

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: P634299

Luminaire Tested: GWS-SA3B-740-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634299
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-SA3B-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: 5577.5 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

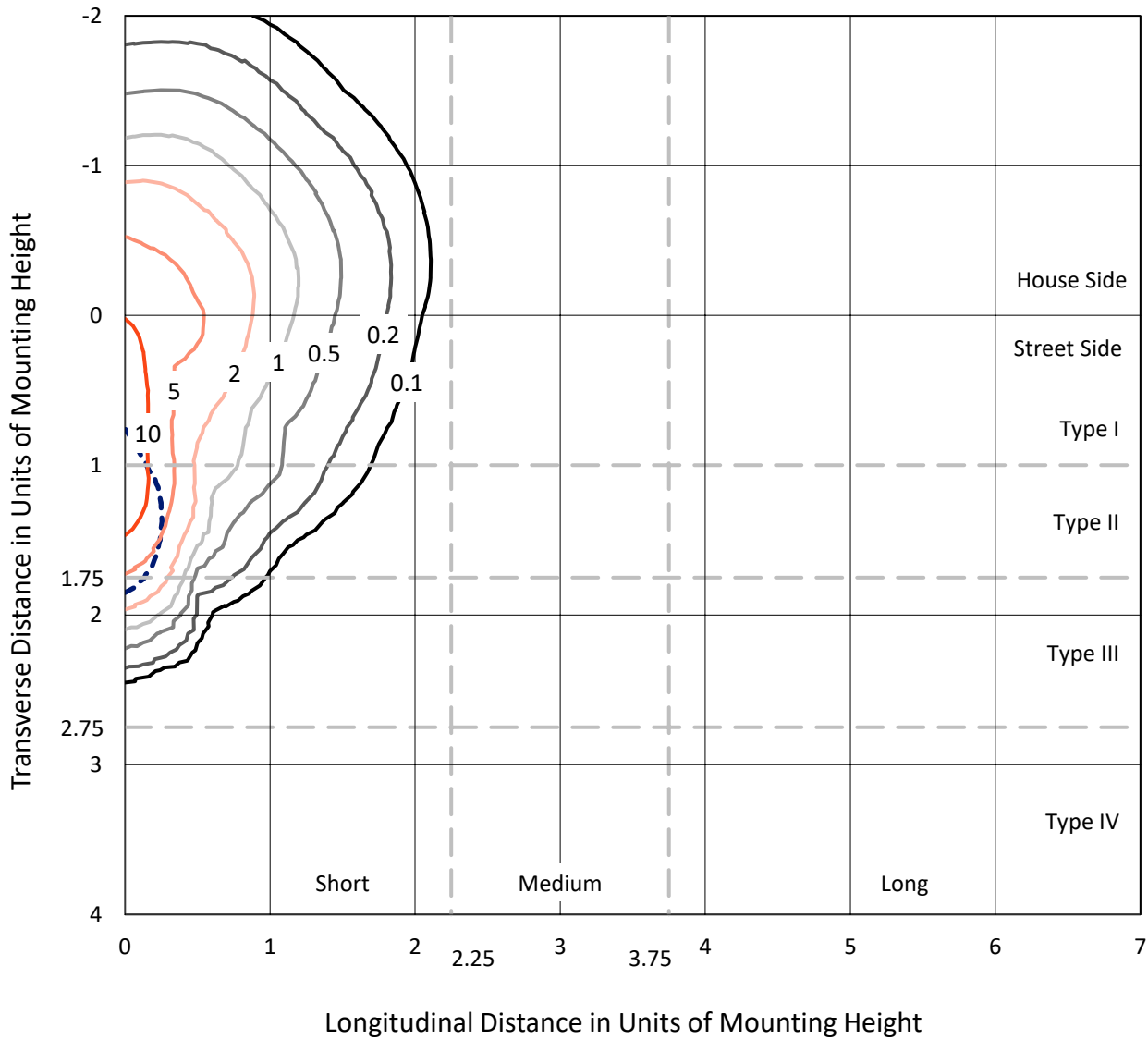
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634299
 CATALOG NUMBER: GWS-SA3B-740-U-SLL-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

