

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: P630123

Luminaire Tested: GWS-SA1D-722-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630123
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-722-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2382.9 lumens
Efficiency: N/A
Efficacy: 53.8 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

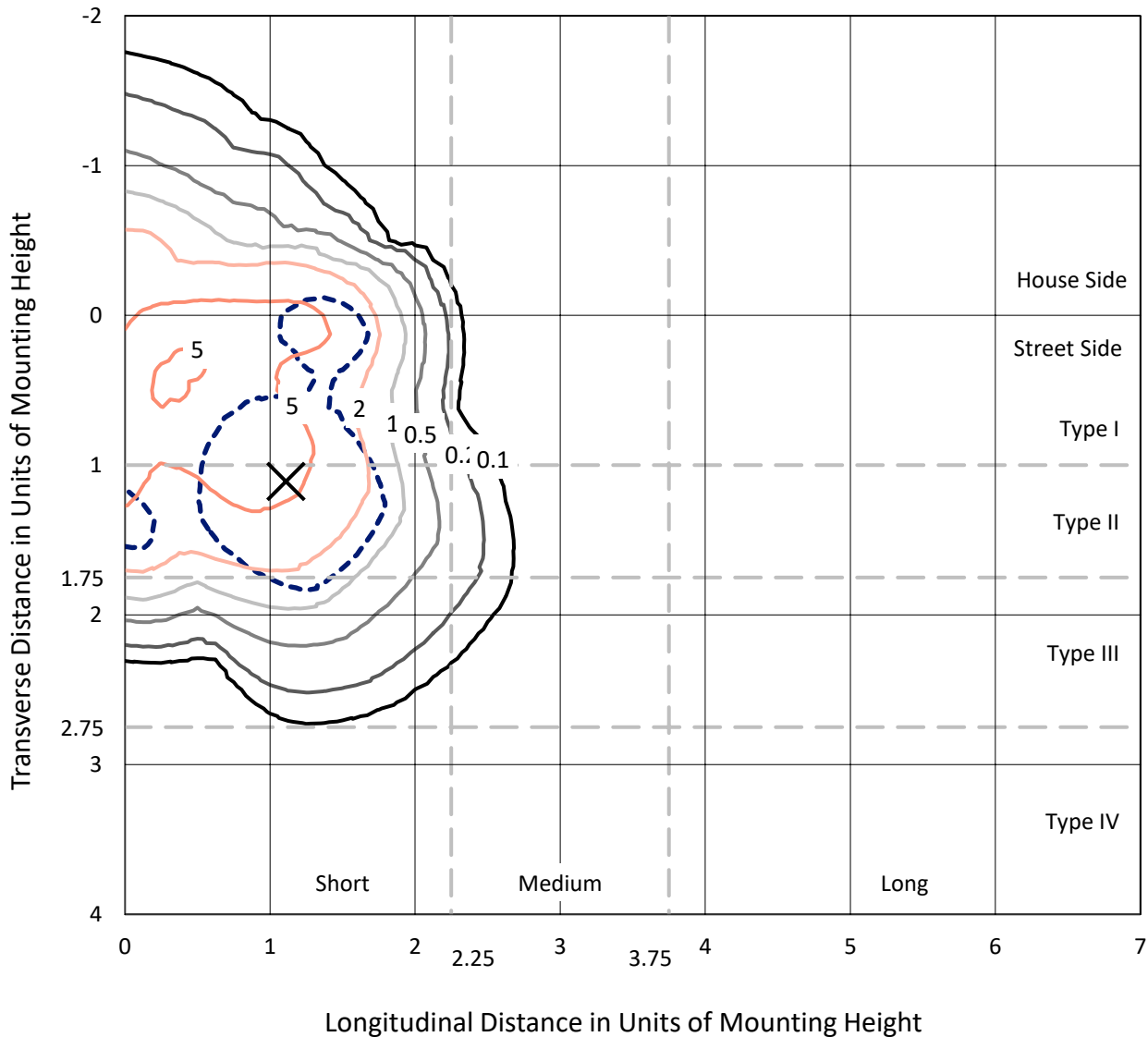
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

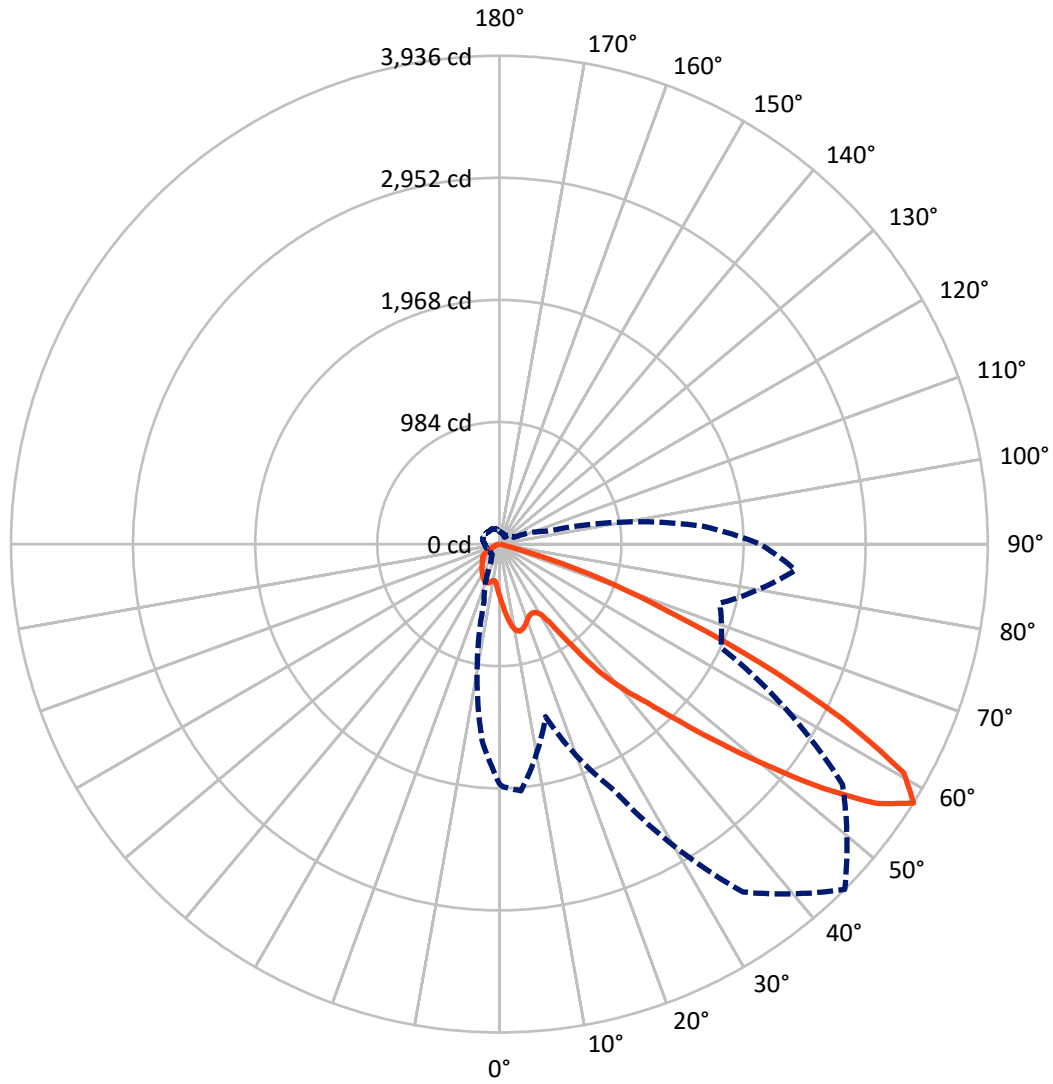
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	533.6	0.0	533.6
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	1849.3	0.0	1849.3
	% Fixture	77.6	0.0	77.6
Total	Lumens	2382.9	0.0	2382.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.2	1.7
10°-20°	133.3	5.6
20°-30°	216.5	9.1
30°-40°	334.5	14.0
40°-50°	536.5	22.5
50°-60°	733.2	30.8
60°-70°	355.1	14.9
70°-80°	32.5	1.4
80°-90°	0.1	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°	2382.9	100.0
0°-180°	2382.9	100.0

Coefficient of Utilization



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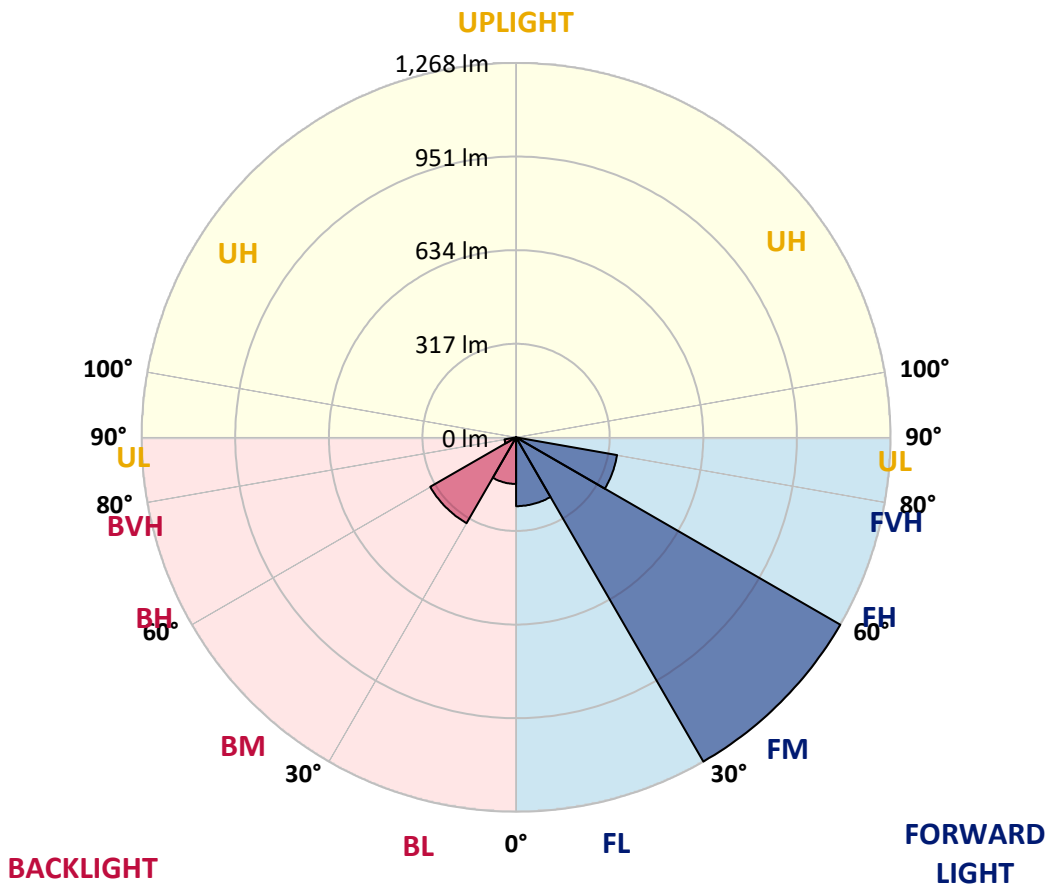
CATALOG NUMBER: GWS-SA1D-722-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	233.1	9.8			
FM (30°-60°)	1268.5	53.2			
FH (60°-80°)	347.6	14.6			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	157.9	6.6	B1/500		
BM (30°-60°)	335.7	14.1	B1/1000		
BH (60°-80°)	40.0	1.7	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°	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8
