

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: P629851

Luminaire Tested: GWS-SA1C-740-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629851
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-SA1C-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3760.6 lumens
Efficiency: N/A
Efficacy: 110.3 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

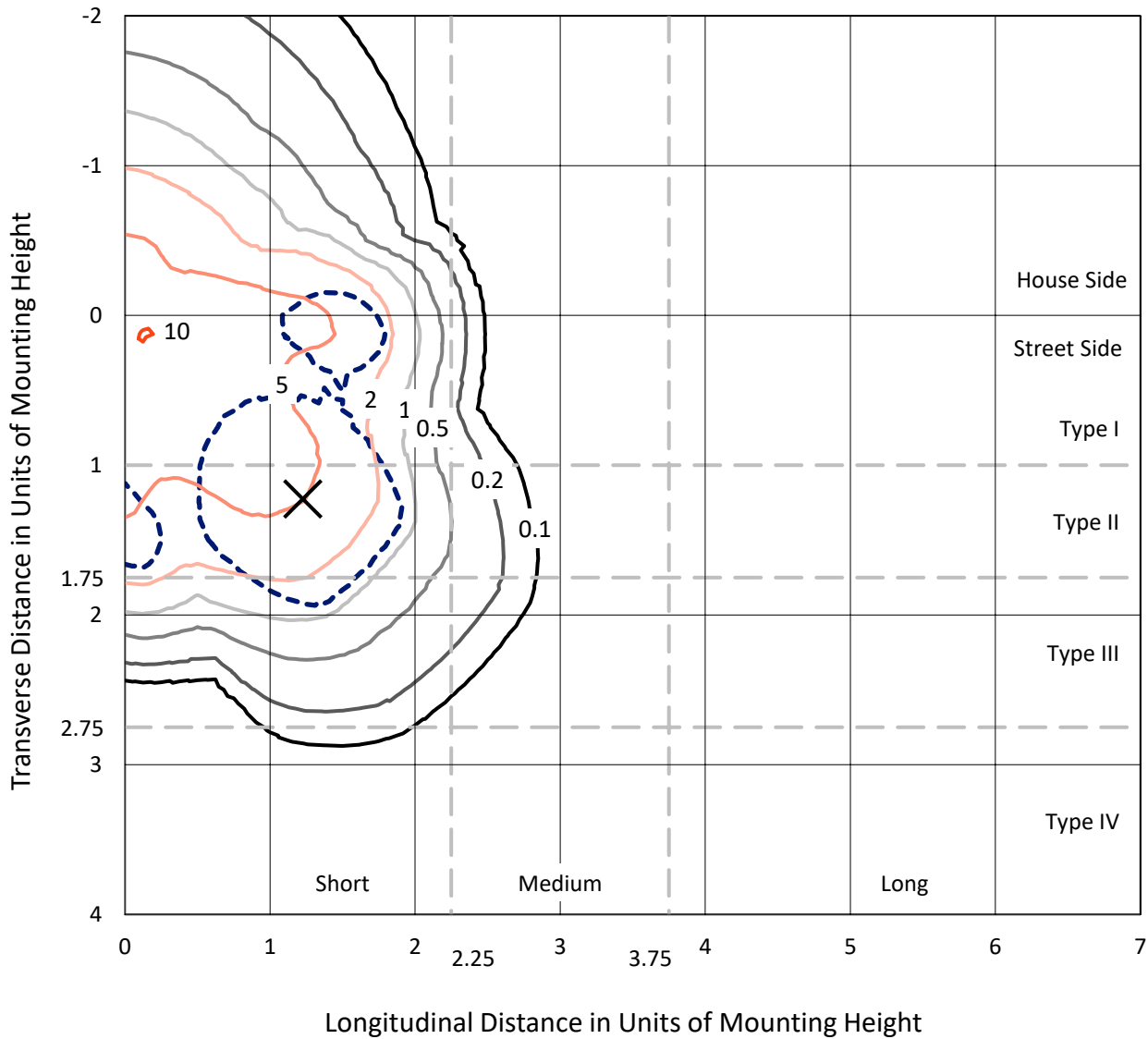
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

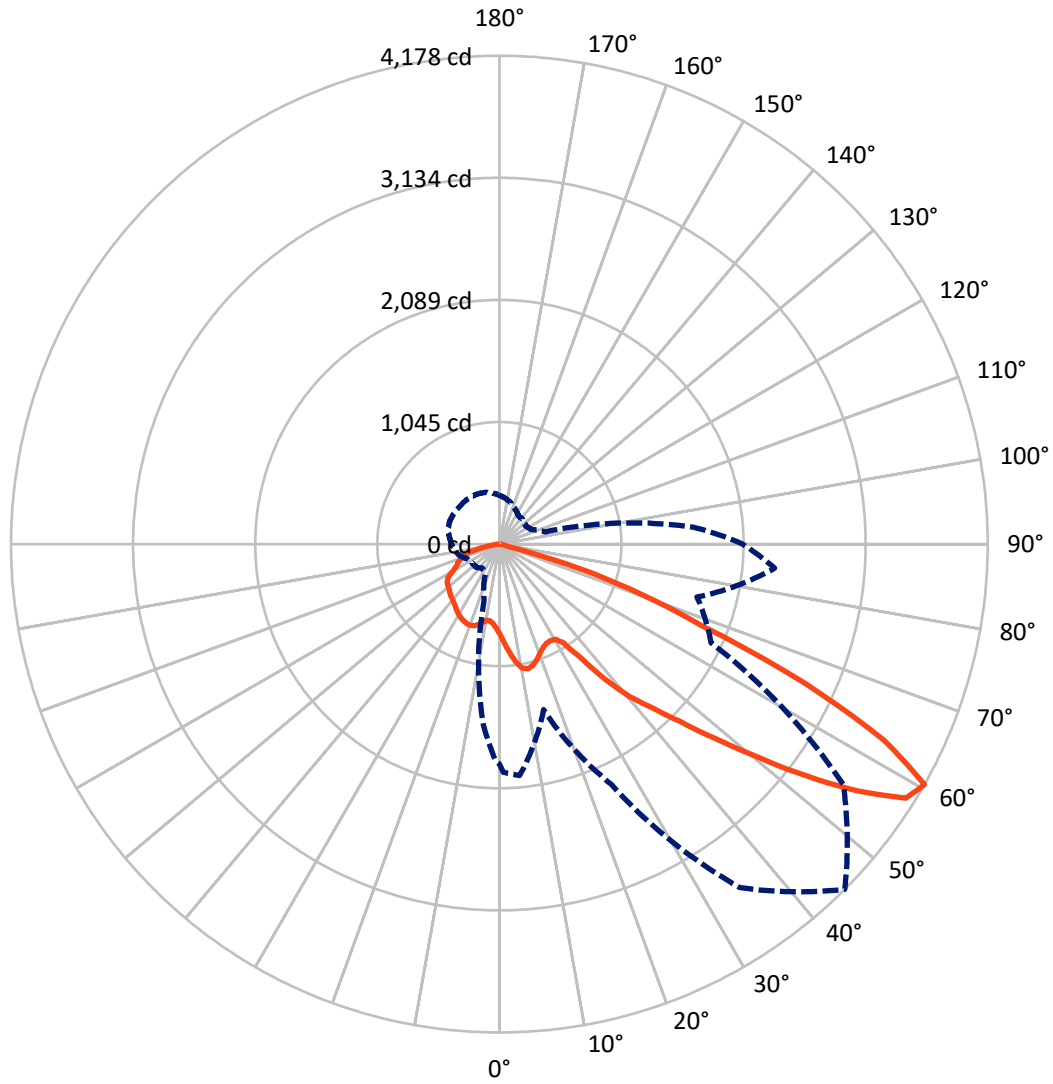
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.3 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	1318.2	0.0	1318.2
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	2442.4	0.0	2442.4
	% Fixture	64.9	0.0	64.9
Total	Lumens	3760.6	0.0	3760.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.4	2.0
10°-20°	238.2	6.3
20°-30°	386.9	10.3
30°-40°	545.6	14.5
40°-50°	754.1	20.1
50°-60°	970.7	25.8
60°-70°	615.0	16.4
70°-80°	157.8	4.2
80°-90°	16.9	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°	3760.6	100.0
0°-180°	3760.6	100.0

Coefficient of Utilization



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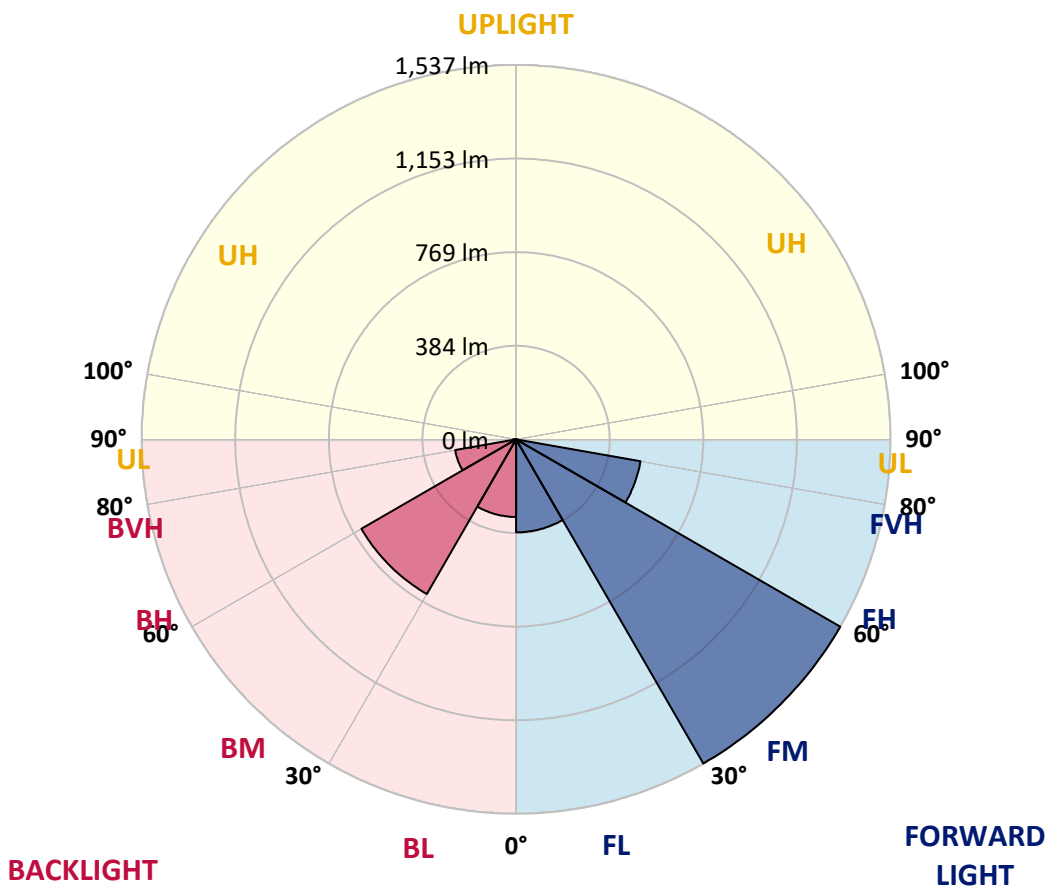
CATALOG NUMBER: GWS-SA1C-740-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	381.8	10.2			
FM (30°-60°)	1537.1	40.9			
FH (60°-80°)	518.8	13.8			G0/660
FVH (80°-90°)	4.6	0.1			G0/10
BL (0°-30°)	318.6	8.5	B1/500		
BM (30°-60°)	733.3	19.5	B1/1000		
BH (60°-80°)	254.0	6.8	B1/500		G1/500
BVH (80°-90°)	12.3	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°	772.5	772.5	772.5	772.5	772.5	772.5	772.5	772.5	772.5	772.5	772.5
2.5°	808.0	813.5	817.0	823.5	835.3	841.8	849.0	841.1	843.2	842.1	829.4
