115.0	1146.8	1196.8	1217.1	1203.4	1217.1	1232.0	1252.3	1249.0	1185.3
17.5°	1166.1	1171.6	1204.0	1221.5	1199.0	1163.3	1169.9	1187.5	1233.6	1278.7	1237.5
20°	1220.4	1228.1	1255.0	1232.0	1163.9	1108.4	1108.9	1132.0	1202.3	1296.8	1290.7
22.5°	1277.6	1289.1	1308.3	1243.5	1131.5	1065.0	1067.7	1088.6	1177.6	1313.8	1351.2
25°	1352.3	1363.2	1375.9	1272.1	1121.0	1043.6	1054.0	1073.2	1177.6	1342.9	1425.9
27.5°	1453.3	1461.0	1461.6	1325.3	1139.1	1046.9	1068.8	1090.8	1212.7	1401.1	1525.8
30°	1580.2	1592.3	1576.4	1408.3	1195.7	1090.8	1123.2	1150.7	1288.5	1499.5	1673.0
32.5°	1734.5	1751.6	1730.1	1531.3	1313.8	1242.4	1301.2	1317.1	1409.4	1641.7	1840.0
35°	1915.8	1930.1	1907.0	1701.6	1589.5	1602.7	1709.3	1689.0	1652.2	1816.9	2035.0
37.5°	2114.6	2127.8	2083.3	1959.7	1997.1	2054.2	2224.5	2154.7	2036.1	2042.7	2246.4
40°	2297.0	2311.3	2241.5	2240.4	2317.3	2421.7	2627.1	2531.0	2369.5	2338.2	2444.7
42.5°	2485.9	2495.8	2432.6	2389.8	2564.5	2779.2	2996.7	2867.1	2590.3	2556.2	2693.0
45°	2755.6	2776.5	2663.9	2463.4	2786.9	3190.6	3493.8	3240.6	2740.8	2713.3	3073.1
47.5°	3152.2	3167.5	2938.0	2509.5	2994.0	3703.1	4115.0	3725.0	2873.1	2810.5	3592.7
50°	3480.1	3490.5	3190.1	2560.1	3214.2	4255.6	4823.0	4299.5	3022.0	2971.5	4077.6
52.5°	3721.7	3761.3	3521.3	2663.9	3503.7	4905.4	5606.8	4980.1	3254.3	3282.3	4479.7
55°	3771.7	3825.5	3747.5	2727.6	3758.5	5567.2	6330.7	5589.2	3486.1	3518.0	4614.8
57.5°	3314.7	3357.6	3422.4	2470.5	3752.5	5870.4	6750.9	5791.3	3380.6	3154.9	4109.0
60°	2483.2	2512.8	2630.4	1888.3	3451.0	5602.4	6423.5	5447.5	2956.1	2407.4	3130.7
62.5°	1472.5	1485.7	1634.6	1223.2	2864.4	4824.6	5327.2	4700.5	2336.0	1619.2	1917.4
65°	565.2	559.7	673.4	603.6	2106.4	3843.1	3962.3	3583.3	1602.7	742.0	731.1
67.5°	87.3	83.5	112.6	178.5	1519.2	2663.3	2614.4	2582.6	1004.0	173.0	151.0
70°	19.8	19.8	24.2	52.7	928.2	1564.8	1674.7	1596.7	642.6	36.8	19.8
72.5°	9.3	9.3	11.5	22.5	336.1	644.8	751.4	739.8	208.7	12.1	7.1
75°	3.3	3.8	3.8	4.9	20.3	33.5	76.9	54.9	13.2	0.0	0.0
77.5°	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.5	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: P634083

CATALOG NUMBER: GWS-SA3B-722-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	718.4	718.4	718.4	718.4	718.4	718.4	718.4	718.4	718.4	718.4	718.4
2.5°	798.6	794.8	780.5	761.3	742.6	726.1	709.1	688.8	673.9	656.9	651.4
