

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: P632432

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632432
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-37)
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
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8751.6 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

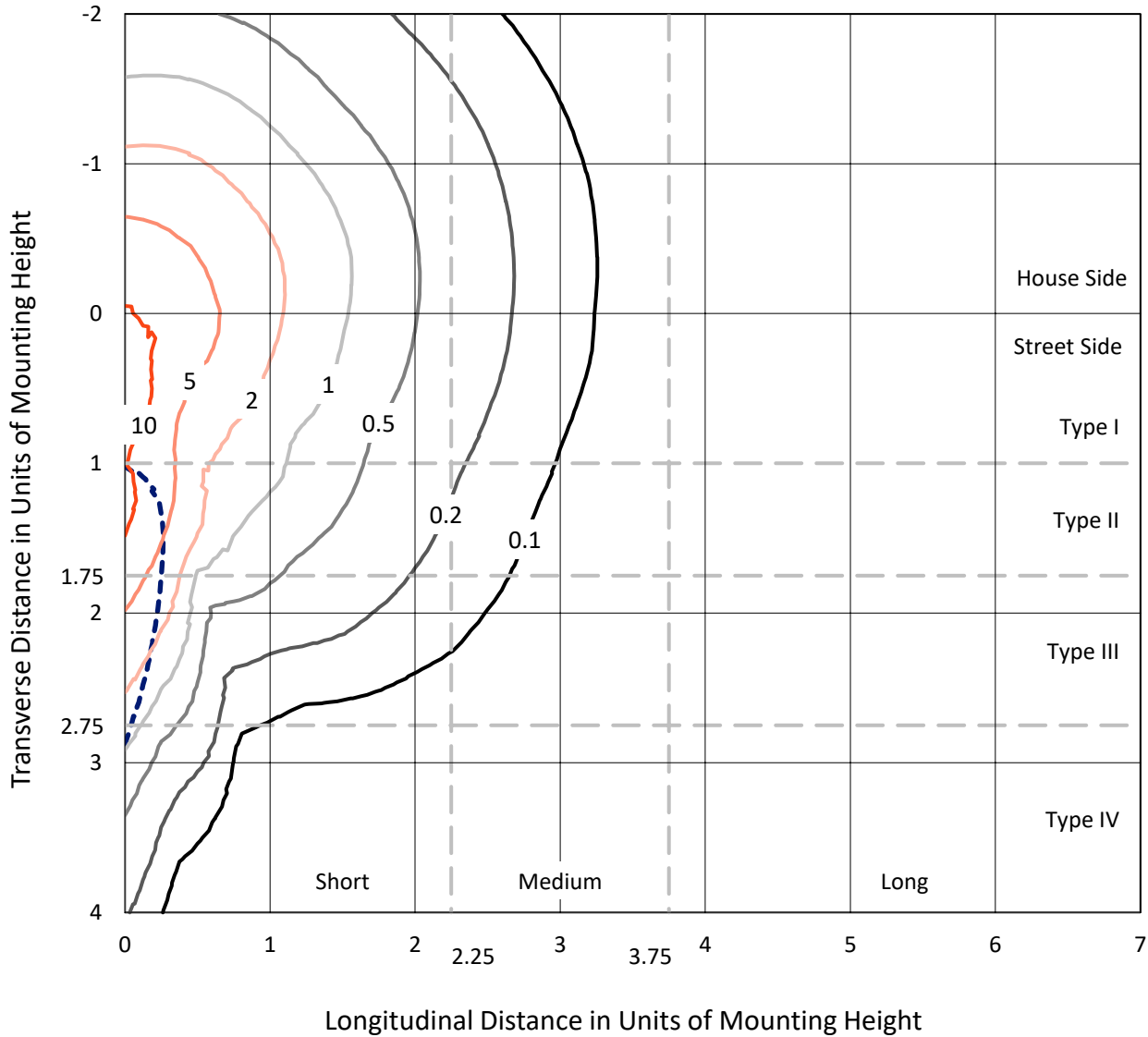
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

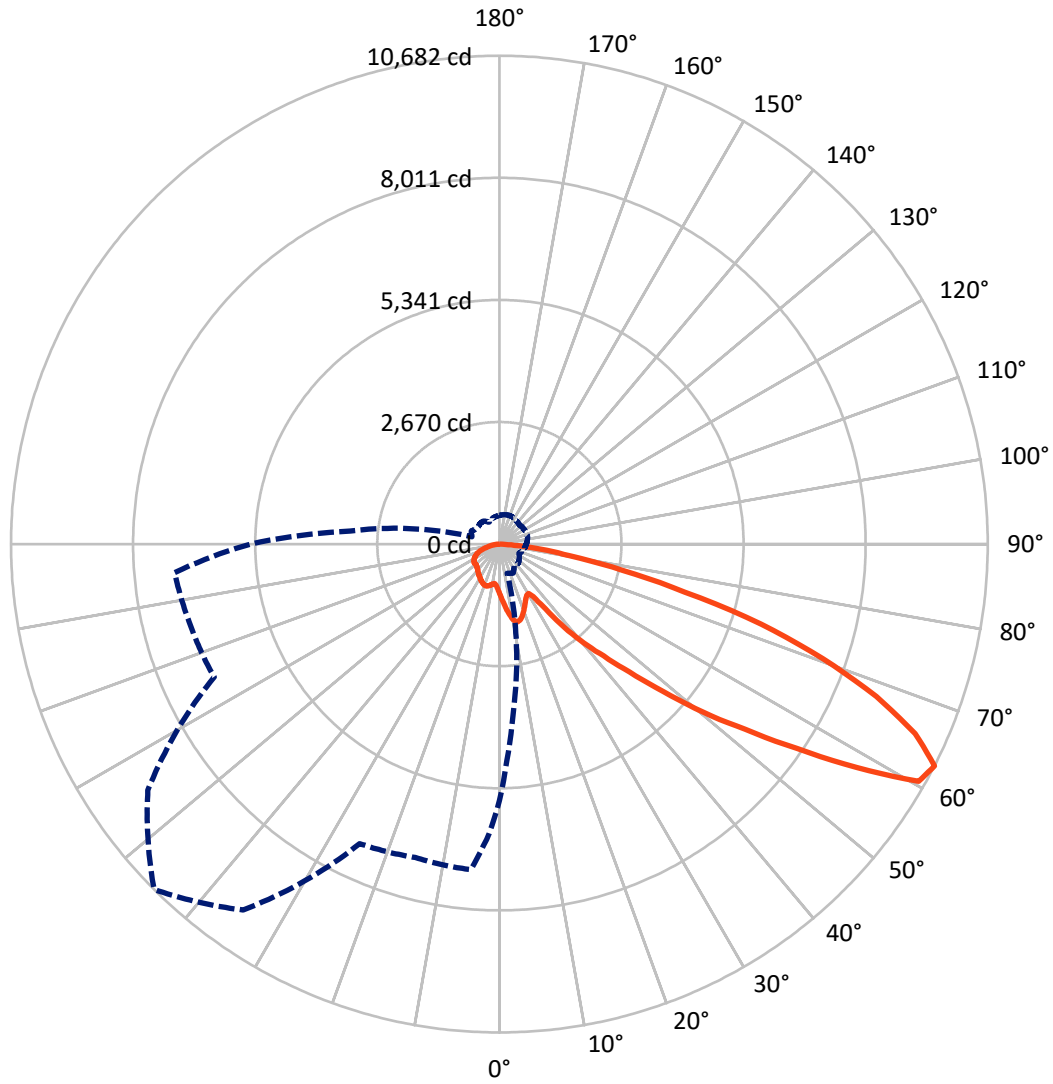
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2092.5	0.0	2092.5
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	6659.1	0.0	6659.1
	% Fixture	76.1	0.0	76.1
Total	Lumens	8751.6	0.0	8751.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.5	1.2
10°-20°	349.4	4.0
20°-30°	550.0	6.3
30°-40°	753.8	8.6
40°-50°	1176.2	13.4
50°-60°	2028.0	23.2
60°-70°	2350.2	26.9
70°-80°	1240.6	14.2
80°-90°	196.0	2.2
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°	8751.6	100.0
0°-180°	8751.6	100.0

Coefficient of Utilization



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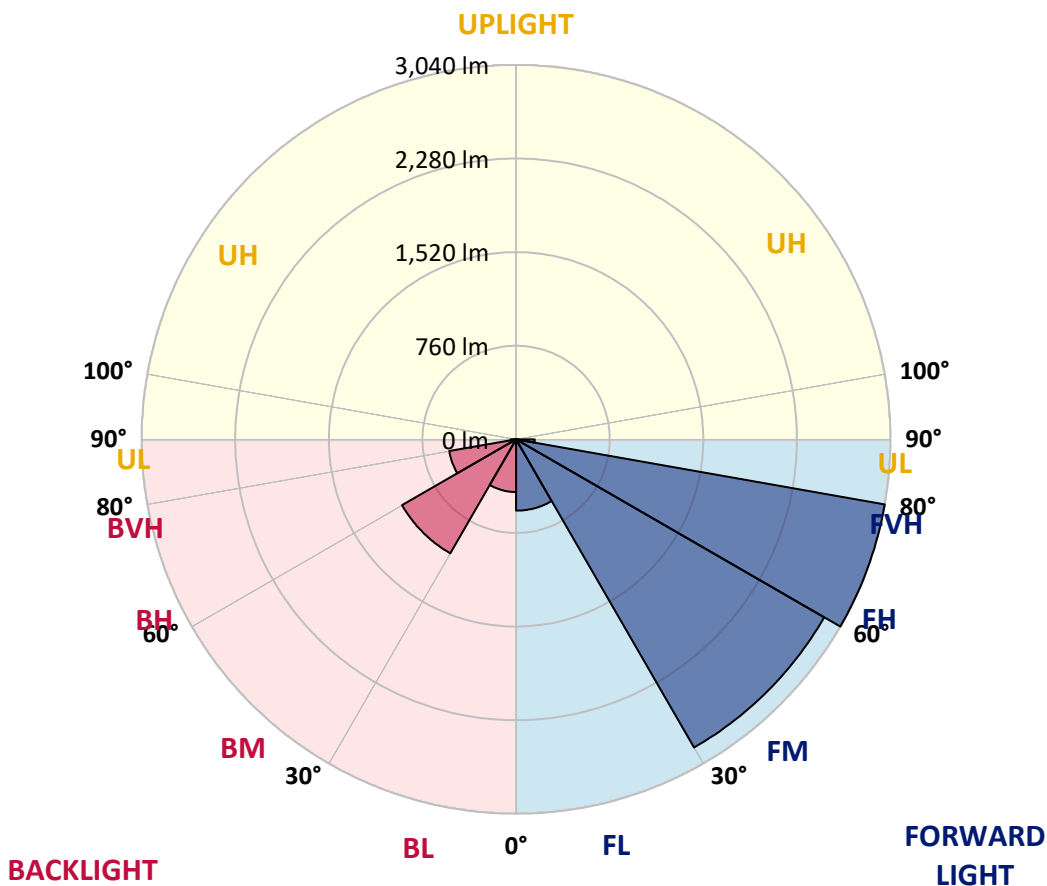
CATALOG NUMBER: GWS-SA2C-760-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	578.8	6.6			
FM (30°-60°)	2889.2	33.0			
FH (60°-80°)	3039.8	34.7			G2/5000
FVH (80°-90°)	151.3	1.7			G2/225
BL (0°-30°)	428.0	4.9	B1/500		
BM (30°-60°)	1068.8	12.2	B2/2500		
BH (60°-80°)	551.0	6.3	B2/1000		G2/1000
BVH (80°-90°)	44.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1
2.5°	1185.5	1180.8	1174.2	1151.4	1137.3	1121.3	1104.5	1085.1	1063.0	1047.6	1032.2
5°	1285.9	1278.6	1262.5	1208.3	1170.8	1130.0	1095.8	1057.0	1018.8	992.7	966.6
7.5°	1382.3	1373.0	1348.2	1265.2	1204.3	1145.4	1093.8	1037.6	980.7	941.9	911.1
