

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: P630834

Luminaire Tested: GWS-SA1E-740-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630834
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-740-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4063.3 lumens
Efficiency: N/A
Efficacy: 69.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

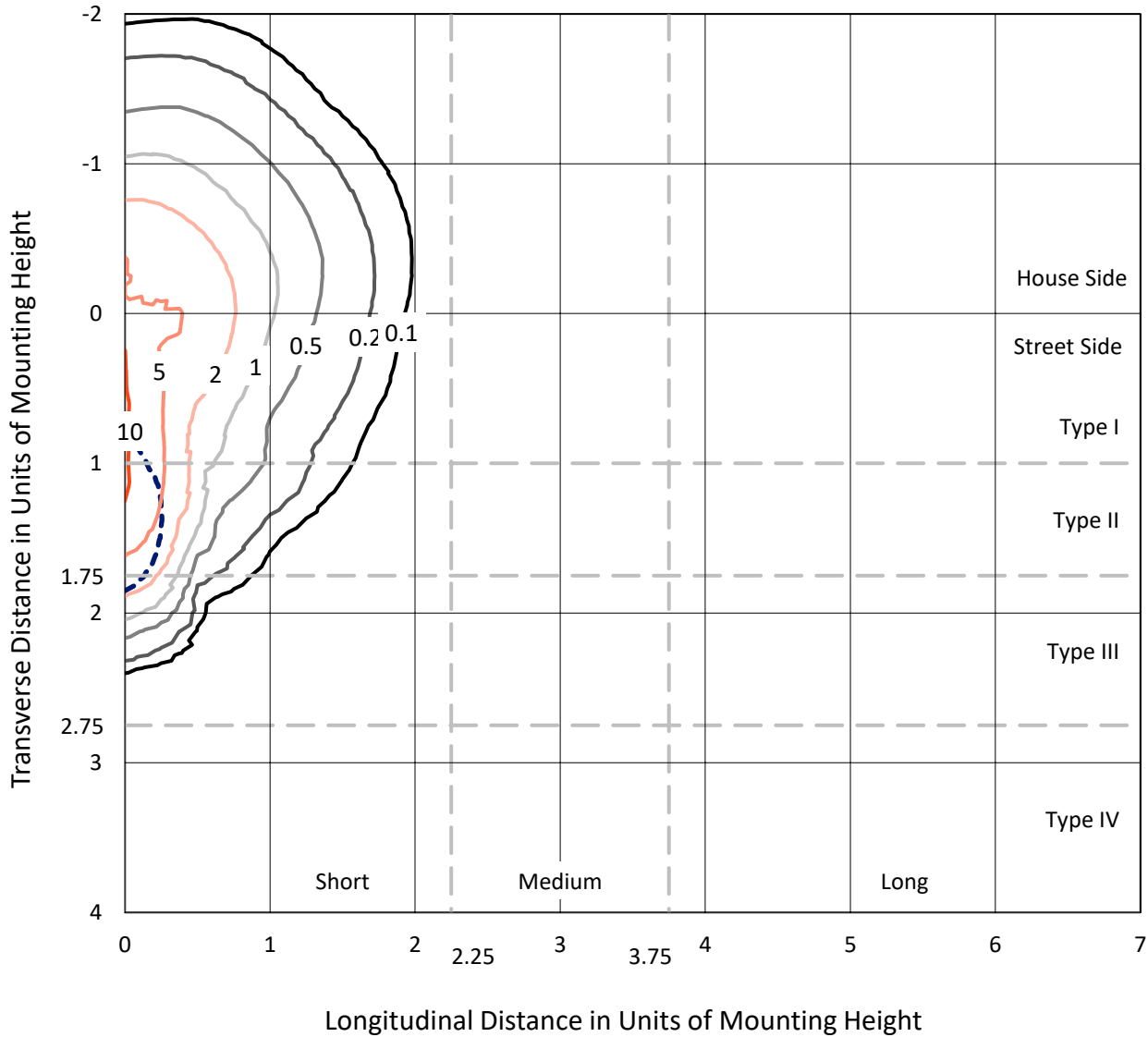
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

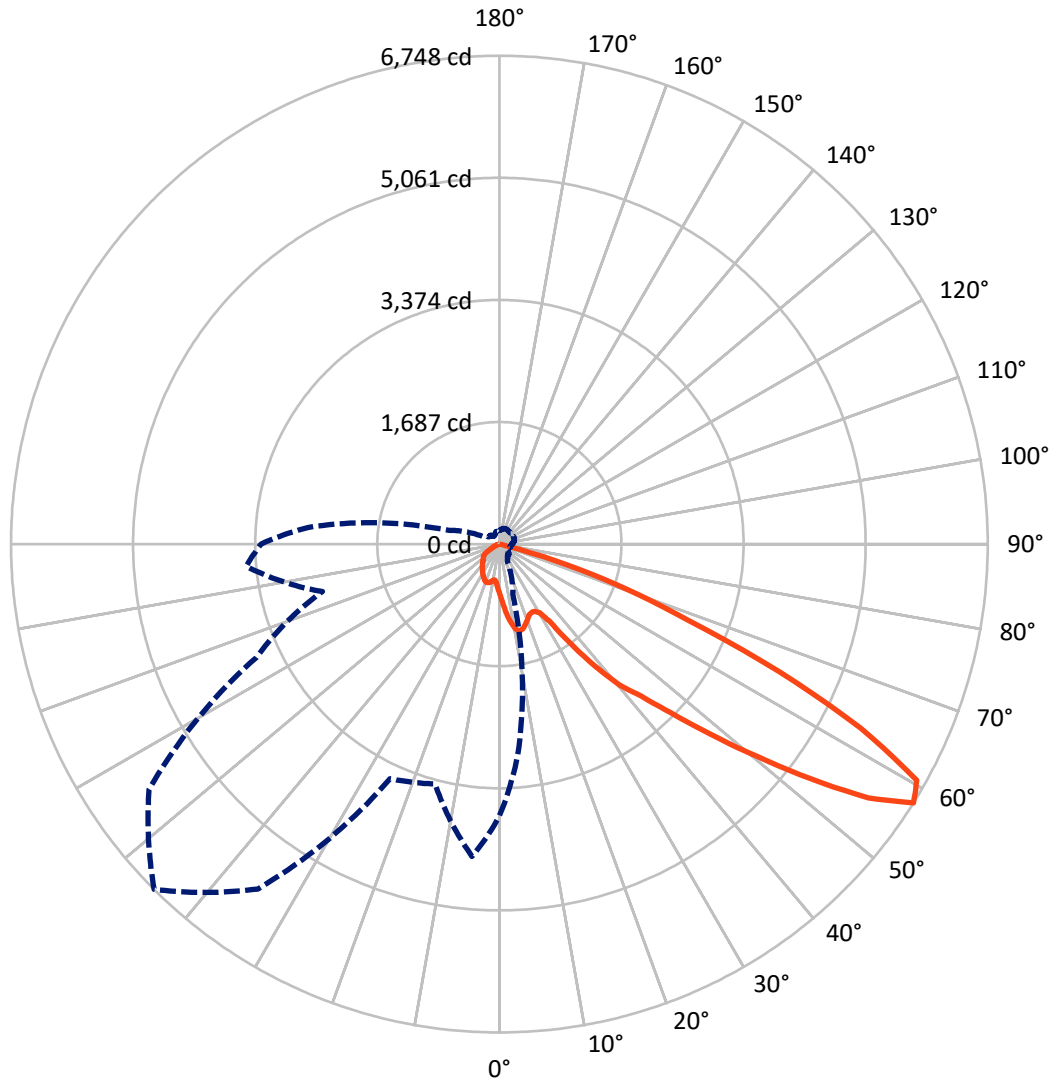
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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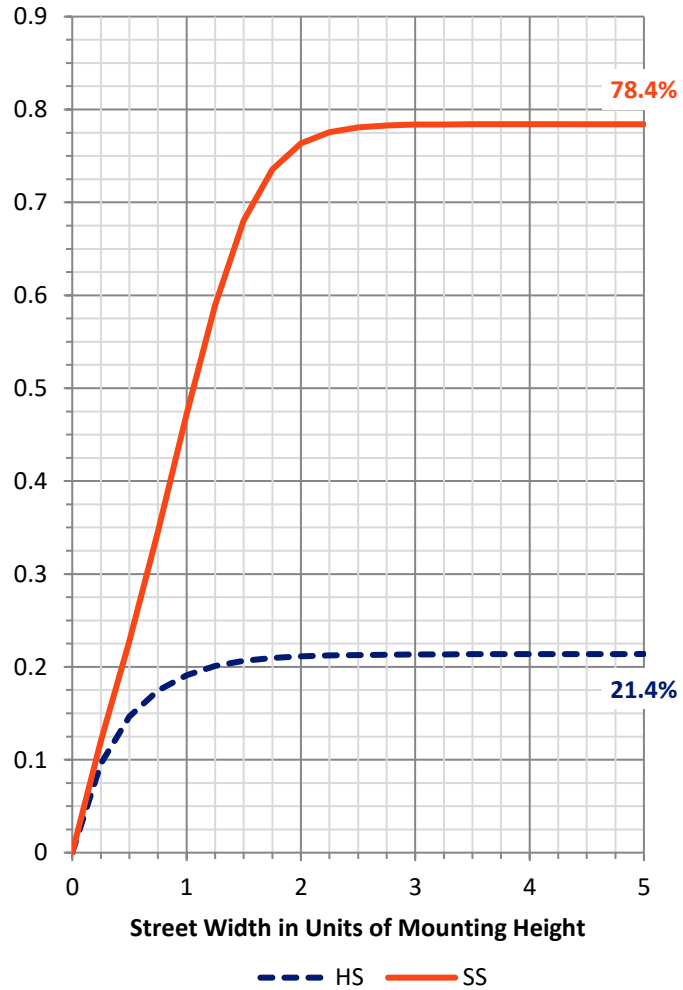
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	875.4	0.0	875.4
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	3187.9	0.0	3187.9
	% Fixture	78.5	0.0	78.5
Total	Lumens	4063.3	0.0	4063.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.2	1.7
10°-20°	224.5	5.5
20°-30°	364.4	9.0
30°-40°	559.3	13.8
40°-50°	893.2	22.0
50°-60°	1250.6	30.8
60°-70°	641.2	15.8
70°-80°	61.7	1.5
80°-90°	0.0	0.0
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°	4063.3	100.0
0°-180°	4063.3	100.0

Coefficient of Utilization



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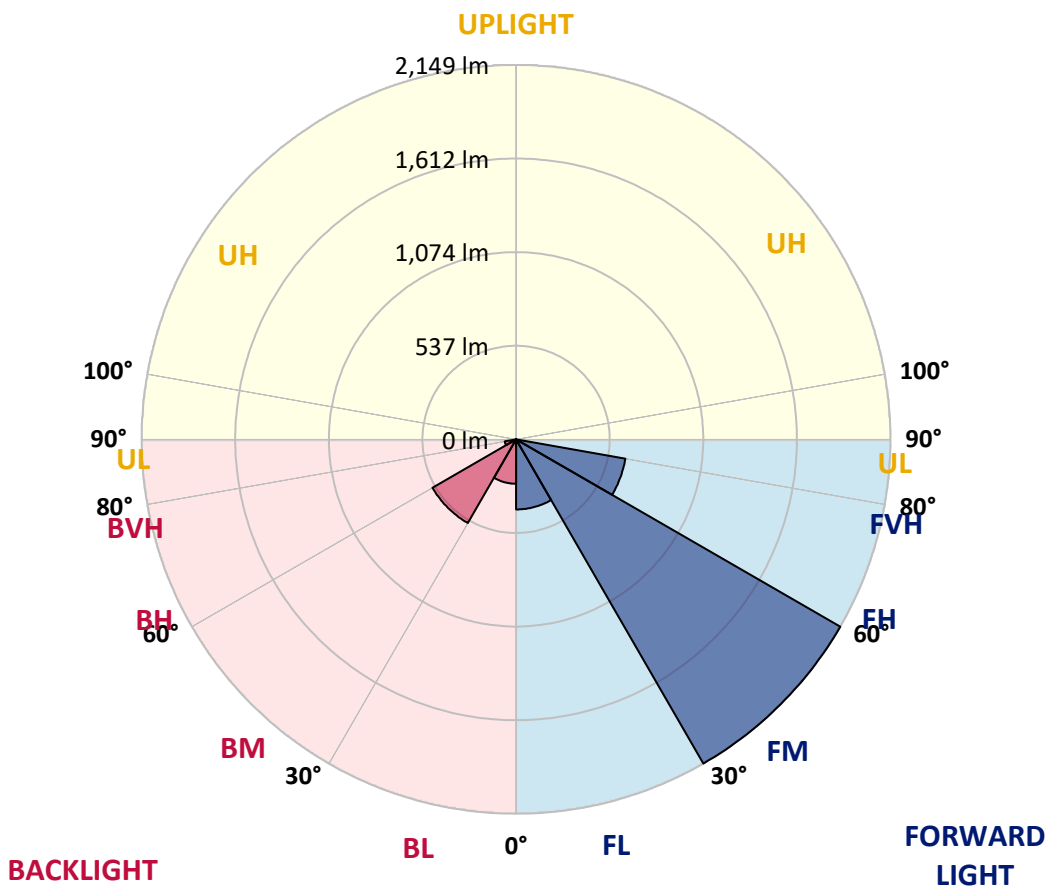
CATALOG NUMBER: GWS-SA1E-740-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	402.3	9.9			
FM (30°-60°)	2148.8	52.9			
FH (60°-80°)	636.9	15.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	254.9	6.3	B1/500		
BM (30°-60°)	554.4	13.6	B1/1000		
