

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: P628863

Luminaire Tested: GWS-SA1A-740-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628863
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-740-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2692.6 lumens
Efficiency: N/A
Efficacy: 136.7 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

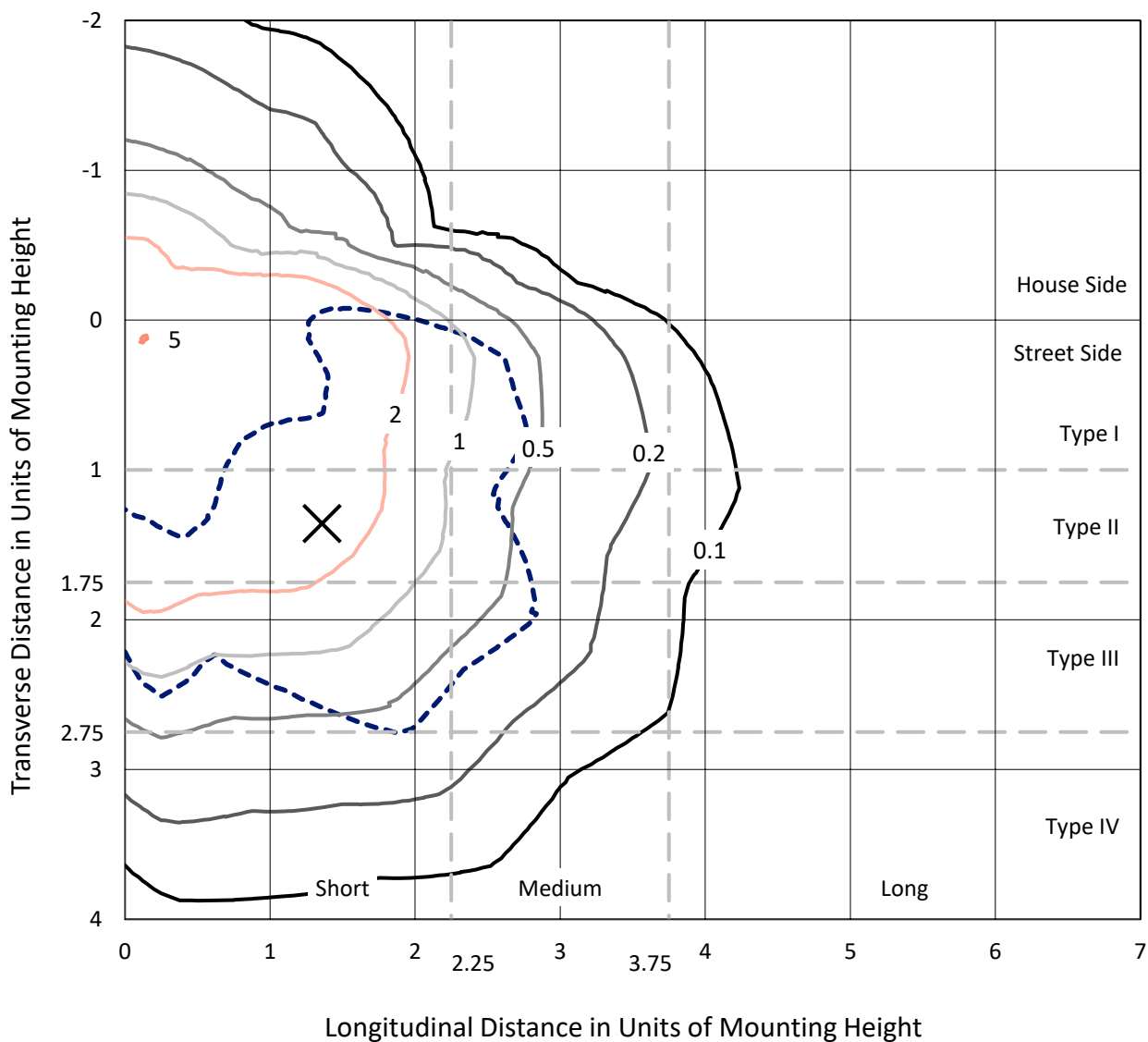
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

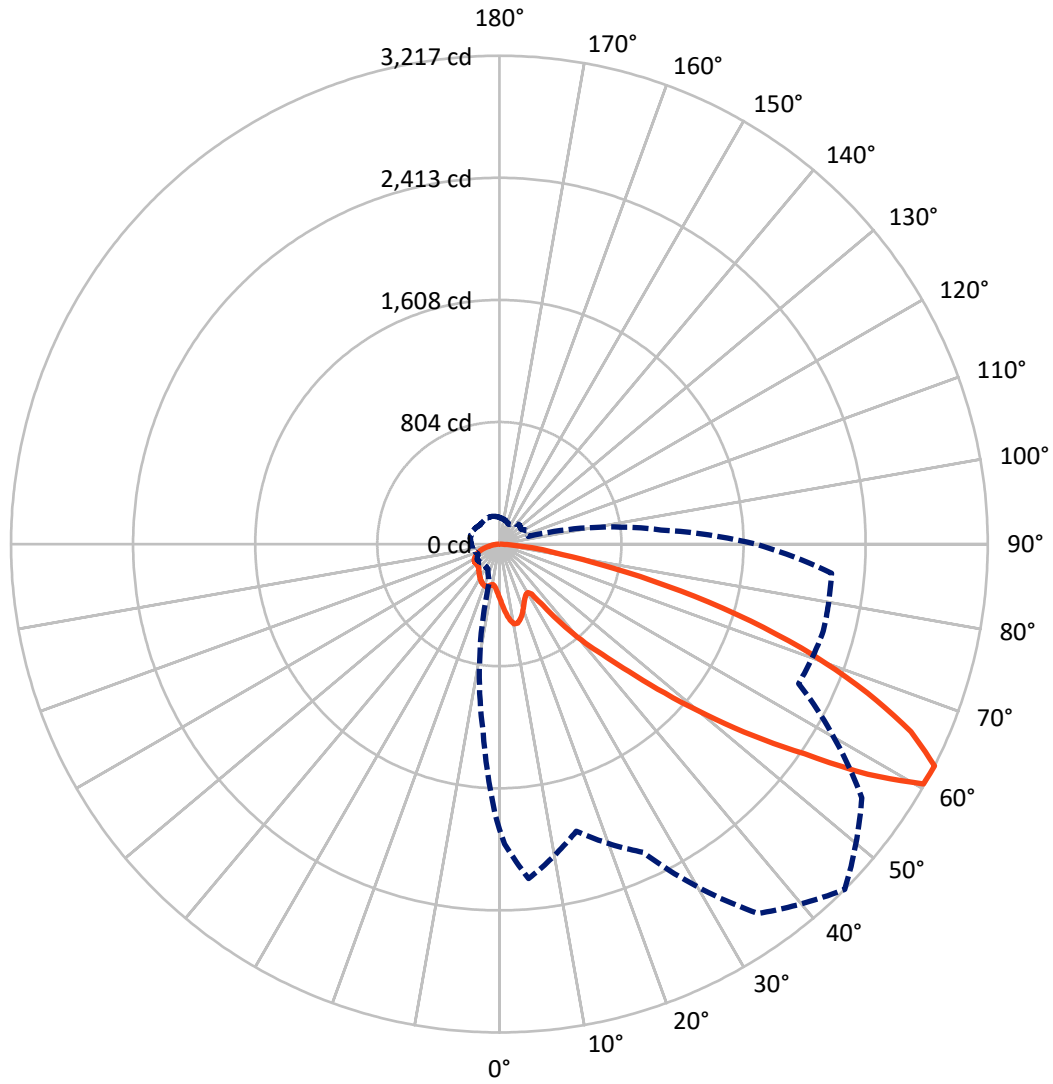
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.1 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	642.5	0.0	642.5
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	2050.1	0.0	2050.1
	% Fixture	76.1	0.0	76.1
Total	Lumens	2692.6	0.0	2692.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.9	1.3
10°-20°	109.4	4.1
20°-30°	169.9	6.3
30°-40°	230.7	8.6
40°-50°	365.7	13.6
50°-60°	645.1	24.0
60°-70°	717.7	26.7
70°-80°	364.0	13.5
80°-90°	55.1	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°	2692.6	100.0
0°-180°	2692.6	100.0

Coefficient of Utilization



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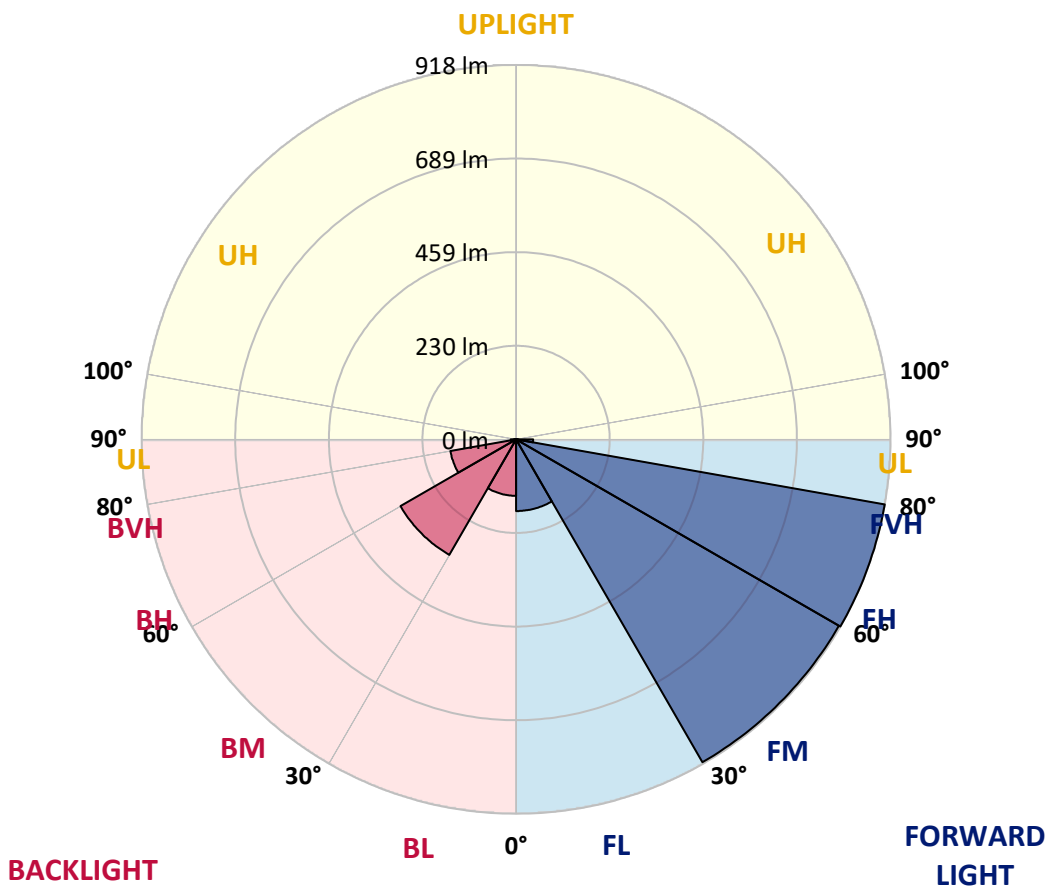
CATALOG NUMBER: GWS-SA1A-740-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	175.8	6.5			
FM (30°-60°)	914.3	34.0			
FH (60°-80°)	918.2	34.1			G1/1800
FVH (80°-90°)	41.8	1.6			G1/100
BL (0°-30°)	138.4	5.1	B1/500		
BM (30°-60°)	327.2	12.2	B1/1000		
BH (60°-80°)	163.5	6.1	B1/500		G1/500
BVH (80°-90°)	13.3	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°	357.4	357.4	357.4	357.4	357.4	357.4	357.4	357.4	357.4	357.4	357.4
2.5°	384.1	383.9	387.7	393.6	399.2	401.6	405.7	405.3	402.0	397.7	396.3
