

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: P635346

Luminaire Tested: GWS-SA3D-750-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635346
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-SA3D-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: 10899.3 lumens
Efficiency: N/A
Efficacy: 90.2 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

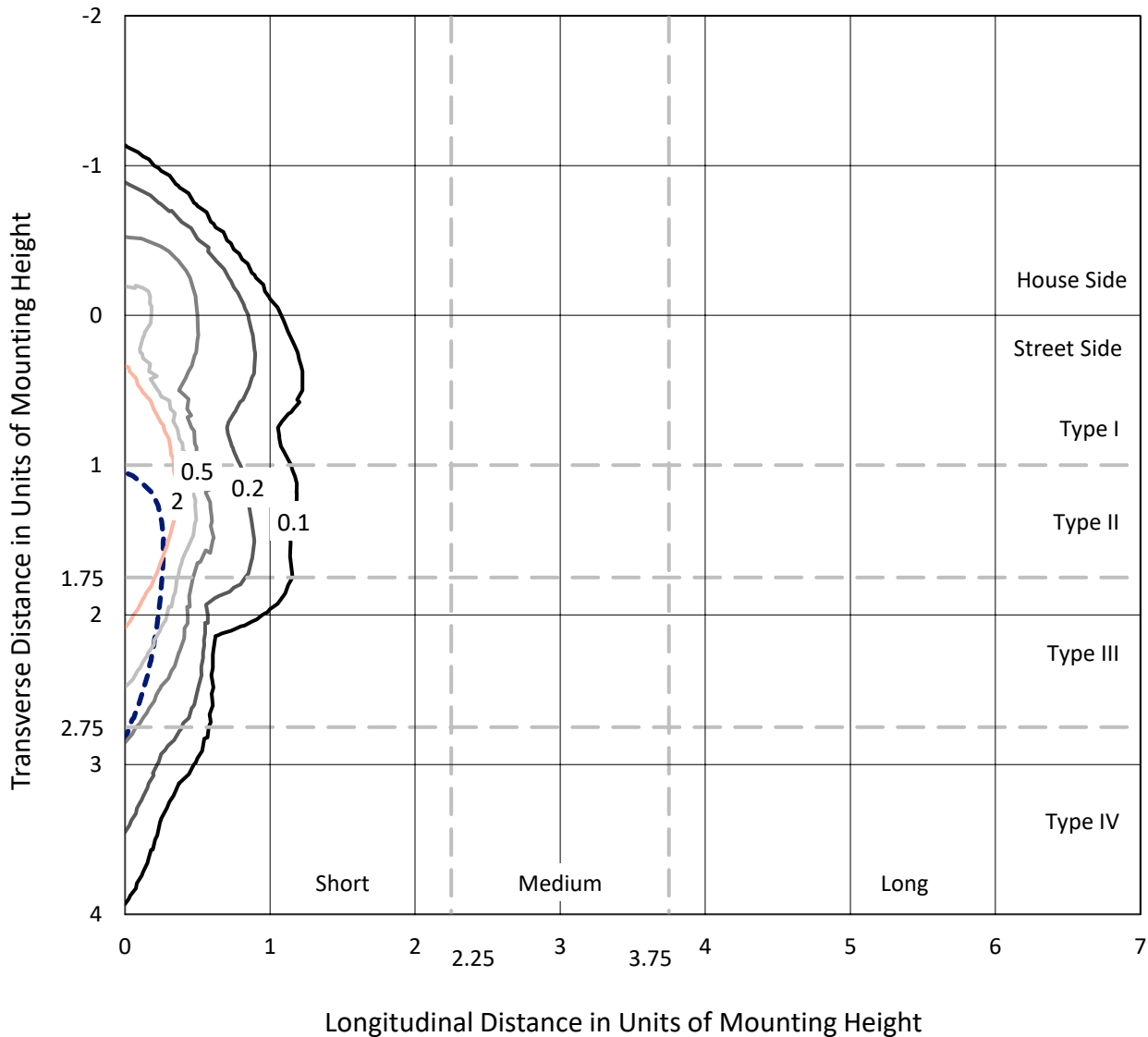
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635346
 CATALOG NUMBER: GWS-SA3D-750-U-SLL-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