5°	887.6	863.4	824.4	783.8	746.4	714.6	683.8	650.9	626.7	602.5	594.3
7.5°	962.8	927.1	864.0	803.0	751.9	706.9	662.4	617.4	582.2	553.6	544.9
10°	1030.4	989.2	904.6	829.4	765.1	712.9	659.1	602.5	556.9	522.9	514.6
12.5°	1088.6	1040.8	939.2	849.1	770.6	710.7	658.6	613.5	572.3	533.3	522.9
15°	1137.5	1084.8	968.3	862.3	762.4	683.3	637.7	630.5	627.2	584.4	564.1
17.5°	1185.3	1126.0	991.9	868.4	739.3	634.9	602.0	634.4	669.0	641.0	615.2
20°	1235.3	1167.7	1016.1	869.5	700.8	580.6	575.1	626.1	670.1	661.3	637.1
22.5°	1294.0	1219.9	1046.3	868.9	652.5	534.4	555.3	610.2	645.9	645.4	626.1
25°	1379.2	1285.8	1087.0	872.2	599.8	498.7	533.3	583.3	612.4	611.3	595.4
27.5°	1470.3	1364.3	1139.7	880.5	554.7	477.8	507.5	546.5	571.8	570.7	556.9
30°	1598.3	1455.0	1190.2	881.0	522.3	466.9	478.9	505.9	530.0	527.3	516.8
32.5°	1753.8	1557.1	1232.5	849.7	502.0	456.4	449.3	463.0	481.7	477.8	475.1
35°	1941.6	1678.5	1268.8	781.0	470.7	435.6	416.3	419.1	432.3	434.5	433.4
37.5°	2155.8	1823.0	1313.8	690.4	428.4	405.3	379.5	377.3	385.0	392.2	397.7
40°	2367.3	1985.5	1374.8	598.7	390.0	366.9	342.2	336.7	340.0	352.6	364.2
42.5°	2605.1	2173.9	1440.7	520.1	363.6	324.6	301.0	290.6	299.9	320.2	333.9
45°	2947.8	2438.1	1505.0	457.5	352.6	287.3	255.4	254.3	264.7	291.1	306.5
47.5°	3429.0	2779.8	1547.2	408.6	352.1	258.1	220.3	226.8	238.9	264.7	282.3
50°	3898.0	3207.6	1500.6	371.3	340.5	238.9	193.9	207.1	219.2	241.7	259.8
52.5°	4180.9	3437.8	1318.8	336.1	304.8	230.1	168.1	191.1	193.3	213.7	232.9
55°	4151.2	3288.9	1010.1	281.8	252.1	217.5	141.2	172.5	173.6	188.9	205.4
57.5°	3603.1	2823.7	693.7	228.5	189.5	179.6	116.4	145.6	156.0	165.3	177.4
60°	2685.3	2060.2	309.2	185.6	120.3	121.4	99.4	109.9	125.8	136.8	147.2
62.5°	1582.4	1185.3	125.8	111.5	66.5	76.3	80.2	80.2	90.1	98.3	104.9
65°	598.1	414.7	51.1	56.0	34.6	35.7	47.2	58.2	65.9	73.1	81.8
67.5°	104.9	72.5	26.4	20.9	20.3	18.1	24.2	37.9	42.3	47.8	51.6
70°	17.6	14.8	11.0	10.4	9.3	9.9	15.9	26.9	29.7	31.3	33.0
72.5°	4.9	4.4	3.3	2.7	2.2	2.7	9.9	20.9	22.0	23.1	24.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	14.8	15.9	16.5	18.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	4.4	5.5	4.4
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: P634083
 CATALOG NUMBER: GWS-SA3B-722-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	718.4	718.4	718.4	718.4	718.4	718.4	718.4	718.4	718.4	718.4	718.4
