

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: P632319

Luminaire Tested: GWS-SA2C-740-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632319
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-SA2C-740-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4962.9 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

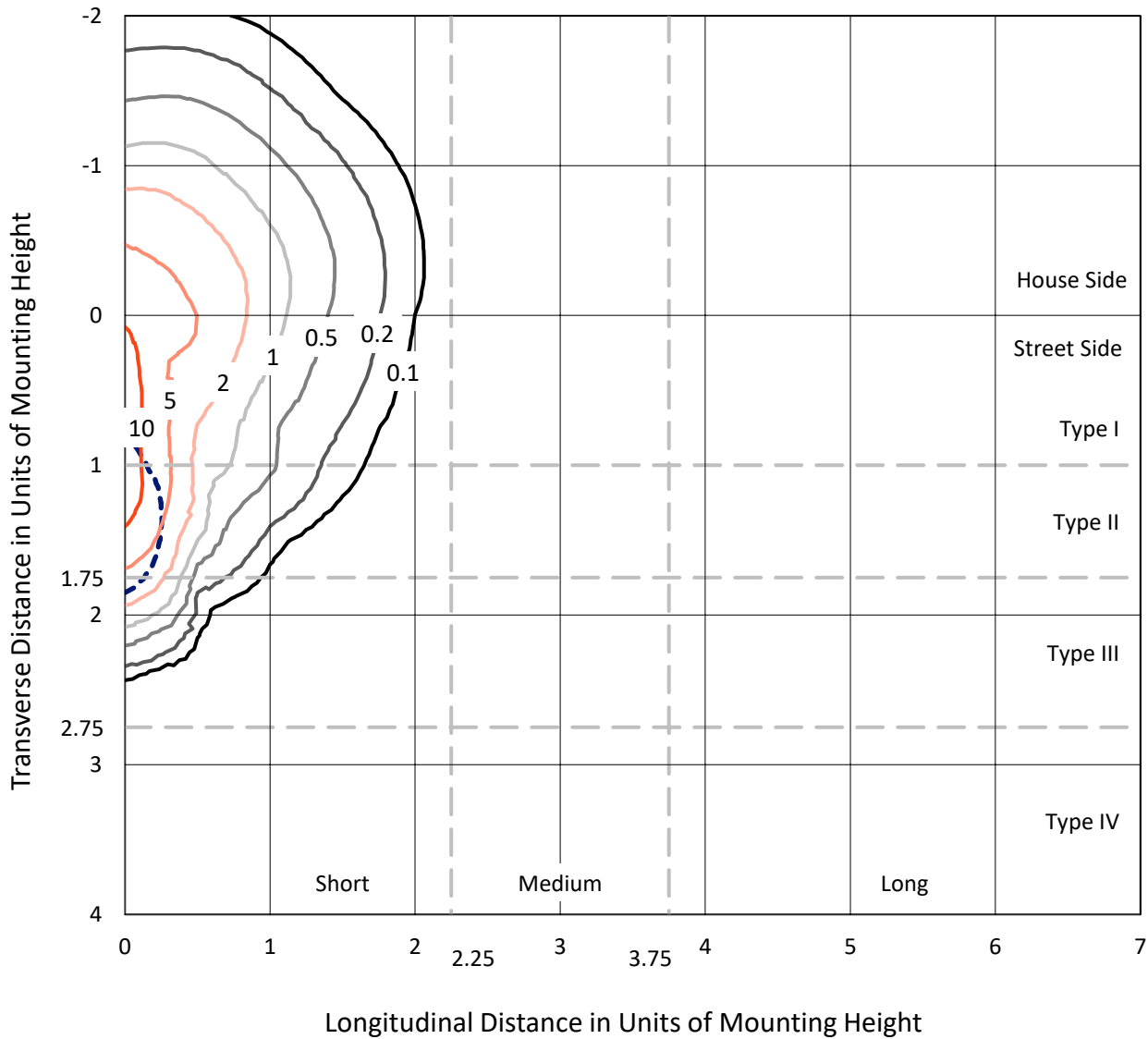
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

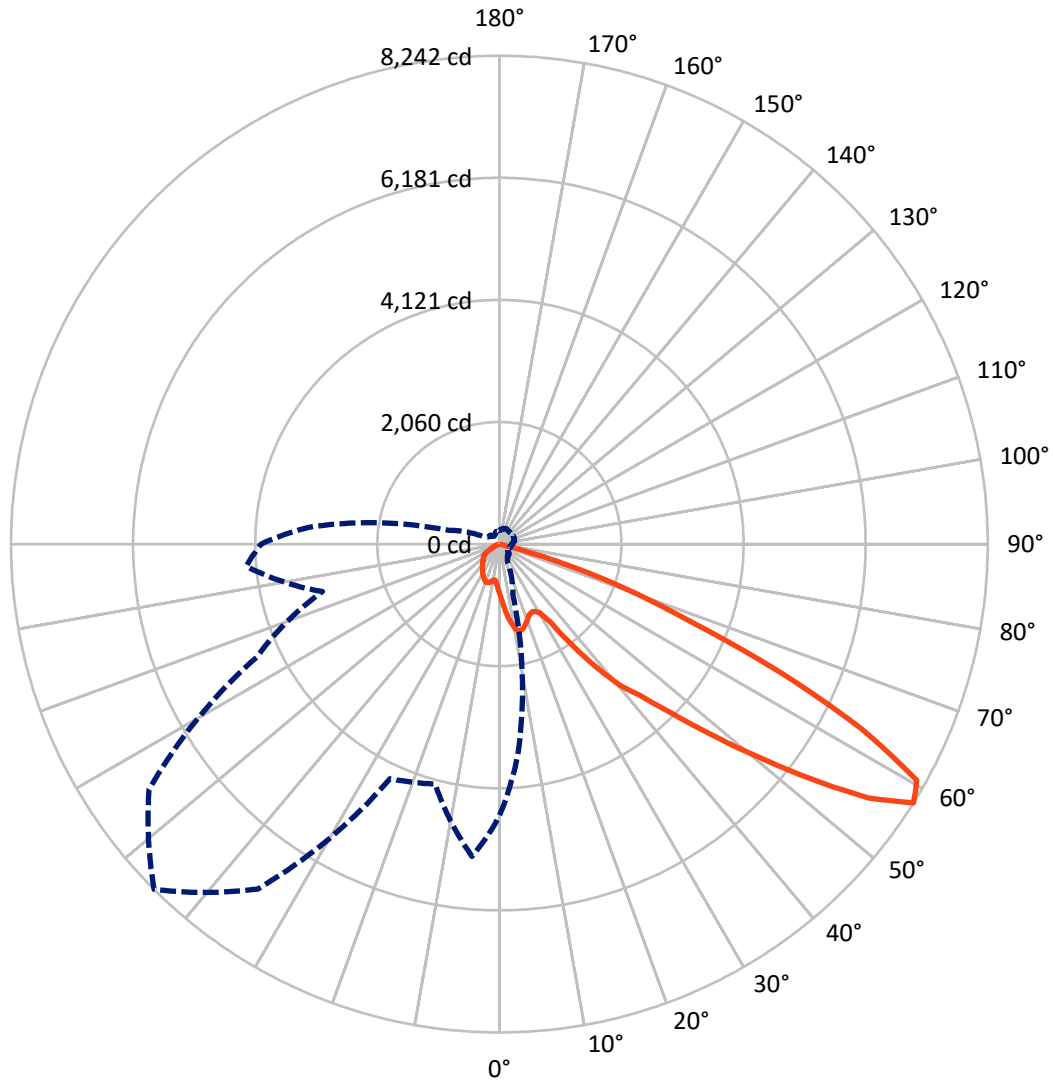
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.2 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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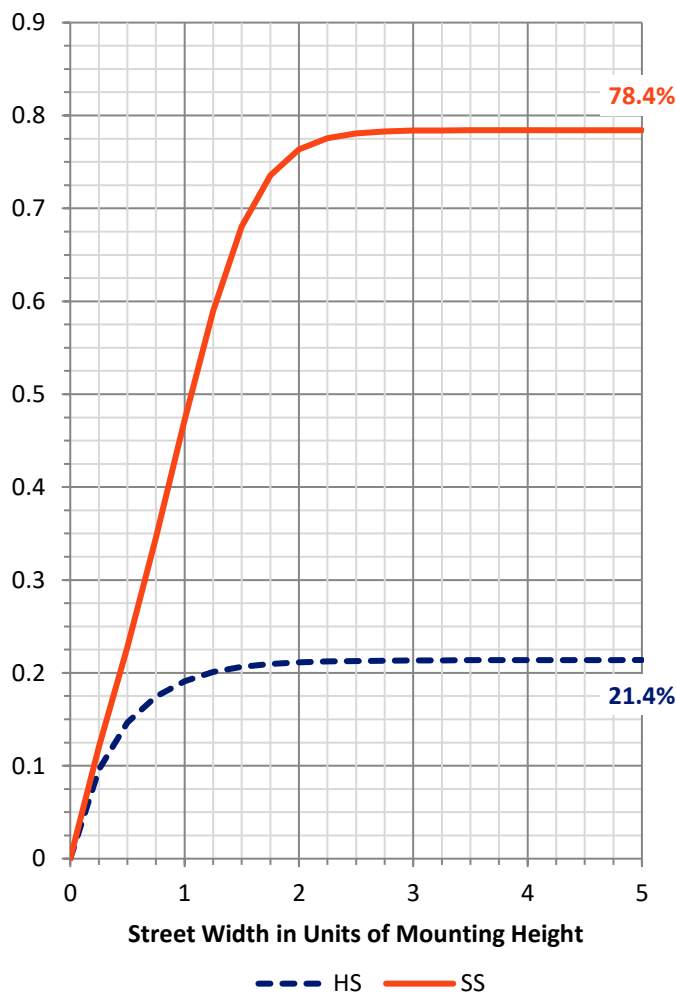
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1069.2	0.0	1069.2
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	3893.7	0.0	3893.7
	% Fixture	78.5	0.0	78.5
Total	Lumens	4962.9	0.0	4962.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.3	1.7
10°-20°	274.3	5.5
20°-30°	445.1	9.0
30°-40°	683.1	13.8
40°-50°	1091.0	22.0
50°-60°	1527.5	30.8
60°-70°	783.2	15.8
70°-80°	75.4	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°	4962.9	100.0
0°-180°	4962.9	100.0

Coefficient of Utilization



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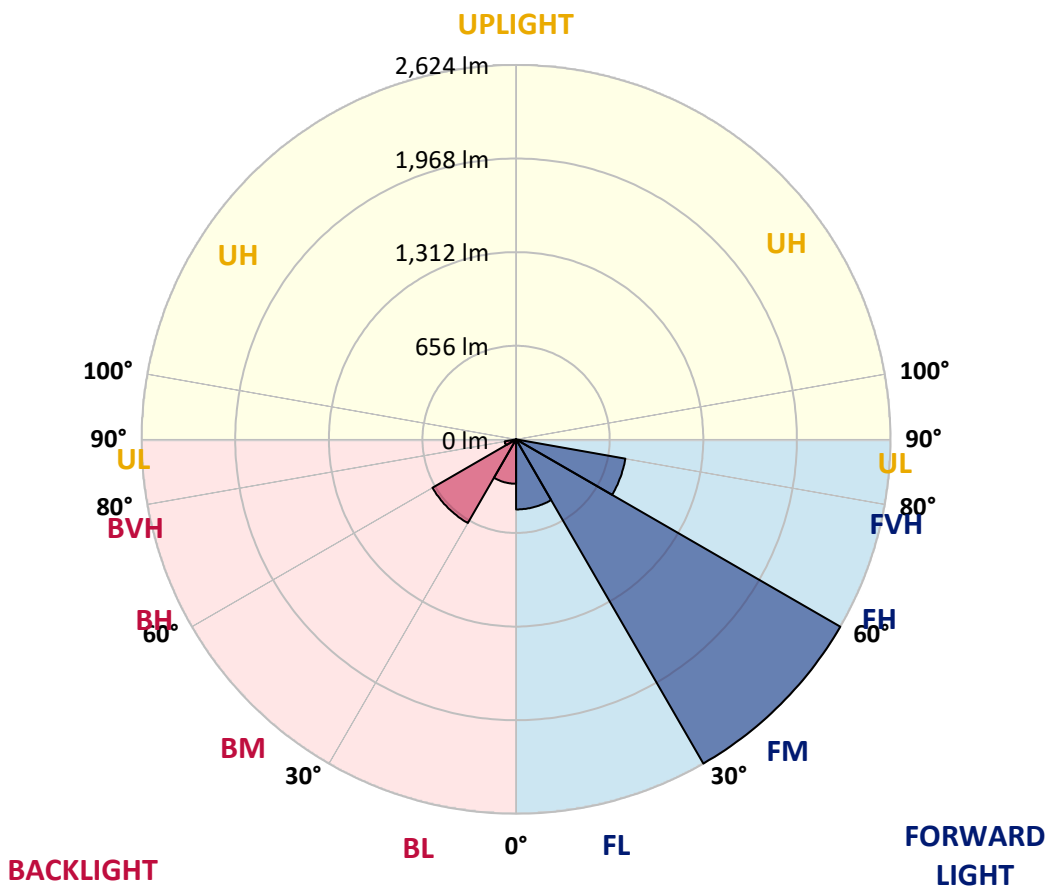
CATALOG NUMBER: GWS-SA2C-740-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	491.4	9.9			
FM (30°-60°)	2624.5	52.9			
FH (60°-80°)	777.9	15.7			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	311.3	6.3	B1/500		
BM (30°-60°)	677.1	13.6	B1/1000		