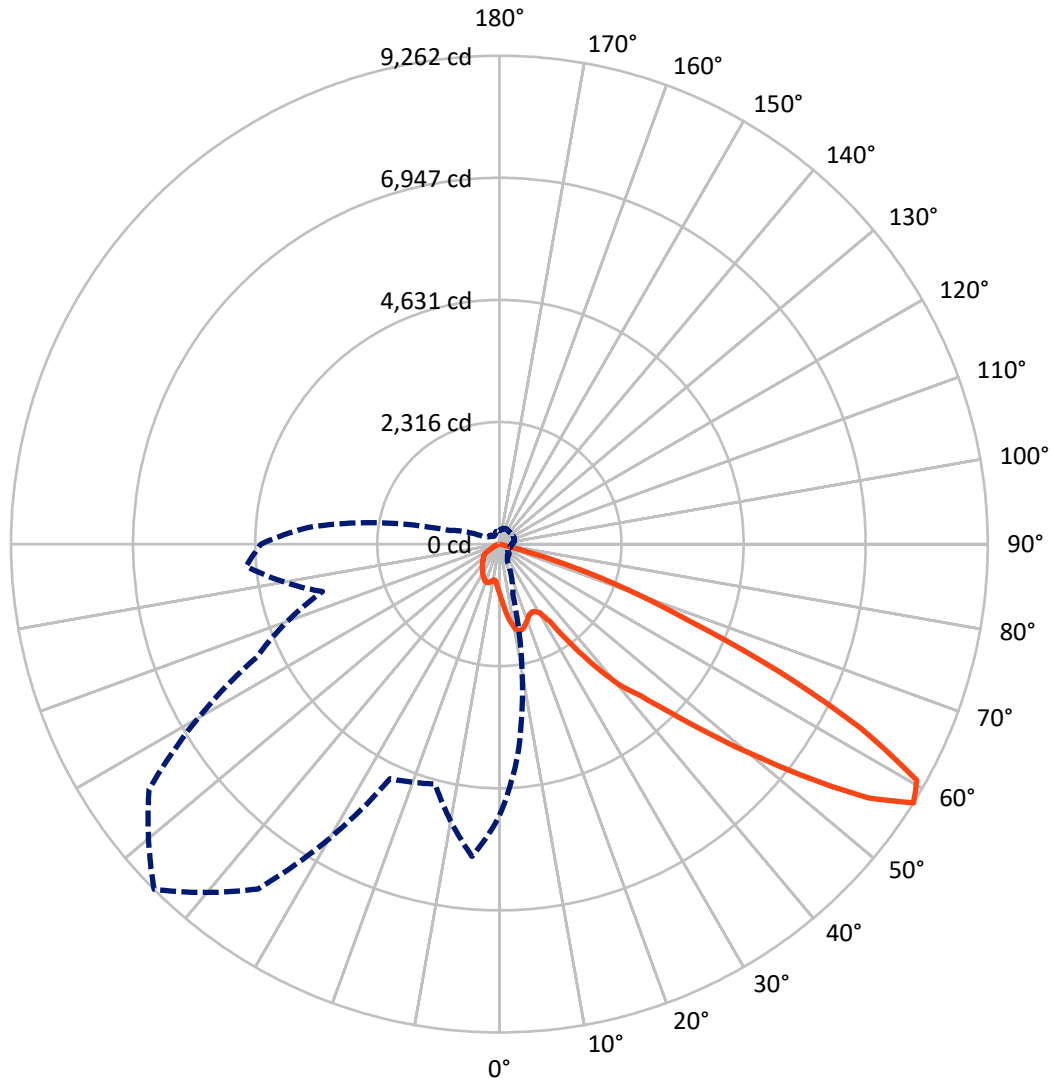
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.9 fc
 Type III - Short - N/A