2.5°	453.7	456.6	461.4	471.7	480.3	486.1	488.6	488.0	484.5	481.9	476.8
5°	502.4	502.4	511.7	535.1	553.0	564.2	570.0	566.4	559.4	548.2	530.9
7.5°	545.0	546.6	562.3	595.6	622.8	638.8	648.1	646.2	633.7	612.2	577.6
10°	578.3	580.2	601.0	641.7	673.7	690.0	703.8	705.1	691.3	662.8	623.1
12.5°	610.6	612.5	634.3	673.4	701.6	708.3	720.4	725.3	721.7	701.6	660.3
15°	645.5	650.0	668.6	697.7	709.6	701.6	709.6	718.2	730.1	728.1	691.0
17.5°	679.8	683.0	701.9	712.1	699.0	678.2	682.0	692.3	719.2	745.4	721.4
20°	711.5	716.0	731.7	718.2	678.5	646.2	646.5	659.9	700.9	756.0	752.5
22.5°	744.8	751.5	762.7	724.9	659.6	620.9	622.5	634.6	686.5	765.9	787.7
25°	788.3	794.7	802.1	741.6	653.5	608.4	614.5	625.7	686.5	782.9	831.2
27.5°	847.2	851.7	852.0	772.6	664.1	610.3	623.1	635.9	707.0	816.8	889.5
30°	921.2	928.3	919.0	821.0	697.1	635.9	654.8	670.8	751.2	874.1	975.3
32.5°	1011.2	1021.1	1008.6	892.7	765.9	724.3	758.6	767.8	821.6	957.1	1072.7
35°	1116.9	1125.2	1111.7	992.0	926.7	934.3	996.5	984.6	963.2	1059.2	1186.3
37.5°	1232.8	1240.5	1214.5	1142.5	1164.2	1197.5	1296.8	1256.1	1187.0	1190.8	1309.6
40°	1339.1	1347.4	1306.7	1306.1	1350.9	1411.8	1531.5	1475.5	1381.3	1363.1	1425.2
42.5°	1449.2	1455.0	1418.2	1393.2	1495.0	1620.2	1747.0	1671.4	1510.1	1490.2	1569.9
45°	1606.4	1618.6	1553.0	1436.1	1624.7	1860.0	2036.8	1889.2	1597.8	1581.8	1791.5
47.5°	1837.6	1846.6	1712.7	1463.0	1745.4	2158.8	2398.9	2171.6	1675.0	1638.5	2094.4
50°	2028.8	2034.9	1859.7	1492.4	1873.8	2480.9	2811.7	2506.5	1761.7	1732.3	2377.2
52.5°	2169.7	2192.7	2052.8	1553.0	2042.5	2859.7	3268.6	2903.2	1897.2	1913.5	2611.5