BH (60°-80°)	80.8	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	843.3	843.3	843.3	843.3	843.3	843.3	843.3	843.3	843.3	843.3	843.3
2.5°	936.8	934.8	928.2	905.6	891.7	869.8	853.9	833.3	810.8	796.8	782.9
5°	1036.3	1031.0	1013.1	961.4	921.6	878.4	843.9	806.1	765.6	739.1	714.6
7.5°	1131.9	1123.9	1100.0	1012.5	952.1	890.4	841.3	786.2	729.2	689.3	658.8
10°	1225.4	1207.5	1169.7	1062.2	980.6	906.3	848.6	785.5	718.5	668.1	634.3
12.5°	1302.4	1289.1	1237.4	1109.3	1004.5	909.6	838.6	780.2	735.1	701.3	670.1
15°	1368.7	1354.1	1305.0	1151.8	1025.1	896.3	796.8	745.7	753.0	766.3	739.8
17.5°	1429.8	1414.5	1361.4	1186.9	1033.0	863.8	738.4	713.9	754.4	804.1	794.2
20°	1492.8	1475.6	1410.5	1215.5	1030.4	812.8	679.4	686.7	743.7	800.8	806.1
22.5°	1566.5	1548.5	1472.9	1252.0	1028.4	751.7	628.3	662.8	723.8	772.3	781.6
25°	1664.0	1642.8	1559.8	1305.7	1033.7	696.0	591.8	639.6	690.0	733.8	739.1
27.5°	1792.7	1765.5	1660.0	1372.1	1045.0	652.2	575.9	607.7	646.9	686.0	690.7
30°	1960.6	1926.1	1774.8	1429.8	1039.7	621.7	565.3	575.9	599.1	631.0	631.6
32.5°	2156.9	2109.8	1903.5	1479.5	993.9	599.1	550.7	543.4	548.7	573.2	577.9
35°	2387.8	2326.8	2045.5	1526.6	910.3	555.3	524.1	499.6	497.6	509.5	520.8
37.5°	2652.6	2579.6	2224.6	1587.0	811.4	509.5	485.0	460.4	449.8	455.8	473.1
40°	2896.7	2815.8	2411.7	1660.0	710.6	468.4	439.2	414.0	401.4	403.4	424.6
42.5°	3183.3	3099.7	2640.6	1755.5	627.0	440.5	391.4	365.6	349.0	358.3	382.8
45°	3618.6	3523.7	2974.3	1838.5	560.6	433.9	349.6	313.2	305.2	321.1	350.3
47.5°	4213.0	4096.9	3432.8	1888.9	504.2	439.9	320.5	270.7	272.7	290.6	319.8
50°	4802.9	4677.5	3962.9	1822.6	457.8	427.9	305.9	237.5	250.1	266.1	292.6