5°	855.9	862.5	871.4	890.7	912.4	924.5	935.9	934.1	923.5	905.5	892.8
7.5°	900.7	908.3	923.8	955.2	987.2	1005.8	1019.6	1010.6	1001.7	973.4	941.4
10°	935.9	940.3	961.4	1003.4	1040.6	1061.6	1078.5	1076.5	1064.0	1032.3	989.3
12.5°	968.9	972.0	994.8	1036.8	1070.3	1079.6	1093.3	1097.8	1093.7	1069.9	1027.5
15°	1004.4	1010.3	1031.3	1063.4	1078.5	1068.9	1073.7	1086.1	1097.8	1097.8	1058.9
17.5°	1037.5	1042.7	1064.0	1077.8	1063.4	1037.9	1039.2	1055.1	1083.0	1112.3	1087.5
20°	1066.8	1071.6	1092.6	1079.6	1033.7	996.5	995.5	1014.8	1059.9	1121.6	1118.1
22.5°	1098.9	1105.7	1123.3	1080.9	1006.2	959.0	958.6	978.6	1039.6	1130.9	1153.3
25°	1144.3	1155.0	1164.0	1093.0	991.3	934.5	939.0	957.9	1033.0	1146.1	1205.3
27.5°	1211.9	1220.5	1219.8	1118.1	990.7	924.5	933.8	955.9	1044.8	1172.9	1260.1
30°	1284.9	1289.4	1282.2	1153.3	1006.5	930.7	944.5	970.7	1074.4	1217.4	1340.7
32.5°	1365.9	1371.4	1357.6	1206.0	1043.4	976.5	1006.8	1019.6	1116.1	1281.5	1426.2
35°	1458.9	1469.6	1441.0	1275.6	1151.9	1143.6	1187.8	1171.2	1204.6	1357.3	1517.5
37.5°	1556.8	1557.1	1516.1	1378.6	1364.9	1379.0	1467.2	1415.5	1392.4	1441.7	1610.5
40°	1639.8	1637.8	1574.7	1517.5	1550.2	1606.4	1712.9	1633.6	1573.0	1555.1	1687.7
42.5°	1722.9	1715.3	1651.5	1605.7	1678.1	1793.5	1913.8	1816.6	1688.8	1658.1	1763.9
45°	1829.0	1826.6	1749.8	1640.9	1793.5	2003.0	2162.6	2005.1	1757.3	1718.1	1890.7
47.5°	2000.3	1988.5	1845.5	1638.1	1901.7	2282.1	2483.7	2242.5	1805.2	1719.4	2095.4
50°	2167.7	2153.3	1959.9	1637.8	2013.4	2571.6	2862.7	2530.9	1854.2	1727.7	2303.5
52.5°	2336.9	2336.9	2147.7	1676.7	2130.5	2894.8	3300.7	2890.3	1937.5	1835.9	2559.5
55°	2437.5	2464.4	2359.0	1742.5	2267.6	3275.2	3733.8	3278.3	2066.4	2031.3	2795.9