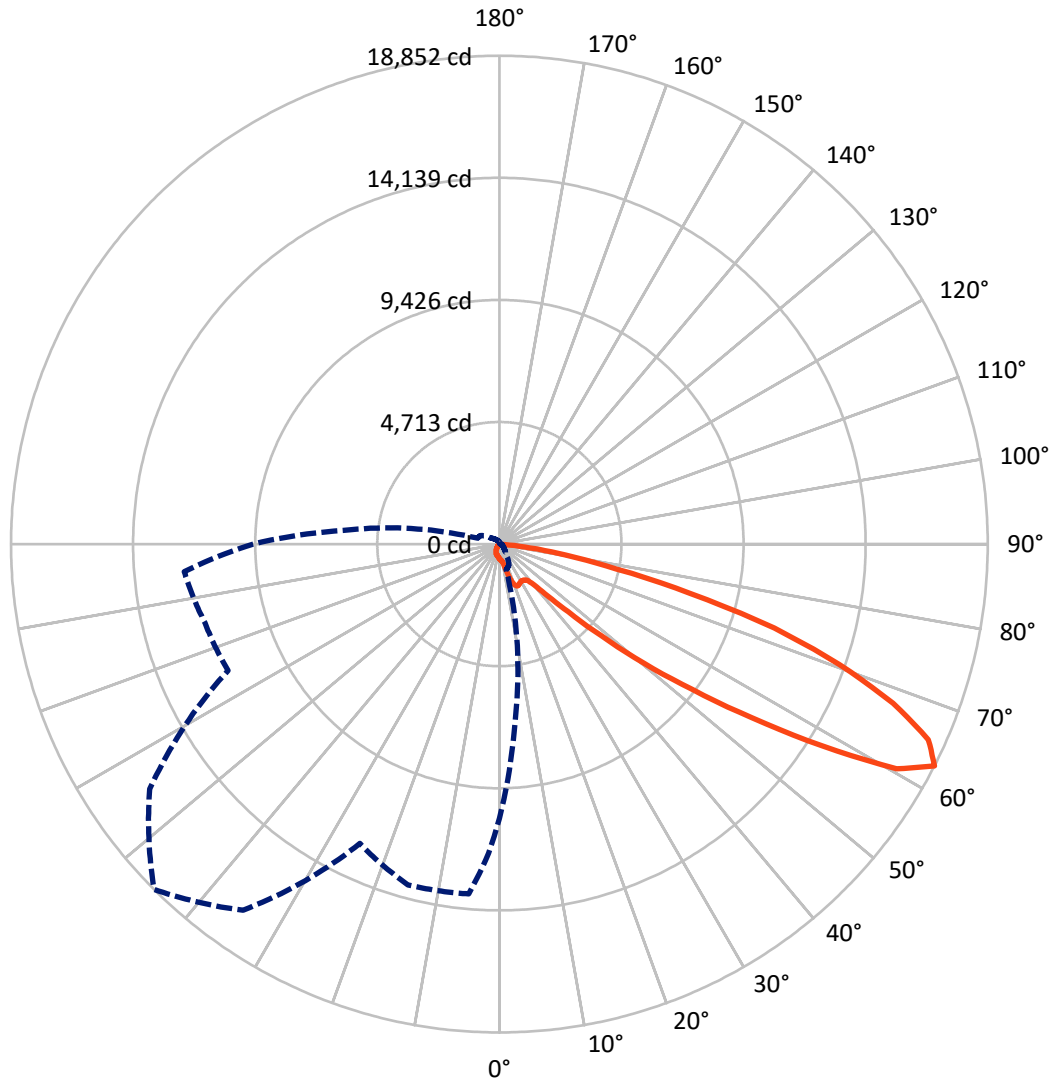
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.9 fc
 Type III - Short - N/A

REPORT NUMBER: P635346
CATALOG NUMBER: GWS-SA3D-750-U-SLL-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P635346

CATALOG NUMBER: GWS-SA3D-750-U-SLL-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1266.4	0.0	1266.4
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	9632.9	0.0	9632.9
	% Fixture	88.4	0.0	88.4
Total	Lumens	10899.3	0.0	10899.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.8	0.4
10°-20°	167.3	1.5
20°-30°	378.0	3.5
30°-40°	651.1	6.0
40°-50°	1228.3	11.3
50°-60°	2742.4	25.2
60°-70°	3667.9	33.7
70°-80°	1839.3	16.9
80°-90°	176.3	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°	10899.3	100.0
0°-180°	10899.3	100.0

