

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: P633364

Luminaire Tested: GWS-SA2E-750-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633364
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-SA2E-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8003.3 lumens
Efficiency: N/A
Efficacy: 74.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

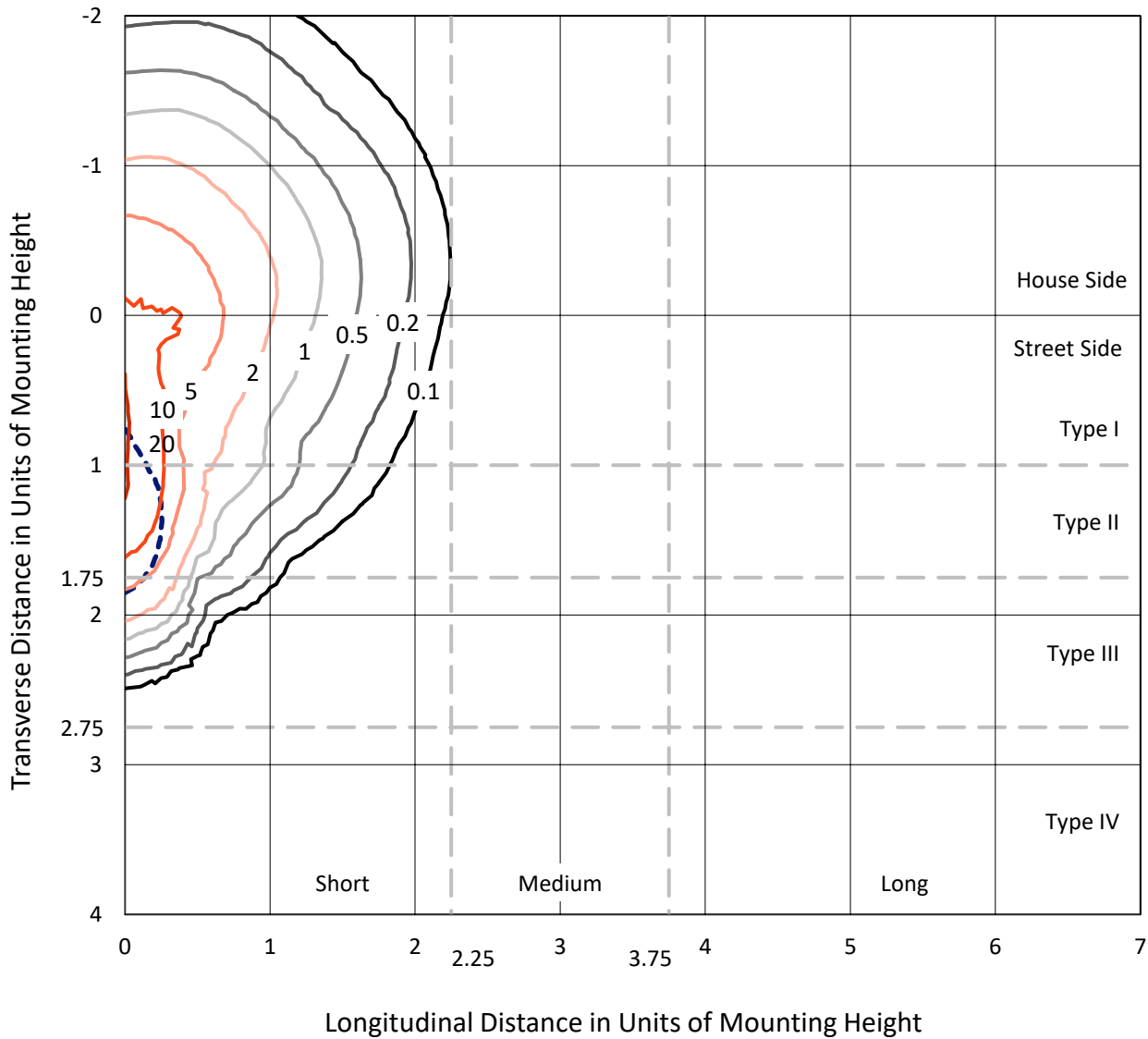
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

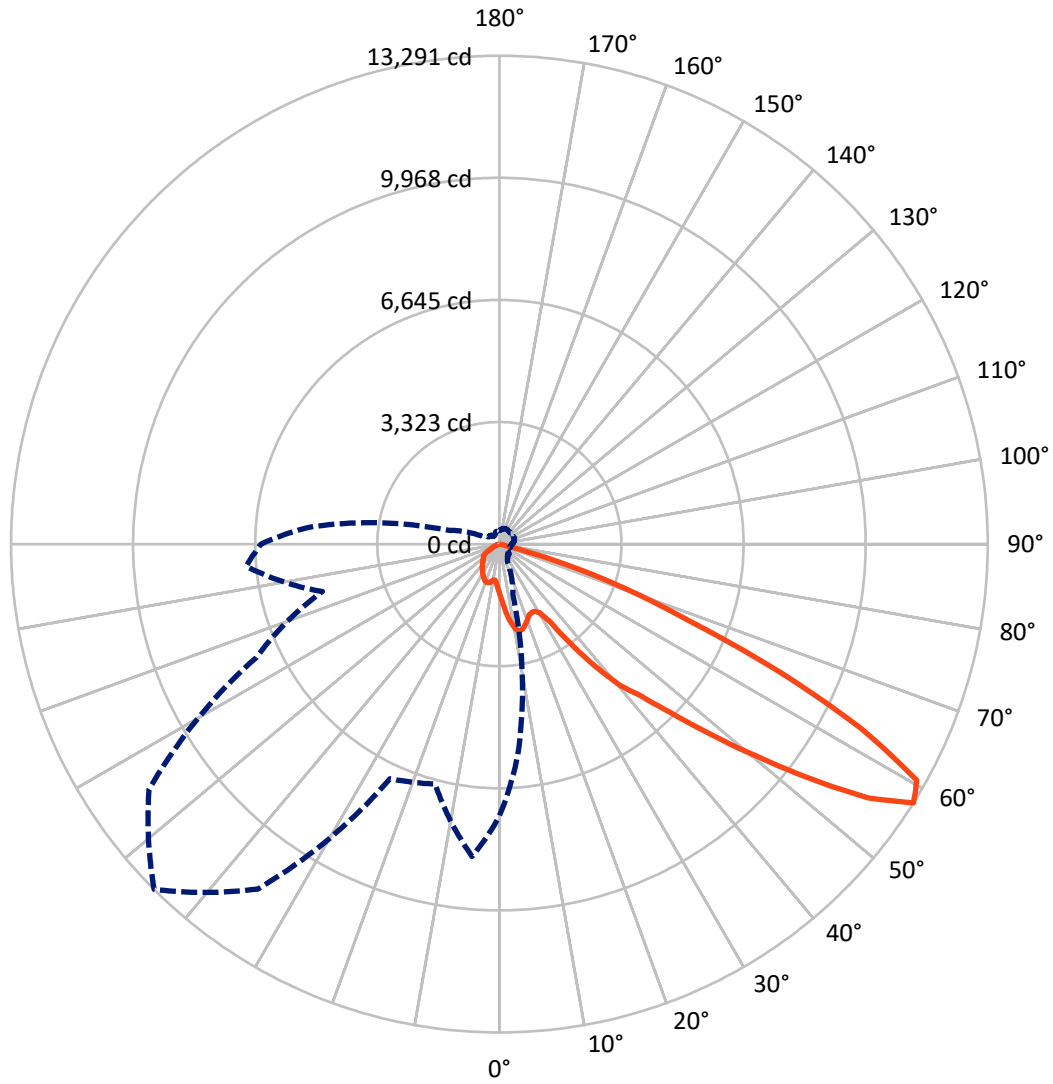
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.4 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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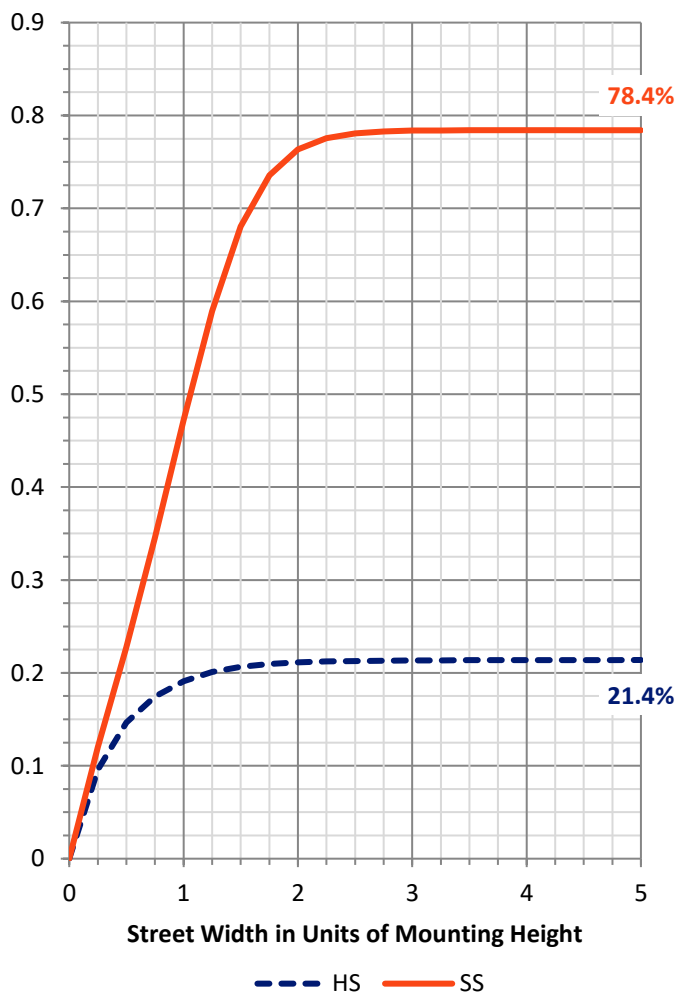
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1724.2	0.0	1724.2
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	6279.1	0.0	6279.1
	% Fixture	78.5	0.0	78.5
Total	Lumens	8003.3	0.0	8003.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.4	1.7
10°-20°	442.3	5.5
20°-30°	717.7	9.0
30°-40°	1101.6	13.8
40°-50°	1759.3	22.0
50°-60°	2463.4	30.8
60°-70°	1263.0	15.8
70°-80°	121.6	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°	8003.3	100.0
0°-180°	8003.3	100.0

Coefficient of Utilization



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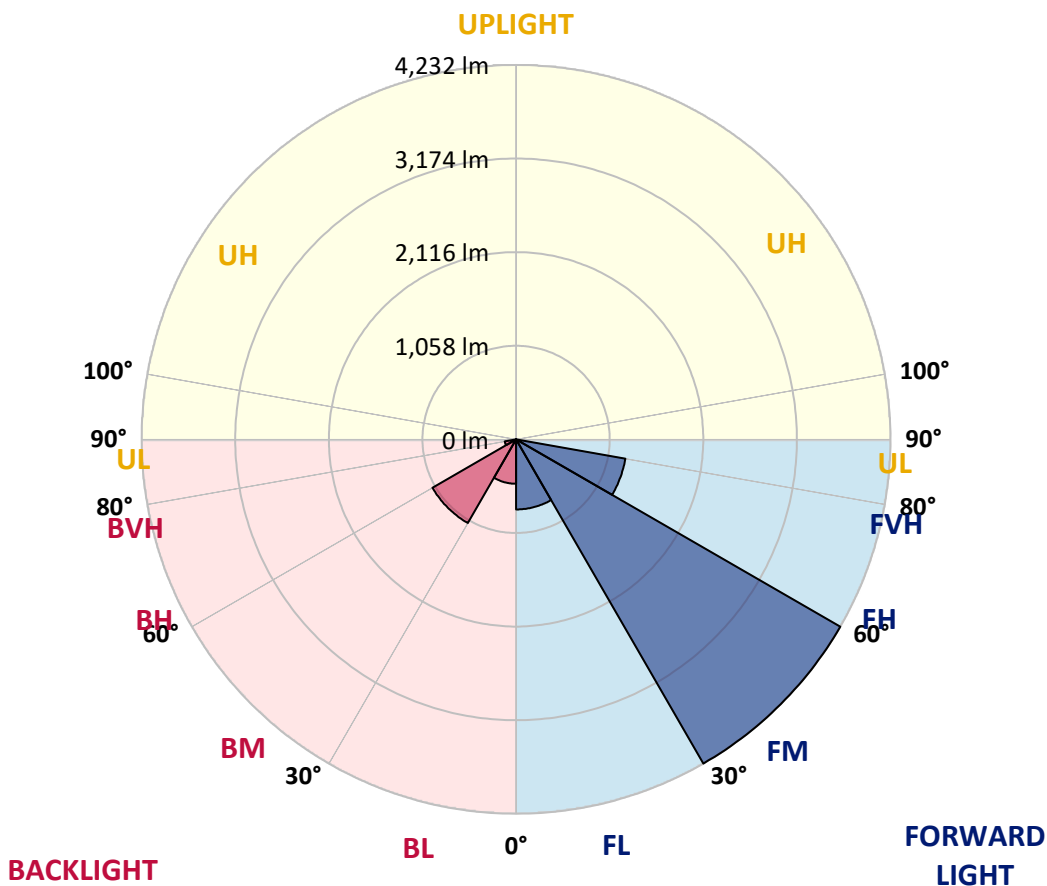
CATALOG NUMBER: GWS-SA2E-750-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	792.4	9.9			
FM (30°-60°)	4232.3	52.9			
FH (60°-80°)	1254.4	15.7			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	502.0	6.3	B2/1000		
BM (30°-60°)	1091.9	13.6	B2/2500		
BH (60°-80°)	130.2	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