5°	414.2	415.1	421.8	434.8	449.3	455.4	458.1	457.0	451.1	443.6	430.3
7.5°	441.6	443.0	453.4	473.0	490.9	499.0	505.6	504.3	495.8	481.7	462.1
10°	461.5	463.2	475.6	498.6	518.6	525.7	534.1	534.5	527.0	508.0	488.0
12.5°	481.5	483.1	494.8	515.8	528.8	529.0	533.9	536.6	537.0	528.2	508.2
15°	502.3	503.7	514.3	526.2	525.5	514.1	514.1	519.2	530.4	536.8	522.9
17.5°	520.0	521.9	530.0	526.2	508.0	487.4	485.0	491.5	511.1	535.3	533.9
20°	534.7	536.1	540.6	514.9	481.9	455.0	450.3	457.9	484.4	526.6	542.3
22.5°	548.8	549.6	547.2	500.3	453.8	423.0	417.3	425.2	453.8	511.1	549.4
25°	565.5	564.7	553.1	485.0	428.1	397.7	391.8	400.8	430.5	490.5	557.1
27.5°	584.9	581.8	558.2	468.5	408.3	379.0	374.9	384.5	412.2	471.5	563.3
30°	601.4	595.5	559.0	453.8	398.1	371.0	368.6	377.5	403.2	458.7	571.0
32.5°	619.7	611.6	563.7	449.9	403.8	390.2	393.4	394.1	405.7	455.0	582.6
35°	646.0	635.4	576.5	461.1	462.6	485.6	497.4	481.5	442.6	463.2	604.6
37.5°	685.8	672.3	602.6	509.6	583.8	635.4	664.0	627.7	554.7	493.9	637.9
40°	734.1	717.0	636.0	599.3	697.2	779.8	830.5	777.3	670.1	570.8	684.6
42.5°	801.6	783.6	700.9	687.4	802.2	925.1	991.4	912.1	771.8	670.1	759.4
45°	919.2	901.9	819.7	775.7	925.1	1104.1	1197.1	1086.8	875.2	769.8	899.2
47.5°	1136.5	1116.1	996.3	873.5	1065.4	1336.5	1466.6	1305.9	982.6	883.9	1134.1
50°	1397.4	1377.9	1217.8	989.3	1220.3	1585.0	1765.8	1563.4	1106.3	1022.8	1414.8
52.5°	1711.4	1707.7	1534.0	1135.7	1381.5	1850.0	2097.9	1848.6	1241.9	1209.7	1732.8
55°	1994.3	2030.2	1935.6	1358.9	1589.9	2182.9	2439.4	2159.7	1425.8	1518.7	2105.2
57.5°	2146.8	2243.3	2388.6	1814.3	1892.8	2580.8	2860.7	2539.5	1741.8	2033.3	2450.6
60°	2046.1	2155.4	2418.8	2157.2	2193.3	2899.7	3208.5	2858.7	2052.0	2390.4	2431.0