Coefficient of Utilization



REPORT NUMBER: P635346

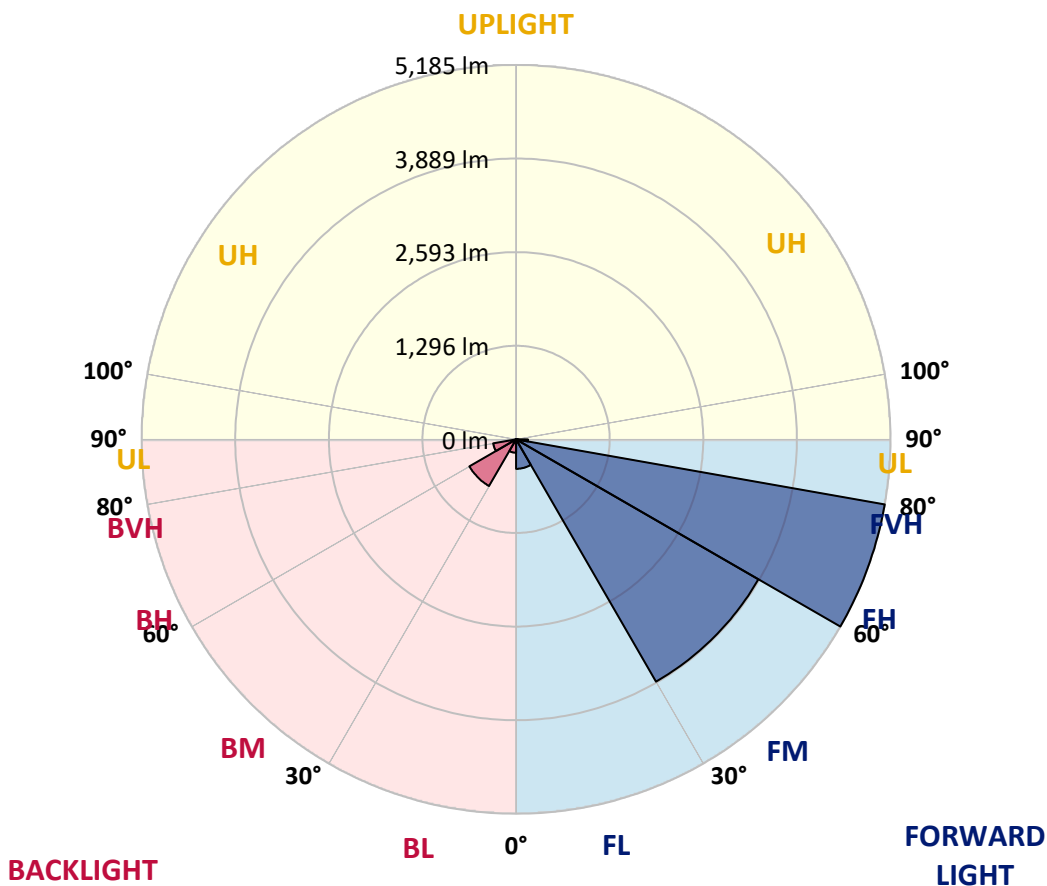
CATALOG NUMBER: GWS-SA3D-750-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	408.2	3.7			
FM (30°-60°)	3875.0	35.6			
FH (60°-80°)	5185.2	47.6			G3/7500
FVH (80°-90°)	164.6	1.5			G2/225
BL (0°-30°)	185.9	1.7	B1/500		
BM (30°-60°)	746.7	6.9	B1/1000		
BH (60°-80°)	322.0	3.0	B1/500		G1/500
BVH (80°-90°)	11.7	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