10°	1478.7	1459.3	1427.9	1319.4	1239.1	1170.8	1111.9	1042.9	967.3	914.4	881.6
12.5°	1552.4	1534.3	1500.2	1368.9	1273.9	1188.2	1121.9	1058.3	994.1	937.8	904.4
15°	1621.3	1597.9	1559.1	1415.1	1302.7	1187.5	1101.9	1046.3	1036.9	1022.9	979.4
17.5°	1670.9	1649.4	1609.3	1452.6	1318.7	1166.8	1046.3	1013.5	1055.7	1098.5	1057.0
20°	1714.4	1689.6	1648.8	1478.7	1322.1	1120.6	978.7	979.4	1045.6	1104.5	1094.5
22.5°	1751.2	1723.7	1687.6	1508.2	1320.8	1056.3	919.8	959.9	1026.2	1072.4	1073.7
25°	1796.7	1773.9	1743.8	1551.7	1320.8	990.7	876.9	936.5	993.4	1032.2	1030.9
27.5°	1852.3	1836.9	1812.1	1618.0	1332.8	935.8	852.8	906.4	951.2	984.7	984.0
30°	1914.5	1900.5	1881.7	1688.3	1353.6	895.0	839.4	868.9	901.7	928.5	928.5
32.5°	1978.1	1972.8	1952.7	1744.5	1337.5	882.3	828.1	831.4	848.8	870.9	868.9
35°	2066.5	2061.1	2035.7	1788.0	1267.9	864.2	810.0	793.3	795.3	809.3	814.0
37.5°	2195.7	2187.6	2150.2	1838.9	1162.8	818.7	780.5	753.1	747.1	753.1	761.8
40°	2351.6	2339.6	2288.7	1907.8	1041.6	757.1	734.3	711.6	701.5	703.6	713.6
42.5°	2547.1	2521.7	2448.7	1980.8	921.8	702.9	682.8	668.7	657.4	656.0	675.4
45°	2864.4	2794.8	2679.0	2045.7	820.7	674.1	636.6	626.6	617.2	622.6	645.3
47.5°	3418.7	3290.2	3064.6	2101.3	759.1	674.8	599.8	589.1	588.4	599.1	624.6
50°	4180.5	3995.1	3647.0	2138.8	727.0	682.8	577.7	560.3	573.0	583.7	607.8
52.5°	4910.1	4627.0	4212.6	2138.1	712.9	684.1	583.7	533.5	573.0	575.7	598.5
55°	5533.4	5020.6	4365.2	1918.5	692.8	678.8	607.2	512.8	565.7	575.7	593.8
57.5°	6028.7	5271.0	4353.9	1549.7	753.8	649.3	621.2	508.1	544.2	577.0	597.8
60°	5973.8	5156.5	4073.4	951.2	747.7	597.1	619.2	516.8	508.1	559.0	593.1
62.5°	5609.0	4746.1	3590.7	660.0	702.2	567.0	586.4	532.2	474.6	532.9	570.3
65°	5098.2	4216.6	2992.3	506.1	581.7	568.3	530.8	521.5	445.2	491.3	531.5
