

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: P630124

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630124
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-43)
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-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3494.6 lumens
Efficiency: N/A
Efficacy: 78.9 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

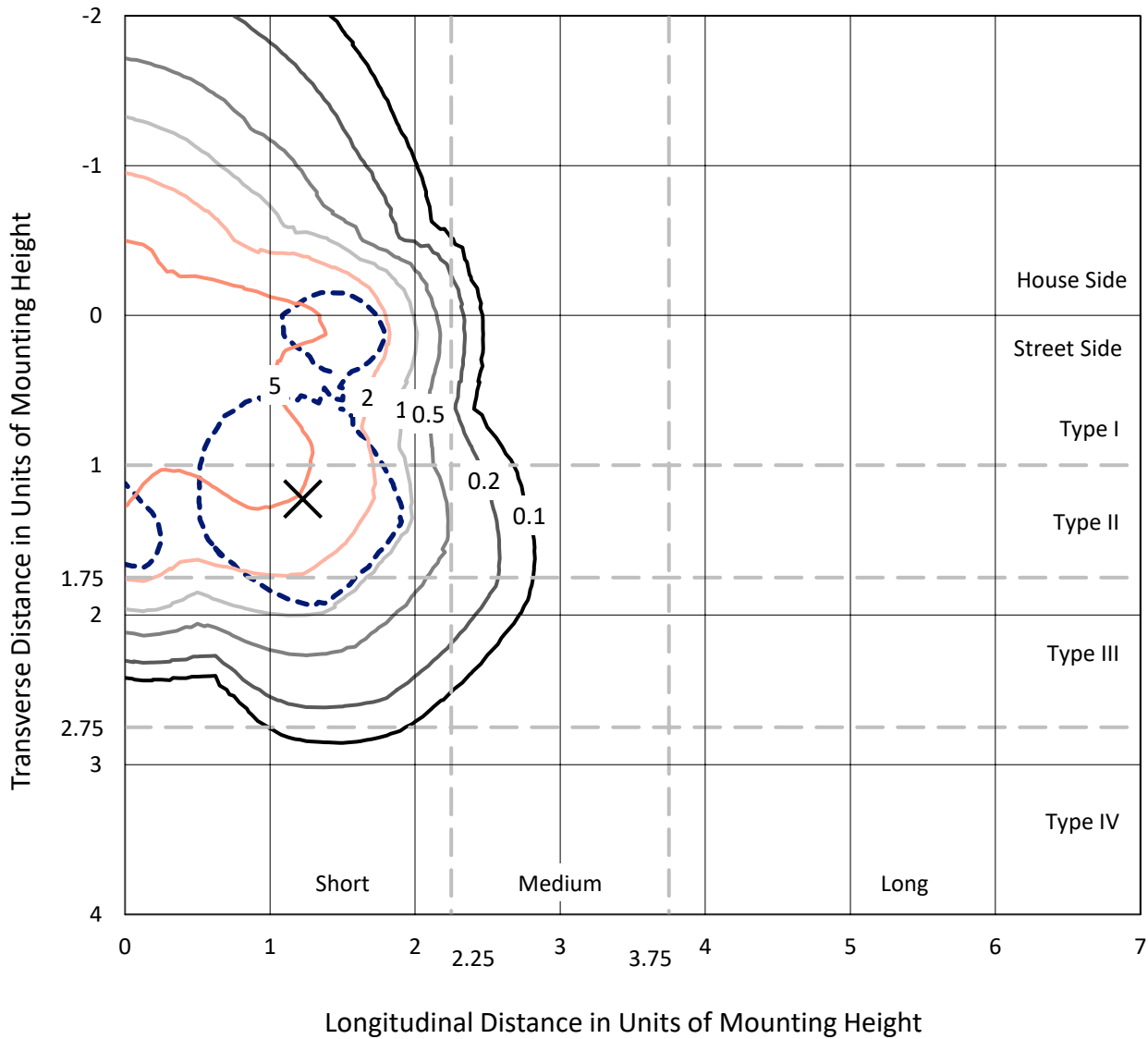
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

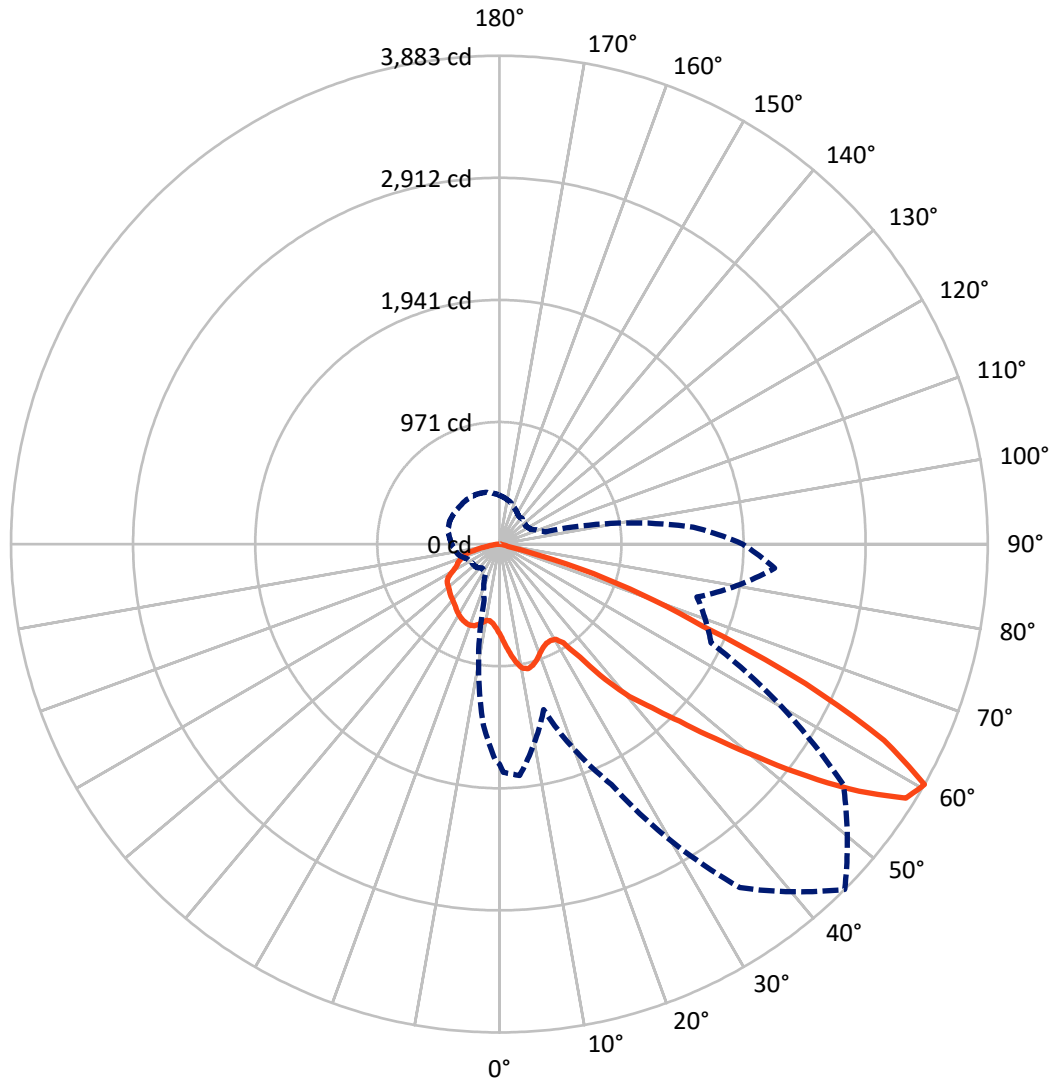
✕ Max cd
 - - - 1/2 Max cd



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 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1225.0	0.0	1225.0
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	2269.6	0.0	2269.6
	% Fixture	64.9	0.0	64.9
Total	Lumens	3494.6	0.0	3494.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.0	2.0
10°-20°	221.3	6.3
20°-30°	359.5	10.3
30°-40°	507.0	14.5
40°-50°	700.7	20.1
50°-60°	902.0	25.8
60°-70°	571.5	16.4
70°-80°	146.7	4.2
80°-90°	15.7	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°	3494.6	100.0
0°-180°	3494.6	100.0

Coefficient of Utilization



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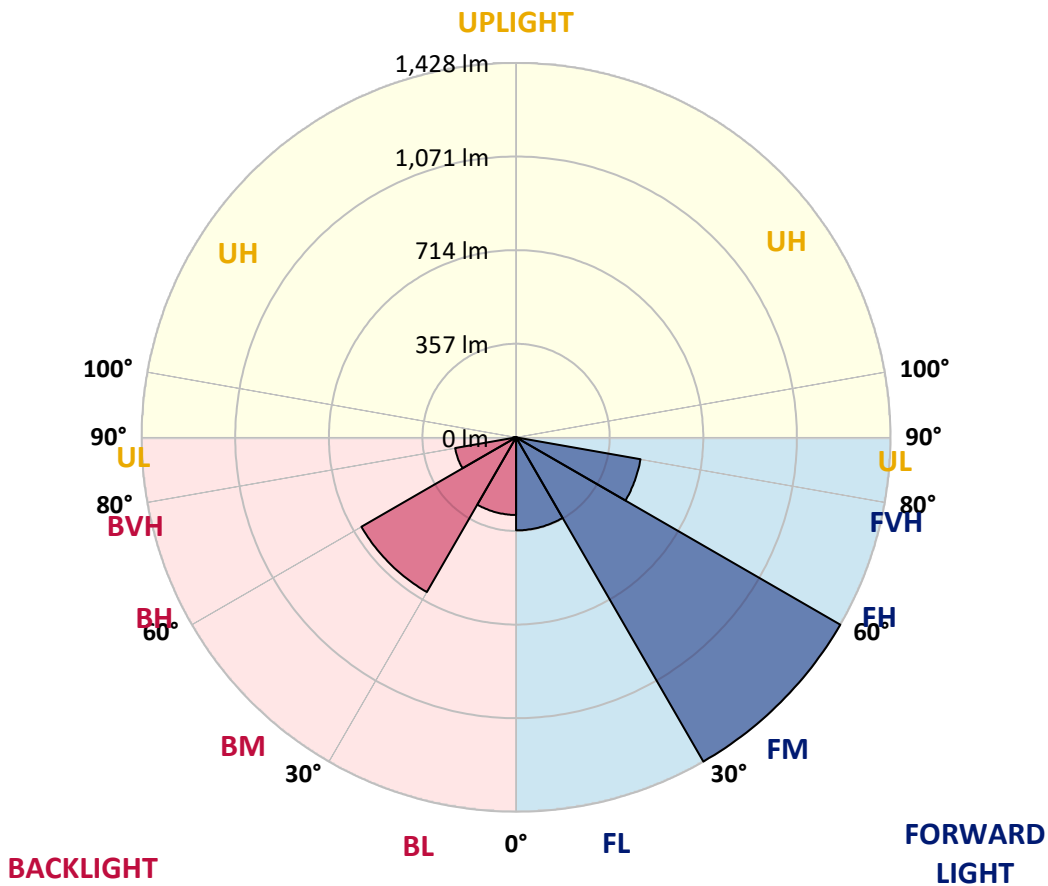
CATALOG NUMBER: GWS-SA1D-722-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	354.8	10.2			
FM (30°-60°)	1428.4	40.9			
FH (60°-80°)	482.1	13.8			G0/660
FVH (80°-90°)	4.3	0.1			G0/10
BL (0°-30°)	296.1	8.5	B1/500		
BM (30°-60°)	681.4	19.5	B1/1000		
BH (60°-80°)	236.1	6.8	B1/500		G1/500
BVH (80°-90°)	11.4	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°	717.9	717.9	717.9	717.9	717.9	717.9	717.9	717.9	717.9	717.9	717.9
