

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: P632429

Luminaire Tested: GWS-SA2C-760-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632429
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5007 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

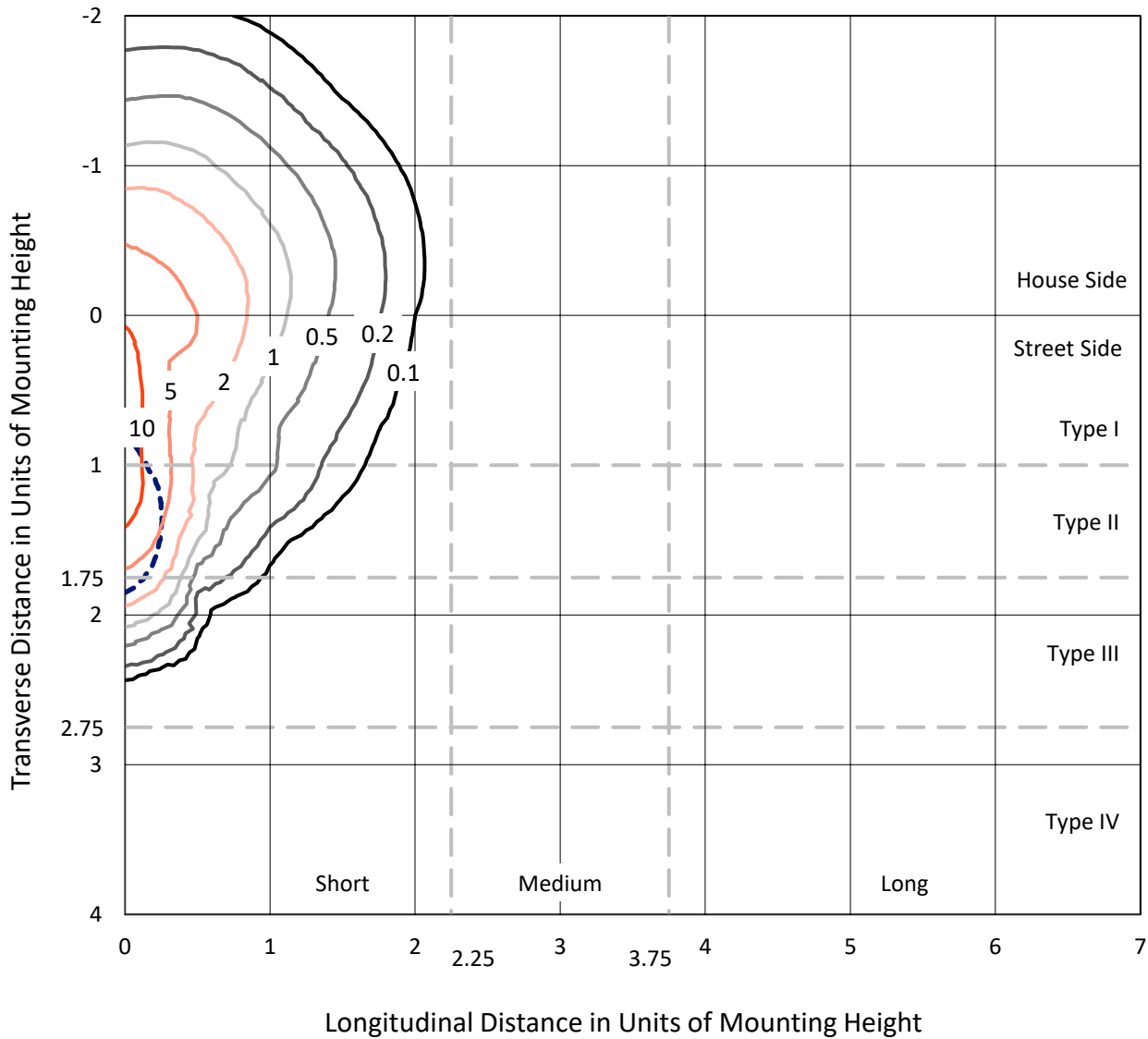
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

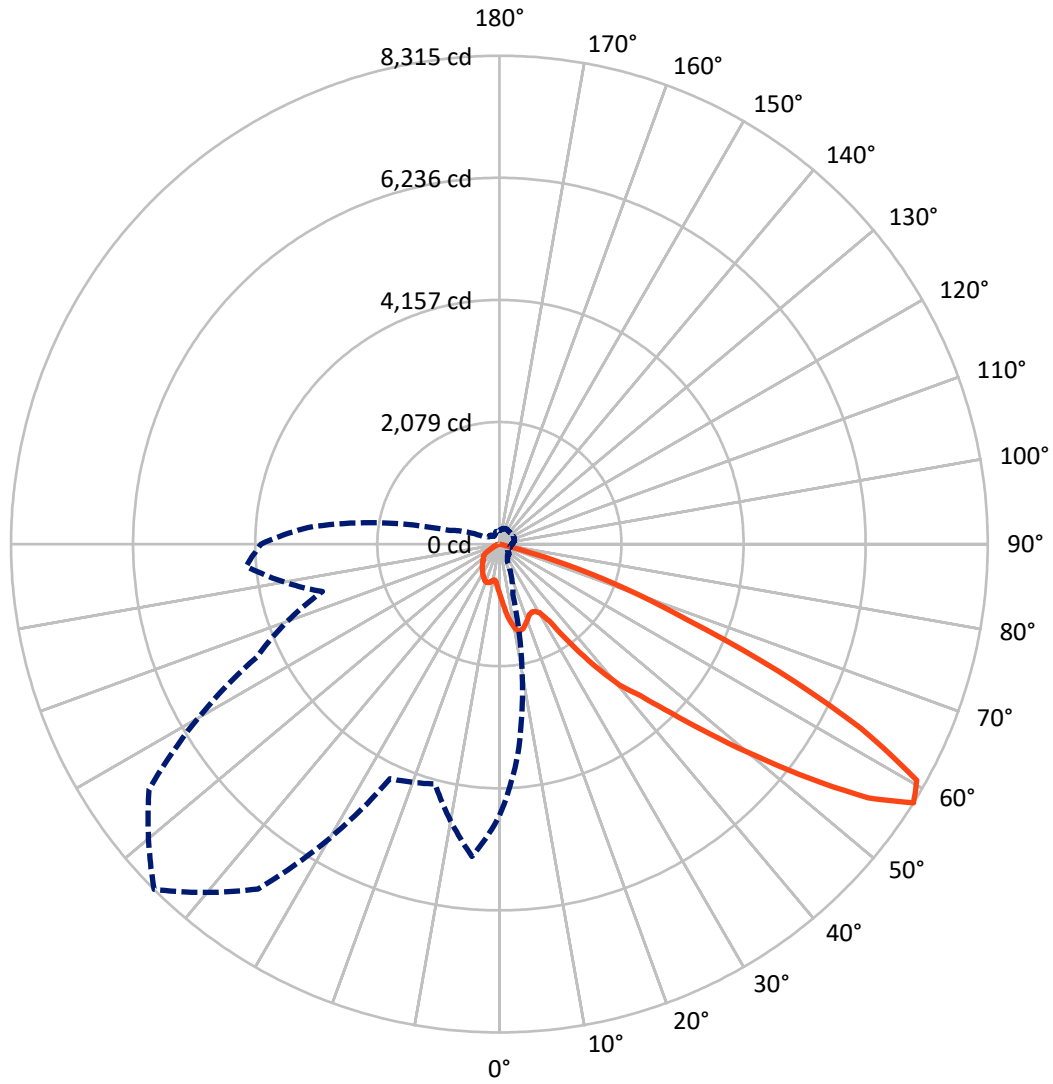
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.4 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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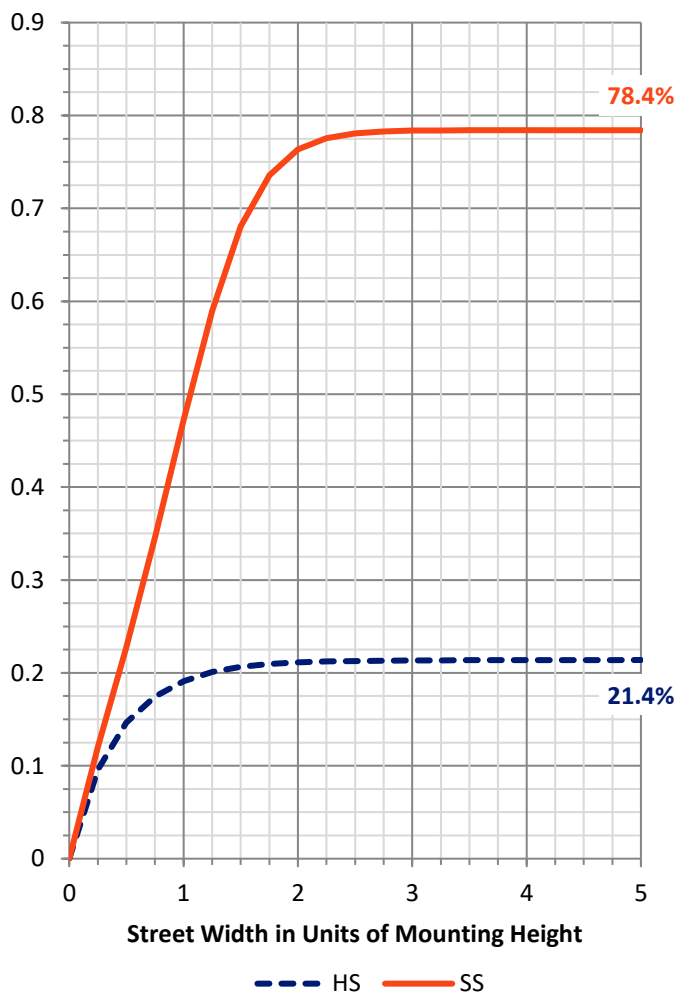
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1078.7	0.0	1078.7
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	3928.3	0.0	3928.3
	% Fixture	78.5	0.0	78.5
Total	Lumens	5007.0	0.0	5007.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.1	1.7
10°-20°	276.7	5.5
20°-30°	449.0	9.0
30°-40°	689.2	13.8
40°-50°	1100.7	22.0
50°-60°	1541.1	30.8
60°-70°	790.2	15.8
70°-80°	76.1	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°	5007.0	100.0
0°-180°	5007.0	100.0

Coefficient of Utilization



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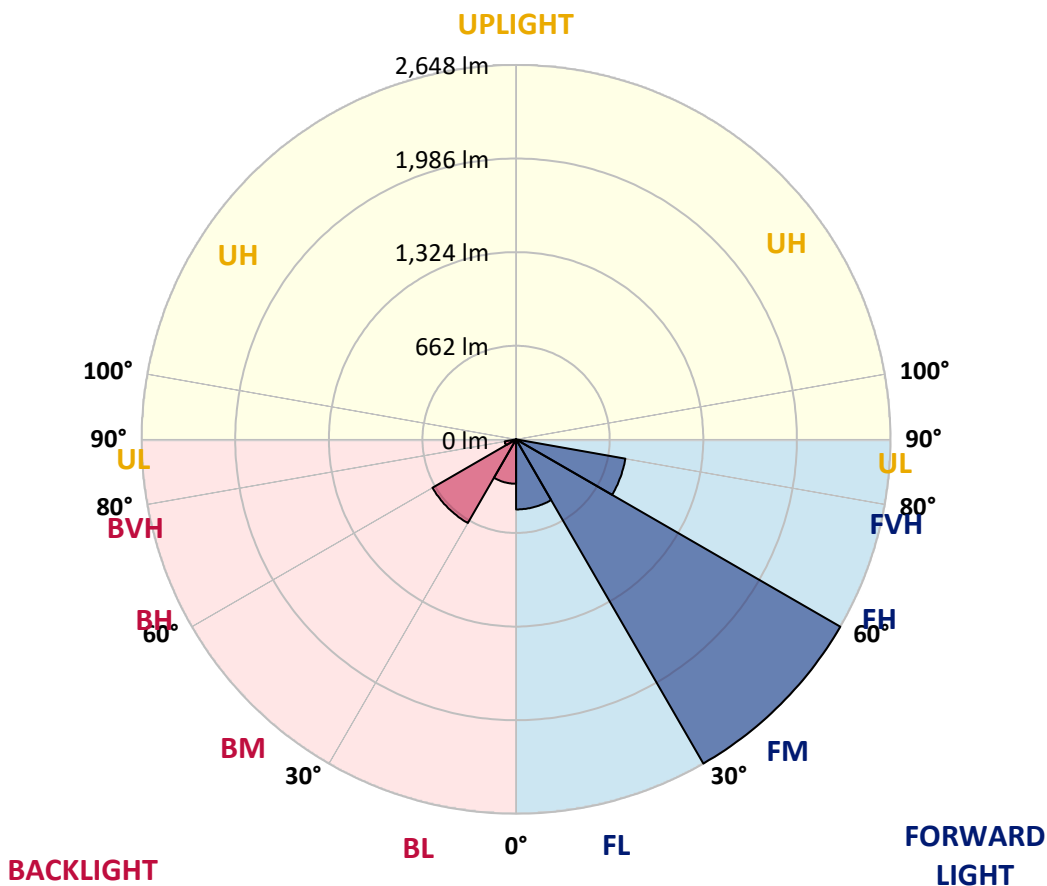
CATALOG NUMBER: GWS-SA2C-760-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	495.7	9.9			
FM (30°-60°)	2647.8	52.9			
FH (60°-80°)	784.8	15.7			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	314.1	6.3	B1/500		
BM (30°-60°)	683.1	13.6	B1/1000		
BH (60°-80°)	81.5	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°	850.8	850.8	850.8	850.8	850.8	850.8	850.8	850.8	850.8	850.8	850.8