55°	2198.8	2230.2	2184.7	1590.1	2191.1	3245.5	3690.6	3258.3	2032.3	2050.9	2690.3
57.5°	1932.4	1957.4	1995.2	1440.3	2187.6	3422.3	3935.6	3376.2	1970.8	1839.2	2395.4
60°	1447.6	1464.9	1533.4	1100.8	2011.8	3266.0	3744.7	3175.7	1723.3	1403.4	1825.1
62.5°	858.5	866.1	952.9	713.1	1669.8	2812.6	3105.6	2740.3	1361.8	943.9	1117.8
65°	329.5	326.3	392.6	351.9	1228.0	2240.4	2309.9	2089.0	934.3	432.6	426.2
67.5°	50.9	48.7	65.6	104.1	885.7	1552.6	1524.1	1505.6	585.3	100.9	88.1
70°	11.5	11.5	14.1	30.7	541.1	912.2	976.3	930.8	374.6	21.5	11.5
72.5°	5.4	5.4	6.7	13.1	196.0	375.9	438.0	431.3	121.7	7.0	4.2
75°	1.9	2.2	2.2	2.9	11.8	19.5	44.8	32.0	7.7	0.0	0.0
77.5°	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.3	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°	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8
2.5°	465.6	463.3	455.0	443.8	432.9	423.3	413.4	401.5	392.9	383.0	379.8
5°	517.4	503.4	480.6	456.9	435.2	416.6	398.6	379.4	365.3	351.3	346.5
7.5°	561.3	540.5	503.7	468.1	438.4	412.1	386.2	359.9	339.4	322.8	317.6
10°	600.7	576.7	527.4	483.5	446.0	415.6	384.2	351.3	324.7	304.8	300.0
12.5°	634.6	606.8	547.5	495.0	449.2	414.3	383.9	357.7	333.6	310.9	304.8
15°	663.1	632.4	564.5	502.7	444.4	398.3	371.8	367.6	365.7	340.7	328.8
17.5°	691.0	656.4	578.3	506.2	431.0	370.2	350.9	369.8	390.0	373.7	358.6
20°	720.1	680.7	592.4	506.9	408.6	338.5	335.2	365.0	390.6	385.5	371.4
22.5°	754.4	711.2	610.0	506.6	380.4	311.6	323.7	355.7	376.6	376.2	365.0
25°	804.0	749.6	633.7	508.5	349.7	290.7	310.9	340.1	357.0	356.4	347.1
