

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: P629847

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629847
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-SA1C-740-U-SLL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT 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: 3741.3 lumens
Efficiency: N/A
Efficacy: 109.7 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

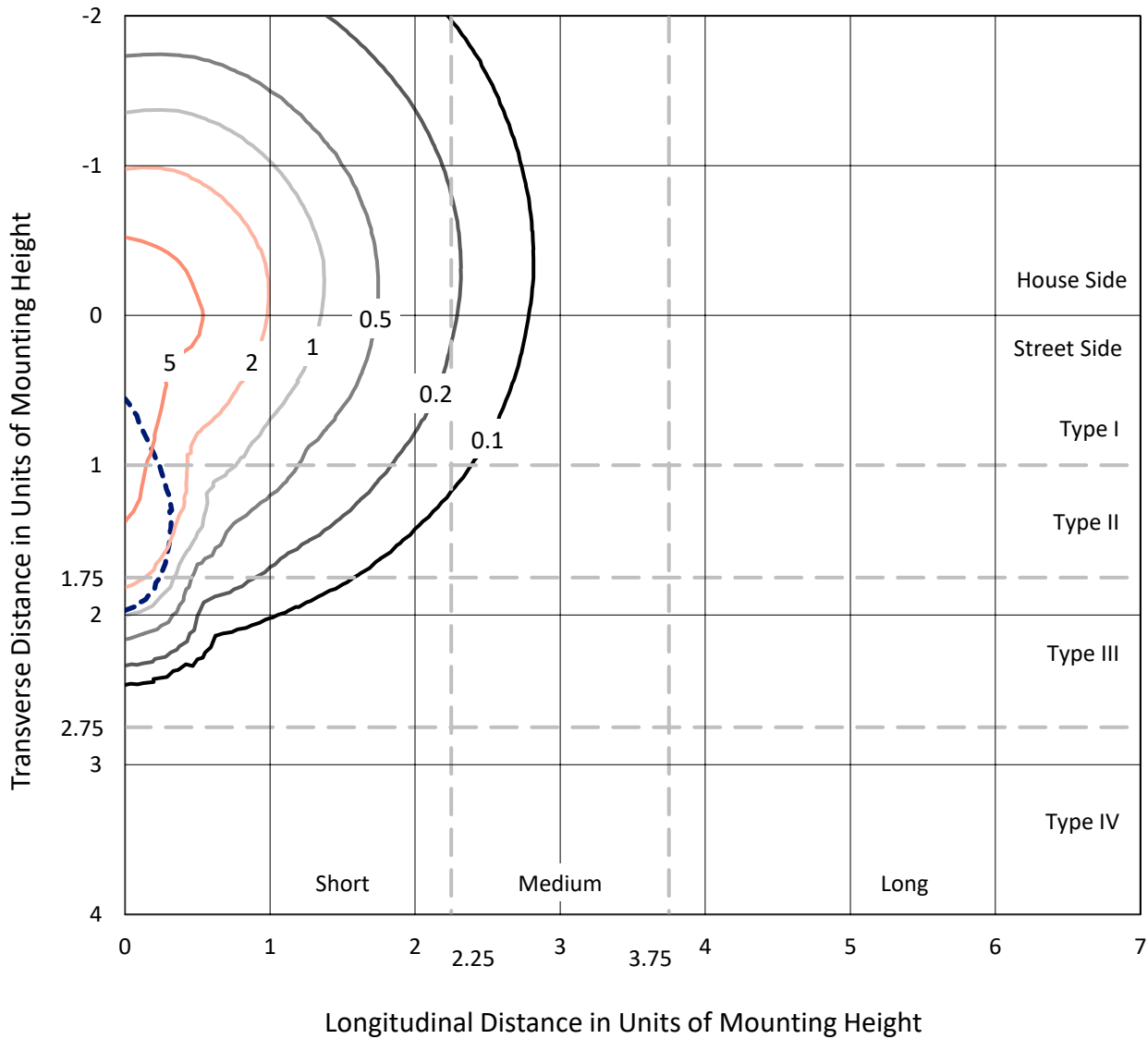
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

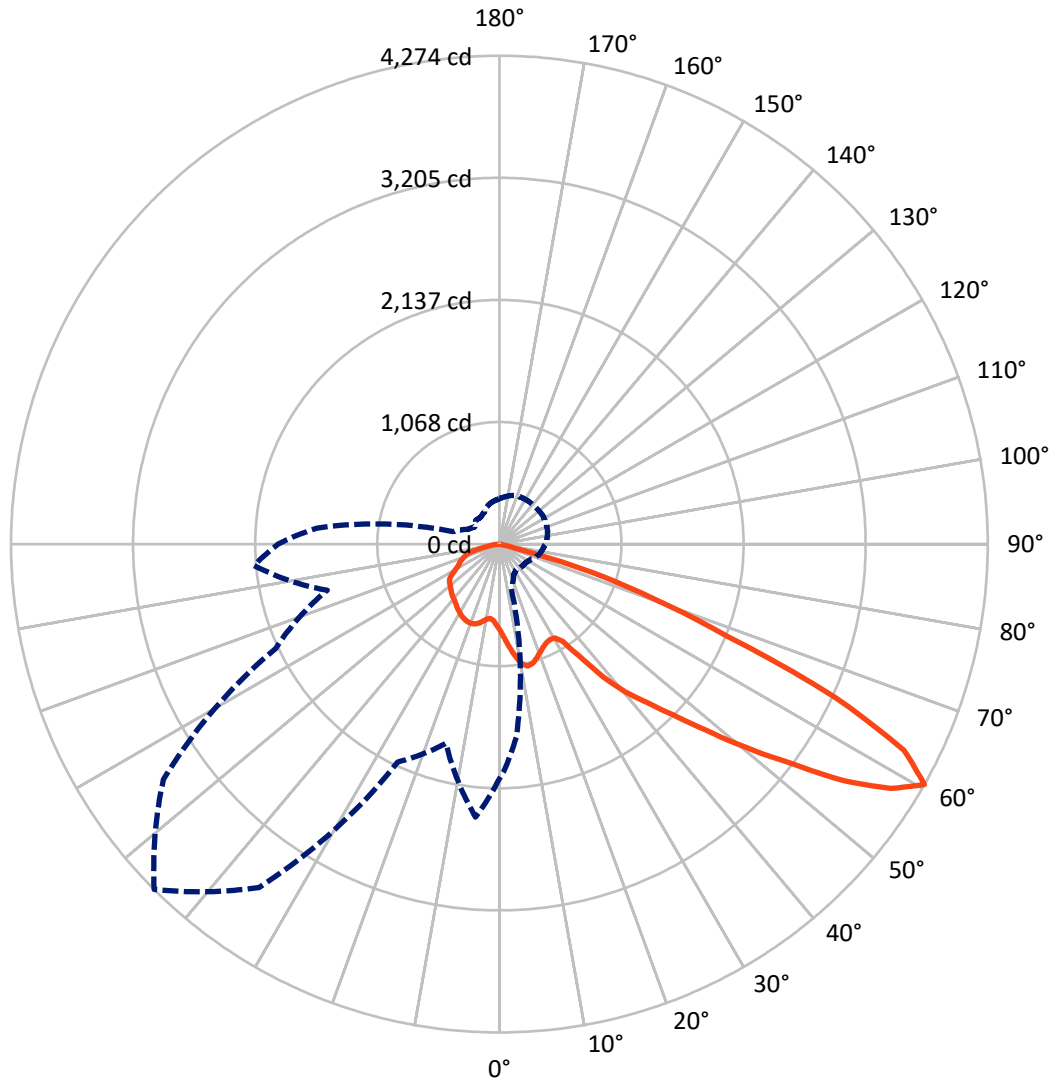
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.1 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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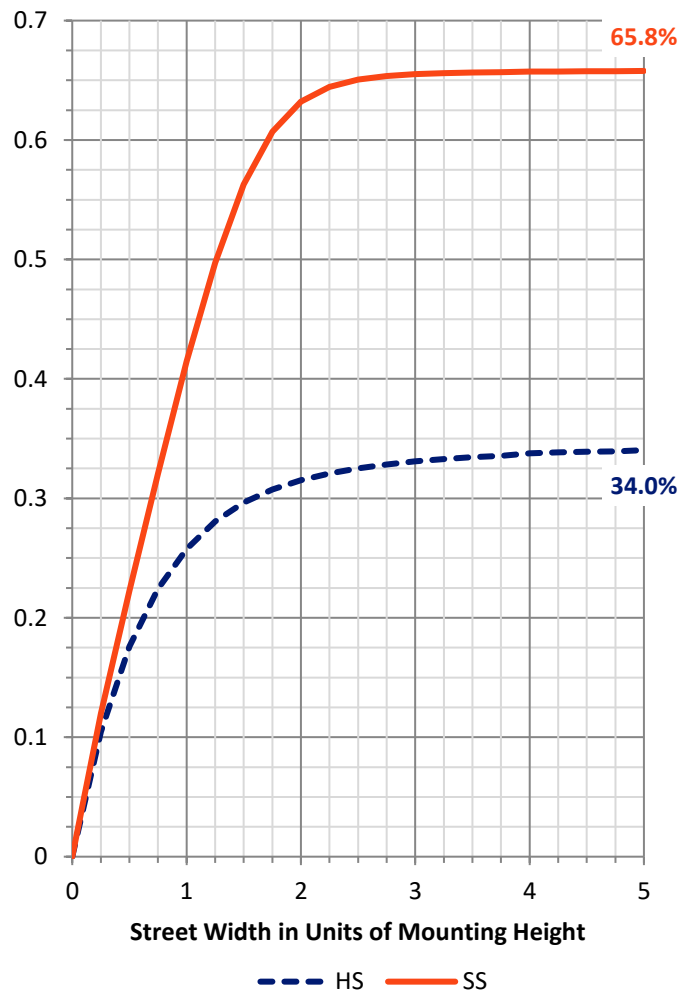
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1279.9	0.0	1279.9
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	2461.4	0.0	2461.4
	% Fixture	65.8	0.0	65.8
Total	Lumens	3741.3	0.0	3741.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.7	2.0
10°-20°	236.5	6.3
20°-30°	385.1	10.3
30°-40°	541.0	14.5
40°-50°	740.3	19.8
50°-60°	949.7	25.4
60°-70°	639.5	17.1
70°-80°	159.9	4.3
80°-90°	15.6	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°	3741.3	100.0
0°-180°	3741.3	100.0

Coefficient of Utilization



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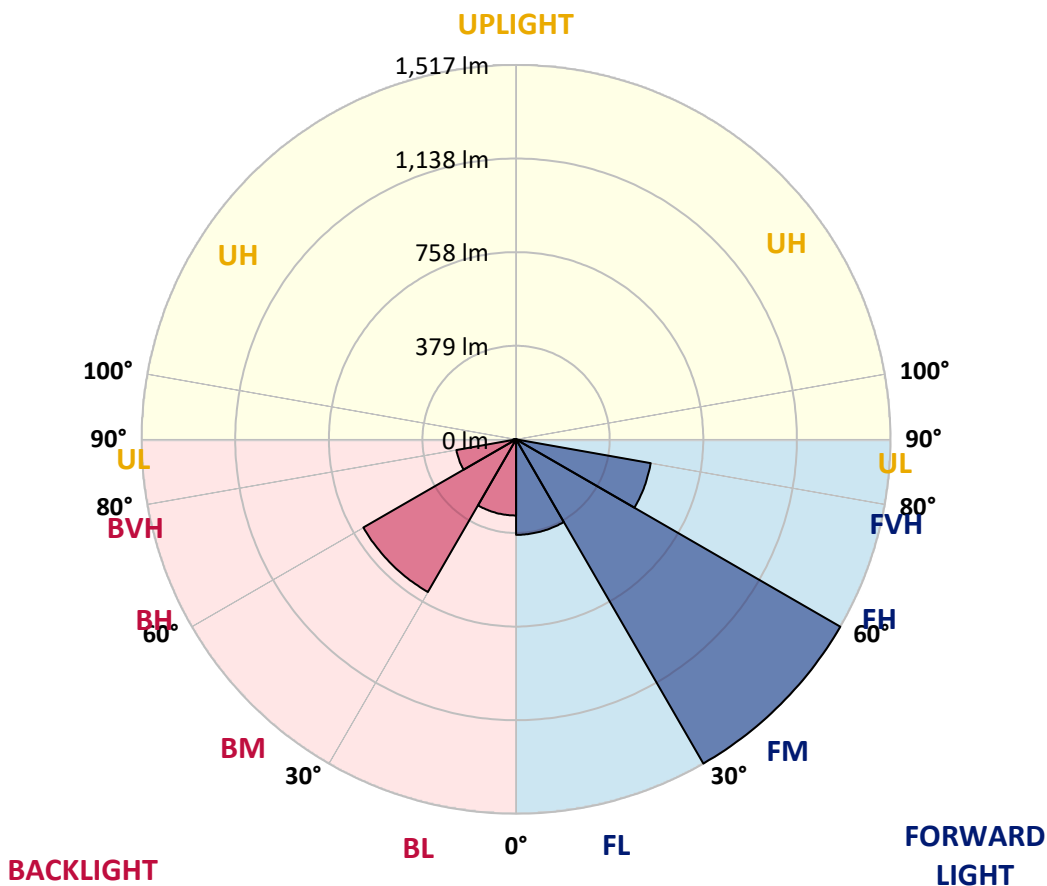
CATALOG NUMBER: GWS-SA1C-740-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	386.8	10.3			
FM (30°-60°)	1516.8	40.5			
