

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: P631605

Luminaire Tested: GWS-SA2B-722-U-SLL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631605
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-39)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-722-U-SLL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3956.8 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

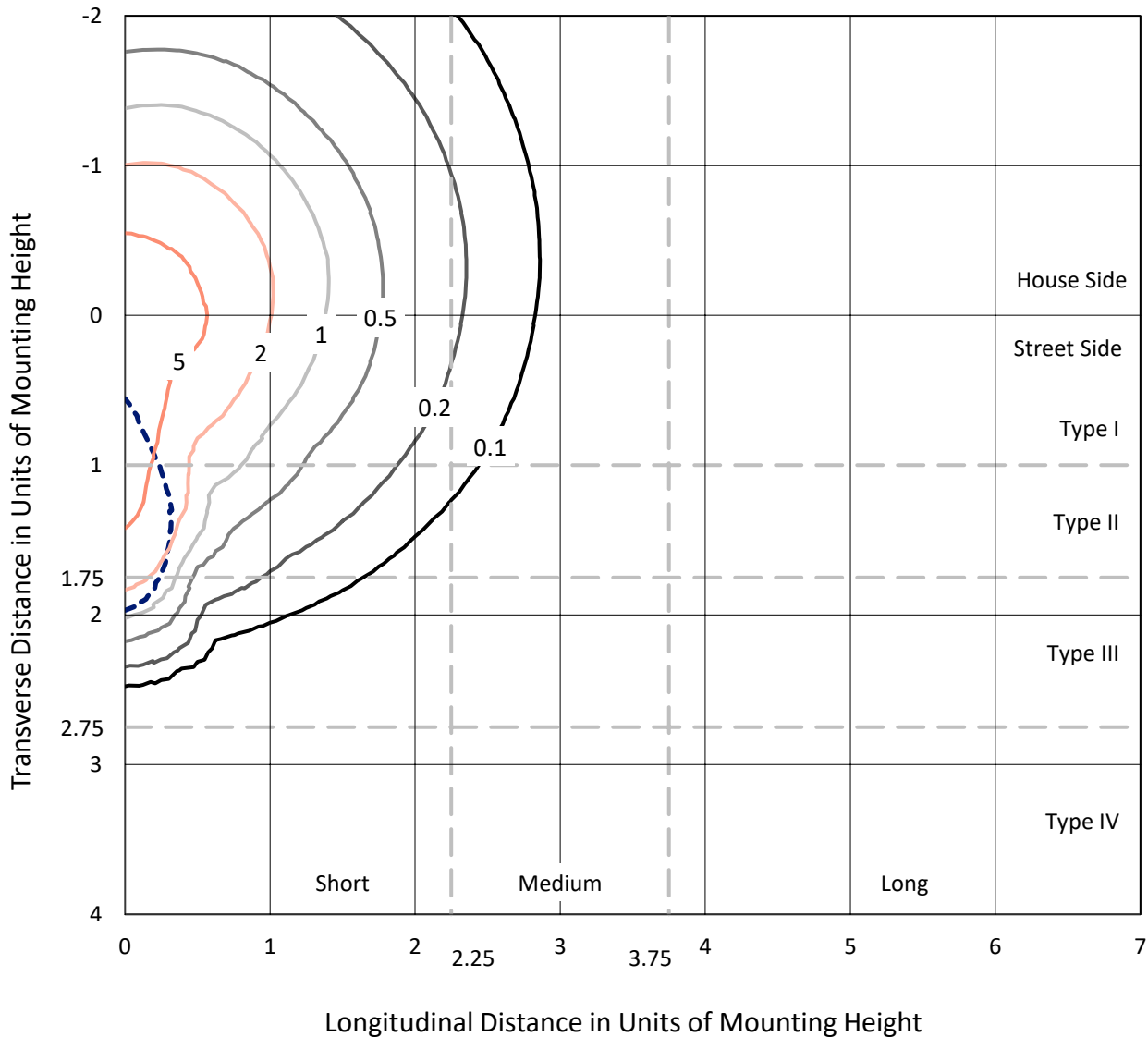
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

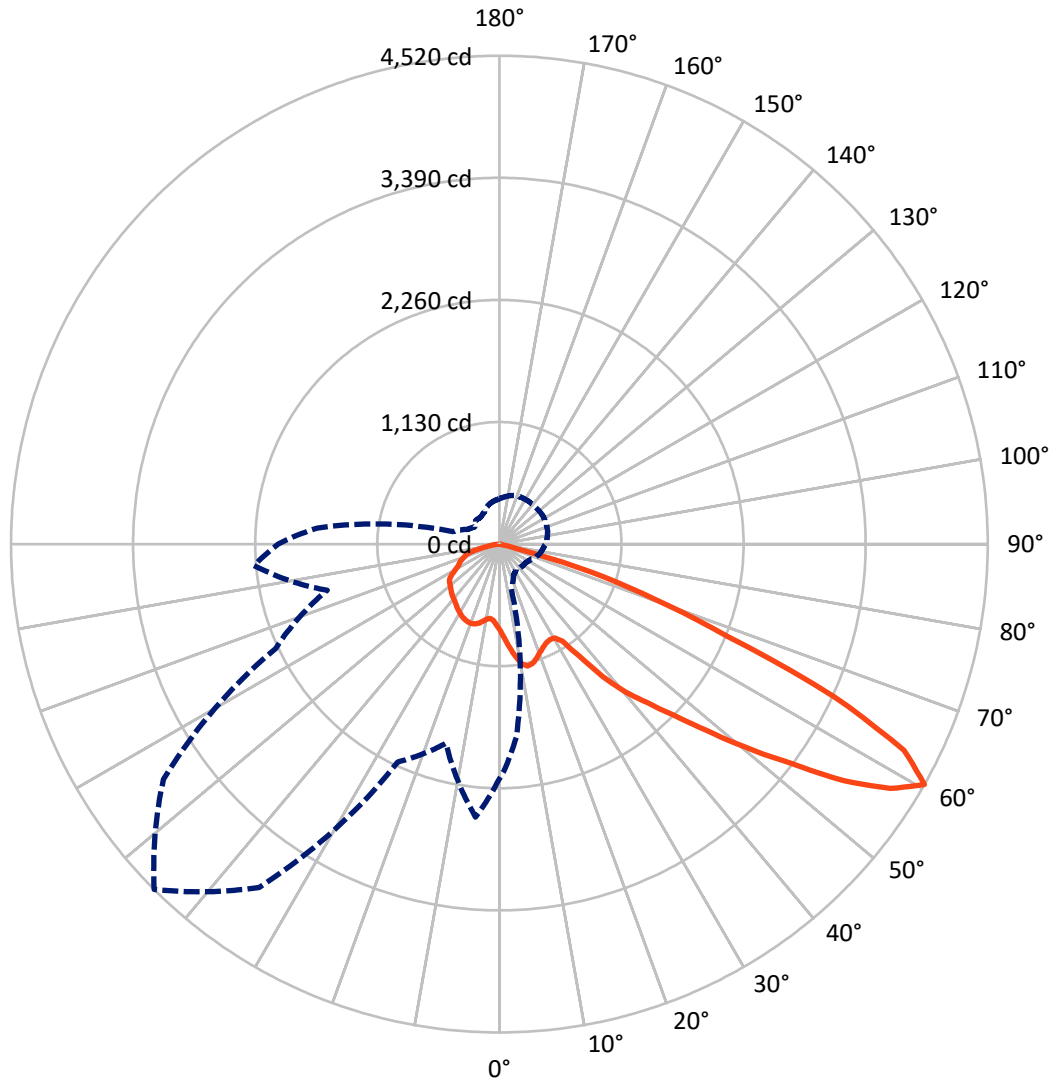
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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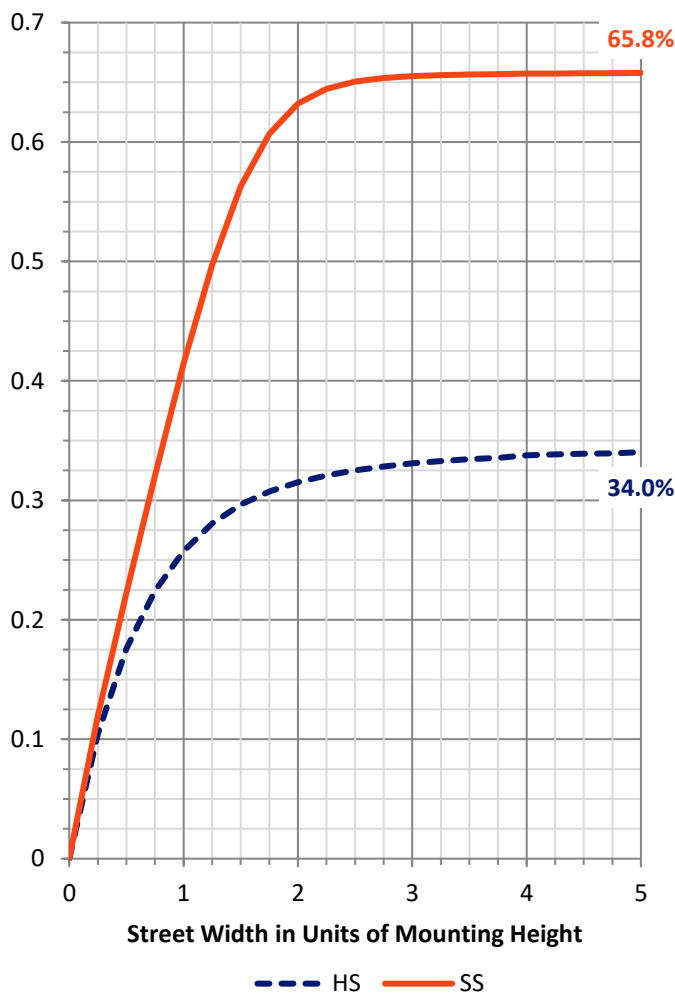
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1353.6	0.0	1353.6
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	2603.2	0.0	2603.2
	% Fixture	65.8	0.0	65.8
Total	Lumens	3956.8	0.0	3956.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.0	2.0
10°-20°	250.1	6.3
20°-30°	407.3	10.3
30°-40°	572.1	14.5
40°-50°	782.9	19.8
50°-60°	1004.5	25.4
60°-70°	676.4	17.1
70°-80°	169.1	4.3
80°-90°	16.5	0.4
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°	3956.8	100.0
0°-180°	3956.8	100.0

Coefficient of Utilization



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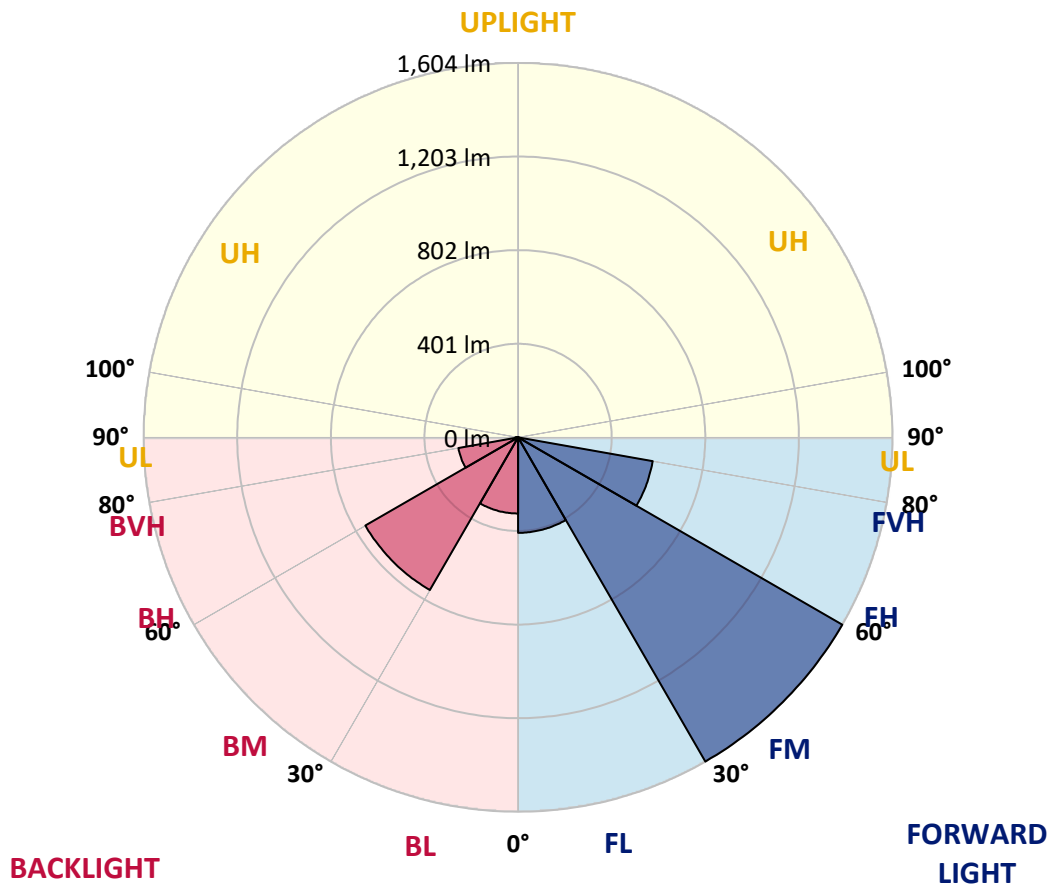
CATALOG NUMBER: GWS-SA2B-722-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	409.0	10.3			
FM (30°-60°)	1604.1	40.5			
FH (60°-80°)	585.8	14.8			G0/660
FVH (80°-90°)	4.3	0.1			G0/10
BL (0°-30°)	326.3	8.2	B1/500		