2.5°	945.1	943.1	936.4	913.7	899.6	877.5	861.5	840.7	818.0	803.9	789.9
5°	1045.5	1040.2	1022.1	969.9	929.7	886.2	851.4	813.3	772.4	745.7	720.9
7.5°	1141.9	1133.9	1109.8	1021.5	960.5	898.3	848.8	793.2	735.6	695.5	664.7
10°	1236.3	1218.2	1180.1	1071.7	989.3	914.4	856.1	792.5	724.9	674.1	639.9
12.5°	1314.0	1300.6	1248.4	1119.2	1013.4	917.7	846.1	787.2	741.7	707.5	676.1
15°	1380.9	1366.2	1316.6	1162.0	1034.2	904.3	803.9	752.4	759.7	773.1	746.3
17.5°	1442.5	1427.1	1373.5	1197.5	1042.2	871.5	745.0	720.2	761.1	811.3	801.2
20°	1506.1	1488.7	1423.1	1226.3	1039.5	820.0	685.4	692.8	750.4	807.9	813.3
22.5°	1580.4	1562.3	1486.0	1263.1	1037.5	758.4	633.9	668.7	730.3	779.1	788.5
25°	1678.8	1657.3	1573.7	1317.3	1042.9	702.2	597.1	645.3	696.1	740.3	745.7
27.5°	1808.6	1781.2	1674.8	1384.2	1054.3	658.0	581.0	613.1	652.6	692.1	696.8
30°	1978.0	1943.2	1790.6	1442.5	1048.9	627.2	570.3	581.0	604.4	636.6	637.2
32.5°	2176.1	2128.6	1920.4	1492.7	1002.7	604.4	555.6	548.2	553.6	578.3	583.0
35°	2409.0	2347.5	2063.7	1540.2	918.4	560.3	528.8	504.0	502.0	514.1	525.5
37.5°	2676.1	2602.5	2244.4	1601.1	818.6	514.1	489.3	464.5	453.8	459.9	477.3
40°	2922.4	2840.8	2433.1	1674.8	716.9	472.6	443.1	417.7	405.0	407.0	428.4
42.5°	3211.6	3127.3	2664.1	1771.1	632.6	444.5	394.9	368.8	352.1	361.5	386.2
45°	3650.7	3555.0	3000.8	1854.8	565.6	437.8	352.8	315.9	307.9	324.0	353.4
47.5°	4250.5	4133.3	3463.3	1905.7	508.7	443.8	323.3	273.1	275.1	293.2	322.6
50°	4845.5	4719.0	3998.1	1838.7	461.9	431.7	308.6	239.6	252.4	268.4	295.2