FH (60°-80°)	553.9	14.8			G0/660
FVH (80°-90°)	4.1	0.1			G0/10
BL (0°-30°)	308.5	8.2	B1/500		
BM (30°-60°)	714.3	19.1	B1/1000		
BH (60°-80°)	245.5	6.6	B1/500		G1/500
BVH (80°-90°)	11.5	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°	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6
2.5°	798.3	796.6	794.9	781.5	778.0	768.4	761.5	752.9	740.5	733.6	727.7
5°	848.3	845.5	836.2	808.7	790.8	771.1	754.9	737.0	718.1	705.7	696.0
7.5°	895.5	894.8	879.0	833.5	804.5	776.3	754.2	728.0	700.8	682.2	669.8
10°	939.3	934.1	915.1	855.9	818.0	785.6	761.8	732.9	701.2	676.0	659.5
12.5°	977.9	971.3	945.1	876.6	829.7	789.7	763.9	740.1	719.1	698.1	679.1
15°	1009.6	1001.6	975.1	895.8	840.0	787.3	751.1	732.5	739.8	749.1	728.0
17.5°	1039.2	1030.9	998.5	910.0	843.1	772.5	719.8	711.9	748.4	790.8	781.1
20°	1064.0	1054.7	1017.1	916.9	837.6	744.2	679.1	692.9	741.1	791.8	807.3
22.5°	1090.9	1083.3	1038.2	926.9	830.7	705.3	645.0	678.8	728.7	773.2	796.6
25°	1133.9	1124.6	1070.9	944.4	827.3	668.8	620.5	665.0	711.5	751.8	770.1
27.5°	1196.3	1179.1	1115.7	975.1	831.1	634.3	605.0	648.1	691.5	726.0	740.8
30°	1264.2	1243.5	1165.3	1006.8	836.6	613.3	596.8	628.8	660.9	695.3	711.5
32.5°	1344.5	1326.2	1218.4	1030.6	824.9	603.7	590.6	607.8	633.3	660.9	674.3
35°	1440.2	1407.5	1276.2	1049.9	787.0	589.5	585.1	584.7	598.2	625.0	640.2
37.5°	1543.3	1508.1	1347.6	1070.5	728.0	567.1	572.0	557.5	569.9	591.3	608.5
40°	1627.7	1590.8	1419.6	1098.8	654.3	532.0	543.0	527.5	535.1	557.1	576.4
