

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: P634794

Luminaire Tested: GWS-SA3C-740-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634794
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-SA3C-740-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7480 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

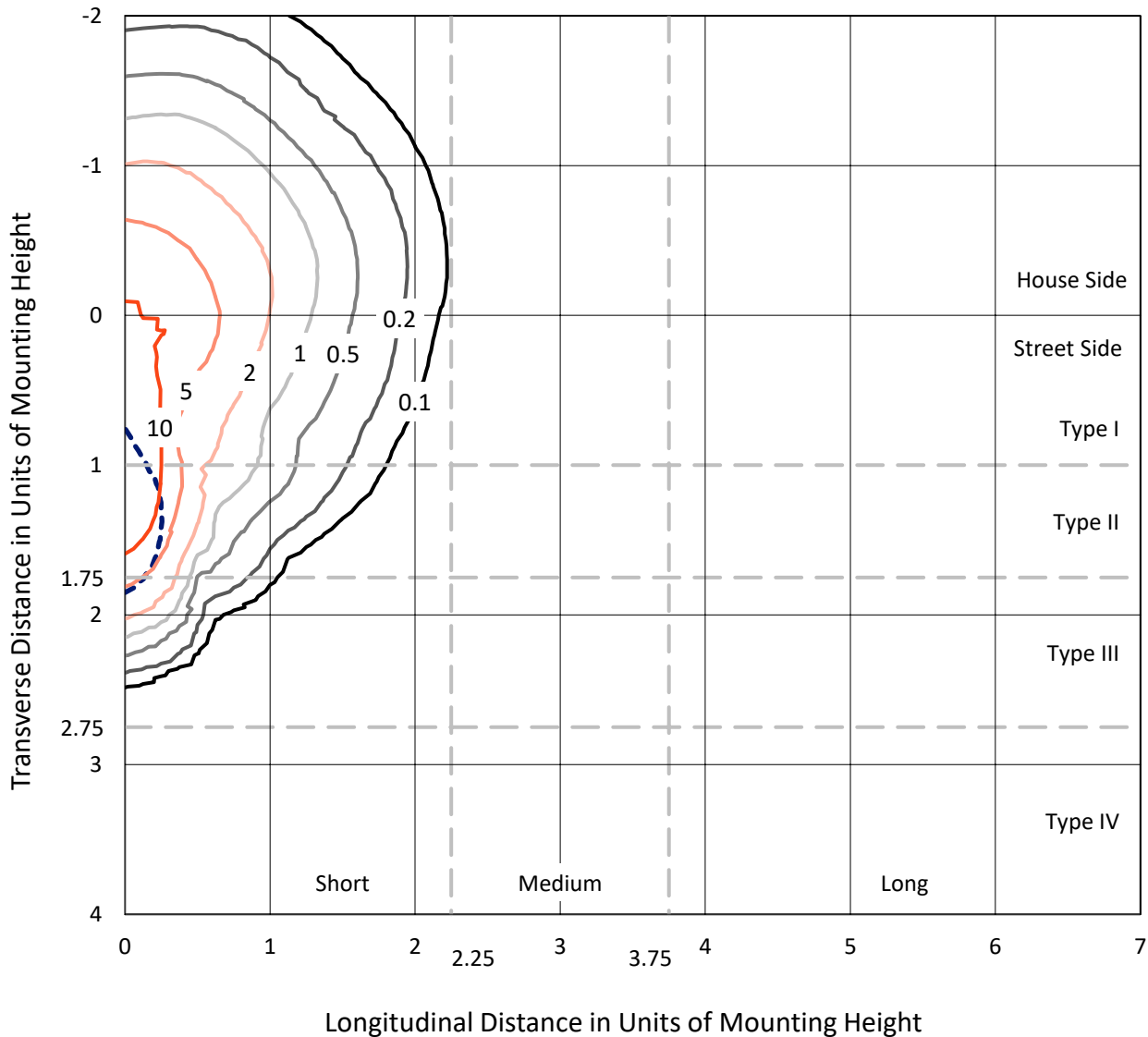
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634794
 CATALOG NUMBER: GWS-SA3C-740-U-SLL-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