2.5°	750.9	756.0	759.2	765.3	776.2	782.3	789.0	781.6	783.5	782.6	770.7
5°	795.4	801.5	809.8	827.7	847.9	859.1	869.7	868.1	858.1	841.5	829.6
7.5°	837.0	844.1	858.5	887.6	917.4	934.7	947.5	939.2	930.8	904.6	874.8
10°	869.7	873.8	893.4	932.4	967.0	986.5	1002.2	1000.3	988.8	959.3	919.3
12.5°	900.4	903.3	924.4	963.5	994.5	1003.2	1016.0	1020.2	1016.3	994.2	954.8
15°	933.4	938.8	958.4	988.1	1002.2	993.3	997.7	1009.3	1020.2	1020.2	984.0
17.5°	964.1	968.9	988.8	1001.6	988.1	964.4	965.7	980.5	1006.4	1033.6	1010.6
20°	991.3	995.8	1015.4	1003.2	960.6	926.0	925.1	943.0	984.9	1042.3	1039.1
22.5°	1021.1	1027.5	1043.9	1004.5	935.0	891.1	890.8	909.4	966.0	1050.9	1071.7
25°	1063.4	1073.3	1081.6	1015.7	921.2	868.4	872.6	890.2	960.0	1065.0	1120.1
27.5°	1126.2	1134.2	1133.5	1039.1	920.6	859.1	867.7	888.2	970.9	1090.0	1171.0
30°	1194.0	1198.2	1191.5	1071.7	935.3	864.9	877.7	902.0	998.4	1131.3	1245.9
32.5°	1269.3	1274.4	1261.6	1120.7	969.6	907.5	935.6	947.5	1037.1	1190.8	1325.3
35°	1355.7	1365.7	1339.1	1185.4	1070.4	1062.8	1103.7	1088.4	1119.4	1261.3	1410.2
37.5°	1446.7	1447.0	1408.9	1281.1	1268.3	1281.4	1363.4	1315.4	1293.9	1339.7	1496.6
40°	1523.8	1521.9	1463.3	1410.2	1440.6	1492.8	1591.7	1518.1	1461.7	1445.1	1568.4
42.5°	1601.0	1594.0	1534.7	1492.1	1559.4	1666.7	1778.4	1688.1	1569.3	1540.8	1639.1
45°	1699.6	1697.4	1626.0	1524.8	1666.7	1861.3	2009.6	1863.3	1633.0	1596.5	1756.9
47.5°	1858.8	1847.9	1715.0	1522.2	1767.2	2120.7	2308.0	2083.9	1677.5	1597.8	1947.1
50°	2014.4	2000.9	1821.3	1521.9	1870.9	2389.7	2660.2	2351.9	1723.0	1605.5	2140.6
52.5°	2171.6	2171.6	1995.8	1558.1	1979.8	2690.0	3067.2	2685.9	1800.5	1706.0	2378.5
55°	2265.1	2290.1	2192.1	1619.3	2107.3	3043.5	3469.7	3046.4	1920.3	1887.6	2598.1
