

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: P629899

Luminaire Tested: GWS-SA1C-750-U-SLL-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629899  
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-SA1C-750-U-SLL-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

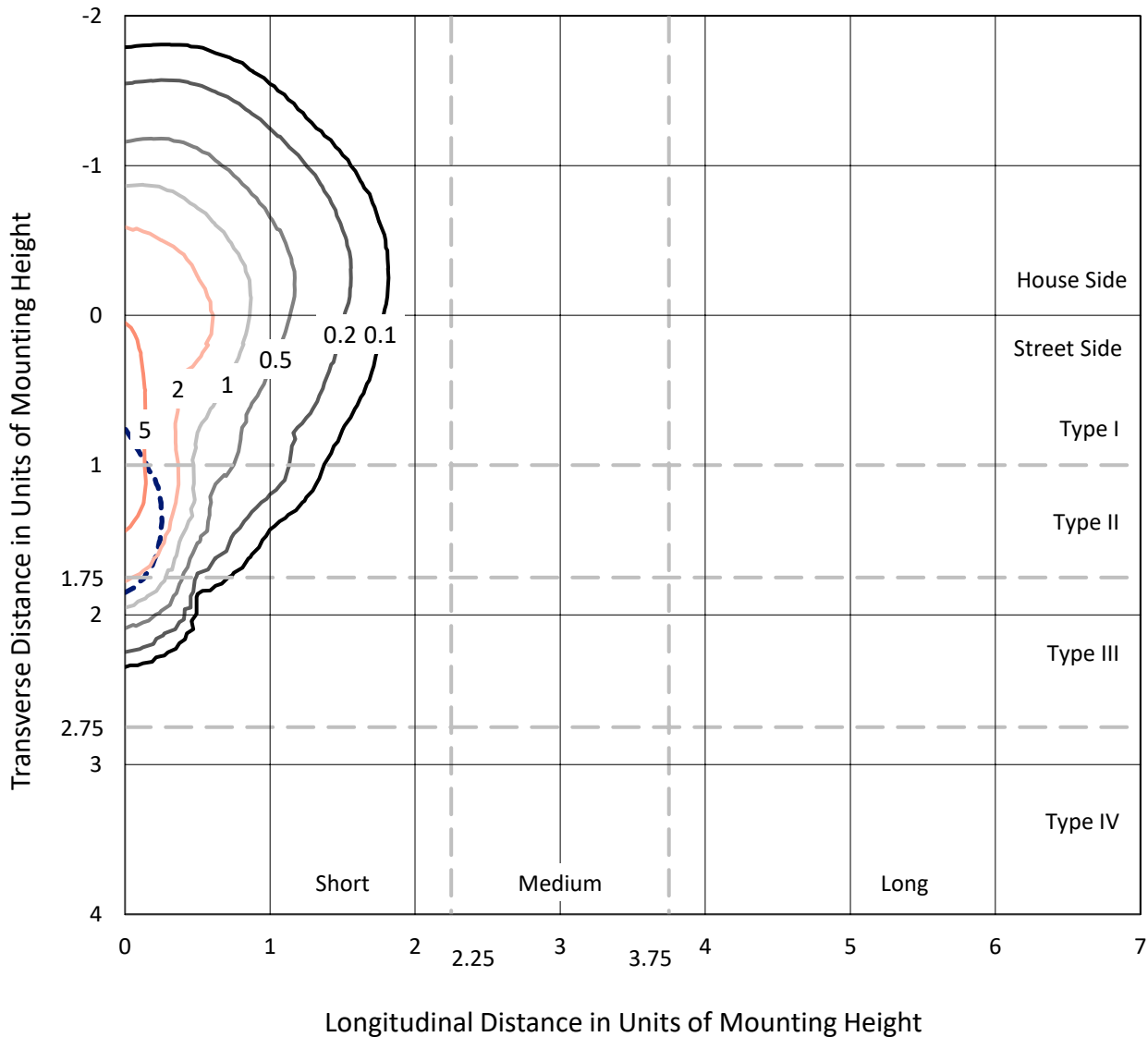
Lumens per Lamp: N/A  
Luminaire Lumens: 2636.4 lumens  
Efficiency: N/A  
Efficacy: 77.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

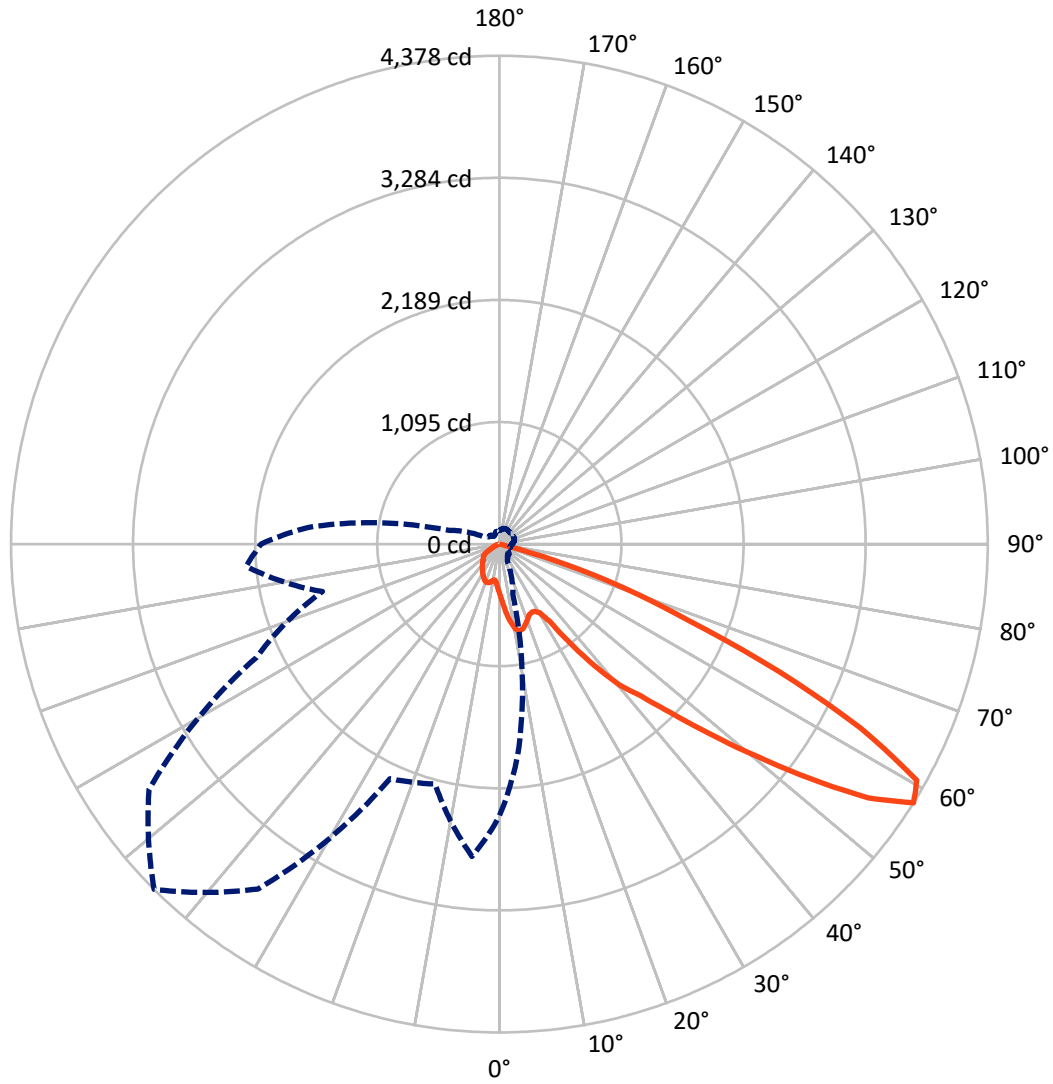
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7 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
<b>House Side</b>	Lumens	568.0	0.0	568.0
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	2068.4	0.0	2068.4
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	2636.4	0.0	2636.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.3	1.7
10°-20°	145.7	5.5
20°-30°	236.4	9.0
30°-40°	362.9	13.8
40°-50°	579.5	22.0
50°-60°	811.5	30.8
60°-70°	416.1	15.8
70°-80°	40.1	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°	2636.4	100.0
0°-180°	2636.4	100.0

**Coefficient of Utilization**



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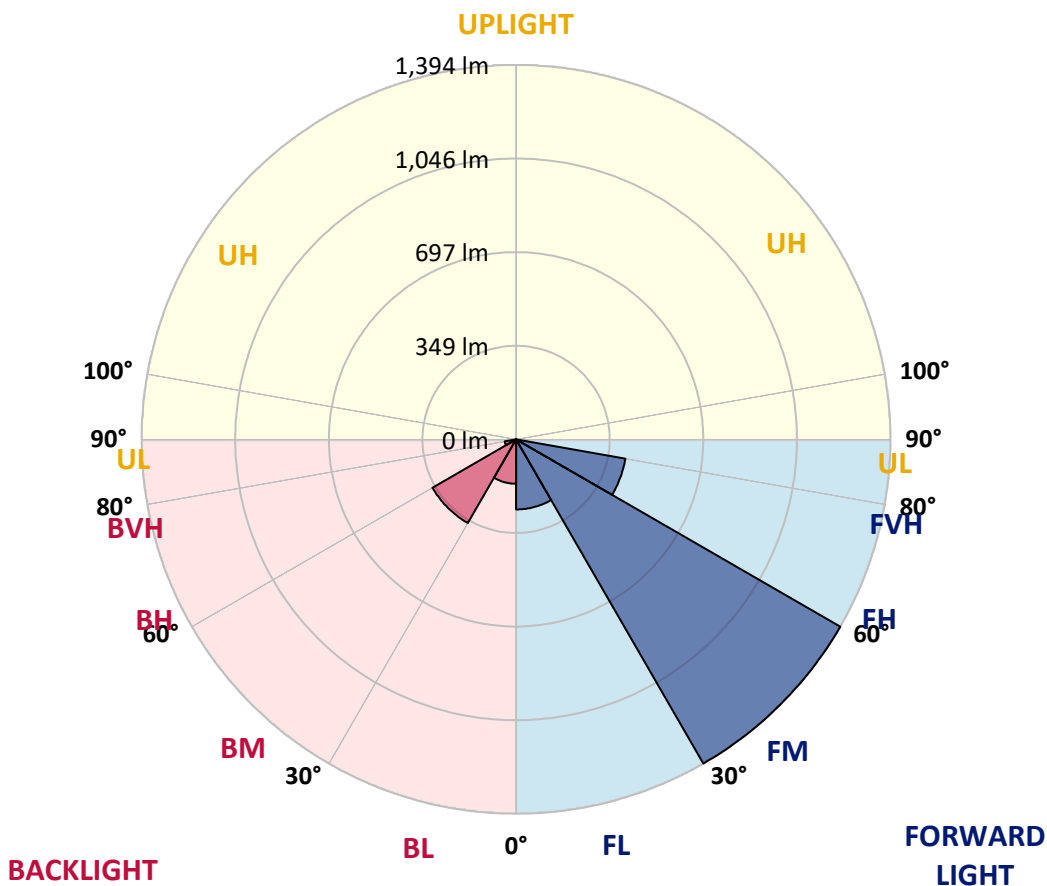
CATALOG NUMBER: GWS-SA1C-750-U-SLL-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	261.0	9.9			
FM (30°-60°)	1394.2	52.9			
FH (60°-80°)	413.2	15.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	165.4	6.3	B1/500		
BM (30°-60°)	359.7	13.6	B1/1000		
