

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: P634851

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634851  
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-SA3C-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**

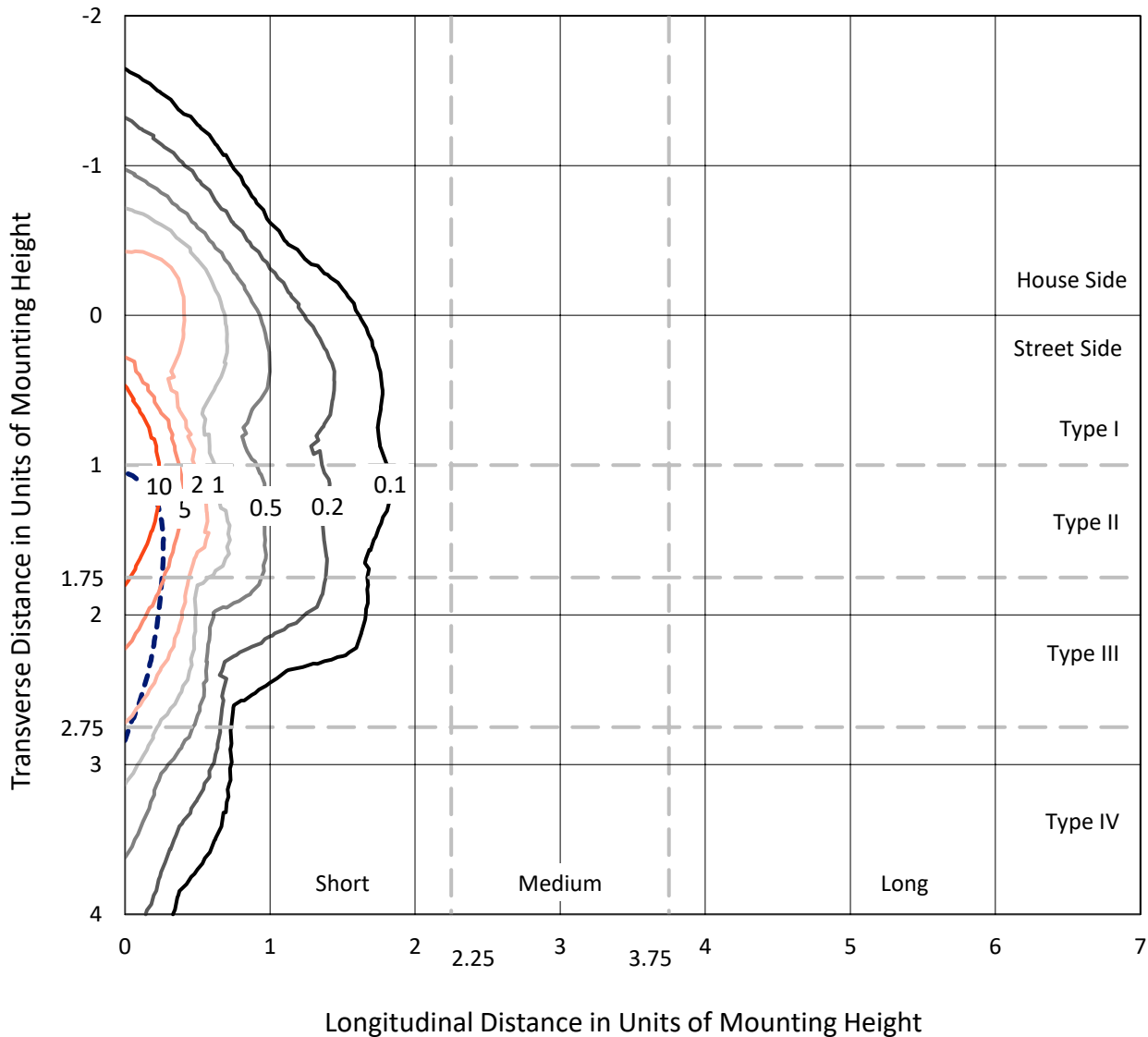
Lumens per Lamp: N/A  
Luminaire Lumens: 8639.5 lumens  
Efficiency: N/A  
Efficacy: 92.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

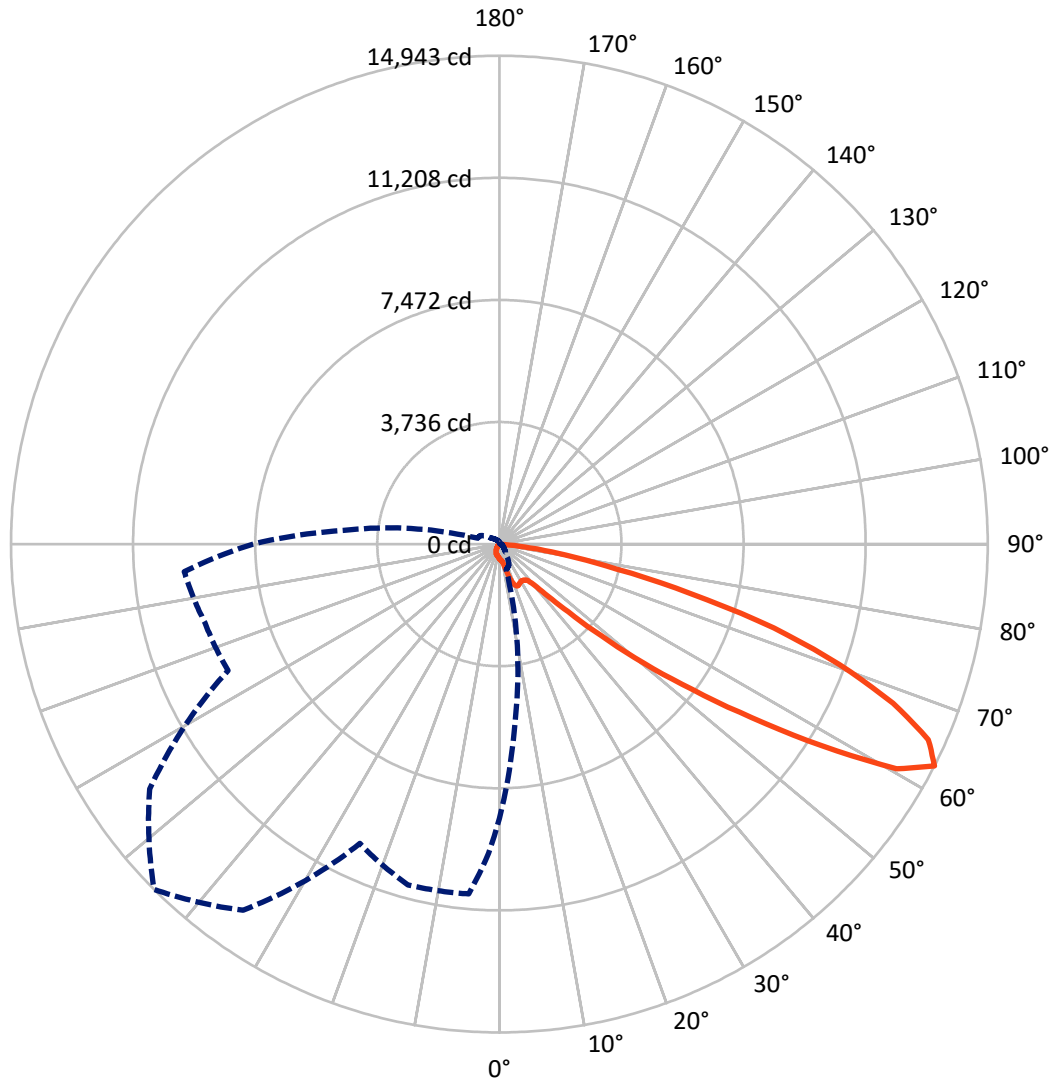
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.4 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
<b>House Side</b>	Lumens	1003.8	0.0	1003.8
	% Fixture	11.6	0.0	11.6
<b>Street Side</b>	Lumens	7635.7	0.0	7635.7
	% Fixture	88.4	0.0	88.4
<b>Total</b>	Lumens	8639.5	0.0	8639.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.7	0.4
10°-20°	132.6	1.5
20°-30°	299.6	3.5
30°-40°	516.1	6.0
40°-50°	973.6	11.3
50°-60°	2173.8	25.2
60°-70°	2907.4	33.7
70°-80°	1458.0	16.9
80°-90°	139.7	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°	8639.5	100.0
0°-180°	8639.5	100.0

**Coefficient of Utilization**



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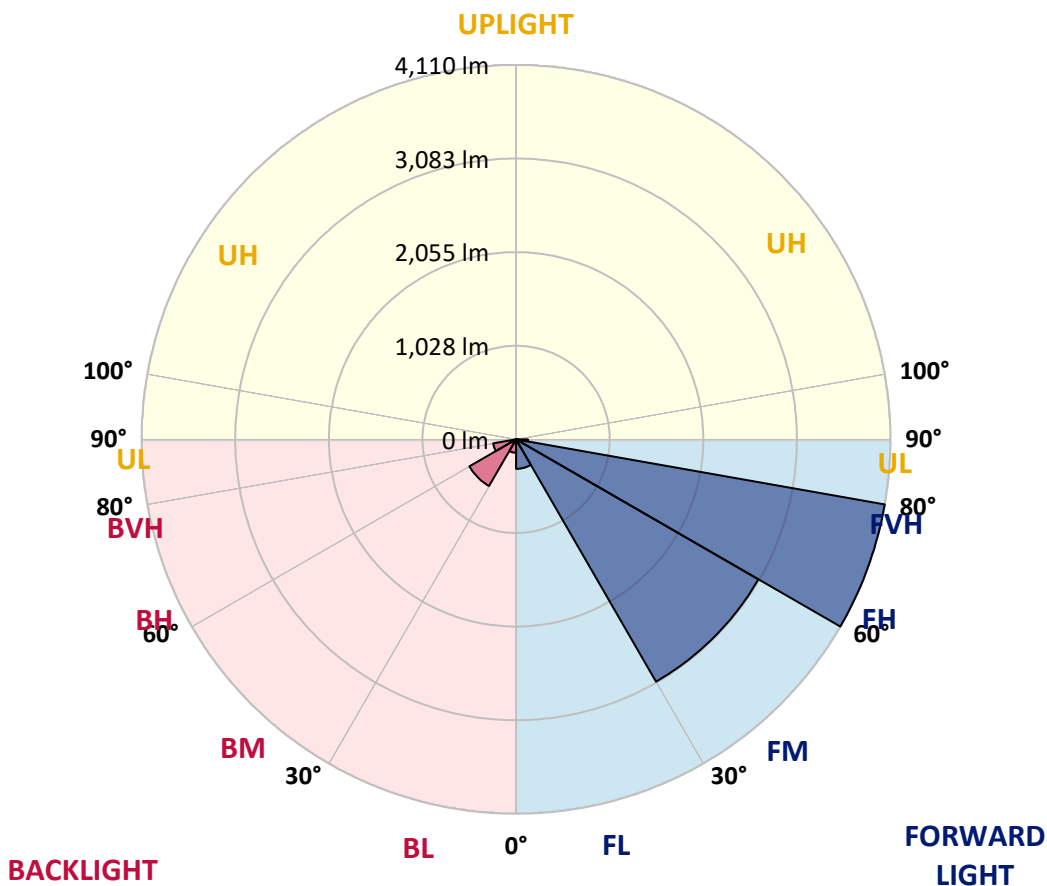
CATALOG NUMBER: GWS-SA3C-750-U-SLL-W-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	323.6	3.7			
FM (30°-60°)	3071.6	35.6			
FH (60°-80°)	4110.1	47.6			G2/5000
FVH (80°-90°)	130.4	1.5			G2/225
BL (0°-30°)	147.3	1.7	B1/500		
BM (30°-60°)	591.9	6.9	B1/1000		
BH (60°-80°)	255.3	3.0	B1/500		G1/500
BVH (80°-90°)	9.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	448.1	448.1	448.1	448.1	448.1	448.1	448.1	448.1	448.1	448.1	448.1
2.5°	442.9	441.9	439.9	433.7	428.6	425.6	419.4	419.4	418.4	416.3	412.3