57.5°	2146.3	2193.1	2179.0	1576.7	2182.5	3303.2	3811.0	3319.9	1979.5	1909.0	2565.1
60°	1748.9	1813.9	1846.3	1361.5	2108.2	3333.3	3882.5	3337.8	1857.2	1625.7	2197.2
62.5°	1162.7	1216.1	1265.4	972.8	1825.2	2998.7	3433.8	2999.7	1551.1	1213.2	1522.2
65°	570.3	610.0	663.1	575.1	1425.9	2505.6	2677.2	2423.9	1122.0	679.1	776.5
67.5°	149.2	160.4	167.8	223.2	1021.4	1800.2	1746.1	1773.0	720.8	221.9	203.0
70°	77.5	78.1	77.8	92.2	690.4	1144.1	1203.3	1113.3	503.0	92.9	80.1
72.5°	55.4	55.7	54.8	62.1	333.3	655.5	679.1	671.8	263.5	55.1	54.8
75°	36.2	36.5	35.9	36.5	50.3	74.6	68.8	72.4	43.9	34.9	34.9
77.5°	21.5	21.8	21.5	22.1	21.5	21.5	19.9	19.9	18.9	18.9	19.2
80°	14.4	14.4	14.1	14.7	13.4	13.4	12.8	12.5	11.5	11.2	11.2
82.5°	8.6	9.0	8.6	8.6	8.0	8.0	7.4	7.0	6.1	6.1	5.8
85°	4.5	4.5	4.2	4.2	3.5	3.2	2.6	2.6	1.9	1.6	1.6
87.5°	0.6	0.6	0.3	0.3	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°	717.9	717.9	717.9	717.9	717.9	717.9	717.9	717.9	717.9	717.9	717.9
2.5°	767.5	761.1	751.5	742.2	733.6	724.6	714.4	703.8	694.8	685.6	680.7
5°	814.0	800.8	775.8	753.8	733.9	717.6	700.0	684.9	670.8	659.3	653.5
7.5°	855.9	835.4	797.6	762.7	735.8	713.4	689.1	666.7	647.8	633.7	628.2
10°	894.6	870.3	820.7	776.5	745.1	720.1	690.4	659.9	635.0	616.4	611.9
12.5°	926.0	898.2	838.9	787.7	750.6	723.7	697.4	671.1	646.5	622.5	618.6
15°	953.9	920.9	852.7	794.7	748.6	714.4	692.3	689.1	689.1	661.9	654.2
17.5°	977.9	941.7	863.9	797.9	736.5	686.8	673.4	701.2	732.6	713.1	695.8
20°	1005.4	961.6	873.2	797.9	714.1	651.9	650.7	698.0	744.5	744.8	726.5
22.5°	1033.3	984.6	884.1	795.1	683.3	611.6	635.3	685.2	726.5	744.1	731.7
25°	1078.4	1016.6	901.4	792.8	647.4	584.0	621.5	668.3	703.2	721.7	713.7