67.5°	4422.8	3559.9	2362.4	401.0	405.7	492.0	482.0	463.2	417.7	454.5	490.7
70°	3325.0	2598.0	1625.3	322.7	307.3	411.0	433.1	416.4	390.9	401.6	439.8
72.5°	2342.9	1696.3	890.3	255.7	237.0	316.0	376.2	373.5	345.4	353.5	390.9
75°	1741.1	1200.3	556.3	202.2	192.8	226.3	315.3	323.3	299.9	309.3	338.1
77.5°	1158.8	777.2	309.3	149.9	149.9	165.3	235.0	272.5	255.0	262.4	282.5
80°	639.3	395.6	154.6	98.4	101.1	113.8	171.4	196.1	196.8	214.9	220.2
82.5°	202.2	125.8	68.9	57.6	54.2	64.9	110.5	140.6	131.2	167.4	154.0
85°	46.2	29.5	12.7	12.7	14.1	21.4	42.2	75.0	95.7	115.1	83.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	29.5	43.5	38.8
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°	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1
2.5°	1022.9	1009.5	1005.5	994.1	992.7	982.0	978.0	978.0	982.7	982.7	987.4
5°	955.9	939.2	929.8	916.4	913.1	905.0	899.7	900.4	906.4	910.4	918.4
7.5°	897.0	885.6	878.9	872.9	871.6	870.2	864.2	863.5	865.6	871.6	877.6
10°	872.2	864.2	866.2	870.9	878.3	882.3	876.9	874.3	872.2	876.3	881.6
12.5°	896.3	888.3	892.3	900.4	910.4	914.4	912.4	911.7	913.7	929.1	940.5
15°	949.2	933.8	928.5	931.8	939.9	943.9	941.9	944.5	957.3	997.4	1026.2
17.5°	1014.8	977.3	955.9	949.9	953.2	956.6	956.6	963.3	985.4	1044.3	1080.4
20°	1050.3	1001.4	965.3	950.6	951.9	955.3	955.3	964.6	989.4	1052.3	1075.7
22.5°	1040.9	996.1	951.9	935.8	936.5	939.2	939.2	947.2	969.3	1024.9	1035.6
25°	1004.1	964.6	921.1	907.1	908.4	913.1	911.7	916.4	933.2	978.7	984.7
27.5°	959.9	925.1	882.3	871.6	877.6	887.0	878.9	879.6	895.0	933.2	933.8
30°	912.4	883.6	845.5	837.4	848.8	853.5	846.1	846.1	861.5	887.6	887.0
32.5°	860.9	842.8	815.3	806.6	819.4	826.7	817.4	818.7	830.7	848.1	841.5
35°	812.7	803.3	790.6	784.6	792.6	799.3	793.3	795.9	807.3	812.0	802.6