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1359.9	1359.9	1359.9	1359.9	1359.9	1359.9	1359.9	1359.9	1359.9	1359.9	1359.9
2.5°	1510.7	1507.5	1496.8	1460.5	1438.0	1402.7	1377.0	1343.8	1307.5	1285.0	1262.5
5°	1671.2	1662.7	1633.8	1550.3	1486.1	1416.6	1360.9	1300.0	1234.7	1191.9	1152.3
7.5°	1825.3	1812.5	1773.9	1632.7	1535.3	1435.8	1356.7	1267.9	1175.9	1111.7	1062.4
10°	1976.2	1947.3	1886.3	1713.0	1581.4	1461.5	1368.4	1266.8	1158.7	1077.4	1022.9
12.5°	2100.3	2078.9	1995.4	1788.9	1619.9	1466.9	1352.4	1258.2	1185.5	1130.9	1080.6
15°	2207.3	2183.7	2104.5	1857.4	1653.0	1445.5	1285.0	1202.6	1214.4	1235.8	1193.0
17.5°	2305.7	2281.1	2195.5	1914.1	1665.9	1393.0	1190.8	1151.2	1216.5	1296.8	1280.7
20°	2407.3	2379.5	2274.7	1960.1	1661.6	1310.7	1095.6	1107.4	1199.4	1291.4	1300.0
22.5°	2526.1	2497.2	2375.2	2019.0	1658.4	1212.2	1013.2	1068.9	1167.3	1245.4	1260.4
25°	2683.4	2649.1	2515.4	2105.6	1666.9	1122.4	954.4	1031.4	1112.7	1183.3	1191.9
27.5°	2890.9	2847.1	2677.0	2212.6	1685.1	1051.7	928.7	980.1	1043.2	1106.3	1113.8
30°	3161.6	3106.0	2862.1	2305.7	1676.6	1002.5	911.6	928.7	966.1	1017.5	1018.6
32.5°	3478.3	3402.4	3069.6	2385.9	1602.8	966.1	888.0	876.3	884.8	924.4	931.9
35°	3850.7	3752.2	3298.6	2461.9	1467.9	895.5	845.2	805.7	802.4	821.7	839.9
37.5°	4277.6	4159.9	3587.5	2559.3	1308.5	821.7	782.1	742.5	725.4	735.0	762.9
40°	4671.3	4540.8	3889.2	2677.0	1145.9	755.4	708.3	667.6	647.3	650.5	684.8
42.5°	5133.5	4998.7	4258.3	2831.0	1011.1	710.4	631.3	589.5	562.8	577.8	617.3
45°	5835.4	5682.4	4796.5	2964.8	904.1	699.7	563.9	505.0	492.2	517.8	564.9
47.5°	6794.0	6606.8	5535.8	3046.1	813.1	709.4	516.8	436.5	439.7	468.6	515.7