57.5°	2309.7	2360.0	2344.8	1696.7	2348.6	3554.6	4101.1	3572.6	2130.2	2054.4	2760.4
60°	1882.1	1952.0	1986.8	1465.1	2268.7	3587.0	4178.0	3591.9	1998.5	1749.4	2364.5
62.5°	1251.2	1308.7	1361.8	1046.8	1964.1	3226.9	3695.2	3228.0	1669.1	1305.6	1638.1
65°	613.7	656.4	713.6	618.9	1534.4	2696.3	2881.0	2608.4	1207.4	730.8	835.6
67.5°	160.6	172.6	180.6	240.2	1099.2	1937.2	1879.0	1907.9	775.6	238.8	218.5
70°	83.4	84.1	83.7	99.2	742.9	1231.2	1294.9	1198.1	541.3	99.9	86.1
72.5°	59.6	60.0	58.9	66.8	358.7	705.3	730.8	722.9	283.6	59.3	58.9
75°	38.9	39.3	38.6	39.3	54.1	80.3	74.1	77.9	47.2	37.6	37.6
77.5°	23.1	23.4	23.1	23.8	23.1	23.1	21.4	21.4	20.3	20.3	20.7
80°	15.5	15.5	15.2	15.9	14.5	14.5	13.8	13.4	12.4	12.1	12.1
82.5°	9.3	9.6	9.3	9.3	8.6	8.6	7.9	7.6	6.5	6.5	6.2
85°	4.8	4.8	4.5	4.5	3.8	3.4	2.8	2.8	2.1	1.7	1.7
87.5°	0.7	0.7	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°	772.5	772.5	772.5	772.5	772.5	772.5	772.5	772.5	772.5	772.5	772.5
2.5°	825.9	819.1	808.7	798.7	789.4	779.8	768.7	757.4	747.7	737.7	732.6
5°	875.9	861.8	834.9	811.1	789.8	772.2	753.2	737.0	721.9	709.5	703.3
7.5°	921.0	899.0	858.3	820.8	791.8	767.7	741.5	717.4	697.1	681.9	676.1
10°	962.7	936.6	883.1	835.6	801.8	774.9	742.9	710.2	683.3	663.3	658.5
12.5°	996.5	966.5	902.8	847.7	807.7	778.7	750.5	722.2	695.7	669.9	665.7
15°	1026.5	991.0	917.6	855.2	805.6	768.7	745.0	741.5	741.5	712.2	704.0
17.5°	1052.3	1013.4	929.7	858.7	792.5	739.1	724.6	754.6	788.4	767.4	748.8
20°	1082.0	1034.8	939.7	858.7	768.4	701.6	700.2	751.2	801.1	801.5	781.8
22.5°	1111.9	1059.6	951.4	855.6	735.3	658.1	683.6	737.4	781.8	800.8	787.4
25°	1160.5	1094.0	970.0	853.2	696.7	628.5	668.8	719.1	756.7	776.7	768.1