37.5°	766.5	765.1	766.5	766.5	768.5	770.5	766.5	773.2	783.2	777.2	766.5
40°	726.3	731.7	744.4	741.0	739.0	741.0	738.4	749.7	759.8	749.1	736.4
42.5°	692.8	702.9	722.3	722.3	718.3	719.6	718.3	732.3	739.7	725.0	710.9
45°	664.1	678.8	703.6	706.9	700.2	700.2	702.9	720.3	723.0	702.9	688.2
47.5°	644.0	662.0	690.2	696.2	686.1	685.5	692.8	711.6	711.6	688.2	671.4
50°	629.9	650.0	683.5	691.5	681.5	678.8	690.8	708.9	704.9	676.8	660.0
52.5°	620.5	641.3	682.8	694.2	687.5	684.8	696.9	709.6	699.5	669.4	652.0
55°	614.5	637.3	684.8	694.2	686.8	682.1	694.2	705.6	700.2	665.4	648.7
57.5°	617.9	640.6	682.1	686.8	678.1	670.1	684.1	700.2	698.2	666.7	650.0
60°	612.5	633.3	667.4	668.7	654.0	641.3	662.0	686.1	686.1	662.0	647.3
62.5°	587.7	608.5	638.6	640.0	623.2	609.2	633.3	662.0	661.4	642.0	626.6
65°	546.9	566.3	600.5	603.8	587.1	572.3	597.1	623.9	625.9	608.5	595.1
67.5°	502.1	519.5	544.9	558.3	544.2	528.8	551.6	577.0	576.4	555.6	541.6
70°	448.5	464.6	488.0	499.4	490.7	476.0	496.7	510.1	504.1	494.0	484.7
72.5°	395.6	411.0	433.1	433.1	423.7	409.7	415.7	439.8	447.2	439.8	433.8
75°	340.1	353.5	368.8	372.2	351.4	326.0	354.1	374.9	383.6	380.2	372.9
77.5°	283.2	293.2	316.0	309.9	271.1	257.7	280.5	311.3	317.3	315.3	305.3
80°	218.2	224.3	248.4	236.3	206.2	197.5	207.5	231.6	233.0	226.3	213.5
82.5°	146.6	154.6	170.7	147.3	146.6	138.6	130.5	133.2	145.3	143.9	135.2
85°	75.0	79.0	94.4	88.4	75.6	65.6	62.3	66.3	59.6	54.2	46.9
87.5°	31.5	34.1	46.9	26.1	8.0	0.0	0.0	4.0	6.0	8.7	9.4
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°	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1
2.5°	998.1	1005.5	1023.5	1046.3	1068.4	1091.1	1115.9	1131.3	1150.1	1174.2	1174.8
5°	928.5	945.2	971.3	1006.1	1042.3	1083.8	1132.0	1172.1	1220.3	1258.5	1273.9