BH (60°-80°)	66.1	1.6	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	690.4	690.4	690.4	690.4	690.4	690.4	690.4	690.4	690.4	690.4	690.4
2.5°	767.0	765.4	759.9	741.5	730.1	712.1	699.1	682.3	663.8	652.4	641.0
5°	848.5	844.1	829.5	787.1	754.5	719.2	691.0	660.0	626.9	605.1	585.0
7.5°	926.7	920.2	900.6	828.9	779.5	729.0	688.8	643.7	597.0	564.4	539.4
10°	1003.3	988.6	957.7	869.7	802.9	742.0	694.8	643.2	588.3	547.0	519.3
12.5°	1066.3	1055.4	1013.1	908.2	822.4	744.7	686.6	638.8	601.9	574.2	548.6
15°	1120.6	1108.7	1068.5	943.0	839.3	733.9	652.4	610.6	616.5	627.4	605.7
17.5°	1170.6	1158.1	1114.7	971.8	845.8	707.3	604.6	584.5	617.6	658.4	650.2
20°	1222.2	1208.1	1154.9	995.2	843.6	665.4	556.2	562.2	608.9	655.6	660.0
22.5°	1282.5	1267.8	1205.9	1025.0	842.0	615.5	514.4	542.7	592.6	632.3	639.9
25°	1362.4	1345.0	1277.1	1069.0	846.3	569.8	484.5	523.7	564.9	600.8	605.1
27.5°	1467.7	1445.5	1359.1	1123.4	855.5	534.0	471.5	497.6	529.6	561.7	565.5
30°	1605.2	1576.9	1453.1	1170.6	851.2	509.0	462.8	471.5	490.5	516.6	517.1
32.5°	1766.0	1727.4	1558.5	1211.3	813.7	490.5	450.9	444.9	449.2	469.3	473.1
35°	1955.0	1905.0	1674.7	1249.9	745.3	454.7	429.1	409.0	407.4	417.2	426.4
37.5°	2171.7	2112.0	1821.4	1299.3	664.3	417.2	397.1	377.0	368.3	373.2	387.3
40°	2371.6	2305.4	1974.6	1359.1	581.8	383.5	359.6	339.0	328.6	330.3	347.7
42.5°	2606.3	2537.9	2162.0	1437.3	513.3	360.7	320.5	299.3	285.7	293.3	313.4
45°	2962.6	2885.0	2435.2	1505.2	459.0	355.3	286.3	256.4	249.9	262.9	286.8
47.5°	3449.4	3354.3	2810.5	1546.5	412.8	360.1	262.4	221.6	223.3	237.9	261.8
50°	3932.3	3829.6	3244.6	1492.2	374.8	350.4	250.4	194.5	204.8	217.8	239.6
