

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: P628918

Luminaire Tested: GWS-SA1A-750-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628918
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-41)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-750-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2754.3 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

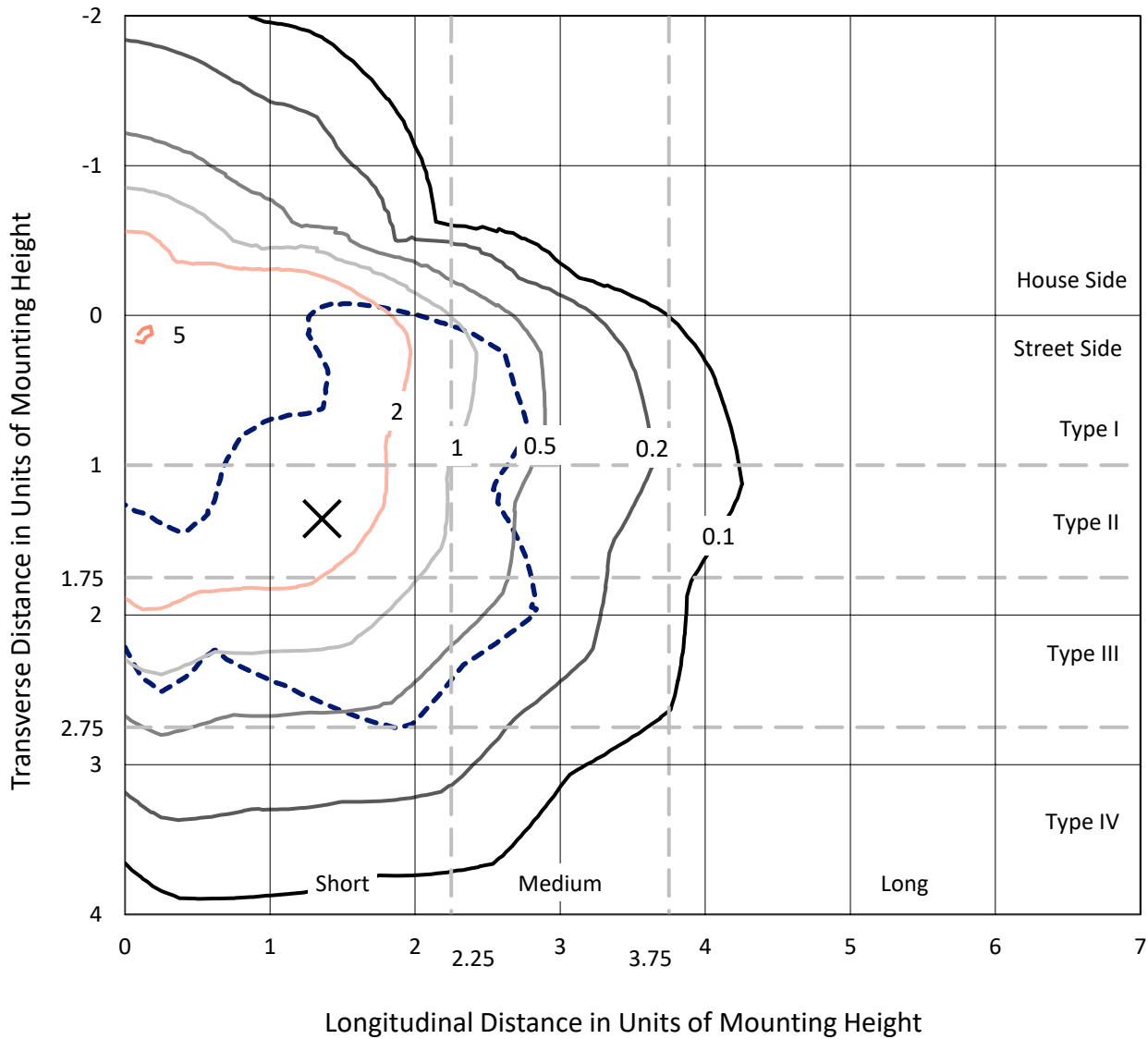
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

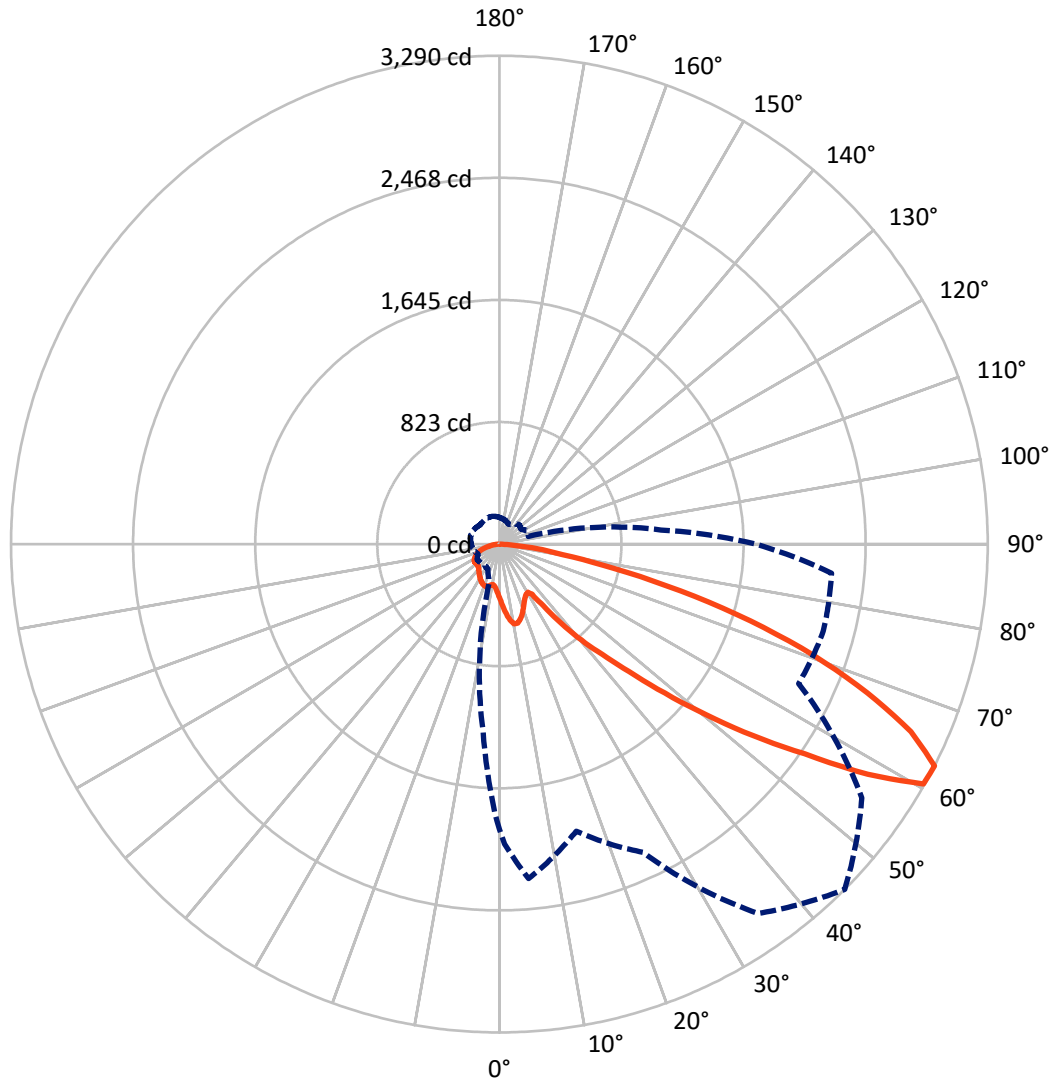
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	657.2	0.0	657.2
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	2097.1	0.0	2097.1
	% Fixture	76.1	0.0	76.1
Total	Lumens	2754.3	0.0	2754.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.7	1.3
10°-20°	111.9	4.1
20°-30°	173.8	6.3
30°-40°	236.0	8.6
40°-50°	374.1	13.6
50°-60°	659.9	24.0
60°-70°	734.2	26.7
70°-80°	372.3	13.5
80°-90°	56.4	2.0
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°	2754.3	100.0
0°-180°	2754.3	100.0

Coefficient of Utilization



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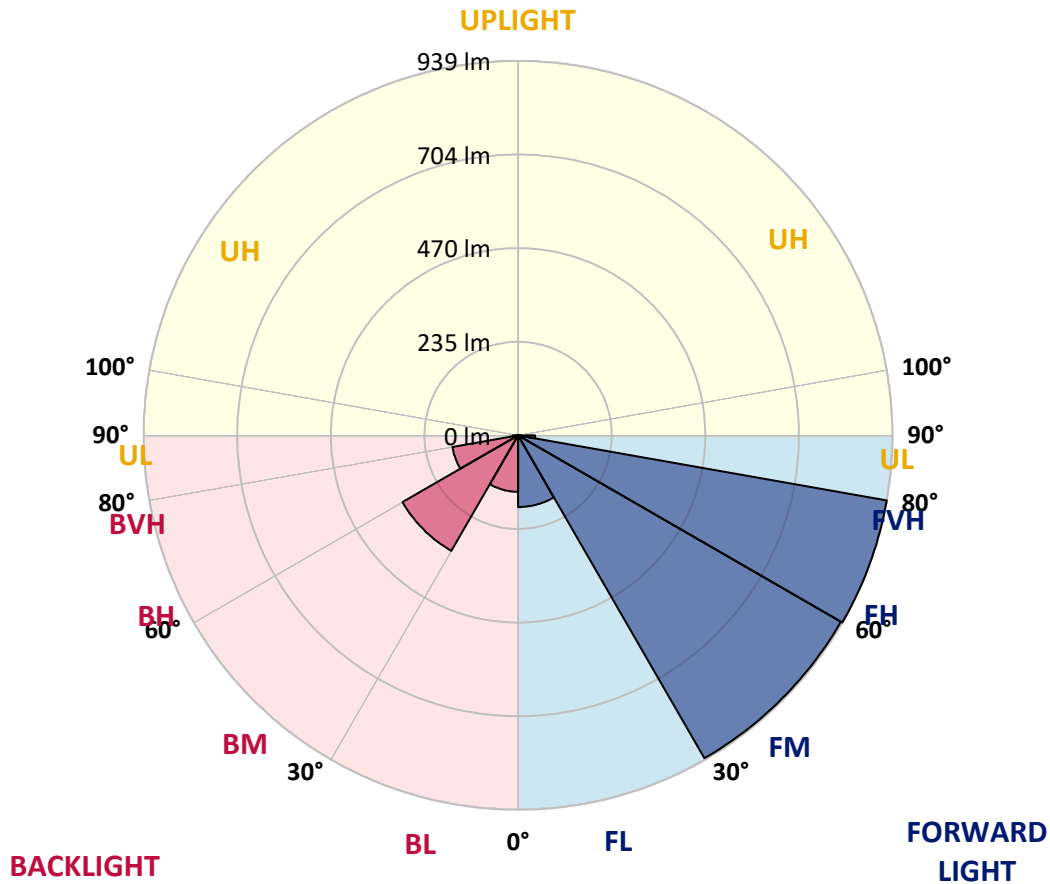
CATALOG NUMBER: GWS-SA1A-750-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	179.8	6.5			
FM (30°-60°)	935.2	34.0			
FH (60°-80°)	939.2	34.1			G1/1800
FVH (80°-90°)	42.8	1.6			G1/100
BL (0°-30°)	141.6	5.1	B1/500		
BM (30°-60°)	334.7	12.2	B1/1000		
BH (60°-80°)	167.3	6.1	B1/500		G1/500
BVH (80°-90°)	13.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	365.6	365.6	365.6	365.6	365.6	365.6	365.6	365.6	365.6	365.6	365.6
2.5°	392.9	392.7	396.6	402.7	408.3	410.8	415.0	414.6	411.2	406.8	405.4