REPORT NUMBER: P635346

CATALOG NUMBER: GWS-SA3D-750-U-SLL-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3
2.5°	558.8	557.5	554.9	547.2	540.7	536.9	529.1	529.1	527.8	525.2	520.1
5°	540.7	535.6	530.4	516.2	500.7	491.7	481.4	480.1	480.1	477.5	476.2
7.5°	512.3	507.2	500.7	477.5	463.3	454.3	445.2	443.9	440.1	440.1	440.1
10°	496.9	489.1	478.8	453.0	438.8	431.0	424.6	420.7	418.1	414.3	413.0
12.5°	530.4	516.2	494.3	447.8	428.5	418.1	410.4	407.8	400.1	394.9	391.0
15°	634.9	600.1	556.2	459.4	424.6	409.1	398.8	393.6	387.2	378.1	371.7
17.5°	806.6	756.3	682.7	496.9	420.7	401.4	388.5	379.4	370.4	360.1	352.3
20°	1044.0	969.2	881.4	565.3	420.7	392.3	376.8	365.2	352.3	340.7	331.7
22.5°	1346.0	1271.2	1121.5	681.4	425.9	380.7	362.6	347.2	331.7	321.3	311.0
25°	1684.1	1578.3	1438.9	822.1	440.1	365.2	345.9	330.4	316.2	303.3	291.7
27.5°	2061.0	1946.1	1760.3	1022.1	471.0	349.7	327.8	313.6	300.7	287.8	272.3
30°	2408.1	2339.7	2150.0	1262.1	521.4	339.4	313.6	300.7	287.8	271.0	256.8
32.5°	2825.0	2703.7	2547.5	1535.7	588.5	329.1	302.0	283.9	273.6	258.1	242.6
35°	3244.4	3141.2	2936.0	1872.6	663.3	318.8	287.8	271.0	262.0	243.9	227.1
37.5°	3676.7	3653.5	3450.9	2245.5	736.9	307.1	271.0	260.7	251.7	231.0	211.6
40°	4102.6	4060.0	3872.9	2671.4	782.1	294.2	256.8	250.4	240.0	216.8	194.9
42.5°	4510.4	4478.1	4296.2	3079.2	775.6	282.6	242.6	234.9	227.1	203.9	176.8
45°	5011.1	4958.2	4728.5	3381.2	709.8	295.5	228.4	215.5	214.2	192.3	158.7
47.5°	5948.1	5773.8	5384.1	3613.5	644.0	329.1	212.9	197.5	206.5	180.7	140.7
50°	7260.5	7055.3	6491.4	3794.2	642.7	373.0	210.4	180.7	200.0	171.6	125.2
52.5°	8579.5	8218.1	7532.8	3891.0	690.4	405.2	233.6	163.9	192.3	162.6	113.6
55°	9842.9	9093.1	7969.0	3570.9	727.9	440.1	276.2	154.9	178.1	152.3	107.1
57.5°	11047.0	9796.4	8158.7	2825.0	853.0	454.3	302.0	158.7	157.4	139.4	102.0
60°	11212.1	9762.9	7775.5	1642.8	940.8	429.7	291.7	176.8	138.1	123.9	92.9
62.5°	10587.5	9113.7	6901.8	1024.7	873.7	420.7	259.4	201.3	125.2	109.7	81.3
65°	9639.0	8095.5	5754.5	660.8	662.0	467.2	227.1	197.5	117.4	96.8	69.7
67.5°	8156.2	6775.3	4533.6	442.7	374.3	398.8	198.7	135.5	114.9	82.6	54.2
70°	5953.2	4822.7	2951.4	295.5	223.3	318.8	166.5	96.8	108.4	68.4	38.7
72.5°	4351.7	3240.5	1648.0	193.6	126.5	185.8	122.6	69.7	83.9	50.3	27.1
75°	3132.1	2230.0	940.8	123.9	83.9	102.0	80.0	47.7	54.2	40.0	24.5
77.5°	1507.3	1086.6	427.2	68.4	56.8	51.6	42.6	29.7	33.6	36.1	21.9
80°	56.8	42.6	32.3	33.6	36.1	23.2	19.4	15.5	19.4	24.5	11.6
82.5°	0.0	0.0	0.0	3.9	5.2	6.5	7.7	6.5	7.7	9.0	1.3
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: P635346