BM (30°-60°)	755.4	19.1	B1/1000		
BH (60°-80°)	259.7	6.6	B1/500		G1/500
BVH (80°-90°)	12.2	0.3			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





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	798.0	798.0	798.0	798.0	798.0	798.0	798.0	798.0	798.0	798.0	798.0
2.5°	844.3	842.5	840.7	826.5	822.8	812.6	805.3	796.2	783.1	775.8	769.6
5°	897.2	894.2	884.4	855.3	836.3	815.5	798.4	779.5	759.4	746.3	736.1
7.5°	947.1	946.4	929.6	881.5	850.9	821.0	797.7	770.0	741.2	721.5	708.4
10°	993.4	987.9	967.9	905.2	865.1	830.8	805.7	775.1	741.6	715.0	697.5
12.5°	1034.2	1027.3	999.6	927.0	877.5	835.2	807.9	782.7	760.5	738.3	718.2
15°	1067.7	1059.3	1031.3	947.5	888.4	832.7	794.4	774.7	782.4	792.2	770.0
17.5°	1099.0	1090.3	1056.0	962.4	891.7	817.0	761.2	752.9	791.5	836.3	826.1
20°	1125.3	1115.4	1075.7	969.7	885.9	787.1	718.2	732.8	783.8	837.4	853.8
22.5°	1153.7	1145.7	1097.9	980.2	878.6	745.9	682.2	717.9	770.7	817.7	842.5
25°	1199.3	1189.4	1132.6	998.8	874.9	707.3	656.3	703.3	752.5	795.1	814.4
27.5°	1265.2	1247.0	1179.9	1031.3	878.9	670.9	639.9	685.4	731.4	767.8	783.5
30°	1337.0	1315.1	1232.4	1064.8	884.8	648.6	631.1	665.0	698.9	735.4	752.5
32.5°	1421.9	1402.6	1288.5	1089.9	872.4	638.4	624.6	642.8	669.8	698.9	713.1
35°	1523.2	1488.6	1349.8	1110.3	832.3	623.5	618.8	618.4	632.6	661.0	677.1
37.5°	1632.2	1595.0	1425.2	1132.2	770.0	599.8	604.9	589.6	602.7	625.3	643.5
40°	1721.4	1682.5	1501.3	1162.1	692.0	562.6	574.3	557.9	565.9	589.2	609.6
42.5°	1808.9	1767.4	1572.4	1196.0	616.6	526.2	532.0	525.8	528.4	552.8	581.2