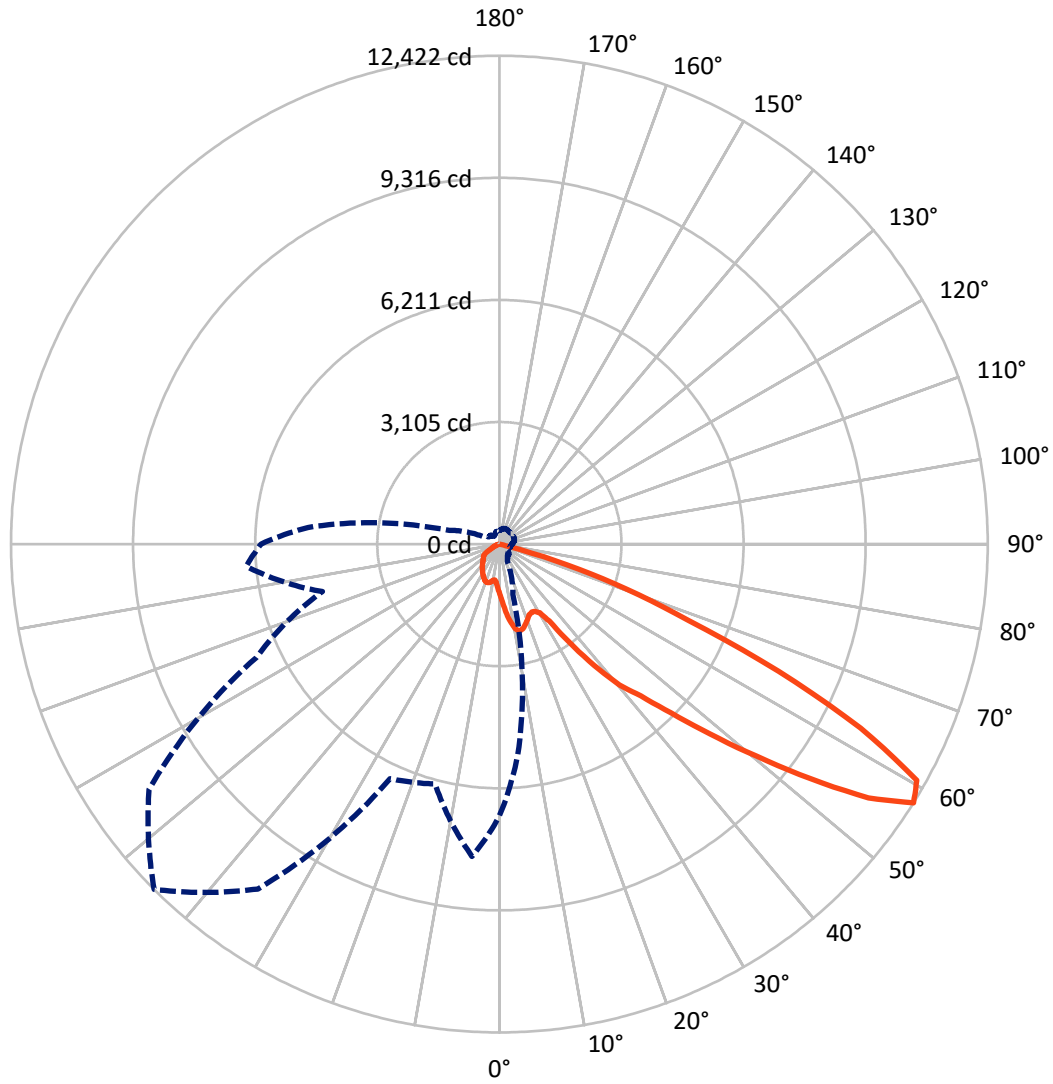
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20 fc
 Type III - Short - N/A