CATALOG NUMBER: GWS-SA3D-750-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3
2.5°	524.0	521.4	524.0	526.5	529.1	531.7	527.8	530.4	533.0	526.5	529.1
5°	482.7	481.4	489.1	493.0	498.1	500.7	498.1	498.1	496.9	489.1	489.1
7.5°	446.5	447.8	454.3	463.3	469.8	473.6	471.0	469.8	465.9	454.3	454.3
10°	419.4	419.4	429.7	437.5	446.5	450.4	447.8	443.9	440.1	428.5	427.2
12.5°	397.5	397.5	405.2	418.1	428.5	433.6	432.3	427.2	420.7	409.1	407.8
15°	376.8	375.5	387.2	398.8	413.0	419.4	416.8	413.0	401.4	391.0	388.5
17.5°	356.2	354.9	365.2	380.7	396.2	405.2	403.9	394.9	384.6	371.7	369.1
20°	335.5	333.0	345.9	361.3	376.8	385.9	383.3	375.5	362.6	349.7	347.2
22.5°	314.9	313.6	322.6	335.5	349.7	357.5	356.2	349.7	336.8	325.2	325.2
25°	291.7	291.7	298.1	307.1	317.5	321.3	322.6	320.1	312.3	305.9	305.9
27.5°	272.3	268.4	271.0	273.6	278.8	285.2	285.2	287.8	289.1	286.5	287.8
30°	256.8	250.4	246.5	241.3	238.7	241.3	243.9	252.9	262.0	267.1	269.7
32.5°	238.7	231.0	220.7	206.5	197.5	194.9	202.6	219.4	236.2	247.8	254.2
35°	220.7	210.4	191.0	170.4	158.7	154.9	163.9	183.3	207.8	228.4	237.5
37.5°	202.6	188.4	161.3	136.8	123.9	121.3	130.3	151.0	179.4	207.8	219.4
40°	182.0	165.2	132.9	107.1	96.8	94.2	102.0	122.6	152.3	184.5	202.6
42.5°	161.3	140.7	107.1	85.2	74.9	74.9	85.2	100.7	127.8	162.6	184.5
45°	140.7	118.7	87.8	68.4	61.9	63.2	69.7	85.2	107.1	143.2	163.9
47.5°	121.3	102.0	72.3	56.8	51.6	52.9	60.7	73.6	91.6	123.9	145.8
50°	104.5	86.5	63.2	47.7	43.9	46.5	54.2	65.8	81.3	109.7	127.8
52.5°	94.2	77.4	58.1	41.3	38.7	41.3	49.0	59.4	73.6	96.8	114.9
55°	89.0	76.1	58.1	37.4	33.6	36.1	43.9	54.2	65.8	87.8	103.2
57.5°	87.8	78.7	61.9	33.6	28.4	31.0	38.7	49.0	60.7	80.0	92.9
60°	82.6	74.9	60.7	27.1	21.9	25.8	32.3	42.6	55.5	74.9	86.5
62.5°	72.3	65.8	52.9	21.9	16.8	19.4	27.1	37.4	50.3	68.4	81.3
65°	59.4	52.9	41.3	14.2	10.3	12.9	20.6	32.3	43.9	61.9	73.6
67.5°	43.9	37.4	28.4	9.0	5.2	9.0	16.8	27.1	40.0	55.5	67.1
70°	27.1	21.9	15.5	5.2	3.9	7.7	15.5	25.8	36.1	51.6	63.2
72.5°	15.5	10.3	6.5	2.6	3.9	7.7	15.5	25.8	34.8	49.0	59.4
75°	11.6	6.5	2.6	1.3	2.6	6.5	14.2	23.2	33.6	46.5	56.8
77.5°	7.7	3.9	1.3	0.0	1.3	5.2	12.9	21.9	31.0	43.9	54.2
80°	1.3	0.0	0.0	0.0	0.0	3.9	11.6	19.4	28.4	38.7	47.7
82.5°	0.0	0.0	0.0	0.0	0.0	1.3	9.0	16.8	24.5	32.3	38.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	5.2	12.9	19.4	24.5	27.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	12.9	15.5	18.1
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: P635346
 CATALOG NUMBER: GWS-SA3D-750-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3