45°	1923.7	1877.0	1659.9	1220.0	548.8	497.4	491.9	481.4	494.9	526.6	556.8
47.5°	2115.4	2059.6	1803.1	1235.7	499.6	481.0	455.9	449.7	466.4	501.8	533.1
50°	2339.5	2291.4	2031.9	1235.0	462.8	467.2	420.9	415.4	443.1	478.8	512.0
52.5°	2523.1	2474.3	2227.6	1198.5	432.5	437.6	400.5	385.2	423.1	456.2	489.4
55°	2671.4	2616.4	2317.6	1046.2	394.3	390.6	378.3	350.2	397.9	433.6	464.6
57.5°	2591.6	2526.0	2208.7	795.5	354.9	332.0	340.0	319.2	363.7	408.5	438.4
60°	2172.9	2113.9	1794.3	423.4	312.3	277.3	294.1	297.4	326.1	378.3	408.9
62.5°	1492.6	1449.6	1216.0	256.9	246.3	222.7	248.9	272.6	294.1	338.2	364.8
65°	730.3	717.5	608.2	164.7	172.4	180.0	206.3	235.0	266.7	305.4	333.4
67.5°	201.2	202.6	184.4	128.6	135.9	157.1	177.8	200.8	232.5	268.2	296.6
70°	88.6	90.0	92.9	99.1	113.0	132.3	153.8	177.5	206.6	236.5	263.8
72.5°	61.6	63.0	67.4	75.4	87.8	106.0	126.4	149.0	179.3	204.4	227.0
75°	37.9	39.0	43.0	49.9	58.3	72.2	92.2	113.0	139.6	162.5	182.6
77.5°	20.0	19.3	21.9	26.6	33.9	41.2	54.7	67.8	86.7	105.3	122.1
80°	10.9	10.6	12.0	14.6	16.8	22.6	31.7	40.4	51.4	61.9	71.1
82.5°	4.7	4.4	4.7	6.2	7.7	10.9	16.0	22.2	28.4	35.7	41.5
85°	0.0	0.0	0.0	0.4	1.8	2.9	5.5	8.0	11.7	16.0	19.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.3
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°	798.0	798.0	798.0	798.0	798.0	798.0	798.0	798.0	798.0	798.0	798.0
2.5°	766.0	756.9	756.1	748.8	749.6	749.9	742.7	739.7	742.3	745.2	743.7
5°	732.5	723.0	719.0	712.0	711.3	708.0	705.1	701.5	704.0	706.6	708.0