BH (60°-80°)	42.9	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-G0**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	448.0	448.0	448.0	448.0	448.0	448.0	448.0	448.0	448.0	448.0	448.0
2.5°	497.7	496.6	493.1	481.1	473.7	462.1	453.6	442.7	430.7	423.3	415.9
5°	550.5	547.7	538.2	510.7	489.6	466.6	448.3	428.2	406.7	392.6	379.6
7.5°	601.3	597.0	584.4	537.8	505.8	473.0	446.9	417.7	387.3	366.2	350.0
10°	651.0	641.5	621.4	564.3	520.9	481.4	450.8	417.3	381.7	354.9	336.9
12.5°	691.9	684.8	657.3	589.3	533.6	483.2	445.5	414.5	390.5	372.5	356.0
15°	727.1	719.3	693.3	611.9	544.5	476.2	423.3	396.2	400.0	407.1	393.0
17.5°	759.5	751.4	723.2	630.5	548.8	458.9	392.3	379.2	400.7	427.2	421.9
20°	793.0	783.8	749.3	645.7	547.4	431.8	360.9	364.8	395.1	425.4	428.2
22.5°	832.1	822.6	782.4	665.1	546.3	399.3	333.8	352.1	384.5	410.3	415.2
25°	883.9	872.7	828.6	693.6	549.1	369.7	314.4	339.8	366.5	389.8	392.6
27.5°	952.3	937.9	881.8	728.9	555.1	346.5	305.9	322.8	343.6	364.4	366.9
30°	1041.5	1023.2	942.8	759.5	552.3	330.2	300.3	305.9	318.3	335.2	335.5
32.5°	1145.8	1120.8	1011.2	786.0	528.0	318.3	292.5	288.7	291.5	304.5	307.0
35°	1268.5	1236.0	1086.6	811.0	483.6	295.0	278.4	265.4	264.3	270.7	276.7
37.5°	1409.1	1370.3	1181.8	843.1	431.0	270.7	257.6	244.6	239.0	242.1	251.3
40°	1538.8	1495.8	1281.2	881.8	377.5	248.8	233.3	219.9	213.2	214.3	225.6
42.5°	1691.1	1646.6	1402.7	932.6	333.1	234.0	207.9	194.2	185.4	190.3	203.4
45°	1922.3	1871.9	1580.0	976.6	297.8	230.5	185.7	166.4	162.1	170.6	186.1
47.5°	2238.1	2176.4	1823.6	1003.4	267.9	233.7	170.2	143.8	144.9	154.4	169.9
