

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: P634849

Luminaire Tested: GWS-SA3C-750-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634849
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7651.4 lumens
Efficiency: N/A
Efficacy: 82.3 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

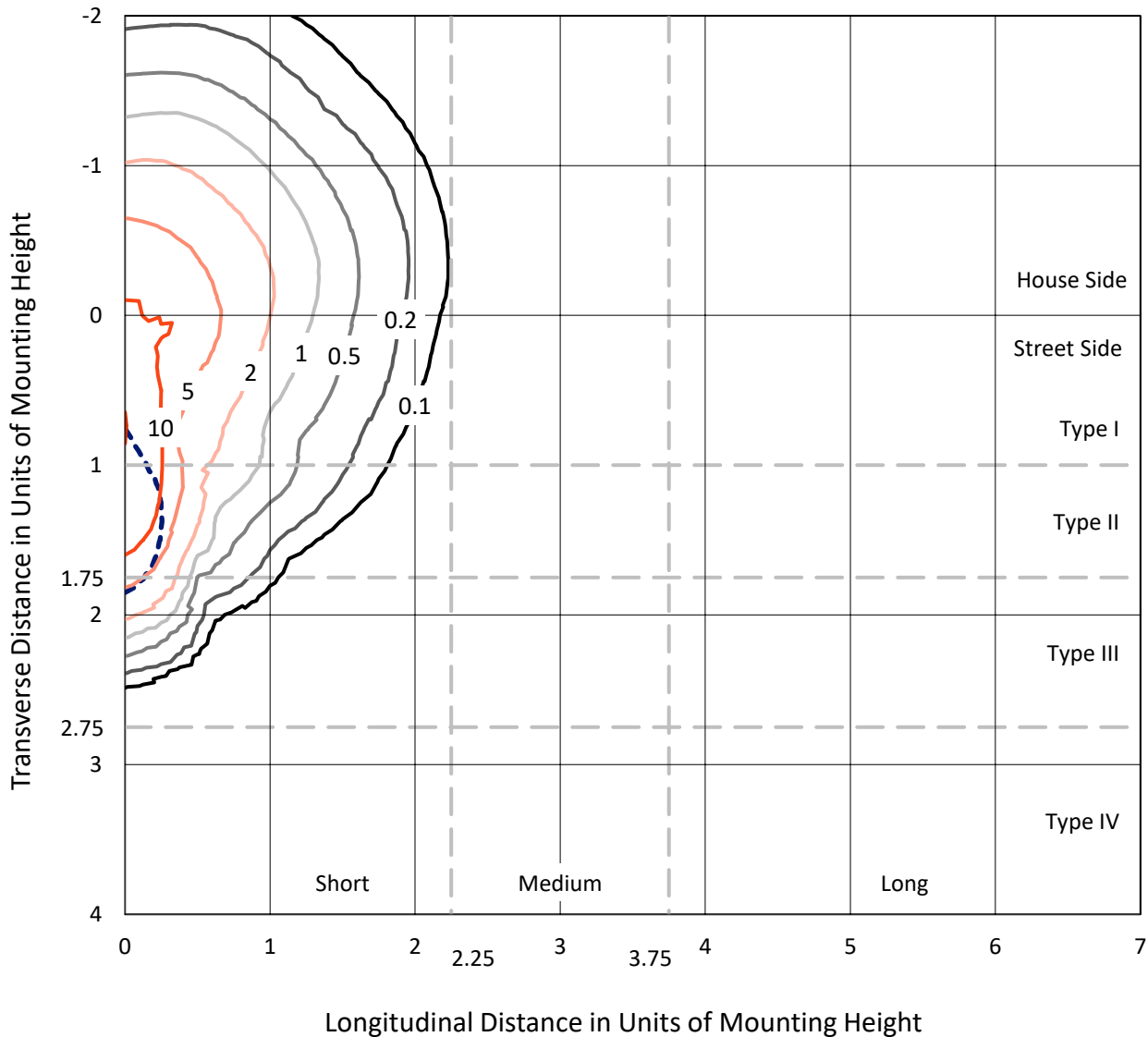
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634849
 CATALOG NUMBER: GWS-SA3C-750-U-SLL-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