7.5°	703.3	697.1	694.6	692.7	693.5	692.0	686.2	682.9	682.5	683.6	685.1
10°	693.8	688.7	692.0	697.1	700.7	703.3	697.1	691.6	686.5	684.4	684.4
12.5°	714.2	707.7	714.2	719.7	727.0	728.8	721.9	716.1	714.2	716.4	720.8
15°	759.4	744.1	743.7	747.0	752.9	755.8	749.2	746.3	746.3	760.1	771.1
17.5°	804.6	779.5	768.9	767.1	770.7	771.8	766.3	763.8	770.3	797.3	817.7
20°	836.3	805.7	782.7	778.4	779.5	779.8	775.5	773.6	783.1	815.9	833.0
22.5°	833.0	810.4	782.4	776.9	778.7	778.0	774.0	773.3	780.9	809.3	817.4
25°	810.4	792.9	769.3	765.6	768.5	768.2	764.2	762.3	765.6	784.6	785.3
27.5°	784.6	769.3	748.8	747.8	752.5	755.0	748.1	742.7	741.6	754.3	751.4
30°	753.6	742.3	725.9	726.6	735.4	736.8	728.4	720.4	718.2	725.2	721.2
32.5°	716.8	713.1	704.4	706.2	714.6	717.5	708.8	700.4	697.8	700.0	691.6
35°	685.4	684.0	684.7	688.0	695.3	697.5	690.2	683.6	680.0	672.3	661.4
37.5°	653.0	657.0	667.6	673.8	677.8	677.1	673.1	668.3	662.5	648.3	634.8
40°	622.8	633.0	651.9	658.8	660.3	660.7	657.7	653.7	646.5	627.5	612.2
42.5°	599.4	610.7	635.9	646.5	647.2	647.9	645.0	641.7	631.5	606.4	591.4
45°	575.0	590.0	619.5	632.2	631.5	631.1	628.6	627.1	615.1	586.0	569.6
47.5°	554.3	571.7	603.5	614.4	614.0	613.7	611.8	611.8	599.8	568.1	549.5
50°	533.9	553.9	587.1	596.2	596.9	596.2	595.4	596.5	582.3	548.4	530.2
52.5°	511.6	534.2	568.8	577.2	581.6	583.4	583.4	580.9	564.1	528.8	508.7
55°	487.2	508.7	548.8	560.1	563.7	567.0	567.0	561.9	546.2	510.5	489.0
57.5°	457.0	475.9	507.6	518.9	527.7	529.8	529.8	521.5	508.7	474.5	457.0