50°	2551.4	2484.8	2105.2	968.2	243.2	227.3	162.5	126.2	132.9	141.3	155.4
52.5°	2766.7	2680.0	2242.3	866.3	220.6	203.4	161.8	109.6	122.3	125.1	137.1
55°	2775.2	2668.4	2172.1	683.0	190.0	171.6	154.4	95.9	110.7	111.7	121.9
57.5°	2432.6	2336.0	1898.3	469.1	168.8	125.8	123.0	83.9	90.9	99.7	106.1
60°	1850.7	1768.6	1419.7	215.0	128.3	80.0	84.2	72.3	68.0	81.1	87.4
62.5°	1133.5	1081.0	851.5	95.2	81.8	42.6	51.1	57.4	51.1	56.0	61.3
65°	450.1	426.8	323.2	40.5	33.5	21.5	23.3	33.5	35.9	39.5	44.4
67.5°	78.2	74.0	54.3	18.0	13.7	13.0	11.3	15.5	21.9	24.3	28.2
70°	10.2	9.9	8.8	7.4	7.0	6.3	4.9	9.9	14.8	15.5	18.0
72.5°	2.5	2.1	2.1	1.8	2.1	0.7	0.7	5.3	10.6	10.9	12.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	6.7	7.4	8.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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°	448.0	448.0	448.0	448.0	448.0	448.0	448.0	448.0	448.0	448.0	448.0
2.5°	409.9	402.8	400.4	396.9	392.3	393.7	387.3	385.2	388.4	392.6	391.6
5°	372.5	364.8	359.5	351.4	350.0	346.8	344.7	341.9	345.4	350.3	351.4
7.5°	342.9	336.2	331.0	328.5	326.7	325.3	321.1	319.0	319.0	321.1	322.8
10°	330.2	325.3	324.3	325.0	327.8	327.4	323.5	320.7	317.2	315.4	317.6
12.5°	347.9	339.8	338.4	338.7	342.2	341.9	337.6	334.1	333.4	334.1	340.8
15°	377.8	365.5	356.3	354.6	356.3	355.6	352.4	350.3	351.4	361.6	372.9
17.5°	404.6	385.6	369.0	362.7	362.3	361.3	358.1	357.4	362.7	381.7	398.3
20°	412.4	393.7	370.1	362.0	360.2	359.1	355.6	356.7	363.4	386.3	400.4
22.5°	402.1	384.2	359.5	351.4	350.0	349.6	346.1	347.5	353.2	373.2	384.9