27.5°	857.2	795.4	664.4	513.3	323.4	278.6	295.9	318.6	333.3	332.7	324.7
30°	931.8	848.2	693.9	513.6	304.5	272.2	279.2	294.9	309.0	307.4	301.3
32.5°	1022.4	907.8	718.5	495.3	292.7	266.1	261.9	269.9	280.8	278.6	277.0
35°	1131.9	978.5	739.7	455.3	274.4	253.9	242.7	244.3	252.0	253.3	252.6
37.5°	1256.8	1062.7	765.9	402.5	249.8	236.3	221.3	220.0	224.5	228.6	231.8
40°	1380.1	1157.5	801.5	349.0	227.3	213.9	199.5	196.3	198.2	205.6	212.3
42.5°	1518.7	1267.3	839.9	303.2	212.0	189.2	175.5	169.4	174.8	186.7	194.7
45°	1718.5	1421.4	877.3	266.7	205.6	167.5	148.9	148.3	154.3	169.7	178.7
47.5°	1999.0	1620.5	902.0	238.2	205.2	150.5	128.4	132.2	139.3	154.3	164.6
50°	2272.5	1870.0	874.8	216.5	198.5	139.3	113.0	120.7	127.8	140.9	151.5
52.5°	2437.4	2004.1	768.8	196.0	177.7	134.2	98.0	111.4	112.7	124.6	135.8
55°	2420.1	1917.4	588.8	164.3	147.0	126.8	82.3	100.5	101.2	110.1	119.8
57.5°	2100.5	1646.1	404.4	133.2	110.5	104.7	67.9	84.9	90.9	96.4	103.4
60°	1565.5	1201.1	180.3	108.2	70.1	70.8	58.0	64.0	73.3	79.7	85.8
62.5°	922.5	691.0	73.3	65.0	38.7	44.5	46.7	46.7	52.5	57.3	61.2
65°	348.7	241.8	29.8	32.7	20.2	20.8	27.5	33.9	38.4	42.6	47.7
67.5°	61.2	42.3	15.4	12.2	11.8	10.6	14.1	22.1	24.7	27.9	30.1
70°	10.2	8.6	6.4	6.1	5.4	5.8	9.3	15.7	17.3	18.3	19.2
72.5°	2.9	2.6	1.9	1.6	1.3	1.6	5.8	12.2	12.8	13.4	14.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	2.2	8.6	9.3	9.6	10.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	2.6	3.2	2.6
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°	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8