60°	424.2	440.6	462.1	474.1	480.6	476.3	479.6	477.4	467.2	435.5	420.9
62.5°	380.4	397.2	420.9	433.3	436.2	431.8	436.2	435.8	422.0	393.6	376.1
65°	349.1	365.5	388.8	404.9	409.6	408.5	411.4	407.0	389.9	362.9	346.2
67.5°	311.9	329.4	356.4	374.2	384.1	385.2	389.2	380.1	362.6	333.1	311.9
70°	276.6	291.5	312.3	329.1	342.9	349.8	350.6	337.4	315.6	291.2	275.9
72.5°	239.4	254.7	279.9	298.1	315.6	323.6	323.6	307.6	283.9	256.9	240.5
75°	194.2	208.4	231.4	251.1	271.1	281.3	281.0	267.1	240.9	215.4	198.2
77.5°	131.5	142.1	156.7	171.6	174.5	182.6	186.6	169.1	154.5	140.7	125.4
80°	76.5	83.1	91.1	99.5	101.3	103.9	97.3	90.7	83.1	74.0	67.1
82.5°	44.8	49.2	53.2	59.8	60.9	61.6	55.8	52.8	46.6	41.2	36.8
85°	21.9	23.3	27.0	30.2	28.8	28.1	25.5	22.6	20.0	17.9	15.7
87.5°	4.4	4.4	6.6	6.2	5.1	4.4	2.6	3.3	0.7	0.7	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°	798.0	798.0	798.0	798.0	798.0	798.0	798.0	798.0	798.0	798.0	798.0
2.5°	748.5	754.7	762.3	772.5	784.2	796.6	808.6	817.7	826.8	840.3	838.1
5°	710.2	720.8	732.8	748.5	767.4	788.9	813.0	837.0	862.9	884.8	894.2
7.5°	688.0	699.7	713.9	734.3	758.7	784.9	818.8	857.8	899.7	928.5	946.4
10°	688.0	702.9	721.5	741.2	762.7	789.7	831.6	880.4	934.3	972.2	993.0
12.5°	727.7	742.7	746.7	745.9	758.0	787.8	841.8	904.1	968.6	1008.7	1034.2
15°	789.7	794.8	764.5	736.8	738.6	774.7	846.5	923.0	998.1	1046.2	1073.9
17.5°	831.2	817.7	763.8	715.3	705.1	752.5	846.5	941.3	1029.4	1083.7	1109.6
20°	834.5	801.0	745.2	694.6	668.3	723.0	840.7	955.1	1059.7	1119.8	1147.5