52.5°	4264.2	4130.5	3455.9	1335.2	340.0	313.4	249.3	168.9	188.5	192.8	211.3
55°	4277.2	4112.6	3347.8	1052.7	292.8	264.5	237.9	147.8	170.6	172.2	187.9
57.5°	3749.2	3600.4	2925.7	723.0	260.2	193.9	189.6	129.3	140.1	153.7	163.5
60°	2852.4	2725.8	2188.0	331.4	197.7	123.3	129.8	111.4	104.8	124.9	134.7
62.5°	1747.0	1666.0	1312.4	146.7	126.0	65.7	78.8	88.5	78.8	86.4	94.5
65°	693.7	657.8	498.1	62.5	51.6	33.1	35.9	51.6	55.4	60.8	68.4
67.5°	120.6	114.1	83.7	27.7	21.2	20.1	17.4	23.9	33.7	37.5	43.5
70°	15.8	15.2	13.6	11.4	10.9	9.8	7.6	15.2	22.8	23.9	27.7
72.5°	3.8	3.3	3.3	2.7	3.3	1.1	1.1	8.1	16.3	16.8	19.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	10.3	11.4	13.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	690.4	690.4	690.4	690.4	690.4	690.4	690.4	690.4	690.4	690.4	690.4
2.5°	631.7	620.9	617.1	611.6	604.6	606.8	597.0	593.7	598.6	605.1	603.5
5°	574.2	562.2	554.1	541.6	539.4	534.5	531.3	526.9	532.3	539.9	541.6
7.5°	528.5	518.2	510.1	506.3	503.6	501.4	494.9	491.6	491.6	494.9	497.6
10°	509.0	501.4	499.7	500.8	505.2	504.6	498.7	494.3	488.9	486.2	489.4
12.5°	536.1	523.7	521.5	522.0	527.5	526.9	520.4	515.0	513.9	515.0	525.3
15°	582.3	563.3	549.2	546.5	549.2	548.1	543.2	539.9	541.6	557.3	574.7
17.5°	623.6	594.3	568.7	559.0	558.4	556.8	551.9	550.8	559.0	588.3	613.8
20°	635.6	606.8	570.4	557.9	555.2	553.5	548.1	549.7	560.0	595.4	617.1
22.5°	619.8	592.1	554.1	541.6	539.4	538.9	533.4	535.6	544.3	575.3	593.2
25°	589.9	566.6	526.9	516.0	516.0	515.0	510.1	511.2	516.6	543.7	561.1
27.5°	553.5	531.3	498.1	487.3	488.9	490.5	484.5	482.9	487.3	512.8	523.1