REPORT NUMBER: P634794
CATALOG NUMBER: GWS-SA3C-740-U-SLL-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P634794

CATALOG NUMBER: GWS-SA3C-740-U-SLL-W-GRSBK

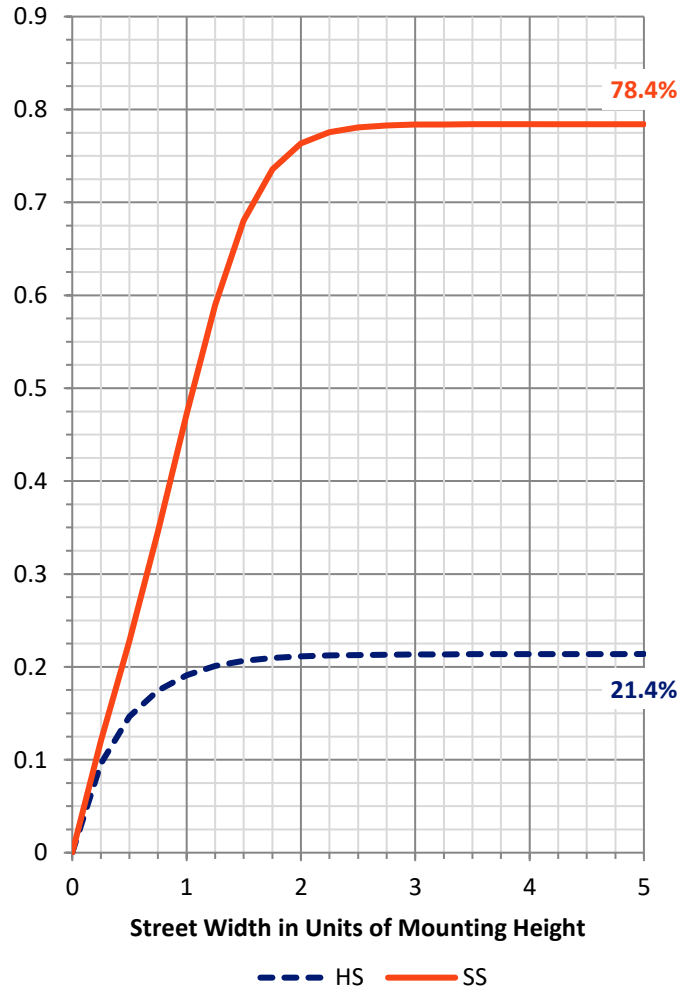
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1611.5	0.0	1611.5
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	5868.6	0.0	5868.6
	% Fixture	78.5	0.0	78.5
Total	Lumens	7480.0	0.0	7480.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.6	1.7
10°-20°	413.4	5.5
20°-30°	670.8	9.0
30°-40°	1029.6	13.8
40°-50°	1644.3	22.0
50°-60°	2302.3	30.8
60°-70°	1180.4	15.8
70°-80°	113.7	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°	7480.0	100.0
0°-180°	7480.0	100.0