5°	423.7	424.6	431.4	444.8	459.6	465.9	468.6	467.5	461.5	453.8	440.2
7.5°	451.7	453.1	463.8	483.8	502.1	510.5	517.2	515.9	507.1	492.8	472.7
10°	472.1	473.8	486.5	510.1	530.5	537.8	546.3	546.8	539.0	519.7	499.2
12.5°	492.5	494.2	506.1	527.6	540.9	541.1	546.1	548.8	549.3	540.3	519.9
15°	513.8	515.3	526.1	538.2	537.6	525.9	525.9	531.1	542.6	549.1	534.9
17.5°	532.0	533.8	542.2	538.2	519.7	498.6	496.1	502.8	522.8	547.6	546.1
20°	547.0	548.4	553.0	526.7	493.0	465.4	460.6	468.4	495.5	538.6	554.7
22.5°	561.4	562.2	559.7	511.7	464.2	432.7	426.9	435.0	464.2	522.8	562.0
25°	578.5	577.6	565.7	496.1	437.9	406.8	400.8	410.0	440.4	501.7	569.9
27.5°	598.3	595.1	571.0	479.2	417.7	387.7	383.5	393.3	421.6	482.3	576.2
30°	615.2	609.1	571.8	464.2	407.3	379.5	377.0	386.2	412.5	469.2	584.1
32.5°	633.9	625.6	576.6	460.2	413.1	399.1	402.5	403.1	415.0	465.4	596.0
35°	660.8	650.0	589.7	471.7	473.2	496.7	508.8	492.5	452.7	473.8	618.5
37.5°	701.5	687.7	616.4	521.3	597.2	650.0	679.2	642.1	567.4	505.3	652.5
40°	750.9	733.4	650.6	613.1	713.2	797.6	849.5	795.1	685.4	583.9	700.2
42.5°	819.9	801.6	716.9	703.2	820.6	946.3	1014.1	933.0	789.5	685.4	776.8
45°	940.3	922.5	838.5	793.5	946.3	1129.4	1224.5	1111.7	895.2	787.4	919.8
47.5°	1162.6	1141.7	1019.1	893.5	1089.8	1367.1	1500.2	1335.8	1005.1	904.2	1160.0
50°	1429.5	1409.4	1245.8	1012.0	1248.3	1621.3	1806.3	1599.2	1131.7	1046.2	1447.2
52.5°	1750.6	1746.8	1569.2	1161.7	1413.2	1892.4	2146.0	1890.9	1270.4	1237.4	1772.5
55°	2040.0	2076.7	1980.0	1390.1	1626.3	2232.9	2495.3	2209.2	1458.5	1553.5	2153.5
57.5°	2196.0	2294.7	2443.3	1855.9	1936.2	2640.0	2926.3	2597.6	1781.7	2079.9	2506.7
60°	2093.0	2204.8	2474.2	2206.7	2243.6	2966.1	3282.0	2924.2	2099.1	2445.2	2486.7