5°	428.6	424.5	420.4	409.2	396.9	389.7	381.6	380.5	380.5	378.5	377.5
7.5°	406.1	402.0	396.9	378.5	367.2	360.1	352.9	351.9	348.8	348.8	348.8
10°	393.8	387.7	379.5	359.1	347.8	341.7	336.6	333.5	331.4	328.4	327.3
12.5°	420.4	409.2	391.8	355.0	339.6	331.4	325.3	323.3	317.1	313.0	310.0
15°	503.3	475.7	440.9	364.2	336.6	324.3	316.1	312.0	306.9	299.7	294.6
17.5°	639.4	599.5	541.1	393.8	333.5	318.1	307.9	300.8	293.6	285.4	279.3
20°	827.6	768.2	698.7	448.1	333.5	311.0	298.7	289.5	279.3	270.1	262.9
22.5°	1066.9	1007.6	889.0	540.1	337.6	301.8	287.5	275.2	262.9	254.7	246.5
25°	1335.0	1251.1	1140.6	651.6	348.8	289.5	274.2	261.9	250.6	240.4	231.2
27.5°	1633.7	1542.6	1395.3	810.2	373.4	277.2	259.8	248.6	238.3	228.1	215.8
30°	1908.8	1854.6	1704.3	1000.5	413.3	269.0	248.6	238.3	228.1	214.8	203.6
32.5°	2239.3	2143.1	2019.3	1217.3	466.5	260.9	239.4	225.1	216.9	204.6	192.3
35°	2571.7	2489.9	2327.2	1484.3	525.8	252.7	228.1	214.8	207.7	193.3	180.0
37.5°	2914.4	2896.0	2735.4	1780.0	584.1	243.5	214.8	206.6	199.5	183.1	167.8
40°	3252.0	3218.2	3069.9	2117.5	619.9	233.2	203.6	198.5	190.3	171.9	154.5
42.5°	3575.2	3549.7	3405.4	2440.8	614.8	224.0	192.3	186.2	180.0	161.6	140.1
45°	3972.2	3930.2	3748.1	2680.2	562.6	234.3	181.1	170.8	169.8	152.4	125.8
47.5°	4714.8	4576.7	4267.8	2864.3	510.5	260.9	168.8	156.5	163.7	143.2	111.5
50°	5755.2	5592.5	5145.5	3007.5	509.4	295.6	166.7	143.2	158.6	136.1	99.2
52.5°	6800.6	6514.2	5971.0	3084.2	547.3	321.2	185.2	129.9	152.4	128.9	90.0
55°	7802.1	7207.8	6316.8	2830.5	576.9	348.8	218.9	122.8	141.2	120.7	84.9
57.5°	8756.5	7765.3	6467.2	2239.3	676.2	360.1	239.4	125.8	124.8	110.5	80.8
60°	8887.5	7738.7	6163.3	1302.2	745.7	340.6	231.2	140.1	109.5	98.2	73.7