Coefficient of Utilization



REPORT NUMBER: P634794

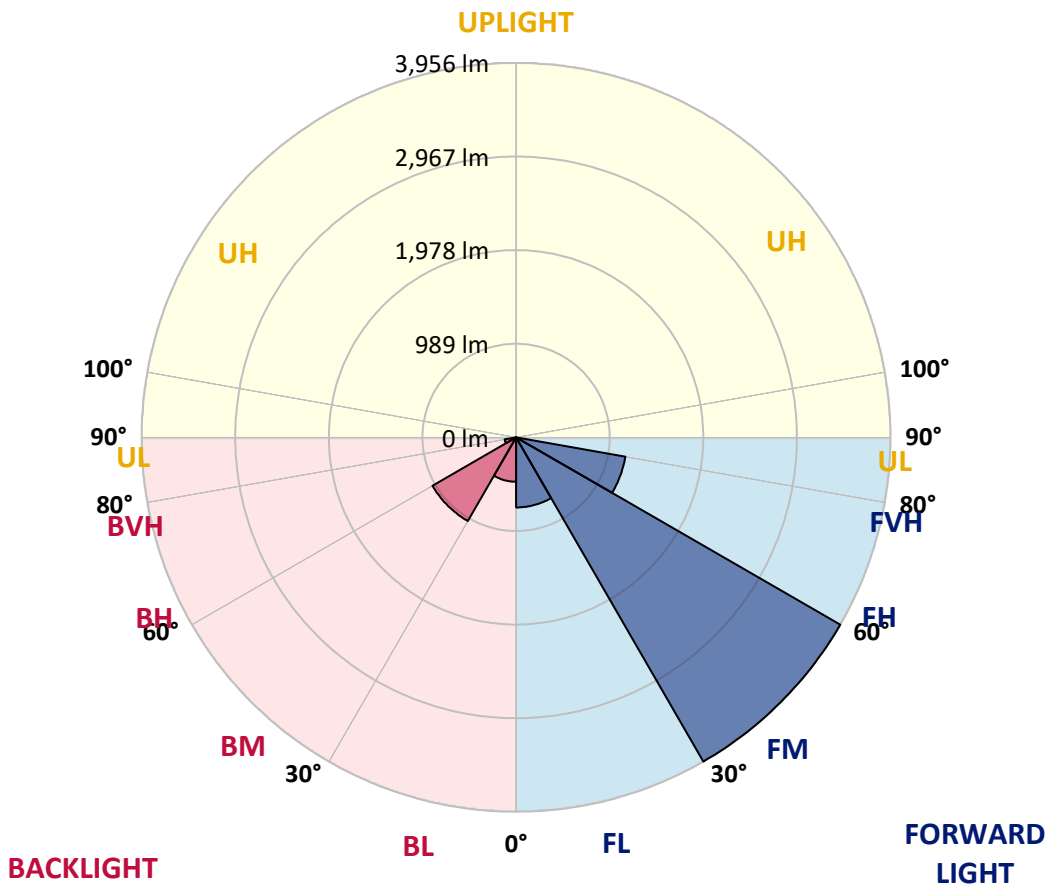
CATALOG NUMBER: GWS-SA3C-740-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	740.6	9.9			
FM (30°-60°)	3955.6	52.9			
FH (60°-80°)	1172.4	15.7			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	469.2	6.3	B1/500		
BM (30°-60°)	1020.5	13.6	B2/2500		
BH (60°-80°)	121.7	1.6	B1/500		G1/500
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: B2-U0-G1