50°	7745.2	7543.0	6390.7	2939.1	738.3	690.1	493.2	383.0	403.4	429.0	471.8
52.5°	8398.9	8135.7	6806.9	2629.9	669.8	617.3	491.1	332.7	371.3	379.8	416.2
55°	8424.6	8100.4	6594.0	2073.5	576.7	521.1	468.6	291.0	336.0	339.2	370.2
57.5°	7384.6	7091.5	5762.6	1424.1	512.5	382.0	373.4	254.6	276.0	302.8	322.0
60°	5618.2	5368.9	4309.7	652.7	389.5	242.9	255.7	219.3	206.5	246.1	265.3
62.5°	3440.9	3281.5	2584.9	288.9	248.2	129.5	155.1	174.4	155.1	170.1	186.2
65°	1366.3	1295.7	981.1	123.0	101.6	65.3	70.6	101.6	109.1	119.8	134.8
67.5°	237.5	224.7	164.8	54.6	41.7	39.6	34.2	47.1	66.3	73.8	85.6
70°	31.0	30.0	26.7	22.5	21.4	19.3	15.0	30.0	44.9	47.1	54.6
72.5°	7.5	6.4	6.4	5.3	6.4	2.1	2.1	16.0	32.1	33.2	38.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	20.3	22.5	26.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
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°	1359.9	1359.9	1359.9	1359.9	1359.9	1359.9	1359.9	1359.9	1359.9	1359.9	1359.9
2.5°	1244.3	1222.9	1215.4	1204.7	1190.8	1195.1	1175.9	1169.4	1179.1	1191.9	1188.7
5°	1130.9	1107.4	1091.3	1066.7	1062.4	1052.8	1046.4	1037.8	1048.5	1063.5	1066.7
7.5°	1041.0	1020.7	1004.7	997.2	991.8	987.5	974.7	968.3	968.3	974.7	980.1
10°	1002.5	987.5	984.3	986.5	995.0	994.0	982.2	973.6	962.9	957.6	964.0
12.5°	1056.0	1031.4	1027.1	1028.2	1038.9	1037.8	1025.0	1014.3	1012.2	1014.3	1034.6
15°	1147.0	1109.5	1081.7	1076.3	1081.7	1079.6	1069.9	1063.5	1066.7	1097.7	1132.0
17.5°	1228.3	1170.5	1120.2	1101.0	1099.9	1096.7	1087.0	1084.9	1101.0	1158.7	1209.0
20°	1251.8	1195.1	1123.4	1098.8	1093.5	1090.3	1079.6	1082.8	1103.1	1172.6	1215.4