62.5°	1878.6	1976.6	2210.8	1957.0	2239.8	2969.8	3216.7	2914.4	2175.4	2209.2	2196.0
65°	1679.8	1778.7	2026.8	1708.3	2092.0	2803.3	2979.4	2750.7	1953.8	1996.0	2000.9
67.5°	1415.8	1507.1	1759.7	1518.9	1906.9	2558.8	2615.1	2517.4	1799.3	1866.5	1796.2
70°	1057.8	1140.2	1363.2	1234.4	1607.4	2240.4	2194.9	2209.4	1625.8	1692.6	1500.4
72.5°	722.9	784.9	976.1	970.0	1230.9	1793.5	1730.1	1867.3	1357.9	1446.6	1143.8
75°	505.6	553.9	705.6	766.3	930.4	1329.4	1232.1	1397.7	1060.5	1187.1	834.6
77.5°	310.3	342.3	445.6	567.7	598.5	909.8	765.3	1051.7	744.7	865.8	556.7
80°	155.1	170.6	216.5	357.0	396.9	536.1	422.6	610.6	503.9	536.1	308.0
82.5°	46.9	51.8	63.4	135.6	205.7	308.6	249.7	354.7	275.2	251.4	121.3
85°	12.4	14.1	17.5	40.2	72.2	110.7	84.4	171.9	131.9	92.8	45.7
87.5°	1.0	1.0	0.8	0.8	0.4	0.0	0.0	12.2	24.7	14.1	8.0
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°	357.4	357.4	357.4	357.4	357.4	357.4	357.4	357.4	357.4	357.4	357.4
2.5°	389.2	388.3	380.0	373.9	366.7	359.8	352.7	346.4	339.2	332.1	330.0
5°	420.6	414.9	397.1	382.2	367.6	354.7	343.5	331.9	322.5	313.3	309.9
7.5°	448.3	438.3	412.6	390.0	369.6	353.7	337.2	320.3	307.0	294.0	290.7
10°	473.4	460.1	427.7	399.2	376.5	358.4	339.0	316.4	297.2	281.3	277.0
12.5°	491.9	477.4	440.7	407.9	382.2	361.8	342.7	322.7	302.5	281.9	277.2
15°	506.6	491.5	451.5	414.6	382.4	356.1	337.6	330.7	324.3	304.2	295.6
17.5°	518.4	502.5	460.9	418.7	376.9	338.8	322.7	332.9	349.0	336.4	320.3
20°	529.2	513.1	468.1	421.6	364.7	315.0	306.0	327.6	351.9	351.5	337.0
22.5°	541.0	525.3	478.5	423.2	347.6	290.7	296.0	319.9	339.6	345.5	336.6
25°	556.1	542.3	492.9	426.9	328.2	274.0	288.7	309.9	326.4	327.8	322.5
