

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: P635841

Luminaire Tested: GWS-SA3E-750-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635841
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-40)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-750-U-SLL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13620.3 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G3

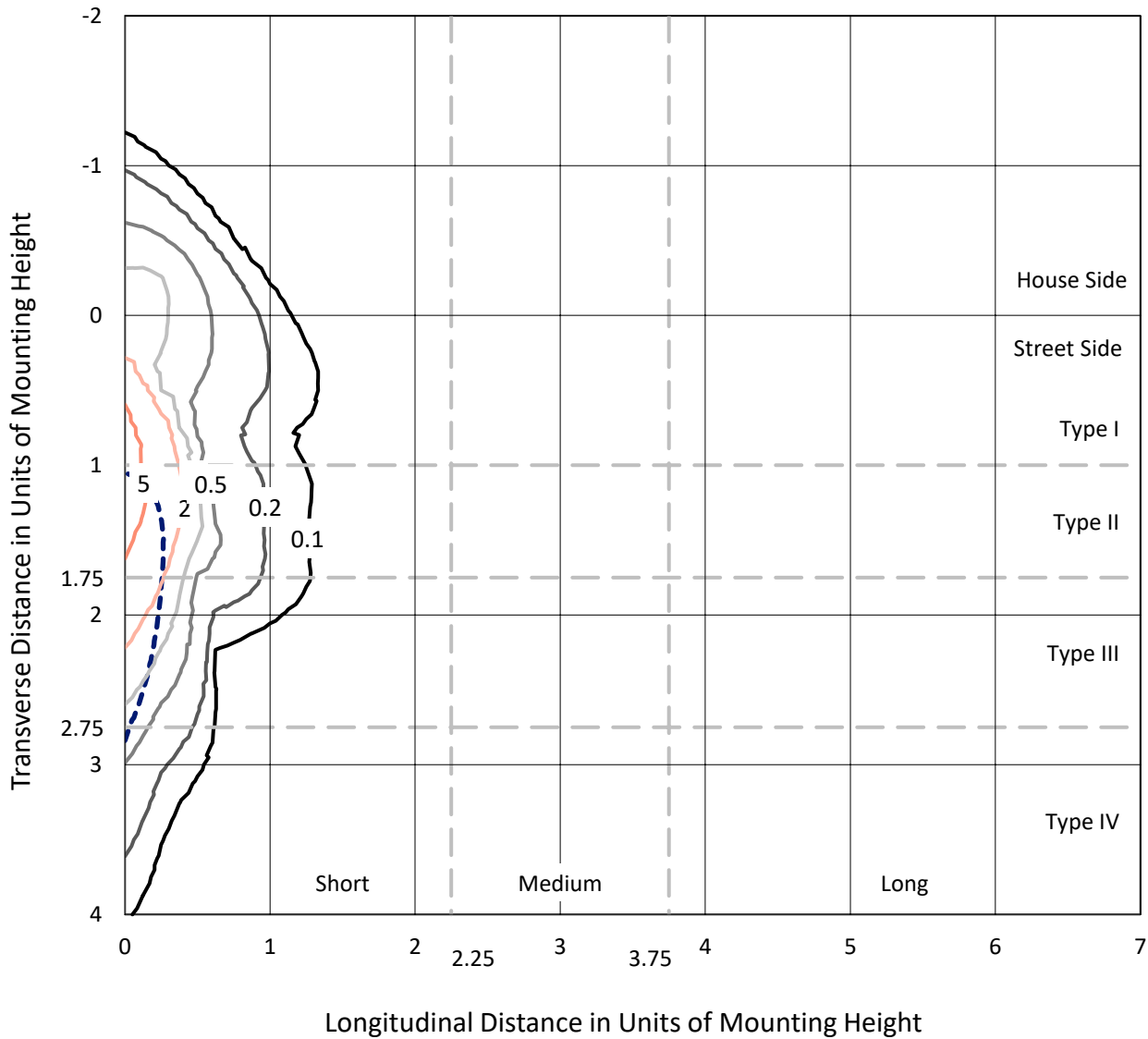
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

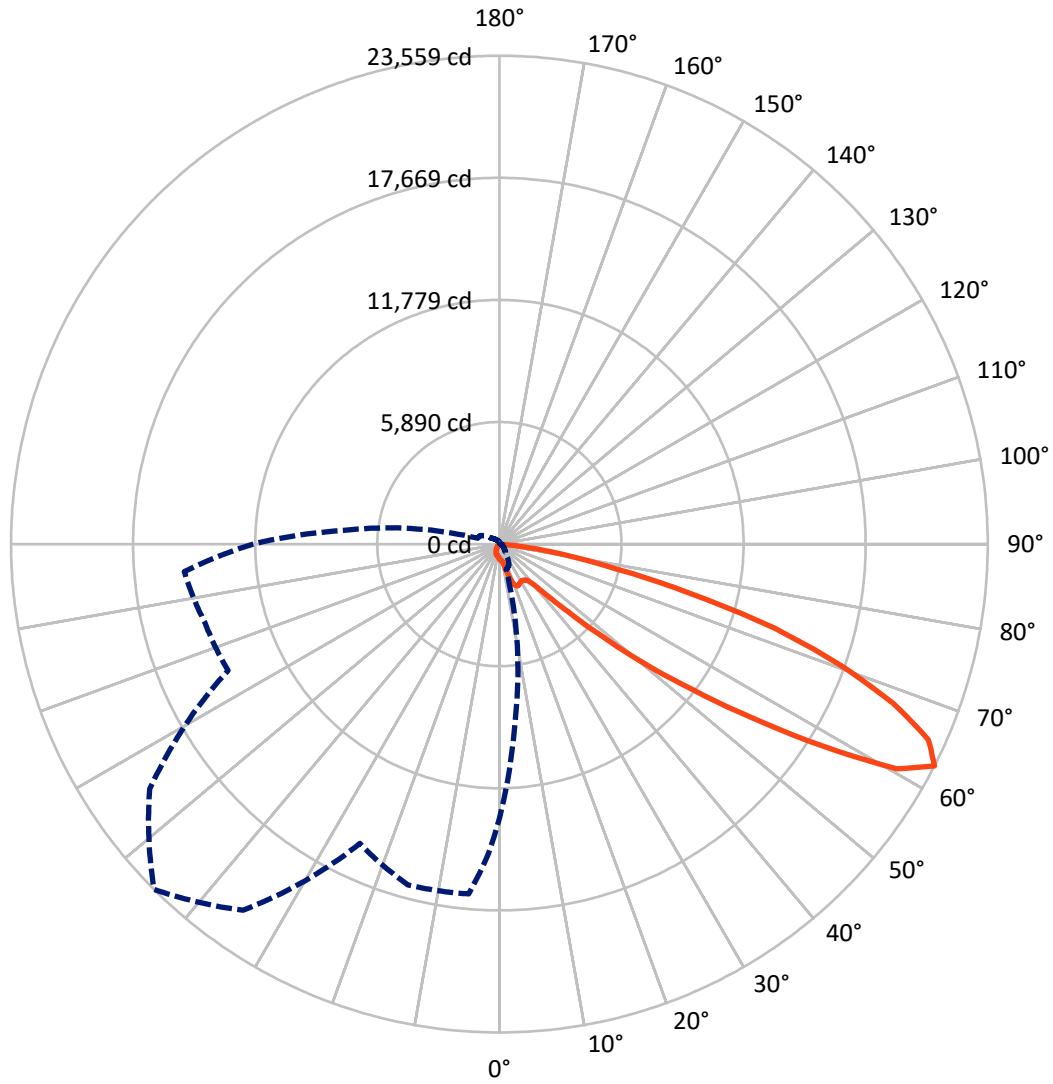
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.1 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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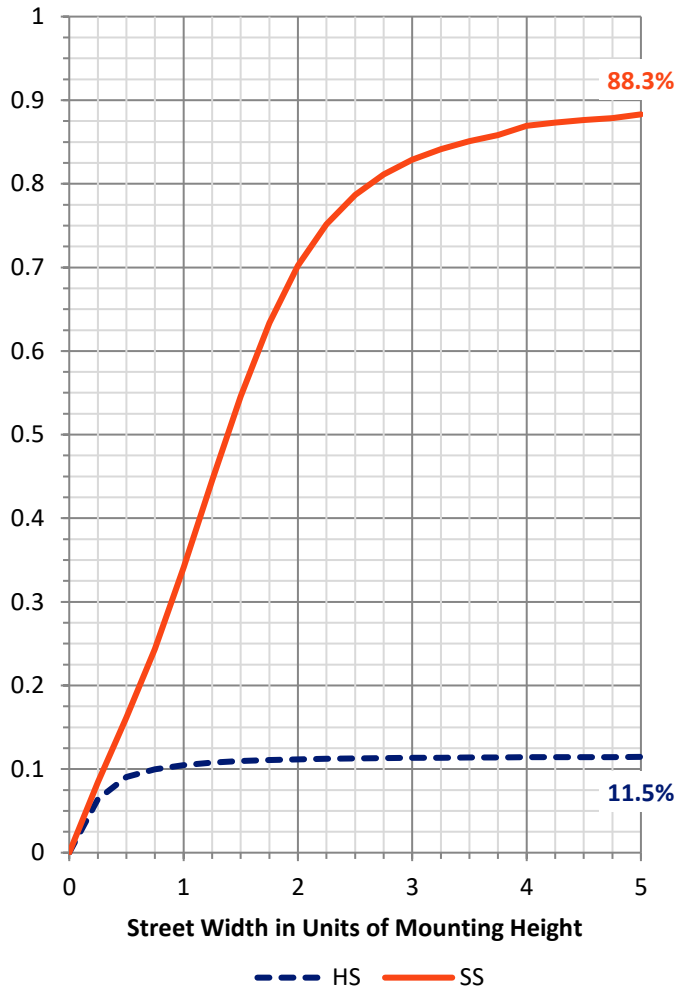
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1582.5	0.0	1582.5
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	12037.8	0.0	12037.8
	% Fixture	88.4	0.0	88.4
Total	Lumens	13620.3	0.0	13620.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.0	0.4
10°-20°	209.1	1.5
20°-30°	472.3	3.5
30°-40°	813.7	6.0
40°-50°	1534.9	11.3
50°-60°	3427.0	25.2
60°-70°	4583.5	33.7
70°-80°	2298.5	16.9
80°-90°	220.3	1.6
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°	13620.3	100.0
0°-180°	13620.3	100.0

Coefficient of Utilization



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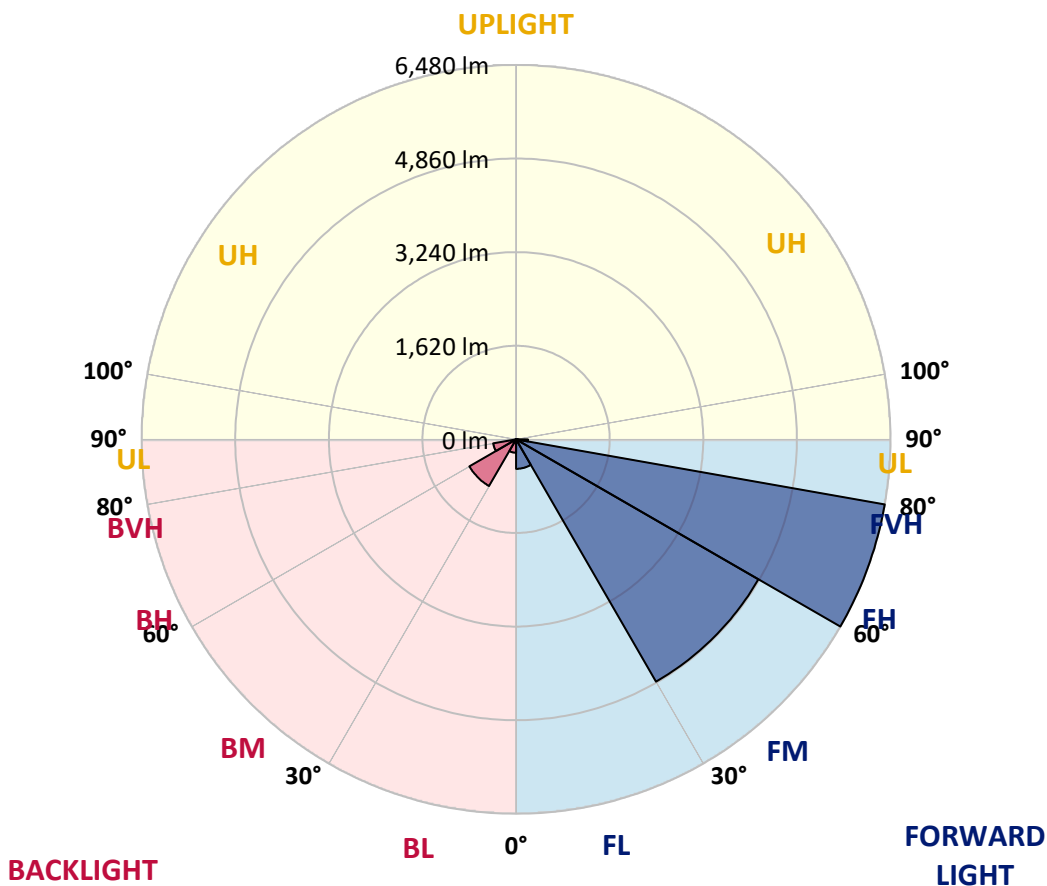
CATALOG NUMBER: GWS-SA3E-750-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	510.1	3.7			
FM (30°-60°)	4842.4	35.6			
FH (60°-80°)	6479.6	47.6			G3/7500