2.5°	377.8	371.4	367.9	366.0	366.0	363.4	360.5	359.6	363.7	363.7	370.8
5°	340.4	335.2	329.5	326.0	320.5	321.5	318.3	318.0	322.1	324.0	331.4
7.5°	314.4	308.0	304.5	302.3	299.4	298.1	295.2	294.3	296.5	299.7	306.8
10°	297.1	296.2	295.9	297.5	297.5	295.9	293.3	291.7	292.3	298.4	306.4
12.5°	301.6	303.5	304.2	306.8	308.0	306.8	304.8	305.5	309.6	320.8	332.7
15°	321.2	319.6	318.9	320.2	321.2	319.9	319.2	324.0	338.5	354.5	367.9
17.5°	342.0	331.7	327.2	327.2	327.9	327.2	327.9	337.2	360.5	376.6	386.5
20°	352.5	333.6	326.6	325.0	326.3	326.6	328.8	339.4	365.0	376.2	378.5
22.5°	349.3	325.6	317.6	316.4	317.6	318.9	321.2	330.1	354.1	359.9	358.9
25°	333.3	310.0	303.5	303.5	306.4	306.1	307.1	313.5	333.3	336.8	335.2
27.5°	313.2	291.1	285.6	288.8	291.4	290.7	291.1	296.5	311.2	312.2	310.6
30°	292.7	273.4	268.3	272.2	275.7	275.1	275.4	280.8	290.1	289.1	286.9
32.5°	271.8	257.8	253.9	256.2	261.6	261.0	262.2	268.0	271.5	267.4	264.8
35°	252.6	245.3	242.4	243.7	247.8	248.8	251.0	254.9	254.9	249.8	245.3
37.5°	234.7	233.7	231.8	230.2	234.1	236.9	240.1	244.6	238.2	230.9	226.7
40°	218.1	222.2	219.7	215.5	217.7	221.9	228.3	231.8	224.1	216.8	209.7
42.5°	202.7	209.7	208.8	203.6	205.6	209.4	216.8	219.7	210.7	202.4	195.6
45°	188.0	197.9	198.5	192.1	194.0	197.9	206.5	207.5	196.0	187.0	182.2
47.5°	175.1	186.0	186.4	181.6	182.2	187.6	195.6	196.0	182.8	174.5	168.4
50°	163.0	175.5	176.4	172.3	172.9	179.3	186.0	184.8	170.7	162.0	156.6
52.5°	148.3	165.2	167.5	165.5	168.1	173.2	177.4	172.9	156.6	147.9	143.1