22.5°	1220.8	1166.2	1091.3	1066.7	1062.4	1061.4	1050.7	1054.9	1072.1	1133.1	1168.4
25°	1161.9	1115.9	1037.8	1016.4	1016.4	1014.3	1004.7	1006.8	1017.5	1071.0	1105.2
27.5°	1090.3	1046.4	981.1	959.7	962.9	966.1	954.4	951.2	959.7	1010.0	1030.3
30°	1007.9	976.8	925.5	906.2	905.2	918.0	901.9	897.7	909.4	949.0	953.3
32.5°	927.6	912.6	876.3	861.3	862.4	864.5	855.9	855.9	866.6	888.0	887.0
35°	849.5	839.9	833.5	822.8	821.7	817.4	817.4	819.6	831.3	838.8	824.9
37.5°	774.6	784.3	791.7	781.0	772.5	772.5	772.5	782.1	792.8	789.6	766.1
40°	708.3	728.6	752.2	740.4	720.1	719.0	723.3	739.3	755.4	736.1	714.7
42.5°	651.6	677.3	710.4	704.0	681.5	678.3	681.5	701.9	714.7	690.1	666.6
45°	596.0	628.0	667.6	667.6	643.0	639.8	640.9	667.6	675.1	646.2	616.3
47.5°	548.9	584.2	625.9	625.9	605.6	599.2	604.5	632.3	637.7	597.0	569.2
50°	503.9	542.5	588.5	585.3	571.3	566.0	575.6	605.6	599.2	554.2	525.3
52.5°	447.2	487.9	551.0	554.2	546.7	547.8	559.6	578.8	560.6	506.1	481.5
55°	395.9	437.6	500.7	517.8	517.8	516.8	522.1	537.1	522.1	456.9	426.9
57.5°	340.2	375.5	428.0	432.3	435.5	423.7	431.2	451.5	444.0	388.4	371.3
60°	279.3	309.2	339.2	342.4	328.5	303.9	317.8	341.3	346.7	304.9	285.7
62.5°	197.9	226.8	262.1	262.1	248.2	223.6	241.8	262.1	254.6	211.8	200.1
65°	147.7	174.4	201.1	212.9	201.1	184.0	197.9	212.9	201.1	165.8	148.7
67.5°	95.2	113.4	129.5	139.1	141.2	139.1	145.5	141.2	127.3	103.8	94.2
70°	57.8	67.4	76.0	84.5	90.9	94.2	97.4	87.7	73.8	61.0	57.8
72.5°	41.7	50.3	57.8	64.2	71.7	73.8	73.8	67.4	54.6	42.8	39.6
75°	28.9	36.4	42.8	47.1	53.5	55.6	55.6	50.3	40.7	31.0	27.8
77.5°	1.1	7.5	7.5	6.4	8.6	10.7	10.7	12.8	11.8	8.6	7.5