52.5°	5208.2	5045.0	4221.0	1630.8	415.3	382.8	304.5	206.3	230.2	235.5	258.1
55°	5224.2	5023.1	4089.0	1285.8	357.6	323.1	290.6	180.5	208.3	210.3	229.6
57.5°	4579.3	4397.5	3573.4	883.1	317.8	236.9	231.6	157.9	171.2	187.8	199.7
60°	3483.9	3329.3	2672.5	404.7	241.5	150.6	158.6	136.0	128.0	152.6	164.5
62.5°	2133.7	2034.9	1602.9	179.1	153.9	80.3	96.2	108.1	96.2	105.5	115.4
65°	847.3	803.5	608.4	76.3	63.0	40.5	43.8	63.0	67.7	74.3	83.6
67.5°	147.3	139.3	102.2	33.8	25.9	24.5	21.2	29.2	41.1	45.8	53.1
70°	19.2	18.6	16.6	13.9	13.3	11.9	9.3	18.6	27.9	29.2	33.8
72.5°	4.6	4.0	4.0	3.3	4.0	1.3	1.3	10.0	19.9	20.6	23.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	12.6	13.9	16.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
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°	843.3	843.3	843.3	843.3	843.3	843.3	843.3	843.3	843.3	843.3	843.3
2.5°	771.6	758.3	753.7	747.1	738.4	741.1	729.2	725.2	731.1	739.1	737.1
5°	701.3	686.7	676.7	661.5	658.8	652.9	648.9	643.6	650.2	659.5	661.5
7.5°	645.6	633.0	623.0	618.4	615.0	612.4	604.4	600.4	600.4	604.4	607.7
10°	621.7	612.4	610.4	611.7	617.0	616.4	609.1	603.8	597.1	593.8	597.8
12.5°	654.8	639.6	636.9	637.6	644.2	643.6	635.6	629.0	627.6	629.0	641.6
15°	711.2	688.0	670.8	667.5	670.8	669.4	663.5	659.5	661.5	680.7	702.0
17.5°	761.7	725.8	694.7	682.7	682.0	680.1	674.1	672.8	682.7	718.5	749.7
20°	776.3	741.1	696.6	681.4	678.1	676.1	669.4	671.4	684.0	727.2	753.7
22.5°	757.0	723.2	676.7	661.5	658.8	658.2	651.5	654.2	664.8	702.6	724.5
25°	720.5	692.0	643.6	630.3	630.3	629.0	623.0	624.3	631.0	664.1	685.4