30°	511.7	495.9	469.9	460.1	459.6	466.1	457.9	455.7	461.7	481.8	484.0
32.5°	471.0	463.4	444.9	437.3	437.8	438.9	434.6	434.6	440.0	450.9	450.3
35°	431.3	426.4	423.2	417.7	417.2	415.0	415.0	416.1	422.1	425.9	418.8
37.5°	393.3	398.2	402.0	396.5	392.2	392.2	392.2	397.1	402.5	400.9	388.9
40°	359.6	369.9	381.9	375.9	365.6	365.0	367.2	375.4	383.5	373.7	362.9
42.5°	330.8	343.8	360.7	357.4	346.0	344.4	346.0	356.3	362.9	350.4	338.4
45°	302.6	318.9	339.0	339.0	326.5	324.8	325.4	339.0	342.8	328.1	312.9
47.5°	278.7	296.6	317.8	317.8	307.5	304.2	306.9	321.0	323.8	303.1	289.0
50°	255.9	275.4	298.8	297.1	290.1	287.4	292.2	307.5	304.2	281.4	266.7
52.5°	227.1	247.7	279.8	281.4	277.6	278.1	284.1	293.9	284.6	256.9	244.4
55°	201.0	222.2	254.2	262.9	262.9	262.4	265.1	272.7	265.1	231.9	216.7
57.5°	172.7	190.7	217.3	219.5	221.1	215.1	218.9	229.2	225.4	197.2	188.5
60°	141.8	157.0	172.2	173.8	166.8	154.3	161.3	173.3	176.0	154.8	145.0
62.5°	100.5	115.2	133.1	133.1	126.0	113.5	122.8	133.1	129.3	107.6	101.6
65°	75.0	88.5	102.1	108.1	102.1	93.4	100.5	108.1	102.1	84.2	75.5
67.5°	48.3	57.6	65.7	70.6	71.7	70.6	73.9	71.7	64.6	52.7	47.8
70°	29.3	34.2	38.6	42.9	46.2	47.8	49.4	44.5	37.5	31.0	29.3
72.5°	21.2	25.5	29.3	32.6	36.4	37.5	37.5	34.2	27.7	21.7	20.1
75°	14.7	18.5	21.7	23.9	27.2	28.2	28.2	25.5	20.6	15.8	14.1
77.5°	0.5	3.8	3.8	3.3	4.3	5.4	5.4	6.5	6.0	4.3	3.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	690.4	690.4	690.4	690.4	690.4	690.4	690.4	690.4	690.4	690.4	690.4
2.5°	606.8	626.3	631.7	651.8	669.8	687.7	709.4	722.5	742.0	755.6	763.2
