

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: P630619

Luminaire Tested: GWS-SA1E-722-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630619
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-SA1E-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: 4367 lumens
Efficiency: N/A
Efficacy: 74.8 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

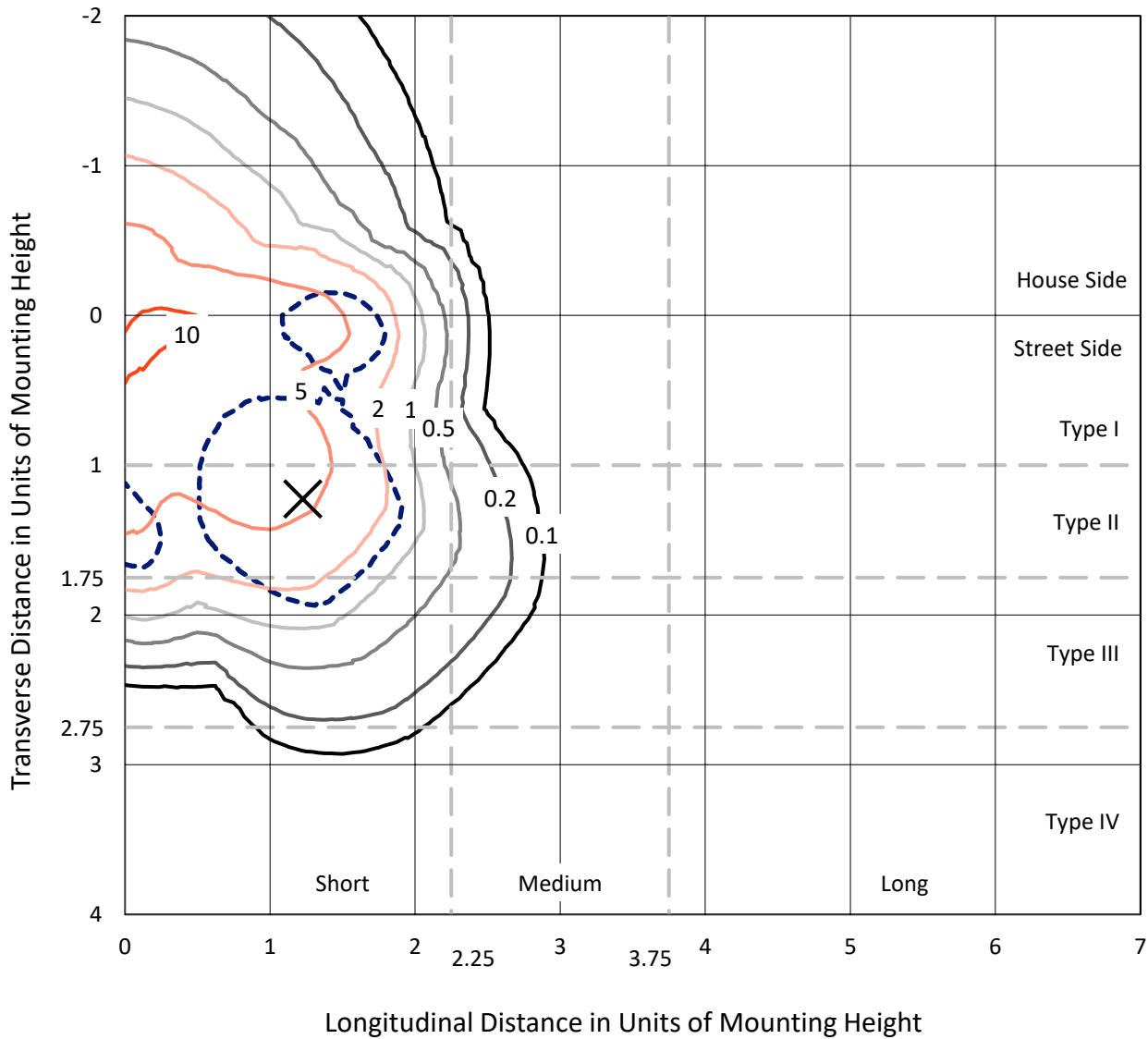
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

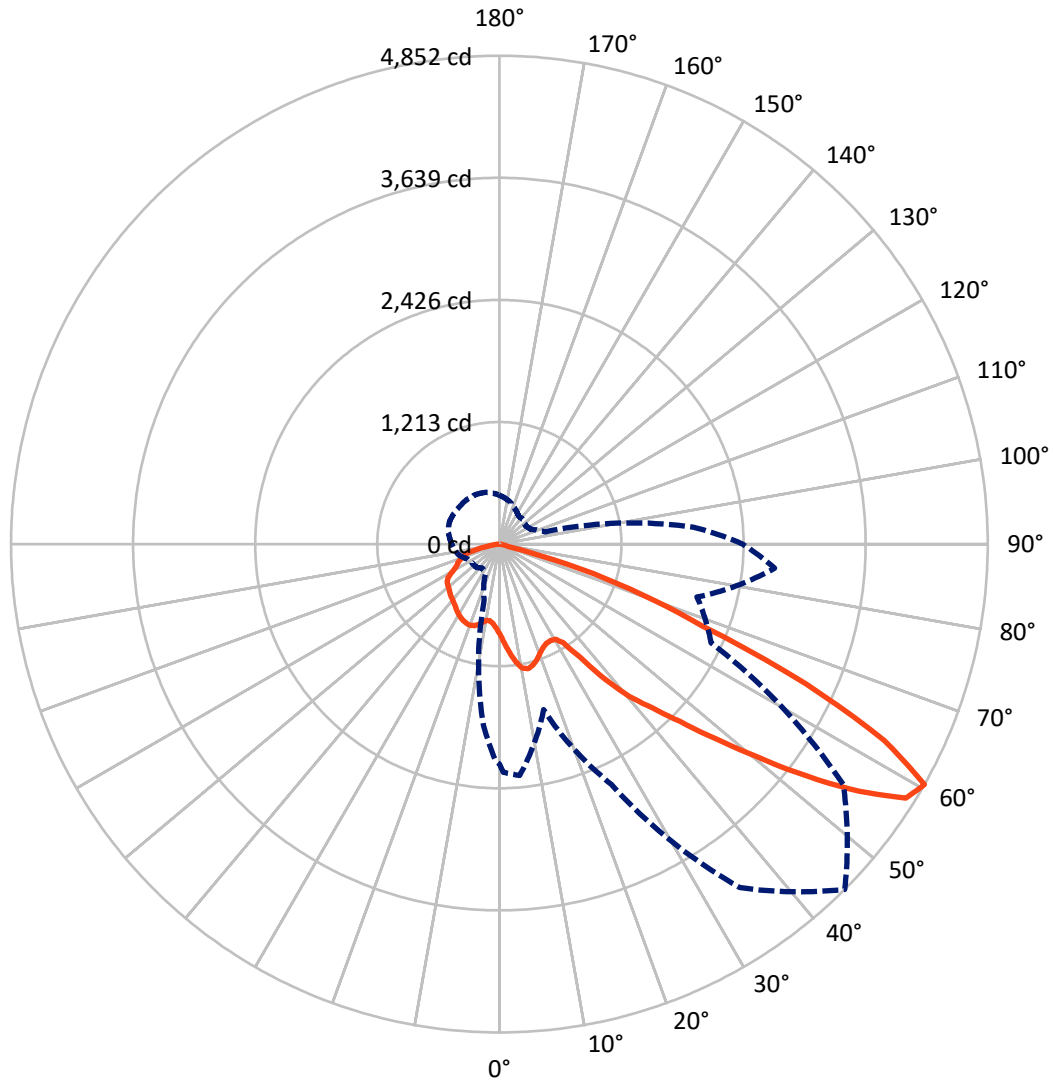
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12 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	1530.8	0.0	1530.8
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	2836.2	0.0	2836.2
	% Fixture	64.9	0.0	64.9
Total	Lumens	4367.0	0.0	4367.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.5	2.0
10°-20°	276.6	6.3
20°-30°	449.3	10.3
30°-40°	633.6	14.5
40°-50°	875.6	20.1
50°-60°	1127.2	25.8
60°-70°	714.2	16.4
70°-80°	183.3	4.2
80°-90°	19.6	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°	4367.0	100.0
0°-180°	4367.0	100.0

Coefficient of Utilization



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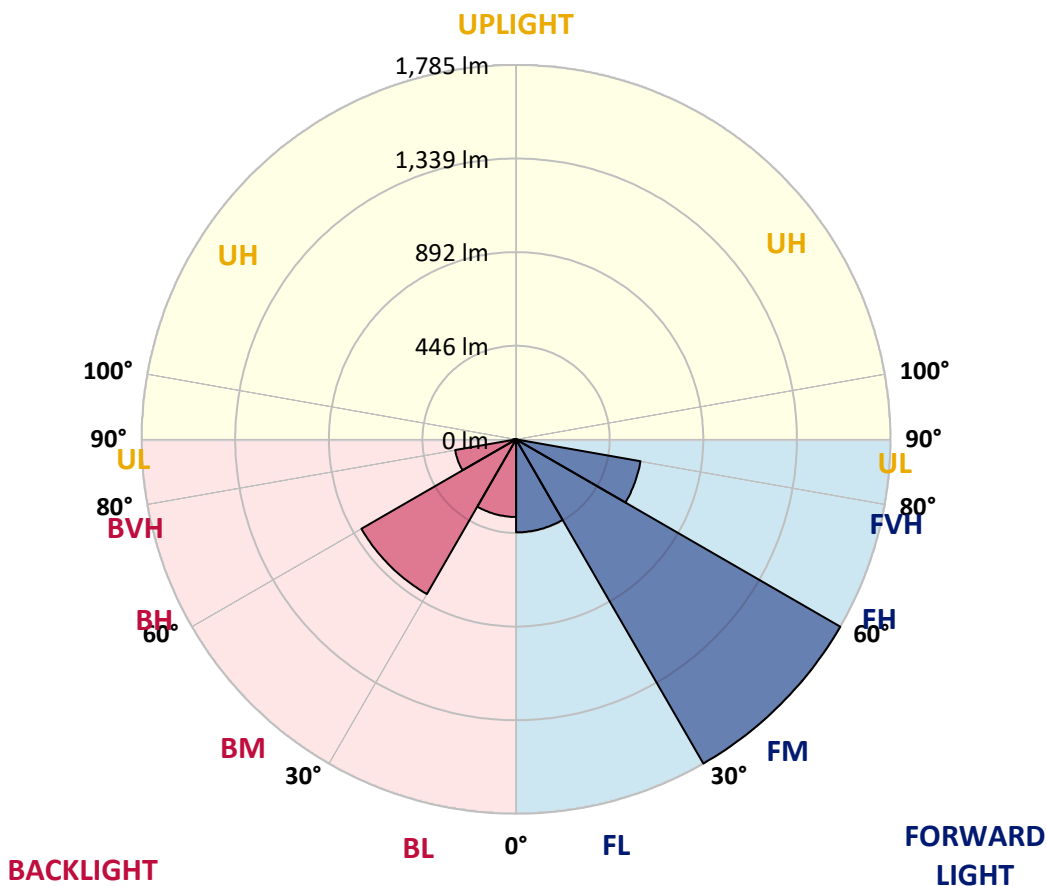
CATALOG NUMBER: GWS-SA1E-722-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	443.4	10.2			
FM (30°-60°)	1785.0	40.9			
FH (60°-80°)	602.5	13.8			G0/660
FVH (80°-90°)	5.3	0.1			G0/10
BL (0°-30°)	370.0	8.5	B1/500		
BM (30°-60°)	851.5	19.5	B1/1000		
BH (60°-80°)	295.0	6.8	B1/500		G1/500
BVH (80°-90°)	14.3	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°	897.1	897.1	897.1	897.1	897.1	897.1	897.1	897.1	897.1	897.1	897.1
2.5°	938.3	944.7	948.7	956.3	969.9	977.5	985.9	976.7	979.1	977.9	963.1