2.5°	648.1	637.1	631.1	627.8	627.8	623.4	618.5	616.8	624.0	624.0	636.0
5°	583.9	575.1	565.2	559.1	549.8	551.4	546.0	545.4	552.5	555.8	568.5
7.5°	539.4	528.4	522.3	518.5	513.6	511.4	506.4	504.8	508.6	514.1	526.2
10°	509.7	508.1	507.5	510.3	510.3	507.5	503.1	500.4	501.5	511.9	525.6
12.5°	517.4	520.7	521.8	526.2	528.4	526.2	522.9	524.0	531.1	550.4	570.7
15°	550.9	548.2	547.1	549.3	550.9	548.7	547.6	555.8	580.6	608.0	631.1
17.5°	586.6	569.0	561.3	561.3	562.4	561.3	562.4	578.4	618.5	645.9	662.9
20°	604.7	572.3	560.2	557.5	559.7	560.2	564.1	582.2	626.1	645.4	649.2
22.5°	599.2	558.6	544.9	542.7	544.9	547.1	550.9	566.3	607.5	617.4	615.7
25°	571.8	531.7	520.7	520.7	525.6	525.1	526.7	537.7	571.8	577.8	575.1
27.5°	537.2	499.3	489.9	495.4	499.8	498.7	499.3	508.6	533.9	535.5	532.8
30°	502.0	469.1	460.3	466.9	472.9	471.8	472.4	481.7	497.6	496.0	492.1
32.5°	466.3	442.1	435.6	439.4	448.7	447.6	449.8	459.7	465.8	458.6	454.2
35°	433.4	420.7	415.8	418.0	425.1	426.8	430.6	437.2	437.2	428.4	420.7
37.5°	402.6	401.0	397.7	394.9	401.5	406.4	411.9	419.6	408.6	396.0	388.9
40°	374.0	381.2	376.8	369.6	373.5	380.6	391.6	397.7	384.5	371.8	359.8
42.5°	347.7	359.8	358.1	349.3	352.6	359.2	371.8	376.8	361.4	347.1	335.6
45°	322.4	339.4	340.5	329.6	332.8	339.4	354.3	355.9	336.1	320.8	312.5
47.5°	300.4	319.1	319.7	311.4	312.5	321.9	335.6	336.1	313.6	299.3	288.9
50°	279.6	301.0	302.6	295.5	296.6	307.6	319.1	316.9	292.8	277.9	268.6
52.5°	254.3	283.4	287.3	284.0	288.4	297.1	304.3	296.6	268.6	253.8	245.5
55°	226.8	264.7	273.0	270.8	275.7	282.9	284.5	279.6	244.4	229.6	221.9
57.5°	195.0	218.1	232.3	227.9	231.8	238.9	243.9	240.0	213.7	202.1	195.5
60°	161.5	176.9	180.2	173.0	169.7	182.4	193.9	188.9	166.4	159.3	151.6
62.5°	118.1	135.7	137.9	128.5	124.7	138.4	148.3	143.4	118.6	110.9	104.9
65°	94.5	110.9	115.3	106.6	104.4	114.8	120.8	108.8	91.2	82.9	76.3
67.5°	62.1	75.2	86.8	86.2	81.8	85.1	80.7	70.9	58.2	53.8	49.4
70°	38.4	46.1	53.3	56.0	55.5	54.4	48.3	41.2	37.3	35.7	33.5
72.5°	29.7	37.3	42.8	44.5	45.0	43.4	38.4	31.9	28.0	25.8	24.2
75°	22.0	28.0	32.4	34.6	35.7	34.6	29.7	25.3	21.4	19.8	18.1
77.5°	7.7	9.3	11.5	12.6	12.1	11.5	10.4	10.4	8.2	7.7	6.6
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



REPORT NUMBER: P634083
 CATALOG NUMBER: GWS-SA3B-722-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	718.4	718.4	718.4	718.4	718.4	718.4	718.4	718.4	718.4	718.4