FVH (80°-90°)	205.7	1.5			G2/225
BL (0°-30°)	232.3	1.7	B1/500		
BM (30°-60°)	933.1	6.9	B1/1000		
BH (60°-80°)	402.4	3.0	B1/500		G1/500
BVH (80°-90°)	14.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	706.4	706.4	706.4	706.4	706.4	706.4	706.4	706.4	706.4	706.4	706.4
2.5°	698.3	696.7	693.5	683.8	675.7	670.9	661.2	661.2	659.6	656.4	649.9
5°	675.7	669.3	662.8	645.1	625.7	614.4	601.5	599.9	599.9	596.7	595.1
7.5°	640.2	633.8	625.7	596.7	579.0	567.7	556.4	554.8	549.9	549.9	549.9
10°	620.9	611.2	598.3	566.1	548.3	538.6	530.6	525.7	522.5	517.7	516.1
12.5°	662.8	645.1	617.7	559.6	535.4	522.5	512.8	509.6	499.9	493.5	488.7
15°	793.5	749.9	695.1	574.1	530.6	511.2	498.3	491.9	483.8	472.5	464.5
17.5°	1007.9	945.0	853.1	620.9	525.7	501.6	485.4	474.1	462.8	449.9	440.3
20°	1304.7	1211.1	1101.5	706.4	525.7	490.3	470.9	456.4	440.3	425.8	414.5
22.5°	1682.1	1588.5	1401.4	851.5	532.2	475.8	453.2	433.8	414.5	401.6	388.7
25°	2104.6	1972.3	1798.2	1027.3	549.9	456.4	432.2	412.9	395.1	379.0	364.5
27.5°	2575.5	2432.0	2199.7	1277.3	588.6	437.0	409.6	391.9	375.8	359.6	340.3
30°	3009.3	2923.8	2686.8	1577.2	651.5	424.1	391.9	375.8	359.6	338.7	320.9
32.5°	3530.2	3378.6	3183.5	1919.1	735.4	411.2	377.4	354.8	341.9	322.5	303.2
35°	4054.4	3925.3	3668.9	2340.0	828.9	398.3	359.6	338.7	327.4	304.8	283.8
37.5°	4594.6	4565.6	4312.4	2806.1	920.9	383.8	338.7	325.8	314.5	288.7	264.5
40°	5126.8	5073.6	4839.8	3338.3	977.3	367.7	320.9	312.9	300.0	270.9	243.5
42.5°	5636.4	5596.1	5368.7	3847.9	969.2	353.2	303.2	293.5	283.8	254.8	220.9