REPORT NUMBER: P634299
CATALOG NUMBER: GWS-SA3B-740-U-SLL-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P634299

CATALOG NUMBER: GWS-SA3B-740-U-SLL-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1201.6	0.0	1201.6
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	4375.9	0.0	4375.9
	% Fixture	78.5	0.0	78.5
Total	Lumens	5577.5	0.0	5577.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.7	1.7
10°-20°	308.2	5.5
20°-30°	500.2	9.0
30°-40°	767.7	13.8
40°-50°	1226.1	22.0
50°-60°	1716.7	30.8
60°-70°	880.2	15.8
70°-80°	84.7	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°	5577.5	100.0
0°-180°	5577.5	100.0

Coefficient of Utilization



REPORT NUMBER: P634299

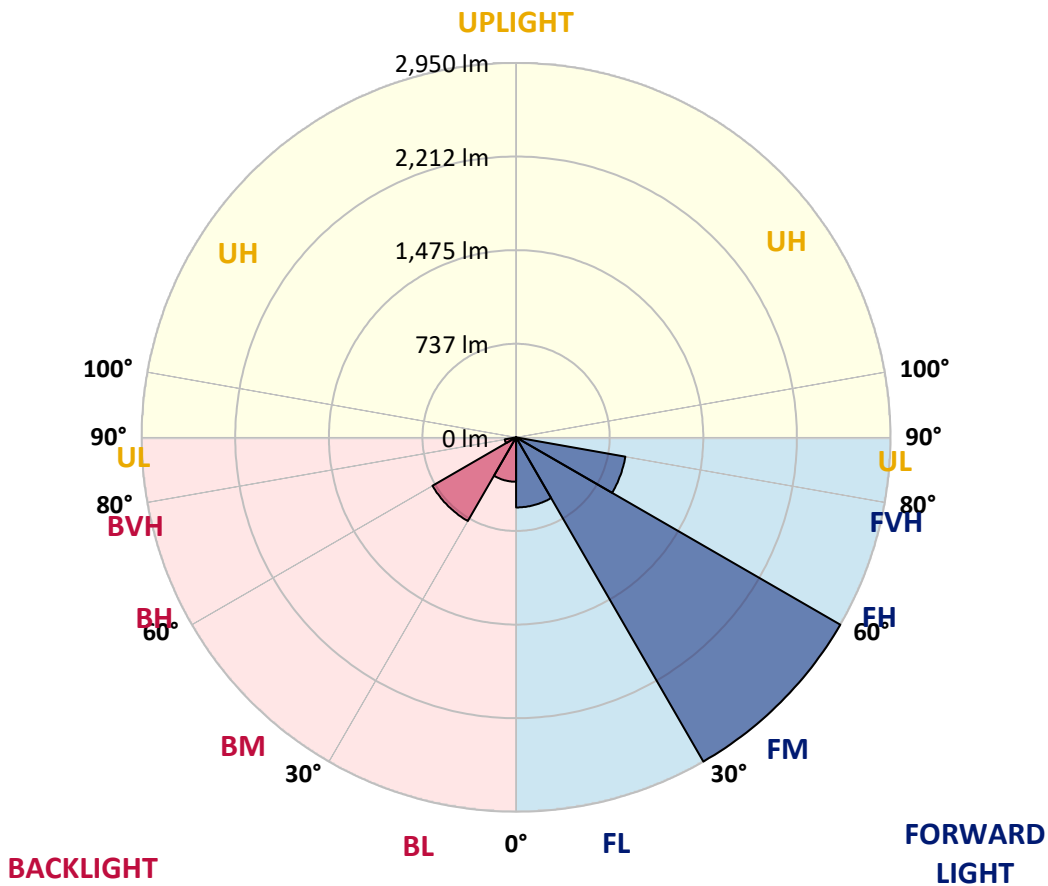
CATALOG NUMBER: GWS-SA3B-740-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	552.2	9.9			
FM (30°-60°)	2949.5	52.9			
FH (60°-80°)	874.2	15.7			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	349.9	6.3	B1/500		
BM (30°-60°)	761.0	13.6	B1/1000		
BH (60°-80°)	90.7	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