2.5°	649.8	659.7	677.8	694.3	711.8	730.0	749.7	770.1	779.4	778.3
5°	587.7	609.1	638.8	671.2	707.4	746.4	789.8	834.3	853.5	861.8
7.5°	548.7	578.9	617.9	659.1	706.9	762.4	827.7	897.5	925.5	934.8
10°	553.6	588.8	621.2	661.3	712.4	784.3	865.6	948.6	981.5	991.9
12.5°	593.7	601.4	610.2	643.2	707.4	800.8	900.2	999.1	1037.0	1047.4
15°	630.0	594.3	577.8	608.0	689.9	812.3	935.4	1053.5	1095.2	1107.3
17.5°	631.6	577.8	541.0	564.6	661.3	817.3	970.0	1108.9	1154.5	1166.1
20°	611.3	559.7	512.5	513.0	622.3	816.2	998.5	1158.9	1210.0	1220.4
22.5°	581.7	538.3	489.4	472.4	580.6	814.0	1029.8	1212.2	1267.7	1277.6
25°	548.7	510.8	467.4	441.6	538.8	816.2	1073.8	1282.0	1342.9	1352.3
27.5°	513.0	480.6	450.4	429.5	503.7	824.4	1126.5	1370.9	1443.4	1453.3
30°	475.7	451.5	439.4	426.8	481.7	826.6	1183.6	1474.7	1566.5	1580.2
32.5°	438.9	425.7	426.2	428.4	460.8	811.2	1235.8	1590.1	1712.6	1734.5
35°	404.8	401.0	411.9	422.9	430.6	771.7	1281.4	1726.3	1893.3	1915.8
37.5°	375.7	379.0	392.7	403.7	397.7	715.7	1341.8	1896.6	2095.4	2114.6
40°	347.7	355.9	371.8	376.8	372.4	650.3	1414.3	2060.8	2270.6	2297.0
42.5°	321.9	327.9	350.4	351.5	365.3	583.9	1484.1	2237.7	2472.2	2485.9
45°	301.0	299.9	323.0	330.1	374.6	510.3	1552.2	2473.3	2735.8	2755.6
47.5°	280.7	279.6	285.1	317.5	378.4	442.1	1619.7	2818.2	3118.1	3152.2
50°	261.4	263.1	246.1	311.4	357.6	390.0	1650.5	3137.3	3465.8	3480.1
52.5°	244.4	238.4	208.7	291.7	313.1	340.5	1563.2	3282.3	3681.1	3721.7
55°	220.3	186.7	171.9	236.7	247.2	297.1	1280.3	3198.3	3699.8	3771.7
57.5°	188.4	146.7	146.1	174.7	174.7	275.7	820.0	2732.5	3188.4	3314.7
60°	145.0	113.7	120.8	121.4	112.0	201.0	460.3	1979.5	2357.4	2483.2
62.5°	103.3	86.8	91.2	72.5	64.3	100.5	220.8	1139.7	1455.0	1472.5
65°	69.2	58.8	47.8	40.1	39.5	42.8	91.2	411.9	500.9	565.2
67.5°	45.6	35.7	25.3	25.3	28.6	28.6	34.6	68.1	95.6	87.3
70°	29.7	24.7	15.9	15.4	18.7	18.7	17.6	18.7	19.8	19.8
72.5°	22.0	18.7	9.3	8.2	10.4	11.0	9.9	9.3	9.3	9.3
75°	16.5	13.2	5.5	3.8	4.9	6.6	5.5	3.8	3.8	3.3
77.5°	6.6	4.9	2.2	1.6	2.7	3.8	3.3	1.6	1.1	1.1
80°	0.5	1.1	1.1	1.1	1.6	2.2	2.7	1.1	0.5	0.5
82.5°	0.0	0.5	0.5	0.5	1.1	1.6	2.2	1.1	0.5	0.5
85°	0.0	0.0	0.0	0.0	1.1	1.6	1.1	0.5	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.5	1.6	1.1	0.5	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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