62.5°	8392.4	7224.2	5470.8	812.2	692.5	333.5	205.6	159.6	99.2	87.0	64.4
65°	7640.5	6417.0	4561.4	523.8	524.8	370.3	180.0	156.5	93.1	76.7	55.2
67.5°	6465.1	5370.5	3593.7	350.9	296.7	316.1	157.5	107.4	91.0	65.5	43.0
70°	4718.9	3822.8	2339.5	234.3	177.0	252.7	132.0	76.7	85.9	54.2	30.7
72.5°	3449.4	2568.7	1306.3	153.4	100.3	147.3	97.2	55.2	66.5	39.9	21.5
75°	2482.7	1767.7	745.7	98.2	66.5	80.8	63.4	37.8	43.0	31.7	19.4
77.5°	1194.8	861.3	338.6	54.2	45.0	40.9	33.8	23.5	26.6	28.6	17.4
80°	45.0	33.8	25.6	26.6	28.6	18.4	15.3	12.3	15.3	19.4	9.2
82.5°	0.0	0.0	0.0	3.1	4.1	5.1	6.1	5.1	6.1	7.2	1.0
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°	448.1	448.1	448.1	448.1	448.1	448.1	448.1	448.1	448.1	448.1	448.1
2.5°	415.3	413.3	415.3	417.4	419.4	421.5	418.4	420.4	422.5	417.4	419.4
5°	382.6	381.6	387.7	390.8	394.9	396.9	394.9	394.9	393.8	387.7	387.7
7.5°	353.9	355.0	360.1	367.2	372.4	375.4	373.4	372.4	369.3	360.1	360.1
10°	332.5	332.5	340.6	346.8	353.9	357.0	355.0	351.9	348.8	339.6	338.6
12.5°	315.1	315.1	321.2	331.4	339.6	343.7	342.7	338.6	333.5	324.3	323.3
15°	298.7	297.7	306.9	316.1	327.3	332.5	330.4	327.3	318.1	310.0	307.9
17.5°	282.3	281.3	289.5	301.8	314.0	321.2	320.2	313.0	304.8	294.6	292.6
20°	266.0	263.9	274.2	286.4	298.7	305.9	303.8	297.7	287.5	277.2	275.2
22.5°	249.6	248.6	255.7	266.0	277.2	283.4	282.3	277.2	267.0	257.8	257.8
25°	231.2	231.2	236.3	243.5	251.6	254.7	255.7	253.7	247.6	242.4	242.4
27.5°	215.8	212.8	214.8	216.9	221.0	226.1	226.1	228.1	229.1	227.1	228.1
30°	203.6	198.5	195.4	191.3	189.2	191.3	193.3	200.5	207.7	211.8	213.8
32.5°	189.2	183.1	174.9	163.7	156.5	154.5	160.6	173.9	187.2	196.4	201.5