5°	993.9	1001.5	1011.9	1034.4	1059.6	1073.6	1086.8	1084.8	1072.4	1051.6	1036.8
7.5°	1046.0	1054.8	1072.8	1109.2	1146.4	1168.0	1184.0	1173.6	1163.2	1130.4	1093.2
10°	1086.8	1092.0	1116.4	1165.2	1208.4	1232.8	1252.4	1250.0	1235.6	1198.8	1148.8
12.5°	1125.2	1128.8	1155.2	1204.0	1242.8	1253.6	1269.6	1274.8	1270.0	1242.4	1193.2
15°	1166.4	1173.2	1197.6	1234.8	1252.4	1241.2	1246.8	1261.2	1274.8	1274.8	1229.6
17.5°	1204.8	1210.8	1235.6	1251.6	1234.8	1205.2	1206.8	1225.2	1257.6	1291.6	1262.8
20°	1238.8	1244.4	1268.8	1253.6	1200.4	1157.2	1156.0	1178.4	1230.8	1302.4	1298.4
22.5°	1276.0	1284.0	1304.5	1255.2	1168.4	1113.6	1113.2	1136.4	1207.2	1313.3	1339.3
25°	1328.9	1341.3	1351.7	1269.2	1151.2	1085.2	1090.4	1112.4	1199.6	1330.9	1399.7
27.5°	1407.3	1417.3	1416.5	1298.4	1150.4	1073.6	1084.4	1110.0	1213.2	1362.1	1463.3
30°	1492.1	1497.3	1488.9	1339.3	1168.8	1080.8	1096.8	1127.2	1247.6	1413.7	1556.9
32.5°	1586.1	1592.5	1576.5	1400.5	1211.6	1134.0	1169.2	1184.0	1296.0	1488.1	1656.2
35°	1694.2	1706.6	1673.4	1481.3	1337.7	1328.1	1379.3	1360.1	1398.9	1576.1	1762.2
37.5°	1807.8	1808.2	1760.6	1601.0	1584.9	1601.4	1703.8	1643.8	1617.0	1674.2	1870.2
40°	1904.3	1901.9	1828.6	1762.2	1800.2	1865.4	1989.1	1897.1	1826.6	1805.8	1959.9
42.5°	2000.7	1991.9	1917.9	1864.6	1948.7	2082.7	2222.4	2109.5	1961.1	1925.5	2048.3
45°	2123.9	2121.1	2031.9	1905.5	2082.7	2326.0	2511.3	2328.4	2040.7	1995.1	2195.6
47.5°	2322.8	2309.2	2143.1	1902.3	2208.4	2650.1	2884.2	2604.1	2096.3	1996.7	2433.2
50°	2517.3	2500.5	2276.0	1901.9	2338.0	2986.2	3324.3	2939.0	2153.1	2006.3	2674.9
52.5°	2713.7	2713.7	2494.1	1947.1	2474.1	3361.6	3832.9	3356.4	2250.0	2131.9	2972.2
55°	2830.6	2861.8	2739.3	2023.5	2633.3	3803.3	4335.9	3806.9	2399.6	2358.8	3246.7