27.5°	676.1	648.9	608.4	595.1	597.1	599.1	591.8	589.8	595.1	626.3	638.9
30°	625.0	605.7	573.9	562.0	561.3	569.3	559.3	556.7	563.9	588.5	591.2
32.5°	575.2	565.9	543.4	534.1	534.8	536.1	530.8	530.8	537.4	550.7	550.0
35°	526.8	520.8	516.8	510.2	509.5	506.9	506.9	508.2	515.5	520.2	511.5
37.5°	480.4	486.3	491.0	484.3	479.0	479.0	479.0	485.0	491.6	489.6	475.0
40°	439.2	451.8	466.4	459.1	446.5	445.9	448.5	458.5	468.4	456.5	443.2
42.5°	404.1	420.0	440.5	436.6	422.6	420.6	422.6	435.2	443.2	427.9	413.3
45°	369.6	389.5	414.0	414.0	398.7	396.8	397.4	414.0	418.6	400.7	382.2
47.5°	340.4	362.3	388.1	388.1	375.5	371.5	374.9	392.1	395.4	370.2	353.0
50°	312.5	336.4	364.9	362.9	354.3	351.0	356.9	375.5	371.5	343.7	325.8
52.5°	277.3	302.5	341.7	343.7	339.0	339.7	347.0	358.9	347.7	313.8	298.6
55°	245.5	271.4	310.5	321.1	321.1	320.5	323.8	333.1	323.8	283.3	264.7
57.5°	211.0	232.9	265.4	268.0	270.0	262.7	267.4	280.0	275.3	240.8	230.2
60°	173.2	191.7	210.3	212.3	203.7	188.4	197.1	211.6	215.0	189.1	177.1
62.5°	122.7	140.7	162.6	162.6	153.9	138.7	149.9	162.6	157.9	131.4	124.1
65°	91.6	108.1	124.7	132.0	124.7	114.1	122.7	132.0	124.7	102.8	92.2
67.5°	59.0	70.3	80.3	86.3	87.6	86.3	90.2	87.6	79.0	64.4	58.4
70°	35.8	41.8	47.1	52.4	56.4	58.4	60.4	54.4	45.8	37.8	35.8
72.5°	25.9	31.2	35.8	39.8	44.5	45.8	45.8	41.8	33.8	26.5	24.5
75°	17.9	22.6	26.5	29.2	33.2	34.5	34.5	31.2	25.2	19.2	17.3
77.5°	0.7	4.6	4.6	4.0	5.3	6.6	6.6	8.0	7.3	5.3	4.6
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°	843.3	843.3	843.3	843.3	843.3	843.3	843.3	843.3	843.3	843.3	843.3