35°	174.9	166.7	151.4	135.0	125.8	122.8	129.9	145.3	164.7	181.1	188.2
37.5°	160.6	149.4	127.9	108.4	98.2	96.2	103.3	119.7	142.2	164.7	173.9
40°	144.2	130.9	105.4	84.9	76.7	74.7	80.8	97.2	120.7	146.3	160.6
42.5°	127.9	111.5	84.9	67.5	59.3	59.3	67.5	79.8	101.3	128.9	146.3
45°	111.5	94.1	69.6	54.2	49.1	50.1	55.2	67.5	84.9	113.5	129.9
47.5°	96.2	80.8	57.3	45.0	40.9	41.9	48.1	58.3	72.6	98.2	115.6
50°	82.9	68.5	50.1	37.8	34.8	36.8	43.0	52.2	64.4	87.0	101.3
52.5°	74.7	61.4	46.0	32.7	30.7	32.7	38.9	47.1	58.3	76.7	91.0
55°	70.6	60.4	46.0	29.7	26.6	28.6	34.8	43.0	52.2	69.6	81.8
57.5°	69.6	62.4	49.1	26.6	22.5	24.6	30.7	38.9	48.1	63.4	73.7
60°	65.5	59.3	48.1	21.5	17.4	20.5	25.6	33.8	44.0	59.3	68.5
62.5°	57.3	52.2	41.9	17.4	13.3	15.3	21.5	29.7	39.9	54.2	64.4
65°	47.1	41.9	32.7	11.3	8.2	10.2	16.4	25.6	34.8	49.1	58.3
67.5°	34.8	29.7	22.5	7.2	4.1	7.2	13.3	21.5	31.7	44.0	53.2
70°	21.5	17.4	12.3	4.1	3.1	6.1	12.3	20.5	28.6	40.9	50.1
72.5°	12.3	8.2	5.1	2.0	3.1	6.1	12.3	20.5	27.6	38.9	47.1
75°	9.2	5.1	2.0	1.0	2.0	5.1	11.3	18.4	26.6	36.8	45.0
77.5°	6.1	3.1	1.0	0.0	1.0	4.1	10.2	17.4	24.6	34.8	43.0
80°	1.0	0.0	0.0	0.0	0.0	3.1	9.2	15.3	22.5	30.7	37.8
82.5°	0.0	0.0	0.0	0.0	0.0	1.0	7.2	13.3	19.4	25.6	30.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	4.1	10.2	15.3	19.4	21.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	10.2	12.3	14.3
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°	448.1	448.1	448.1	448.1	448.1	448.1	448.1	448.1	448.1	448.1	448.1
2.5°	418.4	424.5	424.5	428.6	433.7	442.9	448.1	455.2	460.3	465.4	467.5
5°	386.7	387.7	388.7	390.8	396.9	407.1	416.3	427.6	440.9	451.1	457.3
7.5°	360.1	360.1	360.1	363.2	369.3	376.4	385.7	401.0	416.3	428.6	438.9