27.5°	1135.8	1058.9	927.6	796.3	611.9	567.7	606.8	646.2	677.9	694.2	688.4
30°	1199.8	1107.6	955.8	802.4	586.3	559.4	589.2	620.9	649.0	665.4	662.8
32.5°	1281.4	1160.4	980.1	794.1	571.9	555.2	570.6	593.3	620.6	630.8	633.0
35°	1379.1	1218.7	998.7	761.4	558.8	550.7	550.4	564.5	583.7	600.1	601.7
37.5°	1469.1	1286.9	1019.2	705.4	535.1	539.5	526.7	535.1	553.9	570.3	576.7
40°	1558.1	1356.1	1047.7	634.0	504.0	514.6	499.5	505.3	520.3	541.8	552.0
42.5°	1644.6	1418.5	1077.8	561.0	472.9	479.7	468.5	474.2	489.9	516.8	528.3
45°	1738.7	1503.0	1101.2	492.2	446.0	443.2	434.2	442.5	466.2	495.7	509.4
47.5°	1916.7	1636.2	1116.5	446.4	431.6	410.8	400.6	418.5	445.4	475.2	491.8
50°	2134.1	1829.0	1112.1	417.2	419.1	377.5	374.0	397.7	426.5	457.6	475.8
52.5°	2306.4	2018.2	1061.1	389.4	394.8	356.4	346.1	380.7	408.3	440.0	458.8
55°	2438.0	2082.0	904.9	356.4	355.1	341.0	319.6	363.1	390.0	419.5	440.0
57.5°	2330.8	1940.1	670.8	310.9	303.2	310.6	289.8	333.3	367.6	396.7	415.0
60°	1934.3	1546.9	373.7	275.4	253.6	271.5	268.3	302.0	343.3	374.0	389.7
62.5°	1313.1	1030.1	221.6	217.7	205.6	231.2	248.2	270.3	310.9	335.9	350.6
65°	654.5	500.5	147.3	163.0	164.6	190.2	222.2	246.6	280.5	306.1	320.8
67.5°	189.9	155.6	112.1	124.6	141.8	162.3	188.0	216.8	249.8	280.2	297.5
70°	82.0	82.9	89.0	103.7	120.7	141.8	167.5	195.6	223.5	246.9	260.0
72.5°	58.0	60.2	66.9	82.0	98.0	118.2	143.8	171.0	191.2	214.9	228.6
75°	37.1	38.7	44.2	55.7	67.6	87.1	111.4	136.4	157.2	174.2	187.3
77.5°	20.5	20.8	25.3	32.0	40.0	52.5	70.4	90.0	105.3	115.0	126.8
80°	11.8	11.8	14.1	18.3	23.1	30.7	40.7	50.3	59.6	65.6	71.4
82.5°	6.4	6.4	7.4	9.9	12.5	17.0	22.7	27.5	33.3	36.5	40.3