27.5°	573.7	563.3	514.5	435.4	309.5	265.4	280.1	295.8	310.9	311.5	305.2
30°	592.8	585.9	534.5	442.6	295.4	262.8	269.1	281.7	291.3	292.9	287.4
32.5°	617.3	611.2	552.3	437.9	287.0	262.2	258.9	265.4	273.4	273.4	269.1
35°	650.9	642.4	571.0	419.9	276.8	259.7	248.1	249.9	253.4	254.0	251.6
37.5°	698.6	684.6	590.0	384.5	260.1	250.9	235.7	233.4	234.6	236.3	235.7
40°	757.7	734.7	617.7	341.9	240.1	234.0	222.8	218.5	217.5	220.8	222.0
42.5°	832.1	796.9	647.5	302.1	222.0	214.7	207.7	204.1	202.4	207.9	211.2
45°	951.0	892.9	676.0	262.8	211.8	198.1	193.5	190.8	191.6	198.1	202.2
47.5°	1156.3	1039.5	703.1	237.9	211.0	186.3	180.6	181.2	183.5	190.4	195.3
50°	1416.0	1235.8	721.2	227.5	213.4	179.2	171.6	174.9	178.4	185.1	190.8
52.5°	1680.4	1418.6	699.6	221.8	213.2	179.4	163.3	173.1	174.7	181.4	187.5
55°	1862.2	1439.0	604.4	213.0	210.0	187.5	156.8	172.3	173.3	179.4	184.9
57.5°	1931.6	1369.3	460.9	215.5	200.2	193.9	153.9	166.6	173.9	179.2	184.9
60°	1847.8	1237.8	280.1	221.8	184.5	193.5	155.7	156.2	168.8	177.8	183.5
62.5°	1689.8	1069.0	196.7	203.9	173.1	182.7	160.0	143.9	159.8	170.6	175.7
65°	1508.8	870.5	150.0	175.5	167.6	165.9	161.5	133.1	147.6	158.2	162.7
67.5°	1320.2	676.6	121.9	130.9	151.5	150.0	147.6	123.5	133.1	140.7	145.8
70°	1082.7	473.4	102.9	98.3	129.9	134.5	129.0	111.5	114.6	122.3	126.4
72.5°	792.0	295.0	84.6	81.1	104.4	117.6	114.8	98.3	99.7	107.0	110.3
75°	569.6	168.8	67.9	66.9	79.7	100.7	95.0	84.6	86.2	91.7	94.0
77.5°	362.1	94.0	52.4	53.8	57.1	75.2	81.1	72.4	72.4	75.6	77.5
80°	193.9	53.8	38.3	38.9	40.0	57.5	64.0	56.1	56.1	53.8	56.1
82.5°	79.1	31.0	26.3	24.5	26.7	39.3	44.8	35.7	37.3	33.6	34.5
85°	26.1	15.5	13.0	12.8	12.6	17.3	21.6	17.7	21.2	13.5	14.1