Type III Short





REPORT NUMBER: P634794

CATALOG NUMBER: GWS-SA3C-740-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1271.0	1271.0	1271.0	1271.0	1271.0	1271.0	1271.0	1271.0	1271.0	1271.0	1271.0
2.5°	1412.0	1409.0	1399.0	1365.0	1344.0	1311.0	1287.0	1256.0	1222.0	1201.0	1180.0
5°	1562.0	1554.0	1527.0	1449.0	1389.0	1324.0	1272.0	1215.0	1154.0	1114.0	1077.0
7.5°	1706.0	1694.0	1658.0	1526.0	1435.0	1342.0	1268.0	1185.0	1099.0	1039.0	993.0
10°	1846.9	1819.9	1762.9	1601.0	1478.0	1366.0	1279.0	1184.0	1083.0	1007.0	956.0
12.5°	1962.9	1942.9	1864.9	1672.0	1514.0	1371.0	1264.0	1176.0	1108.0	1057.0	1010.0
15°	2062.9	2040.9	1966.9	1735.9	1545.0	1351.0	1201.0	1124.0	1135.0	1155.0	1115.0
17.5°	2154.9	2131.9	2051.9	1788.9	1557.0	1302.0	1113.0	1076.0	1137.0	1212.0	1197.0
20°	2249.9	2223.9	2125.9	1831.9	1553.0	1225.0	1024.0	1035.0	1121.0	1207.0	1215.0
22.5°	2360.9	2333.9	2219.9	1886.9	1550.0	1133.0	947.0	999.0	1091.0	1164.0	1178.0
25°	2507.9	2475.9	2350.9	1967.9	1558.0	1049.0	892.0	964.0	1040.0	1106.0	1114.0
27.5°	2701.9	2660.9	2501.9	2067.9	1575.0	983.0	868.0	916.0	975.0	1034.0	1041.0
30°	2954.9	2902.9	2674.9	2154.9	1567.0	937.0	852.0	868.0	903.0	951.0	952.0
32.5°	3250.9	3179.9	2868.9	2229.9	1498.0	903.0	830.0	819.0	827.0	864.0	871.0
35°	3598.9	3506.9	3082.9	2300.9	1372.0	837.0	790.0	753.0	750.0	768.0	785.0
37.5°	3997.9	3887.9	3352.9	2391.9	1223.0	768.0	731.0	694.0	678.0	687.0	713.0
40°	4365.9	4243.9	3634.9	2501.9	1071.0	706.0	662.0	624.0	605.0	608.0	640.0
42.5°	4797.9	4671.9	3979.9	2645.9	945.0	664.0	590.0	551.0	526.0	540.0	577.0
45°	5453.8	5310.8	4482.9	2770.9	845.0	654.0	527.0	472.0	460.0	484.0	528.0
47.5°	6349.8	6174.8	5173.8	2846.9	760.0	663.0	483.0	408.0	411.0	438.0	482.0
50°	7238.8	7049.8	5972.8	2746.9	690.0	645.0	461.0	358.0	377.0	401.0	441.0
52.5°	7849.8	7603.8	6361.8	2457.9	626.0	577.0	459.0	311.0	347.0	355.0	389.0
55°	7873.8	7570.8	6162.8	1937.9	539.0	487.0	438.0	272.0	314.0	317.0	346.0
57.5°	6901.8	6627.8	5385.8	1331.0	479.0	357.0	349.0	238.0	258.0	283.0	301.0
60°	5250.8	5017.9	4027.9	610.0	364.0	227.0	239.0	205.0	193.0	230.0	248.0
62.5°	3215.9	3066.9	2415.9	270.0	232.0	121.0	145.0	163.0	145.0	159.0	174.0
65°	1277.0	1211.0	917.0	115.0	95.0	61.0	66.0	95.0	102.0	112.0	126.0
67.5°	222.0	210.0	154.0	51.0	39.0	37.0	32.0	44.0	62.0	69.0	80.0
70°	29.0	28.0	25.0	21.0	20.0	18.0	14.0	28.0	42.0	44.0	51.0
72.5°	7.0	6.0	6.0	5.0	6.0	2.0	2.0	15.0	30.0	31.0	36.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	19.0	21.0	25.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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