REPORT NUMBER: P634299

CATALOG NUMBER: GWS-SA3B-740-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	947.7	947.7	947.7	947.7	947.7	947.7	947.7	947.7	947.7	947.7	947.7
2.5°	1052.8	1050.6	1043.1	1017.8	1002.1	977.5	959.6	936.5	911.2	895.5	879.8
5°	1164.7	1158.7	1138.6	1080.4	1035.7	987.2	948.4	905.9	860.5	830.6	803.0
7.5°	1272.1	1263.1	1236.3	1137.8	1070.0	1000.6	945.5	883.6	819.5	774.7	740.4
10°	1377.2	1357.1	1314.6	1193.8	1102.0	1018.5	953.7	882.8	807.5	750.9	712.8
12.5°	1463.7	1448.8	1390.6	1246.7	1128.9	1022.3	942.5	876.9	826.2	788.1	753.1
15°	1538.2	1521.8	1466.7	1294.4	1152.0	1007.4	895.5	838.1	846.3	861.2	831.4
17.5°	1606.8	1589.7	1530.0	1333.9	1161.0	970.8	829.9	802.3	847.8	903.7	892.5
20°	1677.7	1658.3	1585.2	1366.0	1158.0	913.4	763.5	771.7	835.9	900.0	905.9
22.5°	1760.4	1740.3	1655.3	1407.0	1155.7	844.8	706.1	744.9	813.5	867.9	878.4
25°	1870.0	1846.2	1753.0	1467.4	1161.7	782.2	665.1	718.8	775.5	824.7	830.6
27.5°	2014.7	1984.1	1865.6	1542.0	1174.4	733.0	647.2	683.0	727.0	771.0	776.2
30°	2203.3	2164.6	1994.6	1606.8	1168.4	698.7	635.3	647.2	673.3	709.1	709.8
32.5°	2424.1	2371.1	2139.2	1662.8	1117.0	673.3	618.9	610.7	616.6	644.2	649.4
35°	2683.5	2614.9	2298.8	1715.7	1023.0	624.1	589.1	561.5	559.2	572.6	585.3
37.5°	2981.0	2899.0	2500.1	1783.6	911.9	572.6	545.1	517.5	505.5	512.3	531.6
40°	3255.4	3164.5	2710.4	1865.6	798.6	526.4	493.6	465.3	451.1	453.3	477.2
42.5°	3577.5	3483.6	2967.6	1972.9	704.6	495.1	439.9	410.8	392.2	402.6	430.2
45°	4066.7	3960.1	3342.7	2066.1	630.1	487.6	392.9	351.9	343.0	360.9	393.7
47.5°	4734.8	4604.3	3857.9	2122.8	566.7	494.4	360.1	304.2	306.5	326.6	359.4
50°	5397.6	5256.7	4453.7	2048.3	514.5	480.9	343.7	266.9	281.1	299.0	328.8
52.5°	5853.2	5669.8	4743.7	1832.8	466.8	430.2	342.2	231.9	258.7	264.7	290.1
55°	5871.1	5645.2	4595.3	1445.0	401.9	363.1	326.6	202.8	234.1	236.4	258.0
57.5°	5146.4	4942.1	4016.0	992.4	357.2	266.2	260.2	177.5	192.4	211.0	224.4
60°	3915.3	3741.6	3003.4	454.8	271.4	169.3	178.2	152.9	143.9	171.5	184.9
62.5°	2398.0	2286.9	1801.4	201.3	173.0	90.2	108.1	121.5	108.1	118.6	129.7
65°	952.2	903.0	683.7	85.7	70.8	45.5	49.2	70.8	76.1	83.5	93.9
67.5°	165.5	156.6	114.8	38.0	29.1	27.6	23.9	32.8	46.2	51.4	59.7
70°	21.6	20.9	18.6	15.7	14.9	13.4	10.4	20.9	31.3	32.8	38.0
72.5°	5.2	4.5	4.5	3.7	4.5	1.5	1.5	11.2	22.4	23.1	26.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	14.2	15.7	18.6
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