52.5°	5254.5	5089.9	4258.5	1645.3	419.0	386.2	307.2	208.2	232.3	237.6	260.4
55°	5270.6	5067.8	4125.3	1297.2	360.8	326.0	293.2	182.1	210.2	212.2	231.6
57.5°	4620.0	4436.6	3605.2	890.9	320.6	239.0	233.6	159.3	172.7	189.4	201.5
60°	3514.8	3358.9	2696.2	408.3	243.6	151.9	160.0	137.2	129.2	154.0	166.0
62.5°	2152.7	2052.9	1617.2	180.7	155.3	81.0	97.1	109.1	97.1	106.4	116.5
65°	854.8	810.6	613.8	77.0	63.6	40.8	44.2	63.6	68.3	75.0	84.3
67.5°	148.6	140.6	103.1	34.1	26.1	24.8	21.4	29.5	41.5	46.2	53.5
70°	19.4	18.7	16.7	14.1	13.4	12.0	9.4	18.7	28.1	29.5	34.1
72.5°	4.7	4.0	4.0	3.3	4.0	1.3	1.3	10.0	20.1	20.8	24.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	12.7	14.1	16.7
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°	850.8	850.8	850.8	850.8	850.8	850.8	850.8	850.8	850.8	850.8	850.8
2.5°	778.5	765.1	760.4	753.7	745.0	747.7	735.6	731.6	737.6	745.7	743.7
5°	707.5	692.8	682.8	667.4	664.7	658.7	654.6	649.3	656.0	665.3	667.4
7.5°	651.3	638.6	628.5	623.8	620.5	617.8	609.8	605.8	605.8	609.8	613.1
10°	627.2	617.8	615.8	617.2	622.5	621.8	614.5	609.1	602.4	599.1	603.1
12.5°	660.7	645.3	642.6	643.3	650.0	649.3	641.3	634.6	633.2	634.6	647.3
15°	717.6	694.1	676.7	673.4	676.7	675.4	669.4	665.3	667.4	686.8	708.2
17.5°	768.4	732.3	700.8	688.8	688.1	686.1	680.1	678.7	688.8	724.9	756.4
20°	783.2	747.7	702.8	687.4	684.1	682.1	675.4	677.4	690.1	733.6	760.4
22.5°	763.7	729.6	682.8	667.4	664.7	664.0	657.3	660.0	670.7	708.9	730.9
25°	726.9	698.1	649.3	635.9	635.9	634.6	628.5	629.9	636.6	670.0	691.5