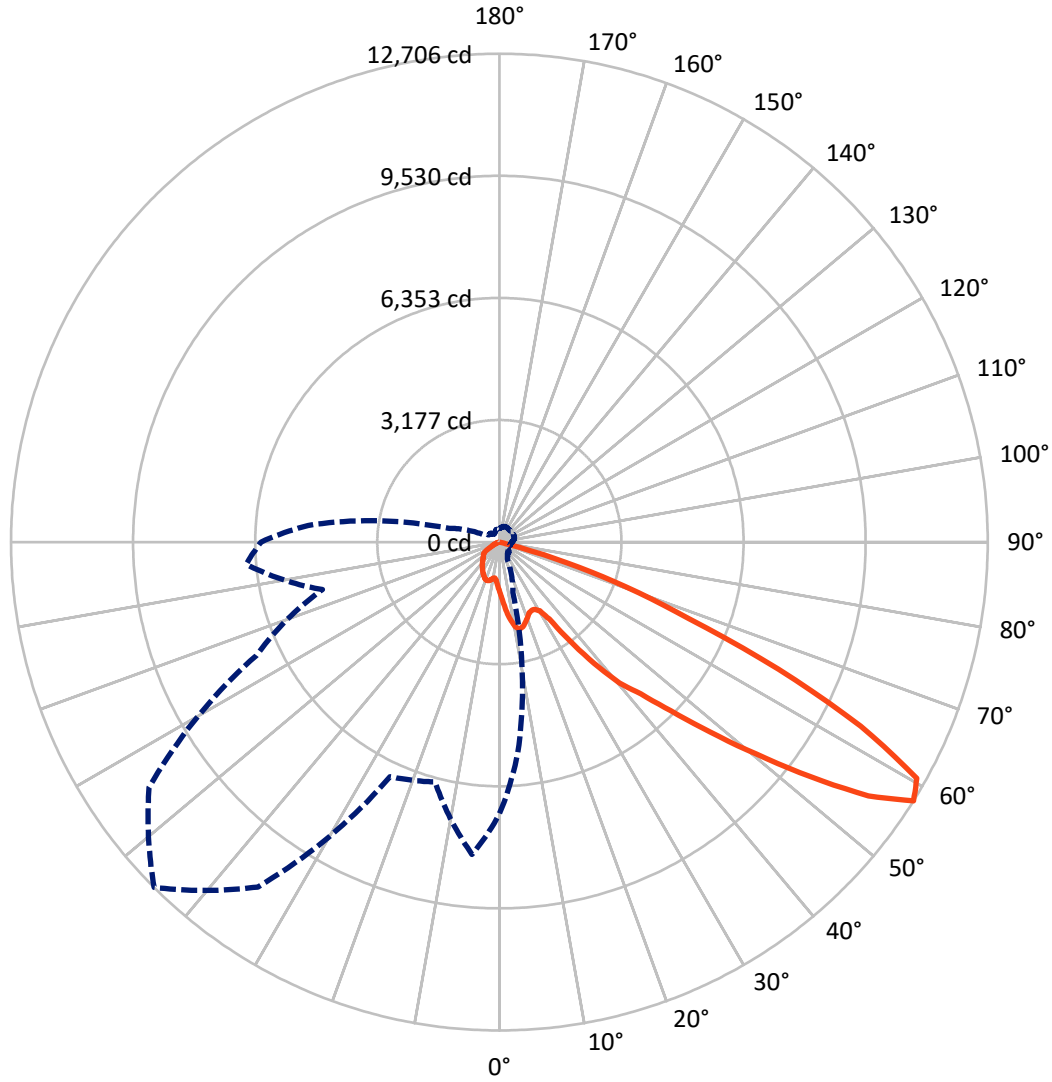
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.4 fc
 Type III - Short - N/A