45°	6262.2	6196.0	5909.0	4225.3	887.0	369.3	285.5	269.3	267.7	240.3	198.4
47.5°	7433.0	7215.3	6728.2	4515.6	804.7	411.2	266.1	246.7	258.0	225.8	175.8
50°	9073.1	8816.7	8111.9	4741.4	803.1	466.1	262.9	225.8	250.0	214.5	156.4
52.5°	10721.3	10269.8	9413.4	4862.3	862.8	506.4	291.9	204.8	240.3	203.2	141.9
55°	12300.2	11363.2	9958.5	4462.4	909.6	549.9	345.1	193.5	222.6	190.3	133.9
57.5°	13804.8	12242.1	10195.6	3530.2	1066.0	567.7	377.4	198.4	196.8	174.2	127.4
60°	14011.3	12200.2	9716.6	2053.0	1175.7	537.0	364.5	220.9	172.6	154.8	116.1
62.5°	13230.7	11389.0	8624.8	1280.5	1091.8	525.7	324.2	251.6	156.4	137.1	101.6
65°	12045.4	10116.5	7191.1	825.7	827.3	583.8	283.8	246.7	146.8	121.0	87.1
67.5°	10192.3	8466.7	5665.5	553.2	467.7	498.3	248.4	169.3	143.5	103.2	67.7
70°	7439.4	6026.7	3688.3	369.3	279.0	398.3	208.0	121.0	135.5	85.5	48.4
72.5°	5438.1	4049.5	2059.4	241.9	158.0	232.2	153.2	87.1	104.8	62.9	33.9
75°	3914.1	2786.8	1175.7	154.8	104.8	127.4	100.0	59.7	67.7	50.0	30.6
77.5°	1883.6	1357.9	533.8	85.5	71.0	64.5	53.2	37.1	41.9	45.2	27.4
80°	71.0	53.2	40.3	41.9	45.2	29.0	24.2	19.4	24.2	30.6	14.5
82.5°	0.0	0.0	0.0	4.8	6.5	8.1	9.7	8.1	9.7	11.3	1.6
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-SA3E-750-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	706.4	706.4	706.4	706.4	706.4	706.4	706.4	706.4	706.4	706.4	706.4
2.5°	654.8	651.5	654.8	658.0	661.2	664.4	659.6	662.8	666.1	658.0	661.2
5°	603.2	601.5	611.2	616.1	622.5	625.7	622.5	622.5	620.9	611.2	611.2
7.5°	558.0	559.6	567.7	579.0	587.0	591.9	588.6	587.0	582.2	567.7	567.7