27.5°	682.1	654.6	613.8	600.4	602.4	604.4	597.1	595.1	600.4	631.9	644.6
30°	630.5	611.1	579.0	567.0	566.3	574.3	564.3	561.6	569.0	593.7	596.4
32.5°	580.3	571.0	548.2	538.8	539.5	540.8	535.5	535.5	542.2	555.6	554.9
35°	531.5	525.5	521.4	514.7	514.1	511.4	511.4	512.7	520.1	524.8	516.1
37.5°	484.6	490.6	495.3	488.6	483.3	483.3	483.3	489.3	496.0	494.0	479.3
40°	443.1	455.8	470.6	463.2	450.5	449.8	452.5	462.5	472.6	460.5	447.1
42.5°	407.6	423.7	444.5	440.4	426.4	424.4	426.4	439.1	447.1	431.7	417.0
45°	372.8	392.9	417.7	417.7	402.3	400.3	400.9	417.7	422.4	404.3	385.6
47.5°	343.4	365.5	391.6	391.6	378.9	374.8	378.2	395.6	398.9	373.5	356.1
50°	315.3	339.4	368.2	366.1	357.4	354.1	360.1	378.9	374.8	346.7	328.7
52.5°	279.8	305.2	344.7	346.7	342.0	342.7	350.1	362.1	350.7	316.6	301.2
55°	247.7	273.8	313.3	324.0	324.0	323.3	326.7	336.0	326.7	285.8	267.1
57.5°	212.9	234.9	267.7	270.4	272.4	265.1	269.8	282.5	277.8	243.0	232.3
60°	174.7	193.4	212.2	214.2	205.5	190.1	198.8	213.5	216.9	190.8	178.7
62.5°	123.8	141.9	164.0	164.0	155.3	139.9	151.3	164.0	159.3	132.5	125.2
65°	92.4	109.1	125.8	133.2	125.8	115.1	123.8	133.2	125.8	103.8	93.0
67.5°	59.6	71.0	81.0	87.0	88.4	87.0	91.0	88.4	79.7	64.9	58.9
70°	36.1	42.2	47.5	52.9	56.9	58.9	60.9	54.9	46.2	38.2	36.1
72.5°	26.1	31.5	36.1	40.2	44.8	46.2	46.2	42.2	34.1	26.8	24.8
75°	18.1	22.8	26.8	29.5	33.5	34.8	34.8	31.5	25.4	19.4	17.4
77.5°	0.7	4.7	4.7	4.0	5.4	6.7	6.7	8.0	7.4	5.4	4.7
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	850.8	850.8	850.8	850.8	850.8	850.8	850.8	850.8	850.8	850.8	850.8