REPORT NUMBER: P634849
CATALOG NUMBER: GWS-SA3C-750-U-SLL-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P634849

CATALOG NUMBER: GWS-SA3C-750-U-SLL-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1648.4	0.0	1648.4
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	6003.0	0.0	6003.0
	% Fixture	78.5	0.0	78.5
Total	Lumens	7651.4	0.0	7651.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.5	1.7
10°-20°	422.8	5.5
20°-30°	686.2	9.0
30°-40°	1053.1	13.8
40°-50°	1681.9	22.0
50°-60°	2355.0	30.8
60°-70°	1207.5	15.8
70°-80°	116.3	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°	7651.4	100.0
0°-180°	7651.4	100.0

Coefficient of Utilization



REPORT NUMBER: P634849

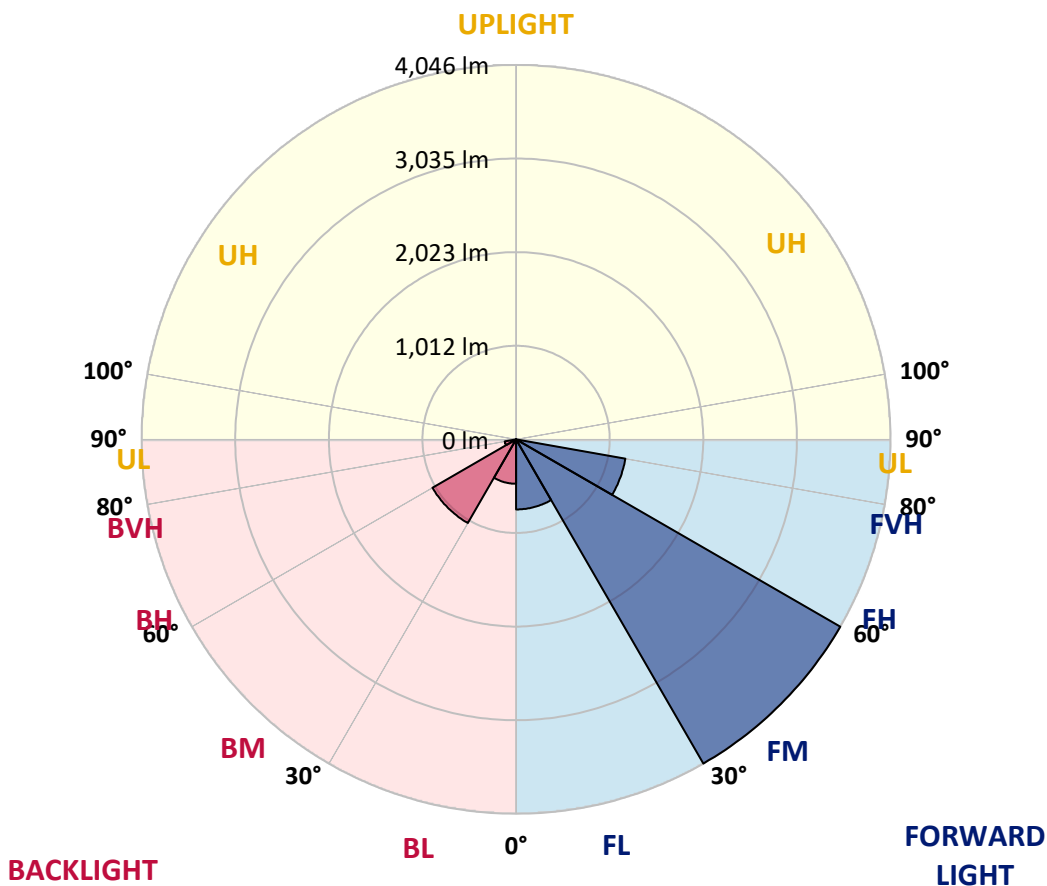
CATALOG NUMBER: GWS-SA3C-750-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	757.5	9.9			
FM (30°-60°)	4046.2	52.9			
FH (60°-80°)	1199.2	15.7			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	480.0	6.3	B1/500		
BM (30°-60°)	1043.9	13.6	B2/2500		
BH (60°-80°)	124.5	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: P634849