10°	524.1	524.1	537.0	546.7	558.0	562.8	559.6	554.8	549.9	535.4	533.8
12.5°	496.7	496.7	506.4	522.5	535.4	541.9	540.3	533.8	525.7	511.2	509.6
15°	470.9	469.3	483.8	498.3	516.1	524.1	520.9	516.1	501.6	488.7	485.4
17.5°	445.1	443.5	456.4	475.8	495.1	506.4	504.8	493.5	480.6	464.5	461.2
20°	419.3	416.1	432.2	451.6	470.9	482.2	479.0	469.3	453.2	437.0	433.8
22.5°	393.5	391.9	403.2	419.3	437.0	446.7	445.1	437.0	420.9	406.4	406.4
25°	364.5	364.5	372.5	383.8	396.7	401.6	403.2	400.0	390.3	382.2	382.2
27.5°	340.3	335.4	338.7	341.9	348.3	356.4	356.4	359.6	361.2	358.0	359.6
30°	320.9	312.9	308.0	301.6	298.4	301.6	304.8	316.1	327.4	333.8	337.1
32.5°	298.4	288.7	275.8	258.0	246.7	243.5	253.2	274.2	295.1	309.6	317.7
35°	275.8	262.9	238.7	212.9	198.4	193.5	204.8	229.0	259.6	285.5	296.7
37.5°	253.2	235.5	201.6	170.9	154.8	151.6	162.9	188.7	224.2	259.6	274.2
40°	227.4	206.4	166.1	133.9	121.0	117.7	127.4	153.2	190.3	230.6	253.2
42.5°	201.6	175.8	133.9	106.4	93.5	93.5	106.4	125.8	159.7	203.2	230.6
45°	175.8	148.4	109.7	85.5	77.4	79.0	87.1	106.4	133.9	179.0	204.8
47.5°	151.6	127.4	90.3	71.0	64.5	66.1	75.8	91.9	114.5	154.8	182.2
50°	130.6	108.1	79.0	59.7	54.8	58.1	67.7	82.2	101.6	137.1	159.7
52.5°	117.7	96.8	72.6	51.6	48.4	51.6	61.3	74.2	91.9	121.0	143.5
55°	111.3	95.2	72.6	46.8	41.9	45.2	54.8	67.7	82.2	109.7	129.0
57.5°	109.7	98.4	77.4	41.9	35.5	38.7	48.4	61.3	75.8	100.0	116.1
60°	103.2	93.5	75.8	33.9	27.4	32.3	40.3	53.2	69.3	93.5	108.1
62.5°	90.3	82.2	66.1	27.4	21.0	24.2	33.9	46.8	62.9	85.5	101.6