57.5°	2682.1	2740.5	2722.9	1970.3	2727.3	4127.8	4762.4	4148.6	2473.7	2385.6	3205.5
60°	2185.6	2266.8	2307.2	1701.4	2634.5	4165.4	4851.7	4171.0	2320.8	2031.5	2745.7
62.5°	1452.9	1519.7	1581.3	1215.6	2280.8	3747.3	4291.1	3748.5	1938.3	1516.1	1902.3
65°	712.6	762.3	828.7	718.6	1781.8	3131.1	3345.6	3029.0	1402.1	848.7	970.3
67.5°	186.5	200.5	209.7	278.9	1276.4	2249.6	2182.0	2215.6	900.7	277.3	253.7
70°	96.8	97.6	97.2	115.2	862.7	1429.7	1503.7	1391.3	628.6	116.0	100.0
72.5°	69.2	69.6	68.4	77.6	416.5	819.1	848.7	839.5	329.3	68.8	68.4
75°	45.2	45.6	44.8	45.6	62.8	93.2	86.0	90.4	54.8	43.6	43.6
77.5°	26.8	27.2	26.8	27.6	26.8	26.8	24.8	24.8	23.6	23.6	24.0
80°	18.0	18.0	17.6	18.4	16.8	16.8	16.0	15.6	14.4	14.0	14.0
82.5°	10.8	11.2	10.8	10.8	10.0	10.0	9.2	8.8	7.6	7.6	7.2
85°	5.6	5.6	5.2	5.2	4.4	4.0	3.2	3.2	2.4	2.0	2.0
87.5°	0.8	0.8	0.4	0.4	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°	897.1	897.1	897.1	897.1	897.1	897.1	897.1	897.1	897.1	897.1	897.1
2.5°	959.1	951.1	939.1	927.5	916.7	905.5	892.7	879.5	868.3	856.7	850.7
5°	1017.2	1000.7	969.5	941.9	917.1	896.7	874.7	855.9	838.3	823.9	816.7
7.5°	1069.6	1044.0	996.7	953.1	919.5	891.5	861.1	833.1	809.5	791.9	785.1
10°	1118.0	1087.6	1025.6	970.3	931.1	899.9	862.7	824.7	793.5	770.3	764.7
12.5°	1157.2	1122.4	1048.4	984.3	937.9	904.3	871.5	838.7	807.9	777.9	773.1
15°	1192.0	1150.8	1065.6	993.1	935.5	892.7	865.1	861.1	861.1	827.1	817.5
17.5°	1222.0	1176.8	1079.6	997.1	920.3	858.3	841.5	876.3	915.5	891.1	869.5
20°	1256.4	1201.6	1091.2	997.1	892.3	814.7	813.1	872.3	930.3	930.7	907.9
22.5°	1291.2	1230.4	1104.8	993.5	853.9	764.3	793.9	856.3	907.9	929.9	914.3
25°	1347.7	1270.4	1126.4	990.7	809.1	729.9	776.7	835.1	878.7	901.9	891.9