62.5°	1921.6	2021.9	2261.5	2001.9	2291.1	3037.9	3290.4	2981.1	2225.2	2259.8	2246.3
65°	1718.3	1819.4	2073.2	1747.5	2139.9	2867.5	3047.7	2813.7	1998.5	2041.7	2046.7
67.5°	1448.2	1541.7	1800.0	1553.8	1950.6	2617.5	2675.0	2575.1	1840.5	1909.3	1837.4
70°	1082.1	1166.3	1394.4	1262.6	1644.3	2291.7	2245.2	2260.0	1663.0	1731.4	1534.8
72.5°	739.4	802.8	998.4	992.2	1259.1	1834.6	1769.8	1910.1	1389.0	1479.7	1170.1
75°	517.2	566.6	721.7	783.9	951.7	1359.8	1260.4	1429.7	1084.8	1214.3	853.7
77.5°	317.4	350.1	455.8	580.8	612.2	930.7	782.8	1075.8	761.8	885.6	569.5
80°	158.7	174.5	221.5	365.1	406.0	548.4	432.3	624.5	515.5	548.4	315.1
82.5°	48.0	53.0	64.9	138.7	210.4	315.7	255.4	362.8	281.5	257.1	124.1
85°	12.7	14.4	17.9	41.1	73.8	113.2	86.3	175.8	134.9	94.9	46.7
87.5°	1.0	1.0	0.8	0.8	0.4	0.0	0.0	12.5	25.2	14.4	8.1
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°	365.6	365.6	365.6	365.6	365.6	365.6	365.6	365.6	365.6	365.6	365.6
2.5°	398.1	397.2	388.7	382.4	375.1	368.1	360.8	354.3	347.0	339.7	337.6
5°	430.2	424.4	406.2	391.0	376.0	362.8	351.4	339.5	329.9	320.5	317.0
7.5°	458.6	448.3	422.1	398.9	378.1	361.8	344.9	327.6	314.0	300.7	297.4
10°	484.2	470.7	437.5	408.3	385.2	366.6	346.8	323.6	304.0	287.8	283.4
12.5°	503.2	488.4	450.8	417.3	391.0	370.1	350.5	330.1	309.5	288.4	283.6
15°	518.2	502.8	461.9	424.1	391.2	364.3	345.3	338.2	331.8	311.1	302.4
17.5°	530.3	514.0	471.5	428.3	385.6	346.6	330.1	340.5	357.0	344.1	327.6
20°	541.3	524.9	478.8	431.2	373.1	322.2	313.0	335.1	359.9	359.5	344.7
22.5°	553.4	537.4	489.4	432.9	355.5	297.4	302.8	327.2	347.4	353.5	344.3
25°	568.9	554.7	504.2	436.7	335.7	280.3	295.3	317.0	333.9	335.3	329.9
27.5°	586.8	576.2	526.3	445.4	316.5	271.5	286.5	302.6	318.0	318.6	312.2