25°	382.8	367.6	341.9	334.8	334.8	334.1	331.0	331.7	335.2	352.8	364.1
27.5°	359.1	344.7	323.2	316.1	317.2	318.3	314.4	313.3	316.1	332.7	339.4
30°	332.0	321.8	304.9	298.5	298.2	302.4	297.1	295.7	299.6	312.6	314.0
32.5°	305.6	300.6	288.7	283.7	284.1	284.8	282.0	282.0	285.5	292.5	292.2
35°	279.8	276.7	274.6	271.0	270.7	269.3	269.3	270.0	273.9	276.3	271.7
37.5°	255.2	258.3	260.8	257.3	254.5	254.5	254.5	257.6	261.2	260.1	252.4
40°	233.3	240.0	247.8	243.9	237.2	236.8	238.3	243.5	248.8	242.5	235.4
42.5°	214.6	223.1	234.0	231.9	224.5	223.5	224.5	231.2	235.4	227.3	219.6
45°	196.3	206.9	219.9	219.9	211.8	210.8	211.1	219.9	222.4	212.9	203.0
47.5°	180.8	192.4	206.2	206.2	199.5	197.4	199.1	208.3	210.1	196.7	187.5
50°	166.0	178.7	193.8	192.8	188.2	186.4	189.6	199.5	197.4	182.6	173.1
52.5°	147.3	160.7	181.5	182.6	180.1	180.5	184.3	190.7	184.7	166.7	158.6
55°	130.4	144.2	164.9	170.6	170.6	170.2	172.0	176.9	172.0	150.5	140.6
57.5°	112.1	123.7	141.0	142.4	143.4	139.6	142.0	148.7	146.3	127.9	122.3
60°	92.0	101.9	111.7	112.8	108.2	100.1	104.7	112.4	114.2	100.4	94.1
62.5°	65.2	74.7	86.4	86.4	81.8	73.7	79.7	86.4	83.9	69.8	65.9
65°	48.6	57.4	66.3	70.1	66.3	60.6	65.2	70.1	66.3	54.6	49.0
67.5°	31.4	37.4	42.6	45.8	46.5	45.8	47.9	46.5	41.9	34.2	31.0
70°	19.0	22.2	25.0	27.8	30.0	31.0	32.1	28.9	24.3	20.1	19.0
72.5°	13.7	16.6	19.0	21.1	23.6	24.3	24.3	22.2	18.0	14.1	13.0
75°	9.5	12.0	14.1	15.5	17.6	18.3	18.3	16.6	13.4	10.2	9.2
77.5°	0.4	2.5	2.5	2.1	2.8	3.5	3.5	4.2	3.9	2.8	2.5