10°	337.6	340.6	341.7	346.8	353.9	363.2	373.4	386.7	404.1	420.4	438.9
12.5°	323.3	326.3	331.4	336.6	343.7	353.9	365.2	382.6	418.4	452.1	491.0
15°	310.0	314.0	320.2	327.3	335.5	346.8	359.1	394.9	478.7	542.2	603.5
17.5°	295.6	301.8	310.0	317.1	327.3	339.6	355.0	424.5	589.2	694.6	798.9
20°	277.2	285.4	294.6	305.9	318.1	332.5	355.0	485.9	748.8	900.2	1038.3
22.5°	259.8	268.0	279.3	293.6	307.9	322.2	360.1	579.0	954.4	1145.7	1320.6
25°	245.5	255.7	267.0	279.3	295.6	312.0	372.4	709.9	1202.0	1448.5	1572.3
27.5°	232.2	244.5	255.7	266.0	280.3	298.7	400.0	884.9	1494.5	1745.2	1842.4
30°	218.9	233.2	244.5	254.7	269.0	288.5	441.9	1107.9	1819.8	2063.3	2073.5
32.5°	207.7	221.0	234.3	244.5	257.8	280.3	500.2	1368.7	2153.3	2388.6	2292.5
35°	195.4	210.7	223.0	234.3	248.6	273.1	567.7	1650.0	2489.9	2687.3	2510.3
37.5°	183.1	200.5	215.8	224.0	238.3	266.0	616.8	1943.6	2833.6	2978.9	2701.6
40°	171.9	191.3	208.7	216.9	224.0	256.8	624.0	2244.4	3182.4	3266.3	2881.7
42.5°	159.6	181.1	196.4	207.7	213.8	250.6	581.0	2498.1	3475.0	3552.7	3117.0
45°	146.3	171.9	184.1	192.3	204.6	254.7	525.8	2694.5	3809.5	3943.5	3504.7
47.5°	133.0	161.6	171.9	178.0	194.4	279.3	505.3	2825.4	4360.9	4639.1	4158.3
50°	120.7	152.4	163.7	162.7	192.3	311.0	527.8	2924.6	5189.5	5516.8	5054.4
52.5°	107.4	142.2	155.5	151.4	207.7	335.5	572.9	3003.4	5826.8	6545.9	6258.5
55°	96.2	130.9	143.2	142.2	236.3	353.9	607.6	2588.1	6090.7	7502.4	7614.9
57.5°	88.0	118.7	128.9	146.3	254.7	353.9	702.8	1837.2	6095.8	8206.2	9415.3
60°	80.8	107.4	114.6	160.6	247.6	335.5	695.6	1125.3	5618.1	8158.1	10372.8
62.5°	74.7	97.2	106.4	164.7	218.9	332.5	628.1	697.7	4791.5	7537.2	9678.2
65°	69.6	89.0	102.3	151.4	198.5	356.0	423.5	501.3	3886.2	6829.3	8881.3