30°	606.4	599.3	546.8	452.7	302.2	268.8	275.3	288.2	298.0	299.7	294.0
32.5°	631.4	625.2	564.9	447.9	293.6	268.2	264.8	271.5	279.6	279.6	275.3
35°	665.8	657.1	584.1	429.6	283.2	265.7	253.8	255.7	259.2	259.8	257.3
37.5°	714.6	700.2	603.5	393.3	266.1	256.7	241.1	238.8	240.0	241.7	241.1
40°	775.1	751.5	631.8	349.7	245.6	239.4	227.9	223.5	222.5	225.8	227.1
42.5°	851.2	815.1	662.3	309.0	227.1	219.6	212.5	208.7	207.1	212.7	216.0
45°	972.8	913.4	691.5	268.8	216.7	202.7	197.9	195.2	196.0	202.7	206.9
47.5°	1182.8	1063.3	719.2	243.4	215.8	190.6	184.8	185.4	187.7	194.8	199.8
50°	1448.4	1264.1	737.8	232.7	218.3	183.3	175.6	178.9	182.5	189.3	195.2
52.5°	1718.9	1451.2	715.7	226.9	218.1	183.5	167.0	177.0	178.7	185.6	191.8
55°	1904.9	1472.0	618.3	217.9	214.8	191.8	160.4	176.2	177.2	183.5	189.1
57.5°	1975.8	1400.7	471.5	220.4	204.8	198.3	157.4	170.4	177.9	183.3	189.1
60°	1890.1	1266.2	286.5	226.9	188.7	197.9	159.3	159.7	172.7	181.8	187.7
62.5°	1728.5	1093.5	201.2	208.5	177.0	186.8	163.7	147.2	163.5	174.5	179.8
65°	1543.3	890.4	153.5	179.5	171.4	169.7	165.2	136.2	151.0	161.8	166.4
67.5°	1350.4	692.1	124.7	133.9	154.9	153.5	151.0	126.4	136.2	143.9	149.1
70°	1107.5	484.2	105.3	100.5	132.8	137.6	132.0	114.1	117.2	125.1	129.3
72.5°	810.1	301.7	86.5	83.0	106.8	120.3	117.4	100.5	102.0	109.5	112.8
75°	582.6	172.7	69.4	68.4	81.5	103.0	97.2	86.5	88.2	93.8	96.1
77.5°	370.3	96.1	53.6	55.1	58.4	76.9	83.0	74.0	74.0	77.4	79.2
80°	198.3	55.1	39.2	39.8	40.9	58.8	65.5	57.3	57.3	55.1	57.3
82.5°	80.9	31.7	26.9	25.0	27.3	40.2	45.9	36.5	38.2	34.4	35.2
85°	26.7	15.8	13.3	13.1	12.9	17.7	22.1	18.1	21.7	13.8	14.4
87.5°	3.5	2.9	1.7	1.3	1.5	0.6	1.3	1.5	1.5	1.0	1.0