REPORT NUMBER: P634794

CATALOG NUMBER: GWS-SA3C-740-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1271.0	1271.0	1271.0	1271.0	1271.0	1271.0	1271.0	1271.0	1271.0	1271.0	1271.0
2.5°	1163.0	1143.0	1136.0	1126.0	1113.0	1117.0	1099.0	1093.0	1102.0	1114.0	1111.0
5°	1057.0	1035.0	1020.0	997.0	993.0	984.0	978.0	970.0	980.0	994.0	997.0
7.5°	973.0	954.0	939.0	932.0	927.0	923.0	911.0	905.0	905.0	911.0	916.0
10°	937.0	923.0	920.0	922.0	930.0	929.0	918.0	910.0	900.0	895.0	901.0
12.5°	987.0	964.0	960.0	961.0	971.0	970.0	958.0	948.0	946.0	948.0	967.0
15°	1072.0	1037.0	1011.0	1006.0	1011.0	1009.0	1000.0	994.0	997.0	1026.0	1058.0
17.5°	1148.0	1094.0	1047.0	1029.0	1028.0	1025.0	1016.0	1014.0	1029.0	1083.0	1130.0
20°	1170.0	1117.0	1050.0	1027.0	1022.0	1019.0	1009.0	1012.0	1031.0	1096.0	1136.0
22.5°	1141.0	1090.0	1020.0	997.0	993.0	992.0	982.0	986.0	1002.0	1059.0	1092.0
25°	1086.0	1043.0	970.0	950.0	950.0	948.0	939.0	941.0	951.0	1001.0	1033.0
27.5°	1019.0	978.0	917.0	897.0	900.0	903.0	892.0	889.0	897.0	944.0	963.0
30°	942.0	913.0	865.0	847.0	846.0	858.0	843.0	839.0	850.0	887.0	891.0
32.5°	867.0	853.0	819.0	805.0	806.0	808.0	800.0	800.0	810.0	830.0	829.0
35°	794.0	785.0	779.0	769.0	768.0	764.0	764.0	766.0	777.0	784.0	771.0
37.5°	724.0	733.0	740.0	730.0	722.0	722.0	722.0	731.0	741.0	738.0	716.0
40°	662.0	681.0	703.0	692.0	673.0	672.0	676.0	691.0	706.0	688.0	668.0
42.5°	609.0	633.0	664.0	658.0	637.0	634.0	637.0	656.0	668.0	645.0	623.0
45°	557.0	587.0	624.0	624.0	601.0	598.0	599.0	624.0	631.0	604.0	576.0
47.5°	513.0	546.0	585.0	585.0	566.0	560.0	565.0	591.0	596.0	558.0	532.0
50°	471.0	507.0	550.0	547.0	534.0	529.0	538.0	566.0	560.0	518.0	491.0
52.5°	418.0	456.0	515.0	518.0	511.0	512.0	523.0	541.0	524.0	473.0	450.0
55°	370.0	409.0	468.0	484.0	484.0	483.0	488.0	502.0	488.0	427.0	399.0
57.5°	318.0	351.0	400.0	404.0	407.0	396.0	403.0	422.0	415.0	363.0	347.0
60°	261.0	289.0	317.0	320.0	307.0	284.0	297.0	319.0	324.0	285.0	267.0
62.5°	185.0	212.0	245.0	245.0	232.0	209.0	226.0	245.0	238.0	198.0	187.0
65°	138.0	163.0	188.0	199.0	188.0	172.0	185.0	199.0	188.0	155.0	139.0
67.5°	89.0	106.0	121.0	130.0	132.0	130.0	136.0	132.0	119.0	97.0	88.0
70°	54.0	63.0	71.0	79.0	85.0	88.0	91.0	82.0	69.0	57.0	54.0
72.5°	39.0	47.0	54.0	60.0	67.0	69.0	69.0	63.0	51.0	40.0	37.0
75°	27.0	34.0	40.0	44.0	50.0	52.0	52.0	47.0	38.0	29.0	26.0
77.5°	1.0	7.0	7.0	6.0	8.0	10.0	10.0	12.0	11.0	8.0	7.0
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