42.5°	1710.4	1671.1	1486.8	1130.8	583.0	497.5	503.1	497.2	499.6	522.7	549.6
45°	1818.9	1774.8	1569.5	1153.6	518.9	470.3	465.2	455.2	467.9	497.9	526.5
47.5°	2000.2	1947.4	1704.9	1168.4	472.4	454.8	431.0	425.2	441.0	474.5	504.1
50°	2212.1	2166.6	1921.3	1167.7	437.6	441.7	398.0	392.8	419.0	452.7	484.1
52.5°	2385.7	2339.5	2106.3	1133.2	409.0	413.8	378.7	364.2	400.0	431.4	462.7
55°	2525.9	2473.9	2191.4	989.2	372.8	369.4	357.7	331.1	376.3	410.0	439.3
57.5°	2450.5	2388.5	2088.4	752.2	335.6	313.9	321.5	301.8	343.9	386.2	414.5
60°	2054.6	1998.8	1696.6	400.4	295.3	262.2	278.1	281.2	308.4	357.7	386.6
62.5°	1411.3	1370.6	1149.8	242.9	232.9	210.5	235.3	257.7	278.1	319.7	344.9
65°	690.5	678.4	575.1	155.7	163.0	170.2	195.0	222.2	252.2	288.7	315.3
67.5°	190.2	191.6	174.3	121.6	128.5	148.5	168.1	189.9	219.8	253.6	280.5
70°	83.7	85.1	87.9	93.7	106.8	125.1	145.4	167.8	195.4	223.6	249.5
72.5°	58.2	59.6	63.7	71.3	83.0	100.3	119.6	140.9	169.5	193.3	214.7
75°	35.8	36.9	40.7	47.2	55.1	68.2	87.2	106.8	132.0	153.7	172.6
77.5°	19.0	18.3	20.7	25.2	32.0	38.9	51.7	64.1	82.0	99.6	115.4
80°	10.3	10.0	11.4	13.8	15.8	21.4	30.0	38.2	48.6	58.6	67.2
82.5°	4.5	4.1	4.5	5.9	7.2	10.3	15.2	21.0	26.9	33.8	39.3
85°	0.0	0.0	0.0	0.3	1.7	2.8	5.2	7.6	11.0	15.2	18.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	3.1
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6
2.5°	724.3	715.6	715.0	708.1	708.8	709.1	702.2	699.5	701.9	704.6	703.2
5°	692.6	683.6	679.8	673.3	672.6	669.5	666.7	663.3	665.7	668.1	669.5