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°	1359.9	1359.9	1359.9	1359.9	1359.9	1359.9	1359.9	1359.9	1359.9	1359.9	1359.9
2.5°	1195.1	1233.6	1244.3	1283.9	1319.2	1354.5	1397.3	1423.0	1461.5	1488.3	1503.2
5°	1077.4	1109.5	1148.0	1206.9	1267.9	1335.3	1416.6	1487.2	1576.0	1641.3	1662.7
7.5°	991.8	1033.6	1078.5	1152.3	1235.8	1325.6	1440.1	1555.7	1691.6	1780.4	1837.1
10°	975.8	1018.6	1078.5	1151.2	1239.0	1341.7	1481.9	1631.6	1801.8	1909.8	1974.0
12.5°	1052.8	1098.8	1124.5	1157.7	1224.0	1338.5	1518.2	1708.7	1908.8	2026.4	2094.9
15°	1166.2	1206.9	1165.2	1123.4	1166.2	1304.2	1538.6	1772.9	2002.9	2138.8	2209.4
17.5°	1244.3	1247.5	1156.6	1067.8	1079.6	1242.2	1546.0	1837.1	2103.5	2245.8	2319.6
20°	1236.8	1211.2	1119.1	1020.7	984.3	1161.9	1537.5	1893.8	2205.1	2353.8	2426.6
22.5°	1179.1	1149.1	1071.0	974.7	904.1	1066.7	1522.5	1945.1	2298.2	2467.3	2535.7
25°	1109.5	1077.4	1013.2	928.7	852.7	974.7	1510.7	2015.7	2415.9	2614.9	2668.4
27.5°	1028.2	1000.4	945.8	884.8	831.3	905.2	1507.5	2108.8	2558.2	2794.7	2832.1
30°	949.0	923.3	880.6	845.2	822.8	864.5	1496.8	2208.3	2728.3	3001.1	3041.8
32.5°	873.1	847.4	820.6	815.3	816.4	849.5	1460.5	2306.8	2930.5	3300.7	3330.7
35°	807.8	777.8	767.1	780.0	803.5	823.8	1357.7	2388.1	3147.7	3627.1	3651.7
37.5°	745.7	715.8	714.7	745.7	771.4	784.3	1236.8	2468.3	3440.9	3958.7	3989.8
40°	689.0	659.1	669.8	707.2	727.6	734.0	1090.3	2590.3	3751.2	4308.6	4291.5
42.5°	640.9	609.9	616.3	664.4	682.6	699.7	955.4	2691.9	4049.7	4640.3	4634.9
45°	593.8	570.3	566.0	618.4	634.5	702.9	857.0	2770.0	4433.8	5062.9	5071.5
47.5°	547.8	529.6	530.7	553.2	592.7	719.0	773.6	2821.4	4991.2	5732.7	5584.0
50°	506.1	492.2	503.9	478.3	566.0	698.7	701.9	2810.7	5613.9	6374.6	6076.1