65°	74.2	66.1	51.6	17.7	12.9	16.1	25.8	40.3	54.8	77.4	91.9
67.5°	54.8	46.8	35.5	11.3	6.5	11.3	21.0	33.9	50.0	69.3	83.9
70°	33.9	27.4	19.4	6.5	4.8	9.7	19.4	32.3	45.2	64.5	79.0
72.5°	19.4	12.9	8.1	3.2	4.8	9.7	19.4	32.3	43.5	61.3	74.2
75°	14.5	8.1	3.2	1.6	3.2	8.1	17.7	29.0	41.9	58.1	71.0
77.5°	9.7	4.8	1.6	0.0	1.6	6.5	16.1	27.4	38.7	54.8	67.7
80°	1.6	0.0	0.0	0.0	0.0	4.8	14.5	24.2	35.5	48.4	59.7
82.5°	0.0	0.0	0.0	0.0	0.0	1.6	11.3	21.0	30.6	40.3	48.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	6.5	16.1	24.2	30.6	33.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	16.1	19.4	22.6
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°	706.4	706.4	706.4	706.4	706.4	706.4	706.4	706.4	706.4	706.4	706.4
2.5°	659.6	669.3	669.3	675.7	683.8	698.3	706.4	717.7	725.7	733.8	737.0
5°	609.6	611.2	612.8	616.1	625.7	641.9	656.4	674.1	695.1	711.2	720.9
7.5°	567.7	567.7	567.7	572.5	582.2	593.5	608.0	632.2	656.4	675.7	691.9
10°	532.2	537.0	538.6	546.7	558.0	572.5	588.6	609.6	637.0	662.8	691.9
12.5°	509.6	514.5	522.5	530.6	541.9	558.0	575.7	603.2	659.6	712.8	774.1
15°	488.7	495.1	504.8	516.1	529.0	546.7	566.1	622.5	754.7	854.7	951.5
17.5°	466.1	475.8	488.7	499.9	516.1	535.4	559.6	669.3	928.9	1095.0	1259.5
20°	437.0	449.9	464.5	482.2	501.6	524.1	559.6	766.0	1180.5	1419.2	1636.9
22.5°	409.6	422.5	440.3	462.8	485.4	508.0	567.7	912.8	1504.7	1806.2	2082.0
25°	387.1	403.2	420.9	440.3	466.1	491.9	587.0	1119.2	1894.9	2283.6	2478.7
27.5°	366.1	385.4	403.2	419.3	441.9	470.9	630.6	1395.0	2356.2	2751.3	2904.5
30°	345.1	367.7	385.4	401.6	424.1	454.8	696.7	1746.6	2869.0	3252.8	3269.0