87.5°	3.5	2.9	1.6	1.2	1.4	0.6	1.2	1.4	1.4	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°	357.4	357.4	357.4	357.4	357.4	357.4	357.4	357.4	357.4	357.4	357.4
2.5°	328.6	327.0	321.1	322.5	321.5	319.9	321.5	318.4	320.9	321.7	326.8
5°	307.2	303.3	297.6	294.8	294.2	292.5	292.7	291.3	291.7	295.2	300.9
7.5°	288.1	284.4	279.9	277.9	276.0	274.2	274.0	273.8	275.4	278.5	284.0
10°	274.2	272.2	270.3	271.1	270.3	269.5	268.1	268.1	270.7	276.2	283.0
12.5°	274.2	273.8	274.2	276.6	276.4	276.6	274.8	275.8	283.2	292.5	302.1
15°	288.9	285.6	285.6	286.8	286.4	286.4	286.4	290.7	307.4	321.9	332.1
17.5°	306.8	297.2	293.1	292.5	292.3	292.3	293.1	302.3	328.4	343.7	349.6
20°	319.2	301.1	294.4	291.7	291.9	292.3	294.8	307.4	336.2	343.9	342.5
22.5°	321.5	298.0	289.9	286.0	286.6	287.0	290.7	304.2	325.6	326.8	323.9
25°	311.1	289.5	280.7	277.7	278.5	278.3	281.5	291.3	306.6	306.2	304.6
27.5°	295.6	275.8	269.3	267.3	268.7	267.1	268.1	275.6	287.4	287.0	286.4
30°	279.7	262.6	256.7	255.6	257.5	255.0	255.2	261.5	269.7	269.3	269.1
32.5°	263.8	249.3	244.0	244.0	245.9	243.2	243.6	249.1	254.6	253.0	253.0
35°	248.7	238.5	234.2	233.4	234.8	233.0	233.8	238.9	241.0	238.7	237.3
37.5°	235.5	231.0	226.7	223.8	224.0	224.2	226.7	230.6	229.3	226.1	224.2
40°	223.2	223.2	219.1	213.8	213.2	214.7	218.7	223.0	219.6	215.9	213.6
42.5°	214.5	216.3	212.4	207.1	205.9	208.3	212.8	215.9	211.8	207.7	204.7
45°	206.3	210.8	208.1	202.2	200.6	203.5	209.2	210.4	204.9	201.0	198.8
47.5°	200.6	206.7	204.9	199.2	196.7	200.8	206.7	206.5	199.6	195.5	193.7
50°	196.5	204.3	204.1	199.2	196.5	201.6	206.9	204.3	196.7	192.4	190.6
52.5°	193.3	204.1	205.5	202.6	200.8	205.3	208.5	203.5	194.7	190.2	188.8