52.5°	460.1	456.9	462.2	400.2	523.2	616.3	634.5	2668.4	5906.0	6813.3	6643.2
55°	413.0	411.9	369.1	319.9	437.6	492.2	543.5	2226.5	5896.4	7046.5	7253.0
57.5°	357.4	348.8	280.3	261.1	340.2	342.4	495.4	1458.3	5225.5	6488.0	6916.0
60°	270.7	264.3	205.4	211.8	237.5	219.3	394.8	726.5	3905.2	5054.3	5536.9
62.5°	187.2	178.7	153.0	163.7	153.0	125.2	241.8	359.5	2365.6	3191.6	3629.2
65°	137.0	127.3	104.9	89.9	71.7	71.7	92.0	138.0	915.9	1356.7	1635.9
67.5°	84.5	80.2	62.1	44.9	43.9	47.1	48.1	68.5	147.7	235.4	287.8
70°	54.6	50.3	41.7	28.9	26.7	27.8	28.9	32.1	37.4	40.7	49.2
72.5°	37.4	35.3	30.0	16.0	12.8	13.9	15.0	15.0	18.2	17.1	20.3
75°	26.7	24.6	21.4	7.5	4.3	5.3	6.4	5.3	6.4	4.3	5.3
77.5°	7.5	7.5	5.3	1.1	0.0	1.1	2.1	2.1	1.1	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	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-SA2E-750-U-SLL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1359.9	1359.9	1359.9	1359.9	1359.9	1359.9	1359.9	1359.9	1359.9	1359.9
2.5°	1541.8	1566.4	1576.0	1562.1	1573.9	1554.6	1547.1	1518.2	1516.1	1510.7
5°	1749.3	1805.0	1838.1	1858.5	1834.9	1809.2	1770.7	1704.4	1684.1	1671.2
7.5°	1953.7	2040.4	2097.1	2123.8	2117.4	2065.0	1995.4	1884.1	1844.6	1825.3
10°	2131.3	2237.2	2305.7	2338.9	2325.0	2278.9	2179.4	2040.4	1987.9	1976.2
12.5°	2255.4	2352.8	2399.8	2428.7	2429.8	2411.6	2317.5	2177.3	2115.2	2100.3
15°	2333.5	2375.2	2376.3	2393.4	2423.4	2464.0	2420.2	2296.1	2229.7	2207.3
17.5°	2382.7	2336.7	2289.6	2293.9	2343.1	2451.2	2496.1	2400.9	2330.3	2305.7
20°	2418.0	2272.5	2184.8	2185.9	2236.2	2399.8	2548.6	2502.6	2429.8	2407.3