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°	365.6	365.6	365.6	365.6	365.6	365.6	365.6	365.6	365.6	365.6	365.6
2.5°	336.1	334.5	328.4	329.9	328.9	327.2	328.9	325.7	328.2	329.1	334.3
5°	314.3	310.3	304.5	301.5	300.9	299.2	299.4	298.0	298.4	302.0	307.8
7.5°	294.7	290.9	286.3	284.2	282.3	280.5	280.3	280.1	281.7	284.9	290.5
10°	280.5	278.4	276.5	277.3	276.5	275.7	274.2	274.2	276.9	282.6	289.4
12.5°	280.5	280.1	280.5	283.0	282.8	283.0	281.1	282.1	289.6	299.2	309.0
15°	295.5	292.1	292.1	293.4	293.0	293.0	293.0	297.4	314.5	329.3	339.7
17.5°	313.8	304.0	299.9	299.2	299.0	299.0	299.9	309.2	335.9	351.6	357.6
20°	326.6	308.0	301.1	298.4	298.6	299.0	301.5	314.5	343.9	351.8	350.3
22.5°	328.9	304.9	296.5	292.6	293.2	293.6	297.4	311.1	333.0	334.3	331.4
25°	318.2	296.1	287.1	284.0	284.9	284.6	288.0	298.0	313.6	313.2	311.5
27.5°	302.4	282.1	275.5	273.4	274.8	273.2	274.2	281.9	294.0	293.6	293.0
30°	286.1	268.6	262.5	261.5	263.4	260.9	261.1	267.5	275.9	275.5	275.3
32.5°	269.8	255.0	249.6	249.6	251.5	248.8	249.2	254.8	260.5	258.8	258.8
35°	254.4	244.0	239.6	238.8	240.2	238.3	239.2	244.4	246.5	244.2	242.7
37.5°	240.9	236.3	231.9	229.0	229.2	229.4	231.9	235.8	234.6	231.3	229.4
40°	228.3	228.3	224.2	218.7	218.1	219.6	223.8	228.1	224.6	220.8	218.5
42.5°	219.4	221.2	217.3	211.9	210.6	213.1	217.7	220.8	216.7	212.5	209.4
45°	211.0	215.6	212.9	206.9	205.2	208.1	214.0	215.2	209.6	205.6	203.3
47.5°	205.2	211.4	209.6	203.7	201.2	205.4	211.4	211.2	204.2	200.0	198.1
50°	201.0	208.9	208.7	203.7	201.0	206.2	211.7	208.9	201.2	196.9	195.0
52.5°	197.7	208.7	210.2	207.3	205.4	210.0	213.3	208.1	199.1	194.6	193.1
55°	196.2	209.6	210.6	207.9	206.2	210.4	213.3	209.8	199.1	195.0	193.7