22.5°	805.7	772.5	725.5	676.7	638.1	687.3	831.2	965.7	1085.6	1153.7	1188.0
25°	772.9	745.2	705.5	658.5	617.3	651.2	822.5	983.5	1121.6	1199.6	1234.2
27.5°	740.8	717.5	681.4	643.2	605.6	619.9	817.0	1009.8	1164.6	1264.8	1294.7
30°	709.5	688.4	655.6	628.6	599.4	599.4	812.3	1040.0	1221.5	1338.1	1368.0
32.5°	677.8	657.7	631.1	614.4	595.8	591.4	799.1	1068.4	1280.2	1418.3	1448.9
35°	648.3	628.2	607.8	600.9	594.0	585.2	766.7	1090.7	1337.4	1511.9	1538.1
37.5°	620.6	601.3	586.0	584.1	584.9	568.5	715.7	1109.2	1408.8	1607.7	1621.6
40°	596.5	575.0	563.0	562.6	566.3	541.5	651.2	1135.8	1490.4	1689.0	1683.2
42.5°	575.0	552.4	537.9	541.1	539.0	514.5	588.1	1160.3	1561.5	1765.2	1753.5
45°	553.9	532.0	511.6	516.4	513.8	497.8	534.6	1178.1	1640.2	1856.6	1858.1
47.5°	533.5	512.0	491.6	485.8	485.4	492.7	493.4	1183.9	1768.5	2003.9	1970.7
50°	514.5	493.0	471.9	452.2	459.9	482.5	462.8	1179.6	1960.5	2166.4	2073.8
52.5°	494.9	474.5	451.1	415.8	435.8	458.1	435.5	1163.9	2077.8	2310.0	2254.6
55°	472.3	453.0	421.3	378.3	402.7	407.4	407.4	1012.3	2127.8	2452.1	2486.3
57.5°	442.0	416.5	366.2	331.6	353.5	335.3	377.5	708.4	2045.4	2407.3	2540.3
60°	407.8	380.4	327.2	302.5	309.0	276.9	321.8	444.2	1695.2	2048.3	2278.6
62.5°	362.6	337.4	293.3	274.0	260.5	225.9	259.1	281.0	1162.1	1521.0	1678.1
65°	332.3	304.6	265.3	239.8	212.1	181.8	172.0	184.4	625.0	851.2	957.3
67.5°	296.6	269.3	232.1	200.1	177.8	156.0	138.8	134.5	214.3	283.5	306.8
70°	262.7	236.5	205.5	175.6	153.4	131.9	115.2	103.1	99.1	98.4	96.9
72.5°	228.1	203.7	177.8	150.1	125.7	106.0	91.1	77.3	71.4	69.6	67.8