2.5°	527.8	535.6	535.6	540.7	547.2	558.8	565.3	574.3	580.7	587.2	589.8
5°	487.8	489.1	490.4	493.0	500.7	513.6	525.2	539.4	556.2	569.1	576.9
7.5°	454.3	454.3	454.3	458.1	465.9	474.9	486.5	505.9	525.2	540.7	553.6
10°	425.9	429.7	431.0	437.5	446.5	458.1	471.0	487.8	509.8	530.4	553.6
12.5°	407.8	411.7	418.1	424.6	433.6	446.5	460.7	482.7	527.8	570.4	619.5
15°	391.0	396.2	403.9	413.0	423.3	437.5	453.0	498.1	604.0	684.0	761.4
17.5°	373.0	380.7	391.0	400.1	413.0	428.5	447.8	535.6	743.3	876.3	1007.9
20°	349.7	360.1	371.7	385.9	401.4	419.4	447.8	613.0	944.7	1135.7	1309.9
22.5°	327.8	338.1	352.3	370.4	388.5	406.5	454.3	730.4	1204.1	1445.4	1666.1
25°	309.7	322.6	336.8	352.3	373.0	393.6	469.8	895.6	1516.4	1827.4	1983.5
27.5°	293.0	308.4	322.6	335.5	353.6	376.8	504.6	1116.3	1885.5	2201.6	2324.2
30°	276.2	294.2	308.4	321.3	339.4	363.9	557.5	1397.6	2295.9	2603.0	2615.9
32.5°	262.0	278.8	295.5	308.4	325.2	353.6	631.1	1726.7	2716.6	3013.4	2892.1
35°	246.5	265.8	281.3	295.5	313.6	344.6	716.2	2081.6	3141.2	3390.2	3167.0
37.5°	231.0	252.9	272.3	282.6	300.7	335.5	778.2	2452.0	3574.8	3758.0	3408.3
40°	216.8	241.3	263.3	273.6	282.6	323.9	787.2	2831.4	4014.8	4120.7	3635.4
42.5°	201.3	228.4	247.8	262.0	269.7	316.2	733.0	3151.5	4383.9	4482.0	3932.3
45°	184.5	216.8	232.3	242.6	258.1	321.3	663.3	3399.3	4805.9	4975.0	4421.4
47.5°	167.8	203.9	216.8	224.6	245.2	352.3	637.5	3564.5	5501.5	5852.6	5246.0
50°	152.3	192.3	206.5	205.2	242.6	392.3	665.9	3689.6	6546.9	6959.8	6376.5
52.5°	135.5	179.4	196.2	191.0	262.0	423.3	722.7	3789.0	7350.9	8258.1	7895.5
55°	121.3	165.2	180.7	179.4	298.1	446.5	766.6	3265.0	7683.8	9464.8	9606.7
57.5°	111.0	149.7	162.6	184.5	321.3	446.5	886.6	2317.8	7690.3	10352.7	11878.1
60°	102.0	135.5	144.5	202.6	312.3	423.3	877.6	1419.6	7087.6	10292.0	13086.0
62.5°	94.2	122.6	134.2	207.8	276.2	419.4	792.4	880.1	6044.9	9508.6	12209.7
65°	87.8	112.3	129.1	191.0	250.4	449.1	534.3	632.4	4902.7	8615.6	11204.4
67.5°	81.3	103.2	136.8	156.2	227.1	401.4	385.9	449.1	3848.4	7636.1	10281.7
70°	76.1	98.1	144.5	127.8	198.7	313.6	273.6	340.7	2946.3	6371.4	8982.1
72.5°	72.3	91.6	121.3	100.7	161.3	242.6	191.0	247.8	1925.5	4973.7	7322.5
75°	68.4	83.9	89.0	81.3	120.0	158.7	144.5	166.5	1147.3	3635.4	5555.7
77.5°	67.1	78.7	72.3	65.8	81.3	94.2	109.7	112.3	560.1	1818.4	2911.4
80°	59.4	71.0	61.9	54.2	55.5	61.9	81.3	74.9	127.8	462.0	776.9
82.5°	46.5	55.5	51.6	45.2	45.2	45.2	54.2	50.3	41.3	207.8	351.0
85°	32.3	38.7	38.7	36.1	34.8	34.8	33.6	32.3	11.6	12.9	19.4
87.5°	21.9	27.1	28.4	27.1	23.2	20.6	18.1	15.5	5.2	0.0	2.6
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: P635346