32.5°	327.4	348.3	369.3	385.4	406.4	441.9	788.6	2157.8	3394.8	3765.7	3614.1
35°	308.0	332.2	351.6	369.3	391.9	430.6	895.1	2601.3	3925.3	4236.6	3957.6
37.5°	288.7	316.1	340.3	353.2	375.8	419.3	972.5	3064.2	4467.2	4696.2	4259.2
40°	270.9	301.6	329.0	341.9	353.2	404.8	983.8	3538.3	5017.2	5149.4	4543.0
42.5°	251.6	285.5	309.6	327.4	337.1	395.1	916.0	3938.2	5478.4	5601.0	4913.9
45°	230.6	270.9	290.3	303.2	322.5	401.6	828.9	4247.9	6005.7	6217.0	5525.2
47.5°	209.7	254.8	270.9	280.6	306.4	440.3	796.7	4454.3	6875.0	7313.7	6555.7
50°	190.3	240.3	258.0	256.4	303.2	490.3	832.2	4610.7	8181.3	8697.4	7968.4
52.5°	169.3	224.2	245.1	238.7	327.4	529.0	903.1	4734.9	9186.0	10319.8	9866.6
55°	151.6	206.4	225.8	224.2	372.5	558.0	958.0	4080.2	9602.1	11827.6	12005.0
57.5°	138.7	187.1	203.2	230.6	401.6	558.0	1107.9	2896.4	9610.2	12937.2	14843.4
60°	127.4	169.3	180.6	253.2	390.3	529.0	1096.6	1774.0	8857.0	12861.4	16352.9
62.5°	117.7	153.2	167.7	259.6	345.1	524.1	990.2	1099.9	7553.9	11882.5	15257.9
65°	109.7	140.3	161.3	238.7	312.9	561.2	667.7	790.2	6126.7	10766.5	14001.6
67.5°	101.6	129.0	170.9	195.1	283.8	501.6	482.2	561.2	4809.1	9542.4	12848.5
70°	95.2	122.6	180.6	159.7	248.4	391.9	341.9	425.8	3681.8	7962.0	11224.5
72.5°	90.3	114.5	151.6	125.8	201.6	303.2	238.7	309.6	2406.2	6215.4	9150.5
75°	85.5	104.8	111.3	101.6	150.0	198.4	180.6	208.0	1433.7	4543.0	6942.7
77.5°	83.9	98.4	90.3	82.2	101.6	117.7	137.1	140.3	699.9	2272.3	3638.3
80°	74.2	88.7	77.4	67.7	69.3	77.4	101.6	93.5	159.7	577.4	970.9