REPORT NUMBER: P634299

CATALOG NUMBER: GWS-SA3B-740-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	947.7	947.7	947.7	947.7	947.7	947.7	947.7	947.7	947.7	947.7	947.7
2.5°	867.2	852.3	847.0	839.6	829.9	832.9	819.5	815.0	821.7	830.6	828.4
5°	788.1	771.7	760.5	743.4	740.4	733.7	729.2	723.3	730.7	741.2	743.4
7.5°	725.5	711.3	700.1	694.9	691.2	688.2	679.3	674.8	674.8	679.3	683.0
10°	698.7	688.2	686.0	687.5	693.4	692.7	684.5	678.5	671.1	667.3	671.8
12.5°	735.9	718.8	715.8	716.6	724.0	723.3	714.3	706.9	705.4	706.9	721.0
15°	799.3	773.2	753.8	750.1	753.8	752.3	745.6	741.2	743.4	765.0	788.9
17.5°	856.0	815.7	780.7	767.3	766.5	764.3	757.6	756.1	767.3	807.5	842.6
20°	872.4	832.9	782.9	765.8	762.0	759.8	752.3	754.6	768.7	817.2	847.0
22.5°	850.8	812.7	760.5	743.4	740.4	739.7	732.2	735.2	747.1	789.6	814.2
25°	809.8	777.7	723.3	708.4	708.4	706.9	700.1	701.6	709.1	746.4	770.2
27.5°	759.8	729.2	683.7	668.8	671.1	673.3	665.1	662.9	668.8	703.9	718.0
30°	702.4	680.8	645.0	631.6	630.8	639.8	628.6	625.6	633.8	661.4	664.4
32.5°	646.5	636.0	610.7	600.2	601.0	602.5	596.5	596.5	604.0	618.9	618.1
35°	592.0	585.3	580.8	573.4	572.6	569.7	569.7	571.2	579.4	584.6	574.9
37.5°	539.8	546.5	551.8	544.3	538.3	538.3	538.3	545.1	552.5	550.3	533.9
40°	493.6	507.8	524.2	516.0	501.8	501.1	504.0	515.2	526.4	513.0	498.1
42.5°	454.1	472.0	495.1	490.6	475.0	472.7	475.0	489.1	498.1	480.9	464.5
45°	415.3	437.7	465.3	465.3	448.1	445.9	446.6	465.3	470.5	450.4	429.5
47.5°	382.5	407.1	436.2	436.2	422.0	417.6	421.3	440.7	444.4	416.1	396.7
50°	351.2	378.0	410.1	407.9	398.2	394.4	401.2	422.0	417.6	386.2	366.1
52.5°	311.7	340.0	384.0	386.2	381.0	381.8	390.0	403.4	390.7	352.7	335.5
55°	275.9	305.0	349.0	360.9	360.9	360.1	363.9	374.3	363.9	318.4	297.5
57.5°	237.1	261.7	298.3	301.2	303.5	295.3	300.5	314.7	309.4	270.7	258.7
60°	194.6	215.5	236.4	238.6	228.9	211.8	221.5	237.9	241.6	212.5	199.1
62.5°	137.9	158.1	182.7	182.7	173.0	155.8	168.5	182.7	177.5	147.6	139.4
65°	102.9	121.5	140.2	148.4	140.2	128.2	137.9	148.4	140.2	115.6	103.6
67.5°	66.4	79.0	90.2	96.9	98.4	96.9	101.4	98.4	88.7	72.3	65.6
70°	40.3	47.0	52.9	58.9	63.4	65.6	67.9	61.1	51.4	42.5	40.3
72.5°	29.1	35.0	40.3	44.7	50.0	51.4	51.4	47.0	38.0	29.8	27.6
75°	20.1	25.4	29.8	32.8	37.3	38.8	38.8	35.0	28.3	21.6	19.4
77.5°	0.7	5.2	5.2	4.5	6.0	7.5	7.5	8.9	8.2	6.0	5.2
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: P634299