2.5°	741.1	765.0	771.6	796.2	818.1	840.0	866.5	882.4	906.3	922.9	932.2
5°	668.1	688.0	711.9	748.4	786.2	828.0	878.4	922.2	977.3	1017.8	1031.0
7.5°	615.0	640.9	668.8	714.6	766.3	822.0	893.0	964.7	1048.9	1104.0	1139.2
10°	605.1	631.6	668.8	713.9	768.3	832.0	918.9	1011.8	1117.3	1184.3	1224.1
12.5°	652.9	681.4	697.3	717.9	759.0	830.0	941.5	1059.6	1183.6	1256.6	1299.1
15°	723.2	748.4	722.5	696.6	723.2	808.8	954.1	1099.4	1242.0	1326.3	1370.1
17.5°	771.6	773.6	717.2	662.1	669.4	770.3	958.7	1139.2	1304.4	1392.6	1438.4
20°	767.0	751.0	694.0	633.0	610.4	720.5	953.4	1174.3	1367.4	1459.6	1504.7
22.5°	731.1	712.6	664.1	604.4	560.6	661.5	944.1	1206.2	1425.1	1530.0	1572.4
25°	688.0	668.1	628.3	575.9	528.8	604.4	936.8	1250.0	1498.1	1621.5	1654.7
27.5°	637.6	620.3	586.5	548.7	515.5	561.3	934.8	1307.7	1586.4	1733.0	1756.2
30°	588.5	572.6	546.0	524.1	510.2	536.1	928.2	1369.4	1691.8	1861.0	1886.2
32.5°	541.4	525.5	508.9	505.6	506.2	526.8	905.6	1430.4	1817.2	2046.8	2065.4
35°	500.9	482.3	475.7	483.7	498.3	510.9	841.9	1480.9	1951.9	2249.2	2264.4
37.5°	462.4	443.9	443.2	462.4	478.4	486.3	767.0	1530.6	2133.7	2454.8	2474.1
40°	427.3	408.7	415.3	438.6	451.2	455.1	676.1	1606.3	2326.1	2671.8	2661.2
42.5°	397.4	378.2	382.2	412.0	423.3	433.9	592.5	1669.3	2511.2	2877.5	2874.2
45°	368.2	353.6	351.0	383.5	393.4	435.9	531.4	1717.7	2749.4	3139.5	3144.8
47.5°	339.7	328.4	329.1	343.0	367.6	445.9	479.7	1749.6	3095.1	3554.9	3462.6
50°	313.8	305.2	312.5	296.6	351.0	433.2	435.2	1742.9	3481.2	3953.0	3767.8
52.5°	285.3	283.3	286.6	248.1	324.4	382.2	393.4	1654.7	3662.4	4225.0	4119.5