85°	1.9	1.9	2.6	3.5	4.5	6.4	9.0	11.5	14.1	16.3	18.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	717.9	717.9	717.9	717.9	717.9	717.9	717.9	717.9	717.9	717.9	717.9
2.5°	679.8	675.3	672.7	669.5	670.5	667.6	666.0	667.0	661.2	667.0	672.7
5°	651.3	644.9	639.8	635.6	633.7	629.8	627.6	627.6	624.1	629.8	636.9
7.5°	626.3	621.2	618.6	616.1	613.2	609.7	605.8	604.5	602.3	608.4	614.5
10°	609.7	610.3	611.9	615.4	614.8	612.5	606.8	603.6	603.6	610.6	619.9
12.5°	617.3	624.1	627.9	634.3	635.6	633.7	627.9	625.4	631.8	642.3	657.7
15°	647.1	651.6	654.8	659.9	659.6	658.0	653.5	655.5	676.6	697.1	710.8
17.5°	679.5	674.3	673.7	676.9	677.9	675.9	673.4	682.0	716.9	736.1	743.2
20°	702.8	685.2	681.4	682.7	685.2	684.3	684.3	698.4	734.5	743.5	734.5
22.5°	709.9	684.9	679.1	679.5	683.0	683.3	684.9	699.6	720.8	721.1	707.3
25°	698.7	674.7	670.5	671.1	675.3	675.0	675.6	684.0	693.2	689.4	679.1
27.5°	677.5	656.7	655.5	659.0	664.4	661.5	659.6	661.9	666.3	661.5	652.6
30°	653.5	635.9	636.6	643.3	649.0	644.2	639.4	640.7	641.0	635.9	625.7
32.5°	628.2	615.1	617.3	624.4	631.1	626.0	620.9	620.2	614.1	608.1	598.1
35°	602.9	597.8	600.7	606.5	612.2	608.1	604.9	602.9	589.8	580.8	572.5
37.5°	579.9	583.7	588.9	592.4	594.3	594.0	592.1	587.6	570.3	559.7	548.8
40°	559.4	571.2	576.7	578.3	581.2	580.5	580.2	573.8	551.1	539.9	527.4
42.5°	540.8	557.5	566.8	568.4	570.0	570.3	569.3	560.0	534.1	521.0	509.1
45°	522.9	544.7	556.5	554.9	557.2	557.2	558.1	545.9	517.4	504.0	491.5
47.5°	507.2	532.8	543.7	541.8	543.1	544.0	545.0	530.9	499.2	486.4	473.6
50°	492.8	520.0	529.3	529.9	529.9	532.2	531.9	518.1	483.8	470.1	457.2
52.5°	477.4	506.9	516.8	521.0	522.2	523.2	518.7	502.7	468.1	451.5	439.6
55°	459.5	493.4	502.4	507.8	510.4	509.8	503.7	487.3	452.1	435.5	422.0