 CATALOG NUMBER: GWS-SA3B-740-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	947.7	947.7	947.7	947.7	947.7	947.7	947.7	947.7	947.7	947.7	947.7
2.5°	832.9	859.7	867.2	894.8	919.4	944.0	973.8	991.7	1018.5	1037.2	1047.6
5°	750.9	773.2	800.1	841.1	883.6	930.6	987.2	1036.4	1098.3	1143.8	1158.7
7.5°	691.2	720.3	751.6	803.0	861.2	923.8	1003.6	1084.2	1178.8	1240.7	1280.3
10°	680.0	709.8	751.6	802.3	863.4	935.0	1032.7	1137.1	1255.6	1331.0	1375.7
12.5°	733.7	765.8	783.7	806.8	853.0	932.8	1058.1	1190.8	1330.2	1412.2	1459.9
15°	812.7	841.1	812.0	782.9	812.7	908.9	1072.2	1235.5	1395.8	1490.5	1539.7
17.5°	867.2	869.4	806.0	744.1	752.3	865.7	1077.4	1280.3	1465.9	1565.1	1616.5
20°	862.0	844.1	779.9	711.3	686.0	809.8	1071.5	1319.8	1536.8	1640.4	1691.1
22.5°	821.7	800.8	746.4	679.3	630.1	743.4	1061.0	1355.6	1601.6	1719.4	1767.2
25°	773.2	750.9	706.1	647.2	594.3	679.3	1052.8	1404.8	1683.6	1822.3	1859.6
27.5°	716.6	697.2	659.1	616.6	579.4	630.8	1050.6	1469.6	1782.8	1947.6	1973.7
30°	661.4	643.5	613.7	589.1	573.4	602.5	1043.1	1539.0	1901.4	2091.5	2119.8
32.5°	608.4	590.5	571.9	568.2	568.9	592.0	1017.8	1607.6	2042.3	2300.3	2321.2
35°	563.0	542.1	534.6	543.6	560.0	574.1	946.2	1664.3	2193.7	2527.7	2544.8
37.5°	519.7	498.8	498.1	519.7	537.6	546.5	862.0	1720.2	2398.0	2758.8	2780.5
40°	480.2	459.3	466.8	492.9	507.0	511.5	759.8	1805.2	2614.2	3002.7	2990.7
42.5°	446.6	425.0	429.5	463.0	475.7	487.6	665.9	1876.0	2822.2	3233.8	3230.1
45°	413.8	397.4	394.4	431.0	442.2	489.9	597.3	1930.4	3089.9	3528.3	3534.3
47.5°	381.8	369.1	369.8	385.5	413.1	501.1	539.1	1966.2	3478.4	3995.1	3891.5
50°	352.7	343.0	351.2	333.3	394.4	486.9	489.1	1958.8	3912.3	4442.5	4234.5
52.5°	320.6	318.4	322.1	278.9	364.6	429.5	442.2	1859.6	4115.9	4748.2	4629.6
55°	287.8	287.1	257.2	222.9	305.0	343.0	378.8	1551.7	4109.2	4910.7	5054.6
57.5°	249.0	243.1	195.4	181.9	237.1	238.6	345.2	1016.3	3641.7	4521.5	4819.8
60°	188.6	184.2	143.2	147.6	165.5	152.9	275.1	506.3	2721.6	3522.4	3858.7
62.5°	130.5	124.5	106.6	114.1	106.6	87.2	168.5	250.5	1648.6	2224.2	2529.2
65°	95.4	88.7	73.1	62.6	50.0	50.0	64.1	96.2	638.3	945.5	1140.1
67.5°	58.9	55.9	43.2	31.3	30.6	32.8	33.6	47.7	102.9	164.0	200.6
70°	38.0	35.0	29.1	20.1	18.6	19.4	20.1	22.4	26.1	28.3	34.3
72.5°	26.1	24.6	20.9	11.2	8.9	9.7	10.4	10.4	12.7	11.9	14.2
75°	18.6	17.1	14.9	5.2	3.0	3.7	4.5	3.7	4.5	3.0	3.7
77.5°	5.2	5.2	3.7	0.7	0.0	0.7	1.5	1.5	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