7.5°	885.6	909.7	942.5	986.7	1034.2	1085.8	1148.7	1216.3	1295.3	1346.2	1376.3
10°	889.6	926.5	959.3	996.8	1039.6	1095.2	1176.2	1265.9	1362.9	1429.9	1467.4
12.5°	961.3	1000.1	994.1	992.1	1020.9	1088.5	1198.2	1316.1	1434.6	1501.5	1546.3
15°	1051.6	1066.4	1009.5	966.6	984.0	1064.4	1210.3	1360.9	1494.1	1575.8	1620.0
17.5°	1097.8	1068.4	999.4	935.2	930.5	1027.5	1216.3	1406.4	1561.1	1642.7	1689.6
20°	1076.4	1033.6	975.3	914.4	880.9	977.3	1213.0	1442.6	1622.0	1713.0	1751.2
22.5°	1030.2	992.7	947.2	889.0	840.8	922.5	1204.3	1478.7	1676.2	1767.9	1801.4
25°	980.0	951.9	914.4	863.5	818.0	874.3	1198.2	1526.9	1738.5	1826.2	1847.6
27.5°	929.8	909.1	878.3	838.8	812.7	840.8	1200.3	1589.9	1818.8	1901.8	1893.1
30°	880.3	862.2	840.8	823.4	812.0	832.7	1194.9	1656.8	1907.2	1984.1	1932.6
32.5°	833.4	816.7	803.3	806.0	812.7	836.1	1167.5	1717.7	1988.2	2053.8	1975.4
35°	793.3	775.8	775.8	785.2	810.0	824.7	1096.5	1765.2	2077.9	2143.5	2036.4
37.5°	755.8	740.4	750.4	765.8	789.2	793.9	1005.5	1811.4	2208.4	2270.0	2130.7
40°	723.0	707.6	725.6	745.1	757.1	755.1	913.1	1875.7	2362.4	2426.0	2255.9
42.5°	696.9	682.8	698.9	723.6	725.6	727.7	845.5	1937.3	2541.1	2622.1	2471.5
45°	675.4	665.4	673.4	698.2	698.2	729.0	803.3	1988.8	2810.2	2953.5	2867.1
47.5°	658.7	652.7	656.7	664.7	678.1	753.1	776.5	2028.3	3300.2	3581.4	3494.3
50°	649.3	643.3	648.7	631.9	672.1	765.1	767.8	2058.4	3946.2	4386.7	4278.9
52.5°	641.3	639.3	642.6	603.8	685.5	757.1	761.1	2018.3	4379.3	5179.2	5285.7
55°	638.6	640.0	623.9	583.1	701.5	730.3	741.0	1731.1	4497.1	5862.7	6523.4
57.5°	640.0	635.9	595.1	585.1	702.2	676.8	769.8	1235.1	4325.7	6159.9	7734.4
60°	635.3	615.2	560.3	603.1	671.4	613.9	749.1	805.3	3873.9	5931.7	7804.7
62.5°	614.5	585.1	530.2	613.2	616.5	576.4	680.1	620.5	3271.4	5443.0	7127.2