7.5°	665.0	659.1	656.7	655.0	655.7	654.3	648.8	645.7	645.4	646.4	647.8
10°	656.0	651.2	654.3	659.1	662.6	665.0	659.1	654.0	649.1	647.1	647.1
12.5°	675.3	669.1	675.3	680.5	687.4	689.1	682.6	677.1	675.3	677.4	681.5
15°	718.1	703.6	703.2	706.3	711.9	714.6	708.4	705.7	705.7	718.7	729.1
17.5°	760.8	737.0	727.0	725.3	728.7	729.8	724.6	722.2	728.4	753.9	773.2
20°	790.8	761.8	740.1	736.0	737.0	737.4	733.2	731.5	740.5	771.5	787.7
22.5°	787.7	766.3	739.8	734.6	736.3	735.6	731.8	731.2	738.4	765.3	772.8
25°	766.3	749.8	727.4	723.9	726.7	726.3	722.5	720.8	723.9	741.8	742.5
27.5°	741.8	727.4	708.1	707.0	711.5	713.9	707.4	702.2	701.2	713.2	710.5
30°	712.5	701.9	686.4	687.0	695.3	696.7	688.8	681.2	679.1	685.7	681.9
32.5°	677.7	674.3	666.0	667.8	675.7	678.4	670.2	662.2	659.8	661.9	654.0
35°	648.1	646.7	647.4	650.5	657.4	659.5	652.6	646.4	642.9	635.7	625.4
37.5°	617.4	621.2	631.2	637.1	640.9	640.2	636.4	631.9	626.4	613.0	600.2
40°	588.8	598.5	616.4	623.0	624.3	624.7	621.9	618.1	611.2	593.3	578.9
42.5°	566.8	577.5	601.3	611.2	611.9	612.6	609.9	606.8	597.1	573.3	559.2
45°	543.7	557.8	585.7	597.8	597.1	596.8	594.4	593.0	581.6	554.0	538.5
47.5°	524.1	540.6	570.6	580.9	580.6	580.2	578.5	578.5	567.1	537.2	519.6
50°	504.8	523.7	555.1	563.7	564.4	563.7	563.0	564.0	550.6	518.6	501.3
52.5°	483.8	505.1	537.9	545.8	549.9	551.6	551.6	549.2	533.4	500.0	481.0
55°	460.7	481.0	518.9	529.6	533.0	536.1	536.1	531.3	516.5	482.7	462.4
57.5°	432.1	450.0	480.0	490.6	498.9	501.0	501.0	493.1	481.0	448.6	432.1