75°	186.9	167.6	141.8	111.9	92.2	74.0	62.3	53.2	48.1	46.3	44.1
77.5°	120.3	111.5	88.9	72.2	55.8	44.1	37.9	32.1	28.8	28.1	26.2
80°	64.1	59.8	49.2	41.5	33.2	27.0	23.7	20.4	18.6	17.9	17.1
82.5°	35.7	32.4	27.3	24.1	19.3	16.4	14.6	13.1	12.0	11.7	11.3
85°	16.0	13.8	10.9	10.2	9.1	8.4	8.0	7.3	6.9	6.6	6.2
87.5°	0.7	1.5	1.8	1.5	1.5	2.2	2.6	2.6	2.2	2.2	1.8
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-SA2B-722-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	798.0	798.0	798.0	798.0	798.0	798.0	798.0	798.0	798.0	798.0
2.5°	851.6	862.5	863.6	867.3	862.5	861.5	853.8	849.4	845.4	844.3
5°	917.9	939.8	948.5	954.7	948.9	946.0	929.2	911.7	901.9	897.2
7.5°	986.1	1018.9	1036.0	1043.7	1044.4	1031.3	1002.5	969.7	953.3	947.1
10°	1046.9	1087.4	1110.0	1124.6	1119.4	1103.4	1064.1	1019.6	998.8	993.4
12.5°	1092.1	1130.7	1148.2	1157.7	1157.3	1148.6	1111.4	1063.3	1039.6	1034.2
15°	1121.3	1144.2	1145.3	1147.5	1153.7	1165.4	1146.1	1101.6	1075.4	1067.7
17.5°	1144.2	1135.1	1118.0	1112.2	1126.0	1158.4	1170.1	1134.0	1105.6	1099.0
20°	1158.8	1112.9	1082.6	1071.3	1087.4	1140.2	1184.7	1163.2	1133.7	1125.3
22.5°	1170.1	1092.1	1043.3	1035.6	1052.4	1120.5	1199.6	1197.8	1165.4	1153.7
25°	1188.0	1078.3	1015.6	1010.1	1025.8	1111.1	1219.7	1244.8	1216.0	1199.3
27.5°	1216.0	1076.8	1001.4	999.6	1021.1	1119.4	1248.4	1313.7	1277.6	1265.2
30°	1255.0	1090.7	1004.7	1008.3	1034.5	1149.7	1293.3	1392.4	1356.3	1337.0
32.5°	1311.1	1127.8	1054.6	1070.3	1089.6	1198.2	1358.9	1477.7	1450.3	1421.9