67.5°	64.4	81.8	108.4	123.8	180.0	318.1	305.9	356.0	3050.5	6052.9	8149.9
70°	60.4	77.7	114.6	101.3	157.5	248.6	216.9	270.1	2335.4	5050.4	7119.8
72.5°	57.3	72.6	96.2	79.8	127.9	192.3	151.4	196.4	1526.3	3942.5	5804.3
75°	54.2	66.5	70.6	64.4	95.1	125.8	114.6	132.0	909.4	2881.7	4403.8
77.5°	53.2	62.4	57.3	52.2	64.4	74.7	87.0	89.0	444.0	1441.4	2307.8
80°	47.1	56.3	49.1	43.0	44.0	49.1	64.4	59.3	101.3	366.2	615.8
82.5°	36.8	44.0	40.9	35.8	35.8	35.8	43.0	39.9	32.7	164.7	278.2
85°	25.6	30.7	30.7	28.6	27.6	27.6	26.6	25.6	9.2	10.2	15.3
87.5°	17.4	21.5	22.5	21.5	18.4	16.4	14.3	12.3	4.1	0.0	2.0
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-SA3C-750-U-SLL-W-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	448.1	448.1	448.1	448.1	448.1	448.1	448.1	448.1	448.1	448.1
2.5°	474.7	477.7	477.7	473.6	470.6	462.4	454.2	446.0	444.0	442.9
5°	474.7	486.9	493.1	492.0	484.9	471.6	454.2	435.8	430.7	428.6
7.5°	467.5	491.0	509.4	512.5	499.2	475.7	444.0	416.3	409.2	406.1
10°	483.9	529.9	566.7	571.8	556.5	510.5	459.3	412.3	401.0	393.8
12.5°	571.8	647.5	692.5	714.0	684.4	626.1	541.1	457.3	431.7	420.4
15°	749.8	857.2	943.2	943.2	915.6	812.2	704.8	568.8	534.0	503.3
17.5°	978.0	1113.0	1188.7	1180.5	1138.6	1065.9	937.0	741.6	671.1	639.4
20°	1237.8	1318.6	1336.0	1330.9	1312.5	1270.5	1181.5	971.8	876.7	827.6
22.5°	1462.8	1441.4	1415.8	1395.3	1390.2	1402.5	1390.2	1228.6	1153.9	1066.9
25°	1615.3	1493.5	1416.8	1380.0	1397.4	1467.9	1544.7	1484.3	1425.0	1335.0
27.5°	1698.1	1487.4	1376.9	1339.1	1368.7	1469.0	1635.7	1738.0	1676.6	1633.7
30°	1743.1	1482.3	1351.3	1314.5	1359.5	1485.3	1699.1	1975.3	1977.4	1908.8
32.5°	1807.6	1515.0	1356.4	1322.7	1383.0	1534.4	1778.9	2216.8	2276.1	2239.3