27.5°	1222.2	1139.5	998.2	857.0	658.5	610.9	653.0	695.4	729.5	747.0	740.8
30°	1291.1	1191.9	1028.6	863.5	630.9	602.0	634.0	668.1	698.5	716.0	713.3
32.5°	1379.0	1248.7	1054.7	854.5	615.4	597.5	614.0	638.5	667.8	678.8	681.2
35°	1484.1	1311.5	1074.7	819.4	601.3	592.7	592.3	607.5	628.2	645.7	647.5
37.5°	1580.9	1384.8	1096.8	759.1	575.8	580.6	566.8	575.8	596.1	613.7	620.6
40°	1676.7	1459.3	1127.4	682.3	542.4	553.7	537.5	543.7	559.9	583.0	594.0
42.5°	1769.7	1526.5	1159.8	603.7	508.9	516.2	504.1	510.3	527.2	556.1	568.5
45°	1871.0	1617.4	1185.0	529.6	480.0	476.9	467.2	476.2	501.7	533.4	548.2
47.5°	2062.6	1760.8	1201.5	480.3	464.5	442.1	431.1	450.4	479.3	511.3	529.3
50°	2296.6	1968.2	1196.7	449.0	451.0	406.3	402.5	428.0	459.0	492.4	512.0
52.5°	2482.0	2171.9	1141.9	419.0	424.9	383.5	372.5	409.7	439.3	473.4	493.8
55°	2623.6	2240.4	973.8	383.5	382.1	367.0	343.9	390.7	419.7	451.4	473.4
57.5°	2508.2	2087.8	721.9	334.6	326.3	334.2	311.8	358.7	395.6	426.9	446.6
60°	2081.6	1664.6	402.1	296.3	272.9	292.2	288.8	324.9	369.4	402.5	419.3
62.5°	1413.1	1108.5	238.4	234.3	221.2	248.8	267.0	290.8	334.6	361.5	377.3
65°	704.3	538.6	158.5	175.4	177.1	204.7	239.1	265.3	301.8	329.4	345.3
67.5°	204.3	167.5	120.6	134.0	152.6	174.7	202.3	233.3	268.8	301.5	320.1
70°	88.2	89.2	95.8	111.6	129.9	152.6	180.2	210.5	240.5	265.7	279.8
72.5°	62.4	64.8	72.0	88.2	105.4	127.1	154.7	184.0	205.7	231.2	246.0
75°	40.0	41.7	47.6	60.0	72.7	93.7	119.9	146.8	169.2	187.4	201.6
77.5°	22.1	22.4	27.2	34.5	43.1	56.5	75.8	96.8	113.4	123.7	136.5
80°	12.7	12.7	15.2	19.6	24.8	33.1	43.8	54.1	64.1	70.6	76.8
82.5°	6.9	6.9	7.9	10.7	13.4	18.3	24.5	29.6	35.8	39.3	43.4
85°	2.1	2.1	2.8	3.8	4.8	6.9	9.6	12.4	15.2	17.6	20.0