5°	547.0	563.3	582.9	612.7	643.7	677.9	719.2	755.1	800.1	833.3	844.1
7.5°	503.6	524.7	547.6	585.0	627.4	673.0	731.2	789.8	858.8	903.9	932.7
10°	495.4	517.1	547.6	584.5	629.0	681.2	752.3	828.4	914.8	969.6	1002.2
12.5°	534.5	557.9	570.9	587.7	621.4	679.6	770.8	867.5	969.1	1028.8	1063.6
15°	592.1	612.7	591.6	570.4	592.1	662.2	781.1	900.1	1016.9	1085.9	1121.7
17.5°	631.7	633.4	587.2	542.1	548.1	630.7	784.9	932.7	1067.9	1140.2	1177.7
20°	627.9	614.9	568.2	518.2	499.7	589.9	780.6	961.5	1119.5	1195.1	1232.0
22.5°	598.6	583.4	543.7	494.9	459.0	541.6	773.0	987.5	1166.8	1252.6	1287.4
25°	563.3	547.0	514.4	471.5	432.9	494.9	767.0	1023.4	1226.6	1327.6	1354.8
27.5°	522.0	507.9	480.2	449.2	422.1	459.6	765.4	1070.7	1298.8	1418.9	1437.9
30°	481.8	468.8	447.1	429.1	417.7	438.9	759.9	1121.2	1385.2	1523.7	1544.3
32.5°	443.3	430.2	416.6	413.9	414.5	431.3	741.5	1171.2	1487.8	1675.8	1691.0
35°	410.1	394.9	389.5	396.0	407.9	418.3	689.3	1212.4	1598.1	1841.5	1854.0
37.5°	378.6	363.4	362.9	378.6	391.7	398.2	627.9	1253.2	1747.0	2009.9	2025.6
40°	349.8	334.6	340.0	359.1	369.4	372.6	553.5	1315.1	1904.5	2187.5	2178.8
42.5°	325.4	309.6	312.9	337.3	346.6	355.3	485.1	1366.7	2056.0	2355.9	2353.2
45°	301.5	289.5	287.4	314.0	322.1	356.9	435.1	1406.4	2251.0	2570.5	2574.8
47.5°	278.1	268.9	269.4	280.8	300.9	365.0	392.7	1432.4	2534.1	2910.5	2835.0
50°	256.9	249.9	255.9	242.8	287.4	354.7	356.3	1427.0	2850.2	3236.4	3084.9
52.5°	233.6	231.9	234.7	203.2	265.6	312.9	322.1	1354.8	2998.5	3459.1	3372.8
55°	209.7	209.1	187.4	162.4	222.2	249.9	275.9	1130.4	2993.6	3577.6	3682.4