65°	584.4	544.9	504.7	592.4	561.0	559.0	511.4	497.4	2630.8	4861.3	6484.6
67.5°	534.9	495.4	486.0	544.9	504.7	495.4	411.0	412.4	2099.3	4241.4	5838.6
70°	478.6	439.1	446.5	492.7	449.2	411.7	332.7	343.4	1592.5	3533.8	4967.7
72.5°	441.8	388.9	389.6	433.8	395.0	333.4	273.8	283.2	1010.8	2663.6	3949.5
75°	372.9	342.7	328.0	351.4	335.4	259.7	230.3	228.3	599.1	1909.2	2957.5
77.5°	311.3	287.8	280.5	289.9	250.4	192.1	185.4	182.1	339.4	1223.0	1938.0
80°	225.6	219.6	218.9	223.6	192.8	141.2	141.2	141.9	182.7	664.1	1092.5
82.5°	143.3	156.6	138.6	154.0	131.2	100.4	93.7	106.4	105.1	283.2	460.6
85°	59.6	81.7	76.3	81.0	62.3	54.9	58.9	63.6	60.9	109.1	179.4
87.5°	11.4	13.4	14.7	14.1	14.1	17.4	19.4	23.4	23.4	31.5	54.2
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

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1
2.5°	1200.3	1219.7	1215.7	1224.4	1213.0	1217.0	1194.2	1188.2	1184.2	1185.5
5°	1323.4	1362.9	1370.3	1385.0	1375.0	1375.0	1334.8	1304.7	1294.0	1285.9
7.5°	1448.6	1505.5	1543.0	1547.0	1541.7	1530.9	1472.7	1418.5	1399.1	1382.3
10°	1559.7	1628.0	1670.2	1690.3	1680.2	1663.5	1591.2	1516.9	1493.5	1478.7
12.5°	1644.7	1705.0	1733.1	1746.5	1745.2	1739.1	1680.2	1599.9	1575.1	1552.4
15°	1699.6	1729.8	1719.1	1718.4	1727.8	1751.9	1733.8	1670.9	1642.1	1621.3
17.5°	1735.1	1706.3	1658.8	1636.7	1656.8	1713.7	1755.2	1719.7	1693.6	1670.9
20°	1747.8	1645.4	1576.5	1535.6	1559.1	1641.4	1743.8	1755.2	1733.1	1714.4
22.5°	1733.1	1571.1	1477.4	1429.2	1452.0	1550.4	1710.4	1784.0	1769.3	1751.2
25°	1697.0	1493.5	1381.0	1337.5	1362.3	1462.7	1650.8	1810.8	1811.4	1796.7
27.5°	1652.1	1421.8	1313.4	1272.6	1296.7	1390.4	1592.5	1834.2	1857.6	1852.3
30°	1606.6	1379.0	1281.3	1252.5	1270.5	1353.6	1533.0	1858.3	1905.1	1914.5