CATALOG NUMBER: GWS-SA3C-750-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1300.1	1300.1	1300.1	1300.1	1300.1	1300.1	1300.1	1300.1	1300.1	1300.1	1300.1
2.5°	1444.3	1441.2	1431.0	1396.2	1374.8	1341.0	1316.5	1284.7	1250.0	1228.5	1207.0
5°	1597.7	1589.6	1561.9	1482.2	1420.8	1354.3	1301.1	1242.8	1180.4	1139.5	1101.6
7.5°	1745.0	1732.8	1695.9	1560.9	1467.8	1372.7	1297.0	1212.1	1124.2	1062.8	1015.7
10°	1889.3	1861.6	1803.3	1637.6	1511.8	1397.3	1308.3	1211.1	1107.8	1030.0	977.9
12.5°	2007.9	1987.5	1907.7	1710.3	1548.6	1402.4	1292.9	1202.9	1133.4	1081.2	1033.1
15°	2110.2	2087.7	2012.0	1775.7	1580.4	1381.9	1228.5	1149.7	1161.0	1181.4	1140.5
17.5°	2204.3	2180.8	2099.0	1829.9	1592.6	1331.8	1138.5	1100.6	1163.0	1239.7	1224.4
20°	2301.5	2274.9	2174.7	1873.9	1588.5	1253.0	1047.4	1058.7	1146.7	1234.6	1242.8
22.5°	2415.0	2387.4	2270.8	1930.2	1585.5	1158.9	968.7	1021.9	1116.0	1190.6	1205.0
25°	2565.4	2532.7	2404.8	2013.0	1593.7	1073.0	912.4	986.1	1063.8	1131.3	1139.5
27.5°	2763.8	2721.9	2559.3	2115.3	1611.0	1005.5	887.9	937.0	997.3	1057.7	1064.8
30°	3022.6	2969.4	2736.2	2204.3	1602.9	958.4	871.5	887.9	923.7	972.8	973.8
32.5°	3325.4	3252.8	2934.7	2281.0	1532.3	923.7	849.0	837.7	845.9	883.8	890.9
35°	3681.4	3587.3	3153.6	2353.7	1403.4	856.2	808.1	770.2	767.2	785.6	803.0
37.5°	4089.5	3977.0	3429.7	2446.7	1251.0	785.6	747.7	709.9	693.5	702.7	729.3
40°	4465.9	4341.1	3718.2	2559.3	1095.5	722.2	677.1	638.3	618.8	621.9	654.6
42.5°	4907.8	4778.9	4071.1	2706.6	966.6	679.2	603.5	563.6	538.0	552.4	590.2
45°	5578.8	5432.5	4585.6	2834.4	864.3	669.0	539.1	482.8	470.5	495.1	540.1
47.5°	6495.3	6316.3	5292.4	2912.2	777.4	678.2	494.1	417.3	420.4	448.0	493.0
50°	7404.7	7211.3	6109.7	2809.9	705.8	659.8	471.5	366.2	385.6	410.2	451.1
52.5°	8029.6	7778.0	6507.6	2514.3	640.3	590.2	469.5	318.1	354.9	363.1	397.9
55°	8054.2	7744.3	6304.0	1982.4	551.3	498.1	448.0	278.2	321.2	324.3	353.9
57.5°	7059.9	6779.7	5509.3	1361.5	490.0	365.2	357.0	243.4	263.9	289.5	307.9
60°	5371.2	5132.8	4120.2	624.0	372.3	232.2	244.5	209.7	197.4	235.3	253.7
62.5°	3289.6	3137.2	2471.3	276.2	237.3	123.8	148.3	166.7	148.3	162.6	178.0
65°	1306.2	1238.7	938.0	117.6	97.2	62.4	67.5	97.2	104.3	114.6	128.9
67.5°	227.1	214.8	157.5	52.2	39.9	37.8	32.7	45.0	63.4	70.6	81.8
70°	29.7	28.6	25.6	21.5	20.5	18.4	14.3	28.6	43.0	45.0	52.2
72.5°	7.2	6.1	6.1	5.1	6.1	2.0	2.0	15.3	30.7	31.7	36.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	19.4	21.5	25.6
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: P634849