35°	1880.2	1565.1	1380.0	1349.3	1424.0	1599.9	1867.9	2460.2	2584.0	2571.7
37.5°	1948.7	1621.4	1435.2	1405.5	1486.4	1656.2	1953.9	2699.6	2871.5	2914.4
40°	2020.3	1700.2	1605.0	1633.7	1678.7	1745.2	2030.6	2907.3	3187.5	3252.0
42.5°	2189.1	1973.3	2118.6	2172.8	2178.9	2041.8	2198.3	3173.2	3498.5	3575.2
45°	2565.6	2459.2	2875.5	2952.3	2912.4	2497.0	2602.4	3556.8	3933.3	3972.2
47.5°	3041.3	3090.4	3911.8	4176.7	3937.4	3034.1	3092.4	4364.0	4729.1	4714.8
50°	3595.7	3827.9	5088.2	5713.2	5140.4	3731.8	3657.1	5356.2	5799.2	5755.2
52.5°	4251.4	4685.2	6501.9	7389.9	6847.7	4516.4	4485.7	6670.7	6940.8	6800.6
55°	5077.0	5512.7	8128.4	9369.3	8598.0	5473.9	5579.2	8194.9	8247.1	7802.1
57.5°	6308.6	6592.0	10045.5	11639.2	10425.0	6775.1	7539.2	10223.5	9599.5	8756.5
60°	8544.8	7980.1	11898.1	13961.4	12368.6	8605.1	10124.2	11425.5	10049.6	8887.5
62.5°	9323.3	9158.6	13058.1	14943.4	13676.0	10107.9	10796.3	10744.2	9466.5	8392.4
65°	8143.8	8865.0	12850.4	14424.8	13508.2	9860.3	9688.5	9992.3	8809.7	7640.5
67.5°	7522.9	8175.5	12063.8	12993.6	12578.3	9020.5	8635.8	8553.0	7396.0	6465.1
70°	6896.8	7543.3	10923.2	11038.8	10845.4	7651.7	7146.4	6590.9	5528.1	4718.9
72.5°	6143.9	6499.9	9340.7	8792.3	8573.4	6009.9	5903.5	4963.4	4144.0	3449.4
75°	5358.3	5255.0	7282.5	6034.4	6198.1	4676.0	4985.9	3644.8	3036.1	2482.7
77.5°	3897.5	3820.8	4877.5	3665.3	4059.1	3062.7	2751.8	1454.7	1385.1	1194.8
80°	2174.8	2621.8	2634.1	2054.1	2562.5	1996.8	688.5	48.1	30.7	45.0
82.5°	1010.7	1127.3	1428.1	952.4	1461.8	989.2	142.2	0.0	0.0	0.0
85°	327.3	478.7	401.0	140.1	353.9	334.5	23.5	0.0	0.0	0.0
87.5°	19.4	39.9	10.2	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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