60°	401.1	416.6	436.9	448.3	454.5	450.3	453.4	451.4	441.7	411.7	398.0
62.5°	359.7	375.6	398.0	409.7	412.4	408.3	412.4	412.1	399.0	372.1	355.6
65°	330.1	345.6	367.6	382.8	387.3	386.2	389.0	384.9	368.7	343.2	327.3
67.5°	294.9	311.5	337.0	353.9	363.2	364.2	368.0	359.4	342.8	314.9	294.9
70°	261.5	275.6	295.3	311.1	324.2	330.8	331.5	319.1	298.4	275.3	260.8
72.5°	226.4	240.8	264.6	281.8	298.4	306.0	306.0	290.8	268.4	242.9	227.4
75°	183.6	197.1	218.8	237.4	256.4	266.0	265.7	252.6	227.8	203.6	187.4
77.5°	124.4	134.4	148.2	162.3	165.0	172.6	176.4	159.9	146.1	133.0	118.5
80°	72.4	78.6	86.1	94.1	95.8	98.2	92.0	85.8	78.6	69.9	63.4
82.5°	42.4	46.5	50.3	56.5	57.5	58.2	52.7	50.0	44.1	38.9	34.8
85°	20.7	22.1	25.5	28.6	27.2	26.5	24.1	21.4	19.0	16.9	14.8
87.5°	4.1	4.1	6.2	5.9	4.8	4.1	2.4	3.1	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°	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6
2.5°	707.7	713.6	720.8	730.5	741.5	753.2	764.6	773.2	781.8	794.5	792.5
5°	671.5	681.5	692.9	707.7	725.6	746.0	768.7	791.4	815.9	836.6	845.5
7.5°	650.5	661.5	675.0	694.3	717.4	742.2	774.2	811.1	850.7	877.9	894.8
10°	650.5	664.7	682.2	700.8	721.2	746.7	786.3	832.5	883.4	919.3	938.9
12.5°	688.1	702.2	706.0	705.3	716.7	744.9	795.9	854.8	915.8	953.7	977.9
15°	746.7	751.5	722.9	696.7	698.4	732.5	800.4	872.8	943.7	989.2	1015.4
17.5°	785.9	773.2	722.2	676.4	666.7	711.5	800.4	890.0	973.4	1024.7	1049.2
20°	789.0	757.3	704.6	656.7	631.9	683.6	794.9	903.1	1002.0	1058.8	1085.0