22.5°	2440.5	2215.8	2090.6	2087.4	2140.9	2338.9	2596.7	2623.5	2551.8	2526.1
25°	2486.5	2189.1	2033.9	2052.1	2099.2	2319.6	2662.0	2784.0	2717.6	2683.4
27.5°	2568.9	2215.8	2028.6	2070.3	2123.8	2376.3	2775.4	2997.9	2929.5	2890.9
30°	2711.2	2316.4	2111.0	2168.7	2232.9	2525.0	2965.8	3296.5	3198.0	3161.6
32.5°	2940.2	2525.0	2365.6	2489.7	2551.8	2769.0	3251.5	3631.3	3551.1	3478.3
35°	3255.8	3001.1	2983.0	3271.8	3256.9	3231.2	3602.4	4042.2	3921.3	3850.7
37.5°	3690.2	3767.2	3902.0	4188.8	4179.1	3983.3	4063.6	4430.6	4368.5	4277.6
40°	4232.6	4396.3	4625.3	5036.2	4907.8	4661.7	4629.6	4828.6	4778.3	4671.3
42.5°	4552.5	4835.0	5271.5	5640.7	5538.0	5107.8	5071.5	5360.3	5250.1	5133.5
45°	4701.3	5192.4	6048.3	6548.0	6236.6	5404.2	5390.3	6053.7	5991.6	5835.4
47.5°	4769.7	5552.9	6957.7	7714.2	7132.1	5664.2	5613.9	7059.4	6978.1	6794.0
50°	4845.7	6050.4	8053.4	9065.5	8213.8	5958.4	5994.8	7996.6	7962.4	7745.2
52.5°	5012.6	6576.9	9402.5	10610.5	9525.6	6419.6	6648.5	8880.4	8649.3	8398.9
55°	5263.0	7150.3	10806.3	12188.6	10864.1	7039.1	7355.8	9350.1	8701.7	8424.6
57.5°	4985.9	7293.7	11637.6	13290.7	11457.9	7041.2	6757.7	8535.9	7653.2	7384.6
60°	3956.6	6785.5	11317.7	13052.1	10951.8	6252.7	5174.2	6664.6	5797.9	5618.2
62.5°	2674.8	5691.0	9963.2	11038.5	9373.6	4918.5	3362.8	4334.3	3589.6	3440.9
65°	1465.8	4245.5	8050.1	8350.8	7336.5	3435.5	1730.1	1880.9	1432.6	1366.3
67.5°	404.4	2955.1	5923.1	5540.1	5147.4	2237.2	447.2	336.0	239.7	237.5
70°	101.6	1954.8	3549.0	3658.1	3156.3	1432.6	85.6	40.7	32.1	31.0
72.5°	42.8	841.0	1684.1	1935.5	1615.6	663.4	31.0	11.8	9.6	7.5
75°	5.3	67.4	143.4	217.2	148.7	71.7	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

(END OF REPORT)