27.5°	1419.3	1323.3	1159.2	995.1	764.7	709.4	758.3	807.5	847.1	867.5	860.3
30°	1499.3	1384.1	1194.4	1002.7	732.7	699.0	736.3	775.9	811.1	831.5	828.3
32.5°	1601.4	1450.1	1224.8	992.3	714.6	693.8	713.0	741.5	775.5	788.3	791.1
35°	1723.4	1522.9	1248.0	951.5	698.2	688.2	687.8	705.4	729.5	749.9	751.9
37.5°	1835.8	1608.2	1273.6	881.5	668.6	674.2	658.2	668.6	692.2	712.6	720.6
40°	1947.1	1694.6	1309.3	792.3	629.8	643.0	624.2	631.4	650.2	677.0	689.8
42.5°	2055.1	1772.6	1346.9	701.0	591.0	599.4	585.4	592.6	612.2	645.8	660.2
45°	2172.8	1878.2	1376.1	615.0	557.4	553.8	542.6	553.0	582.6	619.4	636.6
47.5°	2395.2	2044.7	1395.3	557.8	539.4	513.4	500.6	523.0	556.6	593.8	614.6
50°	2666.9	2285.6	1389.7	521.4	523.8	471.8	467.4	497.0	533.0	571.8	594.6
52.5°	2882.2	2522.1	1326.1	486.6	493.4	445.4	432.5	475.8	510.2	549.8	573.4
55°	3046.7	2601.7	1130.8	445.4	443.8	426.1	399.3	453.8	487.4	524.2	549.8
57.5°	2912.6	2424.4	838.3	388.5	378.9	388.1	362.1	416.5	459.4	495.8	518.6
60°	2417.2	1933.1	467.0	344.1	316.9	339.3	335.3	377.3	428.9	467.4	487.0
62.5°	1641.0	1287.2	276.9	272.1	256.9	288.9	310.1	337.7	388.5	419.7	438.2
65°	817.9	625.4	184.1	203.7	205.7	237.7	277.7	308.1	350.5	382.5	400.9
67.5°	237.3	194.5	140.0	155.7	177.3	202.9	234.9	270.9	312.1	350.1	371.7
70°	102.4	103.6	111.2	129.6	150.9	177.3	209.3	244.5	279.3	308.5	324.9
72.5°	72.4	75.2	83.6	102.4	122.4	147.7	179.7	213.7	238.9	268.5	285.7
75°	46.4	48.4	55.2	69.6	84.4	108.8	139.2	170.5	196.5	217.7	234.1
77.5°	25.6	26.0	31.6	40.0	50.0	65.6	88.0	112.4	131.6	143.6	158.5
80°	14.8	14.8	17.6	22.8	28.8	38.4	50.8	62.8	74.4	82.0	89.2
82.5°	8.0	8.0	9.2	12.4	15.6	21.2	28.4	34.4	41.6	45.6	50.4