22.5°	761.8	730.5	686.0	639.8	603.3	649.8	785.9	913.1	1026.4	1090.9	1123.3
25°	730.8	704.6	667.1	622.6	583.7	615.7	777.7	930.0	1060.5	1134.3	1167.0
27.5°	700.5	678.4	644.3	608.1	572.7	586.1	772.5	954.8	1101.2	1196.0	1224.2
30°	670.9	650.9	619.9	594.4	566.8	566.8	768.0	983.4	1155.0	1265.2	1293.5
32.5°	640.9	621.9	596.8	580.9	563.4	559.2	755.6	1010.2	1210.4	1341.0	1370.0
35°	613.0	594.0	574.7	568.2	561.6	553.4	724.9	1031.3	1264.5	1429.6	1454.4
37.5°	586.8	568.5	554.0	552.3	553.0	537.5	676.7	1048.8	1332.1	1520.2	1533.3
40°	564.0	543.7	532.3	532.0	535.4	512.0	615.7	1074.0	1409.2	1597.0	1591.5
42.5°	543.7	522.3	508.6	511.7	509.6	486.5	556.1	1097.1	1476.4	1669.0	1658.0
45°	523.7	503.1	483.8	488.2	485.8	470.7	505.5	1114.0	1550.9	1755.5	1756.9
47.5°	504.4	484.1	464.8	459.3	459.0	465.8	466.5	1119.5	1672.1	1894.7	1863.4
50°	486.5	466.2	446.2	427.6	434.8	456.2	437.6	1115.3	1853.7	2048.4	1960.9
52.5°	467.9	448.6	426.6	393.1	412.1	433.1	411.7	1100.5	1964.7	2184.1	2131.8
55°	446.5	428.3	398.3	357.7	380.7	385.2	385.2	957.2	2011.9	2318.5	2350.9
57.5°	417.9	393.8	346.3	313.5	334.2	317.0	357.0	669.8	1934.0	2276.1	2401.9
60°	385.6	359.7	309.4	286.0	292.2	261.9	304.2	420.0	1602.9	1936.8	2154.5
62.5°	342.8	319.1	277.4	259.1	246.4	213.6	245.0	265.7	1098.8	1438.2	1586.7
65°	314.2	288.0	250.8	226.7	200.5	171.9	162.6	174.3	590.9	804.9	905.2
67.5°	280.5	254.6	219.5	189.2	168.1	147.5	131.3	127.1	202.6	268.1	290.1
70°	248.4	223.6	194.3	166.1	145.1	124.7	108.9	97.5	93.7	93.0	91.7