35°	1385.1	1229.9	1202.2	1268.9	1250.6	1304.2	1437.9	1581.1	1548.0	1523.2
37.5°	1483.9	1439.0	1464.5	1556.4	1512.3	1504.6	1534.5	1675.2	1656.9	1632.2
40°	1622.3	1631.4	1678.4	1799.1	1735.3	1686.1	1652.9	1745.9	1752.1	1721.4
42.5°	1714.2	1756.1	1869.4	2006.4	1918.6	1800.9	1752.1	1836.2	1836.6	1808.9
45°	1748.4	1858.1	2095.0	2252.7	2105.9	1866.5	1806.7	1959.0	1955.4	1923.7
47.5°	1736.0	1944.1	2329.3	2570.5	2346.4	1913.1	1799.1	2133.9	2163.5	2115.4
50°	1710.1	2030.5	2602.9	2959.7	2641.6	1962.7	1787.4	2327.8	2376.6	2339.5
52.5°	1736.4	2126.7	2926.5	3362.0	3011.8	2041.8	1866.1	2576.7	2568.0	2523.1
55°	1819.5	2240.4	3319.7	3867.4	3418.5	2175.5	2068.4	2813.9	2725.0	2671.4
57.5°	1815.5	2321.6	3664.4	4267.2	3772.3	2285.2	2138.7	2839.1	2659.4	2591.6
60°	1647.8	2284.4	3795.6	4520.1	3879.1	2224.7	1907.3	2535.9	2244.0	2172.9
62.5°	1229.9	2027.2	3541.3	4203.4	3577.0	1921.5	1434.3	1820.2	1612.5	1492.6
65°	786.7	1585.9	2977.2	3405.4	2948.4	1469.6	854.2	975.9	764.5	730.3
67.5°	334.9	1119.4	2314.3	2276.1	2205.7	952.2	329.8	274.8	204.8	201.2
70°	110.8	761.6	1426.6	1518.1	1317.3	655.9	109.0	92.2	91.8	88.6
72.5°	72.5	408.9	803.1	894.2	847.6	377.5	66.0	61.6	63.0	61.6
75°	43.4	88.9	135.2	175.6	135.2	63.4	39.7	39.0	39.7	37.9
77.5°	25.5	24.8	24.1	24.1	23.7	21.9	20.0	19.3	19.7	20.0
80°	16.4	15.7	14.9	14.6	12.8	12.0	11.3	10.6	10.6	10.9
82.5°	10.6	9.8	9.1	8.0	6.6	5.5	5.1	4.4	4.4	4.7
85°	5.5	4.4	3.3	2.6	1.5	0.7	0.0	0.0	0.0	0.0
87.5°	1.1	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

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