CATALOG NUMBER: GWS-SA3D-750-U-SLL-W-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3	565.3
2.5°	598.8	602.7	602.7	597.5	593.6	583.3	573.0	562.7	560.1	558.8
5°	598.8	614.3	622.0	620.7	611.7	594.9	573.0	549.8	543.3	540.7
7.5°	589.8	619.5	642.7	646.6	629.8	600.1	560.1	525.2	516.2	512.3
10°	610.4	668.5	715.0	721.4	702.0	644.0	579.4	520.1	505.9	496.9
12.5°	721.4	816.9	873.7	900.8	863.4	789.8	682.7	576.9	544.6	530.4
15°	946.0	1081.5	1189.9	1189.9	1155.0	1024.7	889.2	717.5	673.7	634.9
17.5°	1233.7	1404.1	1499.6	1489.3	1436.4	1344.7	1182.1	935.6	846.6	806.6
20°	1561.5	1663.5	1685.4	1679.0	1655.8	1602.8	1490.6	1226.0	1106.0	1044.0
22.5°	1845.5	1818.4	1786.1	1760.3	1753.8	1769.3	1753.8	1549.9	1455.7	1346.0
25°	2037.8	1884.2	1787.4	1740.9	1762.9	1851.9	1948.7	1872.6	1797.7	1684.1
27.5°	2142.3	1876.4	1737.1	1689.3	1726.7	1853.2	2063.6	2192.6	2115.2	2061.0
30°	2199.1	1870.0	1704.8	1658.3	1715.1	1873.9	2143.6	2492.0	2494.6	2408.1
32.5°	2280.4	1911.3	1711.2	1668.7	1744.8	1935.8	2244.2	2796.6	2871.4	2825.0
35°	2372.0	1974.5	1740.9	1702.2	1796.4	2018.4	2356.5	3103.7	3259.9	3244.4
37.5°	2458.5	2045.5	1810.6	1773.2	1875.1	2089.4	2464.9	3405.7	3622.5	3676.7
40°	2548.8	2144.9	2024.8	2061.0	2117.8	2201.6	2561.7	3667.7	4021.3	4102.6
42.5°	2761.7	2489.4	2672.7	2741.1	2748.8	2575.9	2773.4	4003.2	4413.6	4510.4
45°	3236.7	3102.4	3627.7	3724.5	3674.1	3150.2	3283.1	4487.2	4962.1	5011.1
47.5°	3836.8	3898.7	4935.0	5269.2	4967.3	3827.7	3901.3	5505.4	5966.1	5948.1
50°	4536.2	4829.2	6419.1	7207.6	6484.9	4707.9	4613.7	6757.2	7316.0	7260.5
52.5°	5363.5	5910.6	8202.6	9322.8	8638.8	5697.7	5659.0	8415.6	8756.3	8579.5
55°	6404.9	6954.7	10254.6	11820.0	10846.9	6905.6	7038.6	10338.5	10404.3	9842.9
57.5°	7958.7	8316.2	12673.0	14683.7	13151.8	8547.2	9511.2	12897.6	12110.4	11047.0
60°	10779.8	10067.4	15010.2	17613.2	15603.8	10856.0	12772.4	14414.0	12678.2	11212.1
62.5°	11761.9	11554.1	16473.7	18852.1	17253.1	12751.8	13620.3	13554.5	11942.6	10587.5
65°	10273.9	11183.8	16211.7	18197.8	17041.5	12439.4	12222.6	12605.9	11114.1	9639.0
67.5°	9490.6	10313.9	15219.3	16392.3	15868.4	11379.9	10894.7	10790.1	9330.6	8156.2
70°	8700.8	9516.4	13780.3	13926.1	13682.2	9653.2	9015.7	8314.9	6974.0	5953.2
72.5°	7750.9	8200.0	11783.9	11092.1	10816.0	7581.9	7447.7	6261.7	5227.9	4351.7
75°	6759.8	6629.5	9187.3	7612.9	7819.3	5899.0	6290.1	4598.2	3830.3	3132.1
77.5°	4916.9	4820.1	6153.3	4624.0	5120.8	3863.9	3471.5	1835.1	1747.4	1507.3
80°	2743.7	3307.6	3323.1	2591.4	3232.8	2519.1	868.5	60.7	38.7	56.8
82.5°	1275.0	1422.2	1801.6	1201.5	1844.2	1247.9	179.4	0.0	0.0	0.0
85°	413.0	604.0	505.9	176.8	446.5	422.0	29.7	0.0	0.0	0.0
87.5°	24.5	50.3	12.9	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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