72.5°	215.7	192.6	168.1	142.0	118.9	100.3	86.1	73.0	67.5	65.8	64.1
75°	176.8	158.5	134.0	105.8	87.2	69.9	58.9	50.3	45.5	43.8	41.7
77.5°	113.7	105.4	84.1	68.2	52.7	41.7	35.8	30.3	27.2	26.5	24.8
80°	60.6	56.5	46.5	39.3	31.4	25.5	22.4	19.3	17.6	16.9	16.2
82.5°	33.8	30.7	25.8	22.7	18.3	15.5	13.8	12.4	11.4	11.0	10.7
85°	15.2	13.1	10.3	9.6	8.6	7.9	7.6	6.9	6.5	6.2	5.9
87.5°	0.7	1.4	1.7	1.4	1.4	2.1	2.4	2.4	2.1	2.1	1.7
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-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6
2.5°	805.2	815.6	816.6	820.0	815.6	814.5	807.3	803.2	799.4	798.3
5°	867.9	888.6	896.9	902.7	897.2	894.5	878.6	862.1	852.8	848.3
7.5°	932.4	963.4	979.6	986.8	987.5	975.1	947.9	916.9	901.4	895.5
10°	989.9	1028.2	1049.5	1063.3	1058.5	1043.3	1006.1	964.1	944.4	939.3
12.5°	1032.6	1069.2	1085.7	1094.7	1094.3	1086.0	1050.9	1005.4	983.0	977.9
15°	1060.2	1081.9	1082.9	1085.0	1090.9	1101.9	1083.6	1041.6	1016.8	1009.6
17.5°	1081.9	1073.3	1057.1	1051.6	1064.7	1095.3	1106.4	1072.3	1045.4	1039.2
20°	1095.7	1052.3	1023.7	1013.0	1028.2	1078.1	1120.2	1099.8	1071.9	1064.0
22.5°	1106.4	1032.6	986.5	979.2	995.1	1059.5	1134.3	1132.6	1101.9	1090.9
25°	1123.3	1019.5	960.3	955.1	969.9	1050.6	1153.2	1177.0	1149.8	1133.9
27.5°	1149.8	1018.2	946.8	945.1	965.4	1058.5	1180.5	1242.1	1208.0	1196.3
30°	1186.7	1031.3	949.9	953.4	978.2	1087.1	1222.8	1316.6	1282.4	1264.2
32.5°	1239.7	1066.4	997.1	1012.0	1030.2	1132.9	1284.9	1397.2	1371.3	1344.5
35°	1309.7	1162.9	1136.7	1199.7	1182.5	1233.2	1359.6	1495.0	1463.7	1440.2