57.5°	432.3	464.6	477.4	480.0	484.1	481.6	474.5	460.8	426.5	409.9	396.1
60°	402.5	425.9	436.1	438.4	435.2	436.1	435.2	422.0	392.2	379.1	365.0
62.5°	363.4	384.2	395.1	398.0	392.6	396.1	394.8	378.5	348.7	334.9	322.4
65°	334.0	356.7	369.5	371.1	369.5	371.1	366.6	346.8	318.6	304.5	291.7
67.5°	310.9	334.3	347.7	352.2	350.6	350.3	343.3	320.2	291.1	275.7	259.4
70°	271.2	291.7	309.0	319.9	319.9	313.8	300.3	278.9	255.5	242.4	229.6
72.5°	240.2	266.1	283.1	294.3	296.5	293.0	274.1	251.4	224.5	211.3	197.9
75°	197.9	223.2	241.4	256.2	259.0	255.2	233.4	211.0	186.0	173.2	159.8
77.5°	132.2	147.3	162.0	175.5	172.6	175.2	160.4	143.5	128.1	118.5	112.4
80°	74.6	84.5	89.0	96.4	96.4	96.4	86.8	78.8	70.1	64.7	58.6
82.5°	42.3	48.7	50.6	56.7	58.3	58.6	52.2	47.1	41.6	38.7	34.6
85°	19.5	23.1	23.4	26.9	28.2	30.7	27.9	24.3	21.1	19.9	17.3
87.5°	0.6	1.9	2.6	4.8	6.4	7.4	8.0	8.0	6.7	6.1	5.1
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-722-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	717.9	717.9	717.9	717.9	717.9	717.9	717.9	717.9	717.9	717.9
2.5°	679.8	687.5	696.4	702.8	714.4	724.0	733.9	744.8	752.8	750.9
5°	645.5	658.3	674.7	689.7	711.2	732.9	757.0	781.6	796.0	795.4
7.5°	626.3	644.6	664.4	684.6	709.9	741.3	778.1	816.5	836.0	837.0
10°	636.6	656.1	669.5	686.5	713.1	752.5	796.7	842.8	865.2	869.7
12.5°	668.9	667.3	666.3	678.5	710.5	760.5	814.6	869.7	895.0	900.4
15°	699.6	666.7	646.8	655.1	699.0	765.6	832.2	899.1	927.6	933.4
17.5°	705.4	655.5	618.6	624.4	680.7	767.2	849.2	927.9	958.7	964.1
20°	689.4	641.0	598.1	590.1	657.7	763.0	859.7	952.0	985.6	991.3
22.5°	669.2	628.2	582.8	562.0	629.5	758.9	871.6	977.3	1016.0	1021.1
25°	648.1	611.9	568.4	536.7	597.5	756.3	891.4	1010.6	1057.3	1063.4