CATALOG NUMBER: GWS-SA3C-750-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1300.1	1300.1	1300.1	1300.1	1300.1	1300.1	1300.1	1300.1	1300.1	1300.1	1300.1
2.5°	1189.6	1169.2	1162.0	1151.8	1138.5	1142.6	1124.2	1118.0	1127.2	1139.5	1136.4
5°	1081.2	1058.7	1043.3	1019.8	1015.7	1006.5	1000.4	992.2	1002.4	1016.7	1019.8
7.5°	995.3	975.8	960.5	953.3	948.2	944.1	931.8	925.7	925.7	931.8	937.0
10°	958.4	944.1	941.1	943.1	951.3	950.3	939.0	930.8	920.6	915.5	921.6
12.5°	1009.6	986.1	982.0	983.0	993.2	992.2	979.9	969.7	967.6	969.7	989.1
15°	1096.5	1060.7	1034.1	1029.0	1034.1	1032.1	1022.9	1016.7	1019.8	1049.5	1082.2
17.5°	1174.3	1119.0	1071.0	1052.5	1051.5	1048.5	1039.3	1037.2	1052.5	1107.8	1155.9
20°	1196.8	1142.6	1074.0	1050.5	1045.4	1042.3	1032.1	1035.2	1054.6	1121.1	1162.0
22.5°	1167.1	1114.9	1043.3	1019.8	1015.7	1014.7	1004.5	1008.6	1024.9	1083.2	1117.0
25°	1110.9	1066.9	992.2	971.7	971.7	969.7	960.5	962.5	972.8	1023.9	1056.6
27.5°	1042.3	1000.4	938.0	917.5	920.6	923.7	912.4	909.3	917.5	965.6	985.0
30°	963.6	933.9	884.8	866.4	865.4	877.6	862.3	858.2	869.5	907.3	911.4
32.5°	886.8	872.5	837.7	823.4	824.4	826.5	818.3	818.3	828.5	849.0	848.0
35°	812.2	803.0	796.8	786.6	785.6	781.5	781.5	783.5	794.8	801.9	788.6
37.5°	740.6	749.8	756.9	746.7	738.5	738.5	738.5	747.7	758.0	754.9	732.4
40°	677.1	696.6	719.1	707.8	688.4	687.4	691.5	706.8	722.2	703.7	683.3
42.5°	622.9	647.5	679.2	673.1	651.6	648.5	651.6	671.0	683.3	659.8	637.3
45°	569.7	600.4	638.3	638.3	614.8	611.7	612.7	638.3	645.4	617.8	589.2
47.5°	524.7	558.5	598.4	598.4	579.0	572.8	577.9	604.5	609.6	570.8	544.2
50°	481.8	518.6	562.6	559.5	546.2	541.1	550.3	579.0	572.8	529.9	502.2
52.5°	427.6	466.4	526.8	529.9	522.7	523.7	535.0	553.4	536.0	483.8	460.3
55°	378.5	418.4	478.7	495.1	495.1	494.1	499.2	513.5	499.2	436.8	408.1
57.5°	325.3	359.0	409.2	413.2	416.3	405.1	412.2	431.7	424.5	371.3	354.9
60°	267.0	295.6	324.3	327.3	314.0	290.5	303.8	326.3	331.4	291.5	273.1
62.5°	189.2	216.9	250.6	250.6	237.3	213.8	231.2	250.6	243.4	202.5	191.3
65°	141.2	166.7	192.3	203.6	192.3	175.9	189.2	203.6	192.3	158.5	142.2
67.5°	91.0	108.4	123.8	133.0	135.0	133.0	139.1	135.0	121.7	99.2	90.0
70°	55.2	64.4	72.6	80.8	86.9	90.0	93.1	83.9	70.6	58.3	55.2
72.5°	39.9	48.1	55.2	61.4	68.5	70.6	70.6	64.4	52.2	40.9	37.8
75°	27.6	34.8	40.9	45.0	51.1	53.2	53.2	48.1	38.9	29.7	26.6
77.5°	1.0	7.2	7.2	6.1	8.2	10.2	10.2	12.3	11.3	8.2	7.2
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: P634849