2.5°	747.7	771.8	778.5	803.2	825.3	847.4	874.2	890.3	914.4	931.1	940.5
5°	674.1	694.1	718.2	755.0	793.2	835.4	886.2	930.4	986.0	1026.8	1040.2
7.5°	620.5	646.6	674.7	720.9	773.1	829.3	901.0	973.3	1058.3	1113.8	1149.3
10°	610.5	637.2	674.7	720.2	775.1	839.4	927.1	1020.8	1127.2	1194.8	1235.0
12.5°	658.7	687.4	703.5	724.3	765.8	837.4	949.8	1069.0	1194.1	1267.8	1310.6
15°	729.6	755.0	728.9	702.8	729.6	816.0	962.5	1109.1	1253.1	1338.1	1382.2
17.5°	778.5	780.5	723.6	668.0	675.4	777.1	967.2	1149.3	1316.0	1405.0	1451.2
20°	773.8	757.7	700.2	638.6	615.8	726.9	961.9	1184.8	1379.6	1472.6	1518.1
22.5°	737.6	718.9	670.0	609.8	565.6	667.4	952.5	1216.9	1437.8	1543.6	1586.4
25°	694.1	674.1	633.9	581.0	533.5	609.8	945.1	1261.1	1511.4	1635.9	1669.4
27.5°	643.3	625.9	591.7	553.6	520.1	566.3	943.1	1319.3	1600.5	1748.4	1771.8
30°	593.7	577.7	550.9	528.8	514.7	540.8	936.4	1381.6	1706.9	1877.6	1903.0
32.5°	546.2	530.1	513.4	510.1	510.7	531.5	913.7	1443.2	1833.4	2065.0	2083.7
35°	505.4	486.6	479.9	488.0	502.7	515.4	849.4	1494.0	1969.3	2269.1	2284.5
37.5°	466.5	447.8	447.1	466.5	482.6	490.6	773.8	1544.2	2152.7	2476.7	2496.1
40°	431.1	412.3	419.0	442.5	455.2	459.2	682.1	1620.5	2346.8	2695.5	2684.8
42.5°	400.9	381.5	385.6	415.7	427.1	437.8	597.7	1684.1	2533.5	2903.0	2899.7
45°	371.5	356.8	354.1	386.9	396.9	439.8	536.2	1733.0	2773.9	3167.4	3172.8
47.5°	342.7	331.3	332.0	346.1	370.8	449.8	484.0	1765.1	3122.6	3586.5	3493.4
50°	316.6	307.9	315.3	299.2	354.1	437.1	439.1	1758.4	3512.2	3988.1	3801.3
52.5°	287.8	285.8	289.2	250.3	327.3	385.6	396.9	1669.4	3694.9	4262.5	4156.1