82.5°	58.1	69.3	64.5	56.4	56.4	56.4	67.7	62.9	51.6	259.6	438.7
85°	40.3	48.4	48.4	45.2	43.5	43.5	41.9	40.3	14.5	16.1	24.2
87.5°	27.4	33.9	35.5	33.9	29.0	25.8	22.6	19.4	6.5	0.0	3.2
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: P635841

CATALOG NUMBER: GWS-SA3E-750-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	706.4	706.4	706.4	706.4	706.4	706.4	706.4	706.4	706.4	706.4
2.5°	748.3	753.1	753.1	746.7	741.8	728.9	716.0	703.1	699.9	698.3
5°	748.3	767.7	777.3	775.7	764.4	743.5	716.0	687.0	679.0	675.7
7.5°	737.0	774.1	803.1	808.0	787.0	749.9	699.9	656.4	645.1	640.2
10°	762.8	835.4	893.4	901.5	877.3	804.7	724.1	649.9	632.2	620.9
12.5°	901.5	1020.8	1091.8	1125.7	1078.9	987.0	853.1	720.9	680.6	662.8
15°	1182.1	1351.5	1486.9	1486.9	1443.4	1280.5	1111.2	896.7	841.8	793.5
17.5°	1541.8	1754.6	1874.0	1861.1	1794.9	1680.4	1477.2	1169.2	1057.9	1007.9
20°	1951.4	2078.8	2106.2	2098.1	2069.1	2003.0	1862.7	1532.1	1382.1	1304.7
22.5°	2306.2	2272.3	2232.0	2199.7	2191.7	2211.0	2191.7	1936.9	1819.1	1682.1
25°	2546.5	2354.6	2233.6	2175.5	2203.0	2314.2	2435.2	2340.0	2246.5	2104.6
27.5°	2677.1	2344.9	2170.7	2111.0	2157.8	2315.9	2578.7	2740.0	2643.2	2575.5
30°	2748.1	2336.8	2130.4	2072.3	2143.3	2341.7	2678.7	3114.1	3117.4	3009.3
32.5°	2849.7	2388.4	2138.5	2085.2	2180.4	2419.1	2804.5	3494.7	3588.3	3530.2
35°	2964.2	2467.5	2175.5	2127.2	2244.9	2522.3	2944.8	3878.6	4073.7	4054.4
37.5°	3072.2	2556.2	2262.6	2215.9	2343.3	2611.0	3080.3	4255.9	4526.9	4594.6
40°	3185.1	2680.3	2530.3	2575.5	2646.5	2751.3	3201.2	4583.3	5025.2	5126.8