REPORT NUMBER: P634794

CATALOG NUMBER: GWS-SA3C-740-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1271.0	1271.0	1271.0	1271.0	1271.0	1271.0	1271.0	1271.0	1271.0	1271.0	1271.0
2.5°	1117.0	1153.0	1163.0	1200.0	1233.0	1266.0	1306.0	1330.0	1366.0	1391.0	1405.0
5°	1007.0	1037.0	1073.0	1128.0	1185.0	1248.0	1324.0	1390.0	1473.0	1534.0	1554.0
7.5°	927.0	966.0	1008.0	1077.0	1155.0	1239.0	1346.0	1454.0	1581.0	1664.0	1716.9
10°	912.0	952.0	1008.0	1076.0	1158.0	1254.0	1385.0	1525.0	1684.0	1784.9	1844.9
12.5°	984.0	1027.0	1051.0	1082.0	1144.0	1251.0	1419.0	1597.0	1783.9	1893.9	1957.9
15°	1090.0	1128.0	1089.0	1050.0	1090.0	1219.0	1438.0	1657.0	1871.9	1998.9	2064.9
17.5°	1163.0	1166.0	1081.0	998.0	1009.0	1161.0	1445.0	1716.9	1965.9	2098.9	2167.9
20°	1156.0	1132.0	1046.0	954.0	920.0	1086.0	1437.0	1769.9	2060.9	2199.9	2267.9
22.5°	1102.0	1074.0	1001.0	911.0	845.0	997.0	1423.0	1817.9	2147.9	2305.9	2369.9
25°	1037.0	1007.0	947.0	868.0	797.0	911.0	1412.0	1883.9	2257.9	2443.9	2493.9
27.5°	961.0	935.0	884.0	827.0	777.0	846.0	1409.0	1970.9	2390.9	2611.9	2646.9
30°	887.0	863.0	823.0	790.0	769.0	808.0	1399.0	2063.9	2549.9	2804.9	2842.9
32.5°	816.0	792.0	767.0	762.0	763.0	794.0	1365.0	2155.9	2738.9	3084.9	3112.9
35°	755.0	727.0	717.0	729.0	751.0	770.0	1269.0	2231.9	2941.9	3389.9	3412.9
37.5°	697.0	669.0	668.0	697.0	721.0	733.0	1156.0	2306.9	3215.9	3699.9	3728.9
40°	644.0	616.0	626.0	661.0	680.0	686.0	1019.0	2420.9	3505.9	4026.9	4010.9
42.5°	599.0	570.0	576.0	621.0	638.0	654.0	893.0	2515.9	3784.9	4336.9	4331.9
45°	555.0	533.0	529.0	578.0	593.0	657.0	801.0	2588.9	4143.9	4731.9	4739.9
47.5°	512.0	495.0	496.0	517.0	554.0	672.0	723.0	2636.9	4664.9	5357.8	5218.8
50°	473.0	460.0	471.0	447.0	529.0	653.0	656.0	2626.9	5246.8	5957.8	5678.8
52.5°	430.0	427.0	432.0	374.0	489.0	576.0	593.0	2493.9	5519.8	6367.8	6208.8
55°	386.0	385.0	345.0	299.0	409.0	460.0	508.0	2080.9	5510.8	6585.8	6778.8
57.5°	334.0	326.0	262.0	244.0	318.0	320.0	463.0	1363.0	4883.9	6063.8	6463.8
60°	253.0	247.0	192.0	198.0	222.0	205.0	369.0	679.0	3649.9	4723.9	5174.8
62.5°	175.0	167.0	143.0	153.0	143.0	117.0	226.0	336.0	2210.9	2982.9	3391.9
65°	128.0	119.0	98.0	84.0	67.0	67.0	86.0	129.0	856.0	1268.0	1529.0
67.5°	79.0	75.0	58.0	42.0	41.0	44.0	45.0	64.0	138.0	220.0	269.0
70°	51.0	47.0	39.0	27.0	25.0	26.0	27.0	30.0	35.0	38.0	46.0
72.5°	35.0	33.0	28.0	15.0	12.0	13.0	14.0	14.0	17.0	16.0	19.0
75°	25.0	23.0	20.0	7.0	4.0	5.0	6.0	5.0	6.0	4.0	5.0
77.5°	7.0	7.0	5.0	1.0	0.0	1.0	2.0	2.0	1.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	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