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°	772.5	772.5	772.5	772.5	772.5	772.5	772.5	772.5	772.5	772.5	772.5
2.5°	731.5	726.7	724.0	720.5	721.5	718.4	716.7	717.8	711.5	717.8	724.0
5°	700.9	694.0	688.5	684.0	681.9	677.8	675.4	675.4	671.6	677.8	685.4
7.5°	674.0	668.5	665.7	663.0	659.9	656.1	651.9	650.6	648.1	654.7	661.2
10°	656.1	656.8	658.5	662.3	661.6	659.2	653.0	649.5	649.5	657.1	667.1
12.5°	664.3	671.6	675.7	682.6	684.0	681.9	675.7	673.0	679.8	691.2	707.8
15°	696.4	701.2	704.7	710.2	709.8	708.1	703.3	705.3	728.1	750.1	765.0
17.5°	731.2	725.7	725.0	728.4	729.5	727.4	724.6	733.9	771.5	792.2	799.8
20°	756.3	737.4	733.3	734.6	737.4	736.4	736.4	751.5	790.5	800.1	790.5
22.5°	763.9	737.0	730.8	731.2	735.0	735.3	737.0	752.9	775.6	776.0	761.2
25°	751.9	726.0	721.5	722.2	726.7	726.4	727.1	736.0	746.0	741.9	730.8
27.5°	729.1	706.7	705.3	709.1	715.0	711.9	709.8	712.2	717.1	711.9	702.2
30°	703.3	684.3	685.0	692.3	698.5	693.3	688.1	689.5	689.8	684.3	673.3
32.5°	676.1	661.9	664.3	671.9	679.2	673.6	668.1	667.4	660.9	654.3	643.7
35°	648.8	643.3	646.4	652.6	658.8	654.3	650.9	648.8	634.7	625.1	616.1
37.5°	624.0	628.2	633.7	637.5	639.5	639.2	637.1	632.3	613.7	602.3	590.6
40°	602.0	614.7	620.6	622.3	625.4	624.7	624.4	617.5	593.0	581.0	567.5
42.5°	582.0	599.9	609.9	611.6	613.3	613.7	612.7	602.7	574.8	560.6	547.9
45°	562.7	586.1	598.9	597.1	599.6	599.6	600.6	587.5	556.8	542.4	528.9
47.5°	545.8	573.4	585.1	583.0	584.4	585.4	586.5	571.3	537.2	523.4	509.6
50°	530.3	559.6	569.6	570.3	570.3	572.7	572.3	557.5	520.7	505.8	492.1
52.5°	513.8	545.5	556.1	560.6	562.0	563.0	558.2	541.0	503.8	485.9	473.1
55°	494.5	531.0	540.6	546.5	549.3	548.6	542.0	524.4	486.5	468.6	454.2
57.5°	465.2	500.0	513.8	516.5	521.0	518.2	510.7	495.8	459.0	441.1	426.2