85°	2.4	2.4	3.2	4.4	5.6	8.0	11.2	14.4	17.6	20.4	23.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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°	897.1	897.1	897.1	897.1	897.1	897.1	897.1	897.1	897.1	897.1	897.1
2.5°	849.5	843.9	840.7	836.7	837.9	834.3	832.3	833.5	826.3	833.5	840.7
5°	813.9	805.9	799.5	794.3	791.9	787.1	784.3	784.3	779.9	787.1	795.9
7.5°	782.7	776.3	773.1	769.9	766.3	761.9	757.1	755.5	752.7	760.3	767.9
10°	761.9	762.7	764.7	769.1	768.3	765.5	758.3	754.3	754.3	763.1	774.7
12.5°	771.5	779.9	784.7	792.7	794.3	791.9	784.7	781.5	789.5	802.7	821.9
15°	808.7	814.3	818.3	824.7	824.3	822.3	816.7	819.1	845.5	871.1	888.3
17.5°	849.1	842.7	841.9	845.9	847.1	844.7	841.5	852.3	895.9	919.9	928.7
20°	878.3	856.3	851.5	853.1	856.3	855.1	855.1	872.7	917.9	929.1	917.9
22.5°	887.1	855.9	848.7	849.1	853.5	853.9	855.9	874.3	900.7	901.1	883.9
25°	873.1	843.1	837.9	838.7	843.9	843.5	844.3	854.7	866.3	861.5	848.7
27.5°	846.7	820.7	819.1	823.5	830.3	826.7	824.3	827.1	832.7	826.7	815.5
30°	816.7	794.7	795.5	803.9	811.1	805.1	799.1	800.7	801.1	794.7	781.9
32.5°	785.1	768.7	771.5	780.3	788.7	782.3	775.9	775.1	767.5	759.9	747.5
35°	753.5	747.1	750.7	757.9	765.1	759.9	755.9	753.5	737.1	725.9	715.4
37.5°	724.7	729.5	735.9	740.3	742.7	742.3	739.9	734.3	712.6	699.4	685.8
40°	699.0	713.8	720.6	722.6	726.3	725.5	725.1	717.0	688.6	674.6	659.0
42.5°	675.8	696.6	708.2	710.2	712.2	712.6	711.4	699.8	667.4	651.0	636.2
45°	653.4	680.6	695.4	693.4	696.2	696.2	697.4	682.2	646.6	629.8	614.2
47.5°	633.8	665.8	679.4	677.0	678.6	679.8	681.0	663.4	623.8	607.8	591.8
50°	615.8	649.8	661.4	662.2	662.2	665.0	664.6	647.4	604.6	587.4	571.4
52.5°	596.6	633.4	645.8	651.0	652.6	653.8	648.2	628.2	585.0	564.2	549.4
55°	574.2	616.6	627.8	634.6	637.8	637.0	629.4	609.0	565.0	544.2	527.4