55°	132.2	154.3	159.1	157.9	160.7	164.9	165.9	163.0	142.5	133.8	129.4
57.5°	113.7	127.1	135.4	132.9	135.1	139.3	142.2	139.9	124.6	117.8	114.0
60°	94.1	103.1	105.0	100.9	98.9	106.3	113.0	110.1	97.0	92.9	88.4
62.5°	68.8	79.1	80.4	74.9	72.7	80.7	86.5	83.6	69.2	64.7	61.2
65°	55.1	64.7	67.2	62.1	60.8	66.9	70.4	63.4	53.2	48.4	44.5
67.5°	36.2	43.9	50.6	50.3	47.7	49.6	47.1	41.3	33.9	31.4	28.8
70°	22.4	26.9	31.1	32.7	32.3	31.7	28.2	24.0	21.8	20.8	19.5
72.5°	17.3	21.8	25.0	25.9	26.3	25.3	22.4	18.6	16.3	15.0	14.1
75°	12.8	16.3	18.9	20.2	20.8	20.2	17.3	14.7	12.5	11.5	10.6
77.5°	4.5	5.4	6.7	7.4	7.0	6.7	6.1	6.1	4.8	4.5	3.8
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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CATALOG NUMBER: GWS-SA1D-722-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8	418.8
2.5°	378.8	384.6	395.1	404.7	415.0	425.5	437.1	448.9	454.4	453.7
5°	342.6	355.1	372.4	391.3	412.4	435.2	460.4	486.4	497.6	502.4
7.5°	319.9	337.5	360.2	384.2	412.1	444.4	482.5	523.2	539.5	545.0
10°	322.8	343.3	362.1	385.5	415.3	457.2	504.6	553.0	572.2	578.3
12.5°	346.1	350.6	355.7	375.0	412.4	466.9	524.8	582.4	604.5	610.6
15°	367.3	346.5	336.8	354.5	402.2	473.6	545.3	614.1	638.5	645.5
17.5°	368.2	336.8	315.4	329.2	385.5	476.5	565.5	646.5	673.1	679.8
20°	356.4	326.3	298.7	299.1	362.8	475.8	582.1	675.6	705.4	711.5
22.5°	339.1	313.8	285.3	275.4	338.5	474.5	600.4	706.7	739.0	744.8
25°	319.9	297.8	272.5	257.4	314.1	475.8	626.0	747.3	782.9	788.3
27.5°	299.1	280.2	262.6	250.4	293.6	480.6	656.7	799.2	841.5	847.2