32.5°	1585.8	1399.7	1356.9	1369.6	1346.2	1375.0	1511.5	1892.4	1962.7	1978.1
35°	1613.3	1583.8	1692.3	1742.5	1659.5	1550.4	1539.0	1944.0	2043.7	2066.5
37.5°	1746.5	1978.1	2140.1	2316.8	2172.9	1932.6	1674.9	2031.7	2159.5	2195.7
40°	2036.4	2322.2	2614.7	2843.0	2625.4	2302.1	1933.3	2162.2	2318.8	2351.6
42.5°	2309.5	2644.9	3047.8	3343.0	3060.6	2604.0	2211.7	2381.8	2529.0	2547.1
45°	2577.2	2961.5	3572.0	3982.3	3598.8	2891.2	2496.2	2752.6	2863.7	2864.4
47.5°	2891.2	3318.3	4229.4	4813.7	4313.0	3209.2	2763.3	3339.7	3494.3	3418.7
50°	3266.7	3673.1	4906.1	5781.1	5183.9	3600.1	3102.7	4055.3	4266.2	4180.5
52.5°	3769.5	4064.0	5651.9	6724.3	6133.2	4045.3	3594.7	5000.5	5070.1	4910.1
55°	4477.0	4628.3	6609.1	7889.0	7192.8	4593.5	4314.4	6186.7	5991.9	5533.4
57.5°	6088.3	5521.3	7838.2	9217.8	8391.8	5589.6	5891.5	7494.7	6801.9	6028.7
60°	7436.5	6605.8	8975.5	10536.6	9419.3	6687.4	7372.2	7722.3	6771.8	5973.8
62.5°	6982.0	6882.2	9385.8	10681.8	9770.1	7227.7	7097.1	7148.7	6330.0	5609.0
65°	6125.8	6348.7	9019.7	9993.0	9381.2	6743.7	6419.7	6618.5	5824.6	5098.2
67.5°	5620.4	5784.4	8368.3	8890.5	8674.3	6220.2	5892.8	5748.9	5040.0	4422.8
70°	5103.6	5239.5	7453.9	7506.8	7571.7	5349.9	4818.4	4390.0	3756.7	3325.0
72.5°	4410.1	4417.5	6297.8	5991.2	6114.4	4186.5	3878.6	3282.1	2734.6	2342.9
75°	3699.8	3497.7	4985.1	4187.8	4434.9	3256.7	3220.5	2473.5	2062.5	1741.1
77.5°	2820.9	2584.6	3641.6	2754.0	3114.8	2168.9	2421.3	1677.5	1451.3	1158.8
80°	1893.8	1746.5	2012.3	1554.4	2037.7	1494.8	1579.1	950.6	824.0	639.3
82.5°	998.8	852.8	1243.8	921.8	1229.0	821.4	592.4	293.9	250.4	202.2
85°	386.9	447.8	609.8	328.0	476.6	293.2	171.4	73.0	60.9	46.2
87.5°	75.0	115.8	63.6	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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