57.5°	196.6	208.5	208.7	205.0	202.1	207.3	211.9	210.8	201.4	196.6	195.2
60°	194.1	202.9	203.3	197.5	194.1	200.4	208.5	207.9	200.4	195.4	192.7
62.5°	185.8	193.5	193.7	188.3	183.5	192.5	201.4	201.2	194.3	189.3	186.2
65°	171.8	180.0	182.0	176.8	173.1	182.7	192.1	191.6	184.8	180.2	177.0
67.5°	154.5	163.3	167.2	163.7	162.2	171.0	179.8	179.5	173.9	169.5	166.8
70°	133.5	140.8	147.4	147.4	146.4	156.4	165.8	164.9	159.7	156.4	154.3
72.5°	115.9	121.6	123.7	125.7	128.9	139.3	147.2	147.8	144.1	142.4	144.1
75°	98.6	102.2	104.1	102.4	107.8	118.7	129.1	130.1	126.2	123.4	124.1
77.5°	81.1	85.1	87.0	83.2	82.8	96.5	109.3	111.6	108.2	104.1	105.3
80°	58.6	63.8	66.9	64.4	63.6	69.6	87.2	89.7	86.5	83.2	85.1
82.5°	35.9	38.8	39.6	42.1	47.3	49.8	56.1	64.4	62.1	59.2	64.4
85°	14.2	16.9	18.8	21.3	24.8	29.4	34.6	41.3	37.5	36.3	42.7
87.5°	0.8	0.2	0.0	0.4	3.5	6.9	14.8	20.4	17.1	18.4	22.1
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	365.6	365.6	365.6	365.6	365.6	365.6	365.6	365.6	365.6	365.6
2.5°	338.4	343.9	351.2	357.2	364.9	372.2	379.7	387.2	391.2	392.9
5°	314.5	324.5	336.1	349.1	364.1	379.9	396.0	412.5	422.9	423.7
7.5°	300.1	314.5	330.5	346.8	365.3	387.2	412.7	438.1	448.8	451.7
10°	304.7	320.7	333.4	348.7	369.1	396.4	426.4	456.3	468.6	472.1
12.5°	323.0	326.1	330.1	344.1	369.1	404.3	440.6	476.1	489.2	492.5
15°	338.2	323.2	316.1	330.9	364.1	411.2	455.6	494.8	510.7	513.8
17.5°	339.5	313.6	298.2	311.5	355.3	416.0	470.0	515.7	529.0	532.0
20°	326.8	303.4	283.4	291.5	343.4	418.1	480.5	530.9	544.1	547.0
22.5°	312.4	295.1	273.4	273.0	329.1	420.4	493.0	545.3	559.5	561.4
25°	298.8	283.6	265.2	259.4	312.4	424.8	509.9	567.0	577.8	578.5