30°	277.3	263.2	256.2	248.8	280.8	481.9	690.0	859.7	913.2	921.2
32.5°	255.8	248.2	248.5	249.8	268.6	472.9	720.4	927.0	998.4	1011.2
35°	236.0	233.7	240.1	246.6	251.0	449.9	747.0	1006.4	1103.7	1116.9
37.5°	219.0	220.9	228.9	235.3	231.8	417.2	782.2	1105.6	1221.6	1232.8
40°	202.7	207.5	216.8	219.7	217.1	379.1	824.5	1201.4	1323.7	1339.1
42.5°	187.6	191.2	204.3	204.9	212.9	340.4	865.2	1304.5	1441.2	1449.2
45°	175.5	174.8	188.3	192.4	218.4	297.5	904.9	1441.9	1594.9	1606.4
47.5°	163.6	163.0	166.2	185.1	220.6	257.8	944.3	1642.9	1817.8	1837.6
50°	152.4	153.4	143.4	181.6	208.4	227.3	962.2	1829.0	2020.5	2028.8
52.5°	142.5	139.0	121.7	170.0	182.5	198.5	911.3	1913.5	2146.0	2169.7
55°	128.4	108.9	100.2	138.0	144.1	173.2	746.4	1864.5	2156.9	2198.8
57.5°	109.8	85.5	85.2	101.8	101.8	160.7	478.1	1593.0	1858.8	1932.4
60°	84.5	66.3	70.4	70.8	65.3	117.2	268.3	1154.0	1374.3	1447.6
62.5°	60.2	50.6	53.2	42.3	37.5	58.6	128.7	664.4	848.2	858.5
65°	40.3	34.3	27.9	23.4	23.1	25.0	53.2	240.1	292.0	329.5
67.5°	26.6	20.8	14.7	14.7	16.7	16.7	20.2	39.7	55.7	50.9
70°	17.3	14.4	9.3	9.0	10.9	10.9	10.2	10.9	11.5	11.5
72.5°	12.8	10.9	5.4	4.8	6.1	6.4	5.8	5.4	5.4	5.4
75°	9.6	7.7	3.2	2.2	2.9	3.8	3.2	2.2	2.2	1.9
77.5°	3.8	2.9	1.3	1.0	1.6	2.2	1.9	1.0	0.6	0.6
80°	0.3	0.6	0.6	0.6	1.0	1.3	1.6	0.6	0.3	0.3
82.5°	0.0	0.3	0.3	0.3	0.6	1.0	1.3	0.6	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.6	1.0	0.6	0.3	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.3	1.0	0.6	0.3	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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