CATALOG NUMBER: GWS-SA3C-750-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1300.1	1300.1	1300.1	1300.1	1300.1	1300.1	1300.1	1300.1	1300.1	1300.1	1300.1
2.5°	1142.6	1179.4	1189.6	1227.5	1261.2	1295.0	1335.9	1360.4	1397.3	1422.8	1437.2
5°	1030.0	1060.7	1097.6	1153.8	1212.1	1276.6	1354.3	1421.8	1506.7	1569.1	1589.6
7.5°	948.2	988.1	1031.1	1101.6	1181.4	1267.4	1376.8	1487.3	1617.2	1702.1	1756.3
10°	932.9	973.8	1031.1	1100.6	1184.5	1282.7	1416.7	1559.9	1722.5	1825.8	1887.2
12.5°	1006.5	1050.5	1075.1	1106.8	1170.2	1279.6	1451.5	1633.5	1824.8	1937.3	2002.8
15°	1114.9	1153.8	1113.9	1074.0	1114.9	1246.9	1470.9	1694.9	1914.8	2044.7	2112.3
17.5°	1189.6	1192.7	1105.7	1020.8	1032.1	1187.6	1478.1	1756.3	2011.0	2147.0	2217.6
20°	1182.5	1157.9	1069.9	975.8	941.1	1110.9	1469.9	1810.5	2108.2	2250.3	2319.9
22.5°	1127.2	1098.6	1023.9	931.8	864.3	1019.8	1455.6	1859.6	2197.2	2358.8	2424.2
25°	1060.7	1030.0	968.7	887.9	815.2	931.8	1444.3	1927.1	2309.7	2499.9	2551.1
27.5°	983.0	956.4	904.2	845.9	794.8	865.4	1441.2	2016.1	2445.7	2671.8	2707.6
30°	907.3	882.7	841.8	808.1	786.6	826.5	1431.0	2111.2	2608.4	2869.2	2908.1
32.5°	834.7	810.1	784.6	779.4	780.5	812.2	1396.2	2205.3	2801.7	3155.6	3184.2
35°	772.3	743.6	733.4	745.7	768.2	787.6	1298.0	2283.1	3009.3	3467.6	3491.1
37.5°	713.0	684.3	683.3	713.0	737.5	749.8	1182.5	2359.8	3289.6	3784.7	3814.3
40°	658.7	630.1	640.3	676.1	695.6	701.7	1042.3	2476.4	3586.2	4119.2	4102.8
42.5°	612.7	583.0	589.2	635.2	652.6	669.0	913.4	2573.6	3871.6	4436.3	4431.1
45°	567.7	545.2	541.1	591.2	606.6	672.0	819.3	2648.2	4238.8	4840.3	4848.5
47.5°	523.7	506.3	507.4	528.8	566.7	687.4	739.5	2697.3	4771.8	5480.6	5338.4
50°	483.8	470.5	481.8	457.2	541.1	667.9	671.0	2687.1	5367.1	6094.3	5809.0
52.5°	439.8	436.8	441.9	382.6	500.2	589.2	606.6	2551.1	5646.3	6513.7	6351.1
55°	394.8	393.8	352.9	305.8	418.4	470.5	519.6	2128.6	5637.1	6736.7	6934.1
57.5°	341.6	333.5	268.0	249.6	325.3	327.3	473.6	1394.2	4995.8	6202.8	6611.9
60°	258.8	252.7	196.4	202.5	227.1	209.7	377.4	694.5	3733.5	4832.1	5293.4
62.5°	179.0	170.8	146.3	156.5	146.3	119.7	231.2	343.7	2261.6	3051.3	3469.6
65°	130.9	121.7	100.2	85.9	68.5	68.5	88.0	132.0	875.6	1297.0	1564.0
67.5°	80.8	76.7	59.3	43.0	41.9	45.0	46.0	65.5	141.2	225.0	275.2
70°	52.2	48.1	39.9	27.6	25.6	26.6	27.6	30.7	35.8	38.9	47.1
72.5°	35.8	33.8	28.6	15.3	12.3	13.3	14.3	14.3	17.4	16.4	19.4
75°	25.6	23.5	20.5	7.2	4.1	5.1	6.1	5.1	6.1	4.1	5.1
77.5°	7.2	7.2	5.1	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: P634849