60°	433.1	458.3	469.3	471.7	468.3	469.3	468.3	454.2	422.1	408.0	392.8
62.5°	391.1	413.5	425.2	428.3	422.4	426.2	424.9	407.3	375.2	360.4	347.0
65°	359.4	383.9	397.6	399.4	397.6	399.4	394.5	373.2	342.9	327.7	313.9
67.5°	334.6	359.7	374.2	379.0	377.3	377.0	369.4	344.6	313.2	296.7	279.1
70°	291.9	313.9	332.5	344.2	344.2	337.7	323.2	300.1	275.0	260.8	247.1
72.5°	258.4	286.3	304.6	316.7	319.1	315.3	295.0	270.5	241.5	227.4	212.9
75°	212.9	240.2	259.8	275.7	278.8	274.6	251.2	227.1	200.2	186.4	171.9
77.5°	142.3	158.5	174.4	188.8	185.7	188.5	172.6	154.4	137.8	127.5	120.9
80°	80.3	91.0	95.8	103.7	103.7	103.7	93.4	84.8	75.5	69.6	63.1
82.5°	45.5	52.4	54.4	61.0	62.7	63.1	56.2	50.7	44.8	41.7	37.2
85°	21.0	24.8	25.2	28.9	30.3	33.1	30.0	26.2	22.7	21.4	18.6
87.5°	0.7	2.1	2.8	5.2	6.9	7.9	8.6	8.6	7.2	6.5	5.5
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-SA1C-740-U-SLR-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	772.5	772.5	772.5	772.5	772.5	772.5	772.5	772.5	772.5	772.5
2.5°	731.5	739.8	749.5	756.3	768.7	779.1	789.8	801.5	810.1	808.0
5°	694.7	708.4	726.0	742.2	765.3	788.7	814.6	841.1	856.6	855.9
7.5°	674.0	693.6	715.0	736.7	763.9	797.7	837.3	878.7	899.7	900.7
10°	685.0	706.0	720.5	738.8	767.4	809.8	857.3	906.9	931.0	935.9
12.5°	719.8	718.1	717.1	730.2	764.6	818.4	876.6	935.9	963.1	968.9
15°	752.9	717.4	696.0	705.0	752.2	823.9	895.6	967.6	998.2	1004.4
17.5°	759.1	705.3	665.7	671.9	732.6	825.6	913.8	998.6	1031.7	1037.5
20°	741.9	689.8	643.7	635.1	707.8	821.1	925.2	1024.4	1060.6	1066.8
22.5°	720.2	676.1	627.1	604.7	677.4	816.6	937.9	1051.6	1093.3	1098.9
25°	697.4	658.5	611.6	577.5	643.0	813.9	959.3	1087.5	1137.8	1144.3