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°	448.0	448.0	448.0	448.0	448.0	448.0	448.0	448.0	448.0	448.0	448.0
2.5°	393.7	406.4	409.9	422.9	434.6	446.2	460.3	468.8	481.4	490.3	495.2
5°	354.9	365.5	378.2	397.6	417.7	439.9	466.6	489.9	519.2	540.7	547.7
7.5°	326.7	340.5	355.3	379.6	407.1	436.7	474.4	512.5	557.2	586.5	605.2
10°	321.4	335.5	355.3	379.2	408.1	442.0	488.1	537.5	593.5	629.1	650.3
12.5°	346.8	362.0	370.4	381.4	403.2	440.9	500.1	562.9	628.8	667.5	690.1
15°	384.2	397.6	383.8	370.1	384.2	429.6	506.8	584.0	659.8	704.5	727.8
17.5°	409.9	411.0	381.0	351.7	355.6	409.2	509.3	605.2	692.9	739.8	764.1
20°	407.4	399.0	368.7	336.2	324.3	382.8	506.5	623.8	726.4	775.4	799.4
22.5°	388.4	378.5	352.8	321.1	297.8	351.4	501.5	640.8	757.1	812.7	835.3
25°	365.5	354.9	333.8	305.9	280.9	321.1	497.7	664.0	795.8	861.4	879.0
27.5°	338.7	329.5	311.6	291.5	273.9	298.2	496.6	694.7	842.7	920.6	932.9
30°	312.6	304.2	290.1	278.4	271.0	284.8	493.1	727.5	898.7	988.6	1002.0
32.5°	287.6	279.1	270.3	268.6	268.9	279.8	481.1	759.9	965.4	1087.3	1097.2
35°	266.1	256.2	252.7	256.9	264.7	271.4	447.3	786.7	1036.9	1194.8	1202.9
37.5°	245.7	235.8	235.4	245.7	254.1	258.3	407.4	813.1	1133.5	1304.1	1314.3
40°	227.0	217.1	220.6	233.0	239.7	241.8	359.1	853.3	1235.7	1419.3	1413.7
42.5°	211.1	200.9	203.0	218.9	224.9	230.5	314.7	886.8	1334.0	1528.6	1526.8
45°	195.6	187.9	186.4	203.7	209.0	231.6	282.3	912.5	1460.6	1667.8	1670.6
47.5°	180.5	174.5	174.8	182.2	195.3	236.8	254.8	929.4	1644.2	1888.4	1839.4
50°	166.7	162.1	166.0	157.5	186.4	230.1	231.2	925.9	1849.3	2099.9	2001.6