57.5°	181.4	177.1	142.3	132.5	172.7	173.8	251.5	740.4	2653.0	3294.0	3511.3
60°	137.4	134.2	104.3	107.6	120.6	111.4	200.4	368.8	1982.7	2566.1	2811.1
62.5°	95.1	90.7	77.7	83.1	77.7	63.6	122.8	182.5	1201.0	1620.4	1842.6
65°	69.5	64.6	53.2	45.6	36.4	36.4	46.7	70.1	465.0	688.8	830.6
67.5°	42.9	40.7	31.5	22.8	22.3	23.9	24.4	34.8	75.0	119.5	146.1
70°	27.7	25.5	21.2	14.7	13.6	14.1	14.7	16.3	19.0	20.6	25.0
72.5°	19.0	17.9	15.2	8.1	6.5	7.1	7.6	7.6	9.2	8.7	10.3
75°	13.6	12.5	10.9	3.8	2.2	2.7	3.3	2.7	3.3	2.2	2.7
77.5°	3.8	3.8	2.7	0.5	0.0	0.5	1.1	1.1	0.5	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



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CATALOG NUMBER: GWS-SA1E-740-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	690.4	690.4	690.4	690.4	690.4	690.4	690.4	690.4	690.4	690.4
2.5°	782.8	795.3	800.1	793.1	799.1	789.3	785.5	770.8	769.7	767.0
5°	888.1	916.4	933.2	943.5	931.6	918.6	899.0	865.3	855.0	848.5
7.5°	991.9	1035.9	1064.7	1078.3	1075.0	1048.4	1013.1	956.6	936.5	926.7
10°	1082.1	1135.8	1170.6	1187.4	1180.4	1157.0	1106.5	1035.9	1009.3	1003.3
12.5°	1145.1	1194.5	1218.4	1233.1	1233.6	1224.4	1176.6	1105.4	1073.9	1066.3
15°	1184.7	1205.9	1206.5	1215.2	1230.4	1251.0	1228.7	1165.7	1132.0	1120.6
17.5°	1209.7	1186.4	1162.5	1164.6	1189.6	1244.5	1267.3	1219.0	1183.1	1170.6
20°	1227.6	1153.8	1109.2	1109.8	1135.3	1218.4	1293.9	1270.6	1233.6	1222.2
22.5°	1239.1	1125.0	1061.4	1059.8	1087.0	1187.4	1318.4	1331.9	1295.5	1282.5
25°	1262.4	1111.4	1032.6	1041.9	1065.8	1177.7	1351.5	1413.4	1379.7	1362.4