27.5°	673.3	637.1	598.2	564.4	611.3	817.3	989.6	1145.4	1202.6	1211.9
30°	647.5	615.8	589.6	559.9	589.6	820.4	1023.0	1204.6	1271.8	1284.9
32.5°	620.6	596.1	580.6	562.0	576.1	813.2	1052.3	1271.1	1354.5	1365.9
35°	593.7	576.1	569.2	565.8	558.2	786.7	1076.1	1338.3	1448.9	1458.9
37.5°	568.5	555.5	553.4	557.2	530.6	743.2	1103.7	1423.8	1541.6	1556.8
40°	545.1	533.1	532.7	532.0	500.3	684.0	1140.9	1510.6	1632.9	1639.8
42.5°	523.4	508.2	511.0	502.7	475.5	619.9	1176.0	1584.7	1718.1	1722.9
45°	504.1	484.1	487.2	476.9	463.8	552.7	1207.0	1672.2	1825.9	1829.0
47.5°	485.5	464.1	455.5	454.8	461.7	490.7	1237.4	1840.7	1994.7	2000.3
50°	468.3	445.2	420.7	435.9	449.0	444.2	1275.3	2021.3	2169.1	2167.7
52.5°	451.7	421.4	386.6	415.9	415.9	409.7	1264.6	2130.9	2313.1	2336.9
55°	432.8	383.2	351.1	382.5	367.3	378.7	1075.4	2166.7	2403.8	2437.5
57.5°	395.2	336.0	308.1	324.9	302.2	351.1	772.5	1988.9	2249.7	2309.7
60°	359.0	301.2	282.9	279.8	250.2	286.3	500.7	1557.1	1851.7	1882.1
62.5°	316.7	271.2	255.7	231.9	201.2	208.5	303.2	1024.8	1244.3	1251.2
65°	284.6	245.7	216.0	187.8	164.7	151.3	179.2	494.1	622.0	613.7
67.5°	244.3	210.5	182.3	162.0	143.0	126.1	119.2	146.8	166.1	160.6
70°	217.4	185.0	157.8	138.5	120.9	104.1	92.0	86.5	84.8	83.4
72.5°	187.4	159.2	130.9	112.3	95.8	80.3	69.3	62.7	61.0	59.6
75°	149.5	123.0	97.2	79.6	65.1	54.1	46.9	41.3	40.3	38.9
77.5°	98.9	78.9	57.9	47.2	38.6	32.7	27.9	24.5	23.8	23.1
80°	54.4	45.5	35.5	28.6	23.1	20.0	18.3	16.2	15.9	15.5
82.5°	32.4	27.2	20.3	16.2	13.4	12.1	11.0	10.0	9.6	9.3
85°	16.2	12.7	9.0	7.6	6.9	6.2	6.2	5.2	4.8	4.8
87.5°	4.1	3.4	2.1	1.7	1.7	1.7	1.4	1.0	1.0	0.7
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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