REPORT NUMBER: P634299

CATALOG NUMBER: GWS-SA3B-740-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	947.7	947.7	947.7	947.7	947.7	947.7	947.7	947.7	947.7	947.7
2.5°	1074.5	1091.6	1098.3	1088.6	1096.8	1083.4	1078.2	1058.1	1056.6	1052.8
5°	1219.1	1257.9	1281.0	1295.2	1278.8	1260.9	1234.0	1187.8	1173.6	1164.7
7.5°	1361.5	1421.9	1461.4	1480.1	1475.6	1439.1	1390.6	1313.1	1285.5	1272.1
10°	1485.3	1559.1	1606.8	1630.0	1620.3	1588.2	1518.9	1421.9	1385.4	1377.2
12.5°	1571.8	1639.6	1672.5	1692.6	1693.3	1680.7	1615.0	1517.4	1474.1	1463.7
15°	1626.2	1655.3	1656.1	1668.0	1688.9	1717.2	1686.6	1600.1	1553.9	1538.2
17.5°	1660.5	1628.5	1595.7	1598.6	1632.9	1708.2	1739.6	1673.2	1624.0	1606.8
20°	1685.1	1583.7	1522.6	1523.3	1558.4	1672.5	1776.1	1744.0	1693.3	1677.7
22.5°	1700.8	1544.2	1457.0	1454.7	1492.0	1630.0	1809.7	1828.3	1778.3	1760.4
25°	1732.9	1525.6	1417.4	1430.1	1462.9	1616.5	1855.1	1940.1	1893.9	1870.0
27.5°	1790.3	1544.2	1413.7	1442.8	1480.1	1656.1	1934.2	2089.3	2041.5	2014.7
30°	1889.4	1614.3	1471.1	1511.4	1556.1	1759.7	2066.9	2297.3	2228.7	2203.3
32.5°	2049.0	1759.7	1648.6	1735.1	1778.3	1929.7	2266.0	2530.7	2474.8	2424.1
35°	2269.0	2091.5	2078.8	2280.1	2269.7	2251.8	2510.5	2817.0	2732.7	2683.5
37.5°	2571.7	2625.4	2719.3	2919.2	2912.4	2776.0	2831.9	3087.7	3044.4	2981.0
40°	2949.7	3063.8	3223.4	3509.7	3420.2	3248.7	3226.4	3365.0	3330.0	3255.4
42.5°	3172.7	3369.5	3673.7	3931.0	3859.4	3559.7	3534.3	3735.6	3658.8	3577.5
45°	3276.3	3618.6	4215.1	4563.3	4346.3	3766.2	3756.5	4218.8	4175.5	4066.7
47.5°	3324.0	3869.8	4848.9	5376.0	4970.4	3947.4	3912.3	4919.7	4863.0	4734.8
50°	3377.0	4216.6	5612.4	6317.8	5724.2	4152.4	4177.8	5572.9	5549.0	5397.6
52.5°	3493.3	4583.4	6552.6	7394.4	6638.4	4473.8	4633.4	6188.8	6027.7	5853.2
55°	3667.8	4983.1	7530.9	8494.3	7571.2	4905.5	5126.2	6516.1	6064.2	5871.1
57.5°	3474.7	5083.0	8110.3	9262.3	7985.0	4907.0	4709.4	5948.7	5333.5	5146.4
60°	2757.4	4728.8	7887.3	9096.0	7632.3	4357.5	3605.9	4644.5	4040.6	3915.3
62.5°	1864.1	3966.0	6943.3	7692.7	6532.5	3427.7	2343.5	3020.6	2501.6	2398.0
65°	1021.5	2958.7	5610.1	5819.7	5112.8	2394.2	1205.7	1310.8	998.4	952.2
67.5°	281.8	2059.4	4127.8	3860.9	3587.2	1559.1	311.7	234.1	167.0	165.5
70°	70.8	1362.3	2473.3	2549.3	2199.6	998.4	59.7	28.3	22.4	21.6
72.5°	29.8	586.1	1173.6	1348.9	1125.9	462.3	21.6	8.2	6.7	5.2
75°	3.7	47.0	99.9	151.4	103.6	50.0	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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