42.5°	3451.2	3110.9	3339.9	3425.4	3435.1	3219.0	3465.7	5002.6	5515.5	5636.4
45°	4044.7	3877.0	4533.3	4654.3	4591.4	3936.6	4102.7	5607.4	6200.9	6262.2
47.5°	4794.6	4872.0	6167.0	6584.7	6207.3	4783.3	4875.2	6879.8	7455.6	7433.0
50°	5668.7	6034.8	8021.6	9007.0	8103.9	5883.2	5765.4	8444.2	9142.5	9073.1
52.5°	6702.4	7386.2	10250.4	11650.2	10795.5	7120.1	7071.7	10516.5	10942.3	10721.3
55°	8003.9	8690.9	12814.6	14770.8	13554.9	8629.6	8795.7	12919.4	13001.7	12300.2
57.5°	9945.6	10392.3	15836.8	18349.4	16435.2	10681.0	11885.7	16117.5	15133.7	13804.8
60°	13471.0	12580.8	18757.5	22010.3	19499.3	13566.1	15961.0	18012.4	15843.3	14011.3
62.5°	14698.3	14438.6	20586.3	23558.5	21560.4	15935.2	17020.6	16938.3	14924.0	13230.7
65°	12838.8	13975.8	20258.9	22740.9	21295.9	15544.9	15274.0	15753.0	13888.7	12045.4
67.5°	11859.9	12888.8	19018.7	20484.7	19829.9	14220.9	13614.5	13483.9	11659.9	10192.3
70°	10872.9	11892.1	17220.6	17402.8	17098.0	12063.1	11266.4	10390.7	8715.1	7439.4
72.5°	9686.0	10247.2	14725.7	13861.3	13516.1	9474.7	9307.0	7824.9	6533.1	5438.1
75°	8447.4	8284.5	11480.9	9513.4	9771.4	7371.7	7860.4	5746.1	4786.5	3914.1
77.5°	6144.4	6023.5	7689.4	5778.4	6399.2	4828.5	4338.2	2293.3	2183.6	1883.6
80°	3428.6	4133.4	4152.7	3238.3	4039.8	3148.0	1085.4	75.8	48.4	71.0
82.5°	1593.4	1777.2	2251.3	1501.4	2304.6	1559.5	224.2	0.0	0.0	0.0
85°	516.1	754.7	632.2	220.9	558.0	527.4	37.1	0.0	0.0	0.0
87.5°	30.6	62.9	16.1	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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