55°	256.1	255.4	228.9	198.4	271.4	305.2	337.0	1380.7	3656.4	4369.6	4497.7
57.5°	221.6	216.3	173.8	161.9	211.0	212.3	307.2	904.3	3240.4	4023.3	4288.7
60°	167.9	163.9	127.4	131.4	147.3	136.0	244.8	450.5	2421.7	3134.2	3433.5
62.5°	116.1	110.8	94.9	101.5	94.9	77.6	149.9	222.9	1466.9	1979.1	2250.5
65°	84.9	79.0	65.0	55.7	44.5	44.5	57.1	85.6	567.9	841.3	1014.4
67.5°	52.4	49.8	38.5	27.9	27.2	29.2	29.9	42.5	91.6	146.0	178.5
70°	33.8	31.2	25.9	17.9	16.6	17.3	17.9	19.9	23.2	25.2	30.5
72.5°	23.2	21.9	18.6	10.0	8.0	8.6	9.3	9.3	11.3	10.6	12.6
75°	16.6	15.3	13.3	4.6	2.7	3.3	4.0	3.3	4.0	2.7	3.3
77.5°	4.6	4.6	3.3	0.7	0.0	0.7	1.3	1.3	0.7	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	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-SA2C-740-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	843.3	843.3	843.3	843.3	843.3	843.3	843.3	843.3	843.3	843.3
2.5°	956.1	971.3	977.3	968.7	976.0	964.0	959.4	941.5	940.1	936.8
5°	1084.8	1119.3	1139.8	1152.4	1137.9	1121.9	1098.0	1056.9	1044.3	1036.3
7.5°	1211.5	1265.2	1300.4	1317.0	1313.0	1280.5	1237.4	1168.4	1143.8	1131.9
10°	1321.6	1387.3	1429.8	1450.3	1441.7	1413.2	1351.5	1265.2	1232.7	1225.4
12.5°	1398.6	1459.0	1488.2	1506.1	1506.7	1495.5	1437.1	1350.2	1311.7	1302.4
15°	1447.0	1472.9	1473.6	1484.2	1502.8	1528.0	1500.8	1423.8	1382.7	1368.7
17.5°	1477.5	1449.0	1419.8	1422.5	1453.0	1520.0	1547.9	1488.8	1445.0	1429.8
20°	1499.4	1409.2	1354.8	1355.5	1386.7	1488.2	1580.4	1551.9	1506.7	1492.8
22.5°	1513.4	1374.0	1296.4	1294.4	1327.6	1450.3	1610.2	1626.8	1582.4	1566.5
25°	1541.9	1357.5	1261.3	1272.5	1301.7	1438.4	1650.7	1726.3	1685.2	1664.0