27.5°	1304.2	1125.0	1029.9	1051.1	1078.3	1206.5	1409.1	1522.1	1487.3	1467.7
30°	1376.5	1176.0	1071.7	1101.1	1133.7	1282.0	1505.8	1673.6	1623.6	1605.2
32.5°	1492.7	1282.0	1201.0	1264.0	1295.5	1405.8	1650.8	1843.6	1802.9	1766.0
35°	1653.0	1523.7	1514.5	1661.1	1653.5	1640.5	1829.0	2052.2	1990.9	1955.0
37.5°	1873.5	1912.6	1981.1	2126.7	2121.8	2022.4	2063.1	2249.4	2217.9	2171.7
40°	2148.9	2232.0	2348.3	2556.9	2491.7	2366.7	2350.5	2451.5	2426.0	2371.6
42.5°	2311.3	2454.7	2676.4	2863.8	2811.6	2593.3	2574.8	2721.5	2665.5	2606.3
45°	2386.8	2636.2	3070.7	3324.4	3166.3	2743.7	2736.7	3073.5	3042.0	2962.6
47.5°	2421.6	2819.2	3532.5	3916.5	3621.0	2875.7	2850.2	3584.1	3542.8	3449.4
50°	2460.2	3071.8	4088.7	4602.6	4170.2	3025.1	3043.6	4059.9	4042.5	3932.3
52.5°	2544.9	3339.1	4773.7	5387.0	4836.2	3259.2	3375.5	4508.6	4391.3	4264.2
55°	2672.0	3630.2	5486.4	6188.2	5515.7	3573.8	3734.5	4747.1	4417.9	4277.2
57.5°	2531.3	3703.0	5908.5	6747.7	5817.2	3574.8	3430.9	4333.7	3885.6	3749.2
60°	2008.8	3445.0	5746.0	6626.6	5560.3	3174.5	2626.9	3383.6	2943.6	2852.4
62.5°	1358.0	2889.3	5058.3	5604.3	4759.0	2497.1	1707.3	2200.5	1822.5	1747.0
65°	744.2	2155.4	4087.1	4239.7	3724.8	1744.2	878.4	955.0	727.4	693.7
67.5°	205.3	1500.3	3007.2	2812.7	2613.4	1135.8	227.1	170.6	121.7	120.6
70°	51.6	992.4	1801.8	1857.2	1602.5	727.4	43.5	20.6	16.3	15.8
72.5°	21.7	427.0	855.0	982.7	820.2	336.8	15.8	6.0	4.9	3.8
75°	2.7	34.2	72.8	110.3	75.5	36.4	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	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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