57.5°	540.2	580.6	596.6	599.8	605.0	601.8	593.0	575.8	533.0	512.2	495.0
60°	503.0	532.2	545.0	547.8	543.8	545.0	543.8	527.4	490.2	473.8	456.2
62.5°	454.2	480.2	493.8	497.4	490.6	495.0	493.4	473.0	435.8	418.5	402.9
65°	417.3	445.8	461.8	463.8	461.8	463.8	458.2	433.3	398.1	380.5	364.5
67.5°	388.5	417.7	434.6	440.2	438.2	437.8	428.9	400.1	363.7	344.5	324.1
70°	338.9	364.5	386.1	399.7	399.7	392.1	375.3	348.5	319.3	302.9	286.9
72.5°	300.1	332.5	353.7	367.7	370.5	366.1	342.5	314.1	280.5	264.1	247.3
75°	247.3	278.9	301.7	320.1	323.7	318.9	291.7	263.7	232.5	216.5	199.7
77.5°	165.3	184.1	202.5	219.3	215.7	218.9	200.5	179.3	160.1	148.1	140.4
80°	93.2	105.6	111.2	120.4	120.4	120.4	108.4	98.4	87.6	80.8	73.2
82.5°	52.8	60.8	63.2	70.8	72.8	73.2	65.2	58.8	52.0	48.4	43.2
85°	24.4	28.8	29.2	33.6	35.2	38.4	34.8	30.4	26.4	24.8	21.6
87.5°	0.8	2.4	3.2	6.0	8.0	9.2	10.0	10.0	8.4	7.6	6.4
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-SA1E-722-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	897.1	897.1	897.1	897.1	897.1	897.1	897.1	897.1	897.1	897.1
2.5°	849.5	859.1	870.3	878.3	892.7	904.7	917.1	930.7	940.7	938.3
5°	806.7	822.7	843.1	861.9	888.7	915.9	945.9	976.7	994.7	993.9
7.5°	782.7	805.5	830.3	855.5	887.1	926.3	972.3	1020.4	1044.8	1046.0
10°	795.5	819.9	836.7	857.9	891.1	940.3	995.5	1053.2	1081.2	1086.8
12.5°	835.9	833.9	832.7	847.9	887.9	950.3	1018.0	1086.8	1118.4	1125.2
15°	874.3	833.1	808.3	818.7	873.5	956.7	1040.0	1123.6	1159.2	1166.4
17.5°	881.5	819.1	773.1	780.3	850.7	958.7	1061.2	1159.6	1198.0	1204.8
20°	861.5	801.1	747.5	737.5	821.9	953.5	1074.4	1189.6	1231.6	1238.8
22.5°	836.3	785.1	728.3	702.2	786.7	948.3	1089.2	1221.2	1269.6	1276.0
25°	809.9	764.7	710.2	670.6	746.7	945.1	1114.0	1262.8	1321.3	1328.9