52.5°	151.6	150.5	152.3	131.8	172.3	203.0	209.0	879.0	1945.5	2244.4	2188.4
55°	136.0	135.7	121.6	105.4	144.2	162.1	179.0	733.4	1942.3	2321.2	2389.3
57.5°	117.7	114.9	92.3	86.0	112.1	112.8	163.2	480.4	1721.4	2137.3	2278.2
60°	89.2	87.1	67.7	69.8	78.2	72.3	130.1	239.3	1286.4	1665.0	1823.9
62.5°	61.7	58.9	50.4	53.9	50.4	41.2	79.7	118.4	779.3	1051.4	1195.5
65°	45.1	41.9	34.5	29.6	23.6	23.6	30.3	45.5	301.7	446.9	538.9
67.5°	27.8	26.4	20.4	14.8	14.5	15.5	15.9	22.6	48.6	77.5	94.8
70°	18.0	16.6	13.7	9.5	8.8	9.2	9.5	10.6	12.3	13.4	16.2
72.5°	12.3	11.6	9.9	5.3	4.2	4.6	4.9	4.9	6.0	5.6	6.7
75°	8.8	8.1	7.0	2.5	1.4	1.8	2.1	1.8	2.1	1.4	1.8
77.5°	2.5	2.5	1.8	0.4	0.0	0.4	0.7	0.7	0.4	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	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-SA1C-750-U-SLL-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	448.0	448.0	448.0	448.0	448.0	448.0	448.0	448.0	448.0	448.0
2.5°	507.9	516.0	519.2	514.6	518.5	512.1	509.6	500.1	499.4	497.7
5°	576.3	594.6	605.5	612.2	604.5	596.0	583.3	561.5	554.8	550.5
7.5°	643.6	672.1	690.8	699.6	697.5	680.2	657.3	620.7	607.6	601.3
10°	702.1	737.0	759.5	770.5	765.9	750.7	717.9	672.1	654.9	651.0
12.5°	743.0	775.0	790.5	800.1	800.4	794.4	763.4	717.2	696.8	691.9
15°	768.7	782.4	782.8	788.4	798.3	811.7	797.2	756.4	734.5	727.1
17.5°	784.9	769.7	754.2	755.7	771.9	807.5	822.3	790.9	767.6	759.5
20°	796.5	748.6	719.7	720.1	736.6	790.5	839.5	824.4	800.4	793.0
22.5°	803.9	729.9	688.7	687.6	705.3	770.5	855.4	864.2	840.6	832.1
25°	819.1	721.1	670.0	676.0	691.5	764.1	876.9	917.1	895.2	883.9