27.5°	283.0	271.3	258.8	253.2	297.8	433.1	534.9	592.8	599.3	598.3
30°	268.6	259.8	254.2	252.5	288.6	439.4	558.6	618.3	618.7	615.2
32.5°	253.4	250.0	250.0	255.4	281.1	437.9	578.0	643.1	639.1	633.9
35°	239.8	240.4	244.8	257.5	268.6	423.3	596.6	674.2	668.3	660.8
37.5°	226.9	231.7	237.9	250.2	252.1	401.6	618.3	718.2	710.9	701.5
40°	215.8	223.1	230.4	236.5	234.6	370.8	648.5	769.9	761.8	750.9
42.5°	207.1	214.2	222.3	222.9	223.5	338.7	680.6	833.3	831.8	819.9
45°	201.4	206.0	213.7	212.7	222.9	303.2	710.3	930.0	949.2	940.3
47.5°	197.7	201.2	202.1	206.4	228.3	271.5	748.4	1119.4	1172.8	1162.6
50°	195.6	199.1	189.8	206.9	229.2	251.1	801.2	1357.1	1443.0	1429.5
52.5°	195.4	194.6	180.4	211.2	224.6	238.6	828.7	1530.6	1721.2	1750.6
55°	195.8	185.4	175.6	212.5	215.4	234.0	736.5	1614.0	1977.9	2040.0
57.5°	192.1	175.4	178.3	207.5	198.1	246.3	544.5	1584.2	2080.5	2196.0
60°	185.0	165.8	183.3	193.9	180.4	225.2	374.9	1451.2	1974.1	2093.0
62.5°	174.7	159.1	182.7	176.4	173.9	184.3	257.7	1264.9	1805.4	1921.6
65°	163.3	153.7	172.9	159.5	161.0	141.8	182.3	1054.7	1604.0	1718.3
67.5°	151.0	150.3	158.5	142.0	136.0	112.4	132.8	845.4	1345.2	1448.2
70°	137.0	141.6	144.1	126.2	110.3	88.2	98.6	591.2	992.4	1082.1
72.5°	123.0	123.4	127.0	109.7	82.6	70.7	74.0	358.0	674.2	739.4
75°	108.9	104.9	108.2	89.3	61.5	58.0	57.1	221.2	465.6	517.2
77.5°	93.6	89.3	84.9	67.1	49.4	44.8	43.8	124.1	285.7	317.4
80°	76.1	70.3	63.4	49.2	36.1	32.1	31.9	60.5	142.4	158.7
82.5°	59.2	48.2	46.3	30.7	22.3	19.6	20.9	23.1	43.0	48.0
85°	41.5	35.0	24.6	12.3	10.0	8.1	7.9	6.9	11.5	12.7
87.5°	23.1	15.2	7.9	1.5	1.7	1.9	1.5	1.0	1.0	1.0
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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