CATALOG NUMBER: GWS-SA3C-750-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1300.1	1300.1	1300.1	1300.1	1300.1	1300.1	1300.1	1300.1	1300.1	1300.1
2.5°	1474.0	1497.5	1506.7	1493.4	1504.7	1486.3	1479.1	1451.5	1449.4	1444.3
5°	1672.4	1725.6	1757.3	1776.8	1754.2	1729.7	1692.9	1629.5	1610.0	1597.7
7.5°	1867.8	1950.6	2004.9	2030.4	2024.3	1974.2	1907.7	1801.3	1763.5	1745.0
10°	2037.6	2138.9	2204.3	2236.0	2222.7	2178.7	2083.6	1950.6	1900.5	1889.3
12.5°	2156.2	2249.3	2294.3	2321.9	2323.0	2305.6	2215.6	2081.6	2022.2	2007.9
15°	2230.9	2270.8	2271.8	2288.2	2316.8	2355.7	2313.8	2195.1	2131.7	2110.2
17.5°	2278.0	2234.0	2189.0	2193.1	2240.1	2343.4	2386.4	2295.4	2227.8	2204.3
20°	2311.7	2172.6	2088.7	2089.8	2137.8	2294.3	2436.5	2392.5	2323.0	2301.5
22.5°	2333.2	2118.4	1998.7	1995.6	2046.8	2236.0	2482.5	2508.1	2439.6	2415.0
25°	2377.2	2092.8	1944.5	1961.9	2006.9	2217.6	2544.9	2661.5	2598.1	2565.4
27.5°	2455.9	2118.4	1939.4	1979.3	2030.4	2271.8	2653.4	2866.1	2800.7	2763.8
30°	2592.0	2214.5	2018.2	2073.4	2134.8	2414.0	2835.4	3151.5	3057.4	3022.6
32.5°	2810.9	2414.0	2261.6	2380.3	2439.6	2647.2	3108.5	3471.7	3395.0	3325.4
35°	3112.6	2869.2	2851.8	3128.0	3113.7	3089.1	3444.1	3864.5	3748.9	3681.4
37.5°	3527.9	3601.6	3730.5	4004.6	3995.4	3808.2	3884.9	4235.8	4176.4	4089.5
40°	4046.5	4203.0	4421.9	4814.7	4692.0	4456.7	4426.0	4616.3	4568.2	4465.9
42.5°	4352.4	4622.4	5039.8	5392.6	5294.5	4883.3	4848.5	5124.7	5019.3	4907.8
45°	4494.6	4964.1	5782.4	6260.1	5962.4	5166.6	5153.3	5787.5	5728.2	5578.8
47.5°	4560.0	5308.8	6651.8	7375.0	6818.5	5415.2	5367.1	6749.0	6671.3	6495.3
50°	4632.6	5784.4	7699.3	8666.9	7852.7	5696.4	5731.2	7645.0	7612.3	7404.7
52.5°	4792.2	6287.7	8989.1	10143.9	9106.7	6137.3	6356.2	8489.9	8269.0	8029.6
55°	5031.6	6835.9	10331.1	11652.7	10386.4	6729.6	7032.3	8939.0	8319.1	8054.2
57.5°	4766.6	6973.0	11125.9	12706.3	10954.1	6731.6	6460.5	8160.6	7316.7	7059.9
60°	3782.6	6487.1	10820.1	12478.2	10470.2	5977.7	4946.7	6371.5	5543.0	5371.2
62.5°	2557.2	5440.7	9525.1	10553.1	8961.5	4702.2	3214.9	4143.7	3431.8	3289.6
65°	1401.4	4058.8	7696.2	7983.6	7013.9	3284.5	1654.0	1798.2	1369.6	1306.2
67.5°	386.7	2825.2	5662.7	5296.5	4921.1	2138.9	427.6	321.2	229.1	227.1
70°	97.2	1868.8	3392.9	3497.2	3017.5	1369.6	81.8	38.9	30.7	29.7
72.5°	40.9	804.0	1610.0	1850.4	1544.6	634.2	29.7	11.3	9.2	7.2
75°	5.1	64.4	137.1	207.6	142.2	68.5	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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