55°	258.4	257.7	230.9	200.1	273.8	307.9	340.0	1392.9	3688.9	4408.4	4537.6
57.5°	223.6	218.2	175.4	163.3	212.9	214.2	309.9	912.3	3269.2	4059.0	4326.8
60°	169.3	165.3	128.5	132.5	148.6	137.2	247.0	454.5	2443.2	3162.1	3464.0
62.5°	117.1	111.8	95.7	102.4	95.7	78.3	151.3	224.9	1480.0	1996.7	2270.5
65°	85.7	79.7	65.6	56.2	44.8	44.8	57.6	86.3	573.0	848.8	1023.5
67.5°	52.9	50.2	38.8	28.1	27.4	29.5	30.1	42.8	92.4	147.3	180.1
70°	34.1	31.5	26.1	18.1	16.7	17.4	18.1	20.1	23.4	25.4	30.8
72.5°	23.4	22.1	18.7	10.0	8.0	8.7	9.4	9.4	11.4	10.7	12.7
75°	16.7	15.4	13.4	4.7	2.7	3.3	4.0	3.3	4.0	2.7	3.3
77.5°	4.7	4.7	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-760-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	850.8	850.8	850.8	850.8	850.8	850.8	850.8	850.8	850.8	850.8
2.5°	964.6	980.0	986.0	977.3	984.6	972.6	967.9	949.8	948.5	945.1
5°	1094.4	1129.2	1150.0	1162.7	1148.0	1131.9	1107.8	1066.3	1053.6	1045.5
7.5°	1222.3	1276.5	1312.0	1328.7	1324.7	1291.9	1248.4	1178.8	1154.0	1141.9
10°	1333.4	1399.6	1442.5	1463.2	1454.5	1425.7	1363.5	1276.5	1243.7	1236.3
12.5°	1411.0	1471.9	1501.4	1519.5	1520.1	1508.7	1449.8	1362.2	1323.3	1314.0
15°	1459.9	1486.0	1486.7	1497.4	1516.1	1541.5	1514.1	1436.5	1395.0	1380.9
17.5°	1490.7	1461.9	1432.4	1435.1	1465.9	1533.5	1561.6	1502.1	1457.9	1442.5
20°	1512.8	1421.7	1366.8	1367.5	1399.0	1501.4	1594.4	1565.6	1520.1	1506.1
22.5°	1526.8	1386.3	1307.9	1305.9	1339.4	1463.2	1624.5	1641.3	1596.4	1580.4
25°	1555.6	1369.5	1272.5	1283.8	1313.3	1451.2	1665.4	1741.7	1700.2	1678.8