27.5°	1593.0	1374.0	1257.9	1283.8	1317.0	1473.6	1721.0	1859.0	1816.6	1792.7
30°	1681.2	1436.4	1309.0	1344.9	1384.7	1565.8	1839.1	2044.2	1983.1	1960.6
32.5°	1823.2	1565.8	1466.9	1543.9	1582.4	1717.1	2016.3	2251.8	2202.1	2156.9
35°	2018.9	1861.0	1849.8	2028.9	2019.6	2003.7	2233.9	2506.6	2431.6	2387.8
37.5°	2288.3	2336.1	2419.7	2597.5	2591.5	2470.1	2519.9	2747.4	2708.9	2652.6
40°	2624.7	2726.2	2868.2	3123.0	3043.3	2890.7	2870.8	2994.2	2963.1	2896.7
42.5°	2823.1	2998.2	3268.9	3497.8	3434.1	3167.4	3144.8	3324.0	3255.6	3183.3
45°	2915.3	3219.8	3750.6	4060.4	3867.4	3351.2	3342.6	3753.9	3715.4	3618.6
47.5°	2957.7	3443.4	4314.5	4783.6	4422.7	3512.4	3481.2	4377.6	4327.2	4213.0
50°	3004.9	3751.9	4993.9	5621.6	5093.5	3694.9	3717.4	4958.8	4937.5	4802.9
52.5°	3108.4	4078.3	5830.6	6579.6	5906.9	3980.8	4122.8	5506.8	5363.5	5208.2
55°	3263.6	4434.0	6701.0	7558.2	6736.9	4365.0	4561.4	5798.1	5396.0	5224.2
57.5°	3091.8	4522.9	7216.6	8241.6	7105.1	4366.3	4190.5	5293.2	4745.8	4579.3
60°	2453.5	4207.7	7018.2	8093.7	6791.3	3877.3	3208.5	4132.8	3595.3	3483.9
62.5°	1658.7	3529.0	6178.2	6845.0	5812.7	3050.0	2085.3	2687.7	2225.9	2133.7
65°	909.0	2632.6	4991.9	5178.4	4549.4	2130.4	1072.8	1166.4	888.4	847.3
67.5°	250.8	1832.5	3673.0	3435.4	3192.0	1387.3	277.3	208.3	148.6	147.3
70°	63.0	1212.2	2200.7	2268.4	1957.2	888.4	53.1	25.2	19.9	19.2
72.5°	26.5	521.5	1044.3	1200.2	1001.8	411.4	19.2	7.3	6.0	4.6
75°	3.3	41.8	88.9	134.7	92.2	44.5	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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