27.5°	625.7	592.1	555.9	524.5	568.0	759.5	919.6	1064.4	1117.5	1126.2
30°	601.7	572.2	547.9	520.3	547.9	762.4	950.7	1119.4	1181.9	1194.0
32.5°	576.7	553.9	539.5	522.2	535.4	755.7	977.9	1181.2	1258.7	1269.3
35°	551.7	535.4	529.0	525.8	518.7	731.0	1000.0	1243.7	1346.5	1355.7
37.5°	528.3	516.2	514.2	517.8	493.1	690.7	1025.6	1323.1	1432.6	1446.7
40°	506.6	495.4	495.0	494.4	464.9	635.6	1060.2	1403.8	1517.4	1523.8
42.5°	486.4	472.3	474.9	467.2	441.9	576.0	1092.9	1472.6	1596.5	1601.0
45°	468.5	449.9	452.8	443.2	431.0	513.6	1121.7	1553.9	1696.8	1699.6
47.5°	451.2	431.3	423.3	422.7	429.1	456.0	1149.8	1710.5	1853.7	1858.8
50°	435.2	413.7	391.0	405.1	417.2	412.7	1185.1	1878.3	2015.7	2014.4
52.5°	419.8	391.6	359.3	386.5	386.5	380.7	1175.1	1980.1	2149.5	2171.6
55°	402.2	356.1	326.3	355.4	341.3	351.9	999.4	2013.4	2233.7	2265.1
57.5°	367.3	312.2	286.3	302.0	280.8	326.3	717.9	1848.2	2090.6	2146.3
60°	333.7	279.9	262.9	260.0	232.5	266.1	465.3	1447.0	1720.8	1748.9
62.5°	294.3	252.0	237.6	215.5	187.0	193.7	281.8	952.3	1156.3	1162.7
65°	264.5	228.3	200.8	174.5	153.1	140.6	166.5	459.2	578.0	570.3
67.5°	227.0	195.6	169.4	150.5	132.9	117.2	110.8	136.4	154.3	149.2
70°	202.0	171.9	146.7	128.7	112.4	96.7	85.5	80.4	78.8	77.5
72.5°	174.2	147.9	121.7	104.4	89.0	74.6	64.4	58.3	56.7	55.4
75°	139.0	114.3	90.3	74.0	60.5	50.3	43.5	38.4	37.5	36.2
77.5°	91.9	73.3	53.8	43.9	35.9	30.4	25.9	22.7	22.1	21.5
80°	50.6	42.3	33.0	26.6	21.5	18.6	17.0	15.0	14.7	14.4
82.5°	30.1	25.3	18.9	15.0	12.5	11.2	10.2	9.3	9.0	8.6
85°	15.0	11.8	8.3	7.0	6.4	5.8	5.8	4.8	4.5	4.5
87.5°	3.8	3.2	1.9	1.6	1.6	1.6	1.3	1.0	1.0	0.6
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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