REPORT NUMBER: P634794

CATALOG NUMBER: GWS-SA3C-740-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1271.0	1271.0	1271.0	1271.0	1271.0	1271.0	1271.0	1271.0	1271.0	1271.0
2.5°	1441.0	1464.0	1473.0	1460.0	1471.0	1453.0	1446.0	1419.0	1417.0	1412.0
5°	1635.0	1687.0	1717.9	1736.9	1714.9	1691.0	1655.0	1593.0	1574.0	1562.0
7.5°	1825.9	1906.9	1959.9	1984.9	1978.9	1929.9	1864.9	1760.9	1723.9	1706.0
10°	1991.9	2090.9	2154.9	2185.9	2172.9	2129.9	2036.9	1906.9	1857.9	1846.9
12.5°	2107.9	2198.9	2242.9	2269.9	2270.9	2253.9	2165.9	2034.9	1976.9	1962.9
15°	2180.9	2219.9	2220.9	2236.9	2264.9	2302.9	2261.9	2145.9	2083.9	2062.9
17.5°	2226.9	2183.9	2139.9	2143.9	2189.9	2290.9	2332.9	2243.9	2177.9	2154.9
20°	2259.9	2123.9	2041.9	2042.9	2089.9	2242.9	2381.9	2338.9	2270.9	2249.9
22.5°	2280.9	2070.9	1953.9	1950.9	2000.9	2185.9	2426.9	2451.9	2384.9	2360.9
25°	2323.9	2045.9	1900.9	1917.9	1961.9	2167.9	2487.9	2601.9	2539.9	2507.9
27.5°	2400.9	2070.9	1895.9	1934.9	1984.9	2220.9	2593.9	2801.9	2737.9	2701.9
30°	2533.9	2164.9	1972.9	2026.9	2086.9	2359.9	2771.9	3080.9	2988.9	2954.9
32.5°	2747.9	2359.9	2210.9	2326.9	2384.9	2587.9	3038.9	3393.9	3318.9	3250.9
35°	3042.9	2804.9	2787.9	3057.9	3043.9	3019.9	3366.9	3777.9	3664.9	3598.9
37.5°	3448.9	3520.9	3646.9	3914.9	3905.9	3722.9	3797.9	4140.9	4082.9	3997.9
40°	3955.9	4108.9	4322.9	4706.9	4586.9	4356.9	4326.9	4512.9	4465.9	4365.9
42.5°	4254.9	4518.9	4926.9	5271.8	5175.8	4773.9	4739.9	5009.9	4906.9	4797.9
45°	4393.9	4852.9	5652.8	6119.8	5828.8	5050.9	5037.9	5657.8	5599.8	5453.8
47.5°	4457.9	5189.8	6502.8	7209.8	6665.8	5293.8	5246.8	6597.8	6521.8	6349.8
50°	4528.9	5654.8	7526.8	8472.8	7676.8	5568.8	5602.8	7473.8	7441.8	7238.8
52.5°	4684.9	6146.8	8787.7	9916.7	8902.7	5999.8	6213.8	8299.8	8083.8	7849.8
55°	4918.9	6682.8	10099.7	11391.7	10153.7	6578.8	6874.8	8738.7	8132.8	7873.8
57.5°	4659.9	6816.8	10876.7	12421.6	10708.7	6580.8	6315.8	7977.8	7152.8	6901.8
60°	3697.9	6341.8	10577.7	12198.6	10235.7	5843.8	4835.9	6228.8	5418.8	5250.8
62.5°	2499.9	5318.8	9311.7	10316.7	8760.7	4596.9	3142.9	4050.9	3354.9	3215.9
65°	1370.0	3967.9	7523.8	7804.8	6856.8	3210.9	1617.0	1757.9	1339.0	1277.0
67.5°	378.0	2761.9	5535.8	5177.8	4810.9	2090.9	418.0	314.0	224.0	222.0
70°	95.0	1826.9	3316.9	3418.9	2949.9	1339.0	80.0	38.0	30.0	29.0
72.5°	40.0	786.0	1574.0	1808.9	1510.0	620.0	29.0	11.0	9.0	7.0
75°	5.0	63.0	134.0	203.0	139.0	67.0	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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