55°	191.8	204.9	205.9	203.2	201.6	205.7	208.5	205.1	194.7	190.6	189.4
57.5°	192.2	203.9	204.1	200.4	197.5	202.6	207.1	206.1	196.9	192.2	190.8
60°	189.8	198.4	198.8	193.1	189.8	195.9	203.9	203.2	195.9	191.0	188.4
62.5°	181.6	189.2	189.4	184.1	179.4	188.2	196.9	196.7	190.0	185.1	182.0
65°	168.0	175.9	178.0	172.9	169.2	178.6	187.8	187.3	180.6	176.1	173.1
67.5°	151.1	159.6	163.5	160.0	158.6	167.2	175.7	175.5	170.0	165.7	163.1
70°	130.5	137.6	144.1	144.1	143.1	152.9	162.1	161.3	156.2	152.9	150.9
72.5°	113.3	118.8	120.9	122.9	126.0	136.2	143.9	144.5	140.9	139.2	140.9
75°	96.4	99.9	101.7	100.1	105.4	116.0	126.2	127.2	123.3	120.7	121.3
77.5°	79.3	83.2	85.0	81.3	80.9	94.4	106.8	109.1	105.8	101.7	102.9
80°	57.3	62.4	65.4	63.0	62.2	68.1	85.2	87.7	84.6	81.3	83.2
82.5°	35.1	37.9	38.7	41.2	46.3	48.7	54.8	63.0	60.7	57.9	63.0
85°	13.9	16.5	18.3	20.8	24.3	28.7	33.8	40.4	36.7	35.5	41.8
87.5°	0.8	0.2	0.0	0.4	3.5	6.7	14.5	20.0	16.7	17.9	21.6
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°	357.4	357.4	357.4	357.4	357.4	357.4	357.4	357.4	357.4	357.4
2.5°	330.9	336.2	343.3	349.2	356.8	363.9	371.2	378.6	382.4	384.1
5°	307.4	317.2	328.6	341.3	355.9	371.4	387.1	403.2	413.4	414.2
7.5°	293.4	307.4	323.1	339.0	357.2	378.6	403.4	428.3	438.7	441.6
10°	297.8	313.5	326.0	340.9	360.8	387.5	416.9	446.0	458.1	461.5
12.5°	315.8	318.8	322.7	336.4	360.8	395.3	430.8	465.4	478.3	481.5
15°	330.7	316.0	309.0	323.5	355.9	402.0	445.4	483.8	499.2	502.3
17.5°	331.9	306.6	291.5	304.6	347.4	406.7	459.5	504.1	517.2	520.0
20°	319.4	296.6	277.0	285.0	335.8	408.7	469.7	519.0	531.9	534.7
22.5°	305.4	288.5	267.3	266.9	321.7	411.0	481.9	533.1	547.0	548.8
25°	292.1	277.2	259.3	253.6	305.4	415.3	498.4	554.3	564.9	565.5