27.5°	1607.1	1386.3	1269.1	1295.2	1328.7	1486.7	1736.3	1875.6	1832.7	1808.6
30°	1696.2	1449.2	1320.7	1356.8	1397.0	1579.7	1855.5	2062.3	2000.7	1978.0
32.5°	1839.4	1579.7	1480.0	1557.6	1596.4	1732.3	2034.2	2271.8	2221.6	2176.1
35°	2036.9	1877.6	1866.2	2046.9	2037.5	2021.5	2253.8	2528.9	2453.2	2409.0
37.5°	2308.6	2356.8	2441.2	2620.6	2614.5	2492.0	2542.2	2771.8	2733.0	2676.1
40°	2648.0	2750.4	2893.7	3150.7	3070.4	2916.4	2896.3	3020.8	2989.4	2922.4
42.5°	2848.1	3024.9	3298.0	3528.9	3464.6	3195.6	3172.8	3353.5	3284.6	3211.6
45°	2941.2	3248.4	3783.9	4096.5	3901.7	3381.0	3372.3	3787.3	3748.4	3650.7
47.5°	2984.0	3474.0	4352.9	4826.1	4462.0	3543.6	3512.2	4416.5	4365.6	4250.5
50°	3031.6	3785.3	5038.3	5671.5	5138.7	3727.7	3750.5	5002.8	4981.4	4845.5
52.5°	3136.0	4114.6	5882.4	6638.1	5959.4	4016.2	4159.4	5555.7	5411.2	5254.5
55°	3292.6	4473.4	6760.6	7625.4	6796.7	4403.8	4601.9	5849.6	5443.9	5270.6
57.5°	3119.2	4563.1	7280.7	8314.9	7168.2	4405.1	4227.7	5340.2	4788.0	4620.0
60°	2475.3	4245.1	7080.5	8165.6	6851.6	3911.8	3237.1	4169.5	3627.3	3514.8
62.5°	1673.4	3560.4	6233.1	6905.8	5864.3	3077.1	2103.8	2711.6	2245.7	2152.7
65°	917.0	2656.0	5036.3	5224.4	4589.8	2149.3	1082.4	1176.7	896.3	854.8
67.5°	253.0	1848.8	3705.6	3466.0	3220.3	1399.6	279.8	210.2	149.9	148.6
70°	63.6	1222.9	2220.3	2288.6	1974.6	896.3	53.5	25.4	20.1	19.4
72.5°	26.8	526.1	1053.6	1210.9	1010.7	415.0	19.4	7.4	6.0	4.7
75°	3.3	42.2	89.7	135.9	93.0	44.8	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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