27.5°	846.2	729.9	668.2	682.0	699.6	782.8	914.3	987.6	965.0	952.3
30°	893.1	763.1	695.4	714.4	735.6	831.8	977.0	1085.9	1053.5	1041.5
32.5°	968.5	831.8	779.3	820.2	840.6	912.1	1071.1	1196.2	1169.8	1145.8
35°	1072.5	988.6	982.6	1077.8	1072.9	1064.4	1186.7	1331.6	1291.7	1268.5
37.5°	1215.6	1241.0	1285.4	1379.8	1376.7	1312.2	1338.6	1459.5	1439.1	1409.1
40°	1394.3	1448.2	1523.6	1659.0	1616.7	1535.6	1525.0	1590.6	1574.0	1538.8
42.5°	1499.7	1592.7	1736.5	1858.1	1824.3	1682.6	1670.6	1765.8	1729.5	1691.1
45°	1548.7	1710.4	1992.4	2157.0	2054.4	1780.2	1775.6	1994.2	1973.7	1922.3
47.5°	1571.2	1829.2	2292.0	2541.2	2349.4	1865.9	1849.3	2325.5	2298.7	2238.1
50°	1596.2	1993.1	2652.9	2986.3	2705.8	1962.8	1974.8	2634.2	2622.9	2551.4
52.5°	1651.2	2166.5	3097.3	3495.2	3137.9	2114.7	2190.1	2925.3	2849.2	2766.7
55°	1733.7	2355.4	3559.7	4015.1	3578.8	2318.8	2423.1	3080.1	2866.5	2775.2
57.5°	1642.4	2402.6	3833.6	4378.1	3774.4	2319.5	2226.1	2811.8	2521.1	2432.6
60°	1303.4	2235.2	3728.2	4299.5	3607.7	2059.7	1704.4	2195.4	1909.9	1850.7
62.5°	881.1	1874.7	3282.0	3636.2	3087.8	1620.2	1107.7	1427.8	1182.5	1133.5
65°	482.9	1398.5	2651.8	2750.9	2416.7	1131.7	569.9	619.6	471.9	450.1
67.5°	133.2	973.5	1951.2	1825.0	1695.6	737.0	147.3	110.7	78.9	78.2
70°	33.5	643.9	1169.1	1205.0	1039.7	471.9	28.2	13.4	10.6	10.2
72.5°	14.1	277.0	554.8	637.6	532.2	218.5	10.2	3.9	3.2	2.5
75°	1.8	22.2	47.2	71.5	49.0	23.6	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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