37.5°	1403.0	1360.7	1384.8	1471.6	1429.9	1422.7	1450.9	1583.9	1566.7	1543.3
40°	1534.0	1542.6	1587.0	1701.1	1640.8	1594.3	1562.9	1650.8	1656.6	1627.7
42.5°	1620.8	1660.4	1767.6	1897.1	1814.1	1702.8	1656.6	1736.2	1736.6	1710.4
45°	1653.2	1756.9	1980.9	2130.1	1991.2	1764.8	1708.3	1852.3	1848.9	1818.9
47.5°	1641.5	1838.2	2202.4	2430.5	2218.6	1808.9	1701.1	2017.7	2045.6	2000.2
50°	1617.0	1919.9	2461.2	2798.5	2497.7	1855.8	1690.1	2201.0	2247.2	2212.1
52.5°	1641.8	2010.8	2767.1	3178.9	2847.8	1930.6	1764.5	2436.4	2428.1	2385.7
55°	1720.4	2118.3	3138.9	3656.8	3232.3	2057.0	1955.7	2660.7	2576.6	2525.9
57.5°	1716.6	2195.2	3464.9	4034.8	3566.9	2160.7	2022.2	2684.4	2514.6	2450.5
60°	1558.1	2160.0	3588.9	4273.9	3667.8	2103.5	1803.4	2397.8	2121.8	2054.6
62.5°	1162.9	1916.8	3348.4	3974.5	3382.2	1816.9	1356.2	1721.1	1524.7	1411.3
65°	743.9	1499.5	2815.0	3219.9	2787.8	1389.6	807.6	922.7	722.9	690.5
67.5°	316.6	1058.5	2188.3	2152.1	2085.6	900.3	311.8	259.8	193.6	190.2
70°	104.7	720.1	1348.9	1435.4	1245.6	620.2	103.0	87.2	86.8	83.7
72.5°	68.6	386.6	759.4	845.5	801.4	357.0	62.4	58.2	59.6	58.2
75°	41.0	84.1	127.8	166.1	127.8	60.0	37.6	36.9	37.6	35.8
77.5°	24.1	23.4	22.7	22.7	22.4	20.7	19.0	18.3	18.6	19.0
80°	15.5	14.8	14.1	13.8	12.1	11.4	10.7	10.0	10.0	10.3
82.5°	10.0	9.3	8.6	7.6	6.2	5.2	4.8	4.1	4.1	4.5
85°	5.2	4.1	3.1	2.4	1.4	0.7	0.0	0.0	0.0	0.0
87.5°	1.0	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

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