27.5°	276.6	265.2	253.0	247.5	291.1	423.4	522.9	579.6	585.9	584.9
30°	262.6	254.0	248.5	246.9	282.1	429.5	546.1	604.4	604.8	601.4
32.5°	247.7	244.4	244.4	249.7	274.8	428.1	565.1	628.7	624.8	619.7
35°	234.4	235.0	239.3	251.8	262.6	413.8	583.2	659.1	653.4	646.0
37.5°	221.8	226.5	232.6	244.6	246.5	392.6	604.4	702.1	695.0	685.8
40°	211.0	218.1	225.3	231.2	229.3	362.5	634.0	752.6	744.7	734.1
42.5°	202.4	209.4	217.3	217.9	218.5	331.1	665.4	814.6	813.2	801.6
45°	196.9	201.4	209.0	207.9	217.9	296.4	694.3	909.2	928.0	919.2
47.5°	193.3	196.7	197.5	201.8	223.2	265.4	731.6	1094.3	1146.5	1136.5
50°	191.2	194.7	185.5	202.2	224.0	245.4	783.2	1326.7	1410.7	1397.4
52.5°	191.0	190.2	176.3	206.5	219.6	233.2	810.1	1496.3	1682.6	1711.4
55°	191.4	181.2	171.6	207.7	210.6	228.7	720.0	1577.9	1933.6	1994.3
57.5°	187.8	171.4	174.3	202.8	193.7	240.8	532.3	1548.7	2033.9	2146.8
60°	180.8	162.1	179.2	189.6	176.3	220.2	366.5	1418.6	1929.9	2046.1
62.5°	170.8	155.5	178.6	172.5	170.0	180.2	252.0	1236.6	1765.0	1878.6
65°	159.6	150.2	169.0	156.0	157.4	138.6	178.2	1031.1	1568.1	1679.8
67.5°	147.6	147.0	154.9	138.8	132.9	109.9	129.9	826.4	1315.1	1415.8
70°	133.9	138.4	140.9	123.3	107.8	86.2	96.4	577.9	970.2	1057.8
72.5°	120.3	120.7	124.1	107.2	80.7	69.1	72.4	350.0	659.1	722.9
75°	106.4	102.5	105.8	87.3	60.1	56.7	55.9	216.3	455.2	505.6
77.5°	91.5	87.3	83.0	65.6	48.3	43.8	42.8	121.3	279.3	310.3
80°	74.4	68.7	62.0	48.1	35.3	31.4	31.2	59.1	139.2	155.1
82.5°	57.9	47.1	45.3	30.0	21.8	19.2	20.4	22.6	42.0	46.9
85°	40.6	34.2	24.1	12.0	9.8	8.0	7.7	6.7	11.2	12.4
87.5°	22.6	14.9	7.7	1.4	1.6	1.8	1.4	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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