27.5°	781.9	739.9	694.6	655.4	709.8	949.1	1149.2	1330.1	1396.5	1407.3
30°	751.9	715.0	684.6	650.2	684.6	952.7	1188.0	1398.9	1476.9	1492.1
32.5°	720.6	692.2	674.2	652.6	669.0	944.3	1222.0	1476.1	1572.9	1586.1
35°	689.4	669.0	661.0	657.0	648.2	913.5	1249.6	1554.1	1682.6	1694.2
37.5°	660.2	645.0	642.6	647.0	616.2	863.1	1281.6	1653.4	1790.2	1807.8
40°	633.0	619.0	618.6	617.8	581.0	794.3	1324.9	1754.2	1896.3	1904.3
42.5°	607.8	590.2	593.4	583.8	552.2	719.8	1365.7	1840.2	1995.1	2000.7
45°	585.4	562.2	565.8	553.8	538.6	641.8	1401.7	1941.9	2120.3	2123.9
47.5°	563.8	539.0	529.0	528.2	536.2	569.8	1436.9	2137.5	2316.4	2322.8
50°	543.8	517.0	488.6	506.2	521.4	515.8	1480.9	2347.2	2518.9	2517.3
52.5°	524.6	489.4	449.0	483.0	483.0	475.8	1468.5	2474.5	2686.1	2713.7
55°	502.6	445.0	407.7	444.2	426.5	439.8	1248.8	2516.1	2791.4	2830.6
57.5°	459.0	390.1	357.7	377.3	350.9	407.7	897.1	2309.6	2612.5	2682.1
60°	416.9	349.7	328.5	324.9	290.5	332.5	581.4	1808.2	2150.3	2185.6
62.5°	367.7	314.9	296.9	269.3	233.7	242.1	352.1	1190.0	1444.9	1452.9
65°	330.5	285.3	250.9	218.1	191.3	175.7	208.1	573.8	722.2	712.6
67.5°	283.7	244.5	211.7	188.1	166.1	146.5	138.4	170.5	192.9	186.5
70°	252.5	214.9	183.3	160.9	140.4	120.8	106.8	100.4	98.4	96.8
72.5°	217.7	184.9	152.1	130.4	111.2	93.2	80.4	72.8	70.8	69.2
75°	173.7	142.8	112.8	92.4	75.6	62.8	54.4	48.0	46.8	45.2
77.5°	114.8	91.6	67.2	54.8	44.8	38.0	32.4	28.4	27.6	26.8
80°	63.2	52.8	41.2	33.2	26.8	23.2	21.2	18.8	18.4	18.0
82.5°	37.6	31.6	23.6	18.8	15.6	14.0	12.8	11.6	11.2	10.8
85°	18.8	14.8	10.4	8.8	8.0	7.2	7.2	6.0	5.6	5.6
87.5°	4.8	4.0	2.4	2.0	2.0	2.0	1.6	1.2	1.2	0.8
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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