

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: P629956

Luminaire Tested: GWS-SA1C-760-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629956
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-SA1C-760-U-SLL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2936.1 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

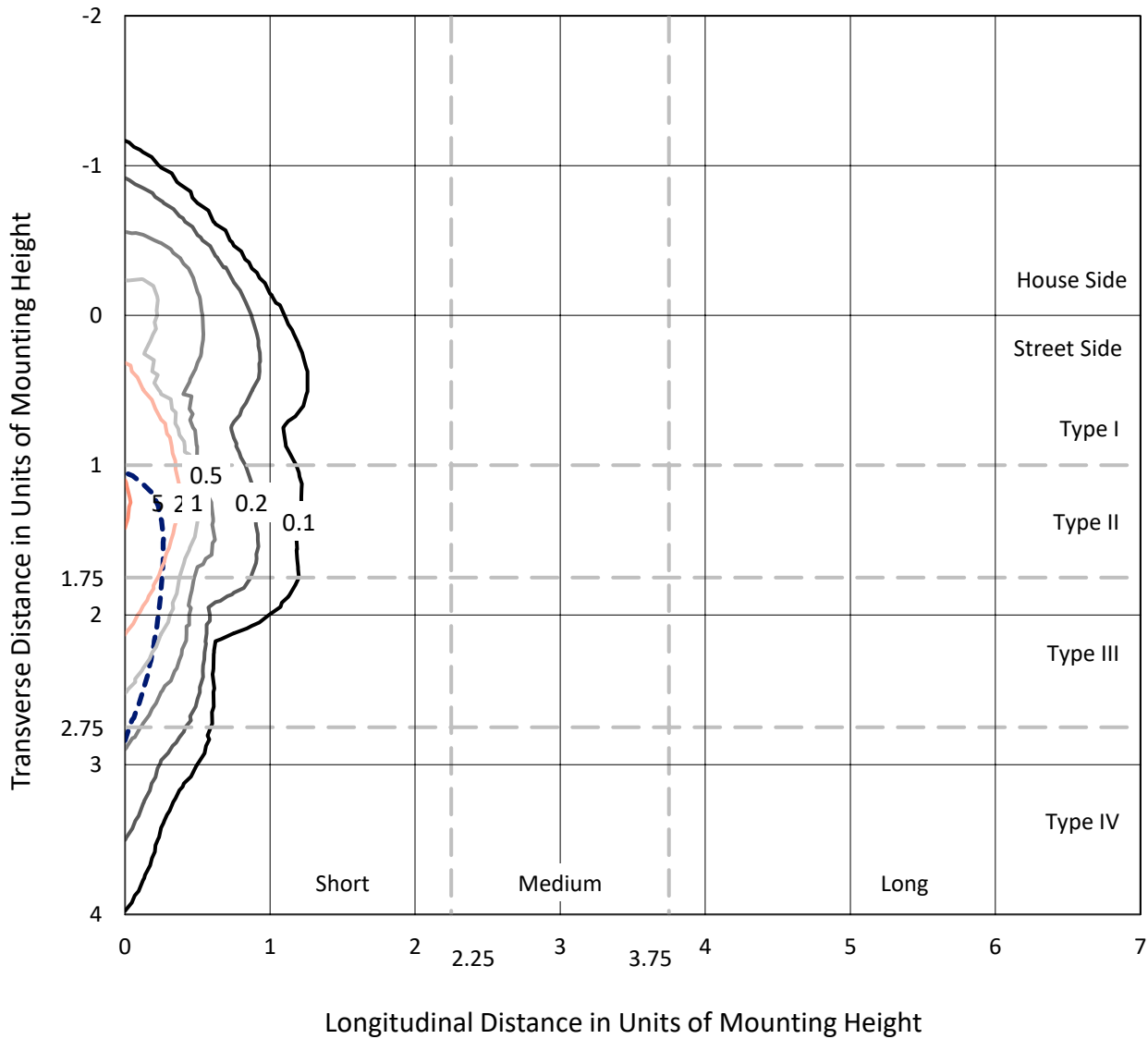
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

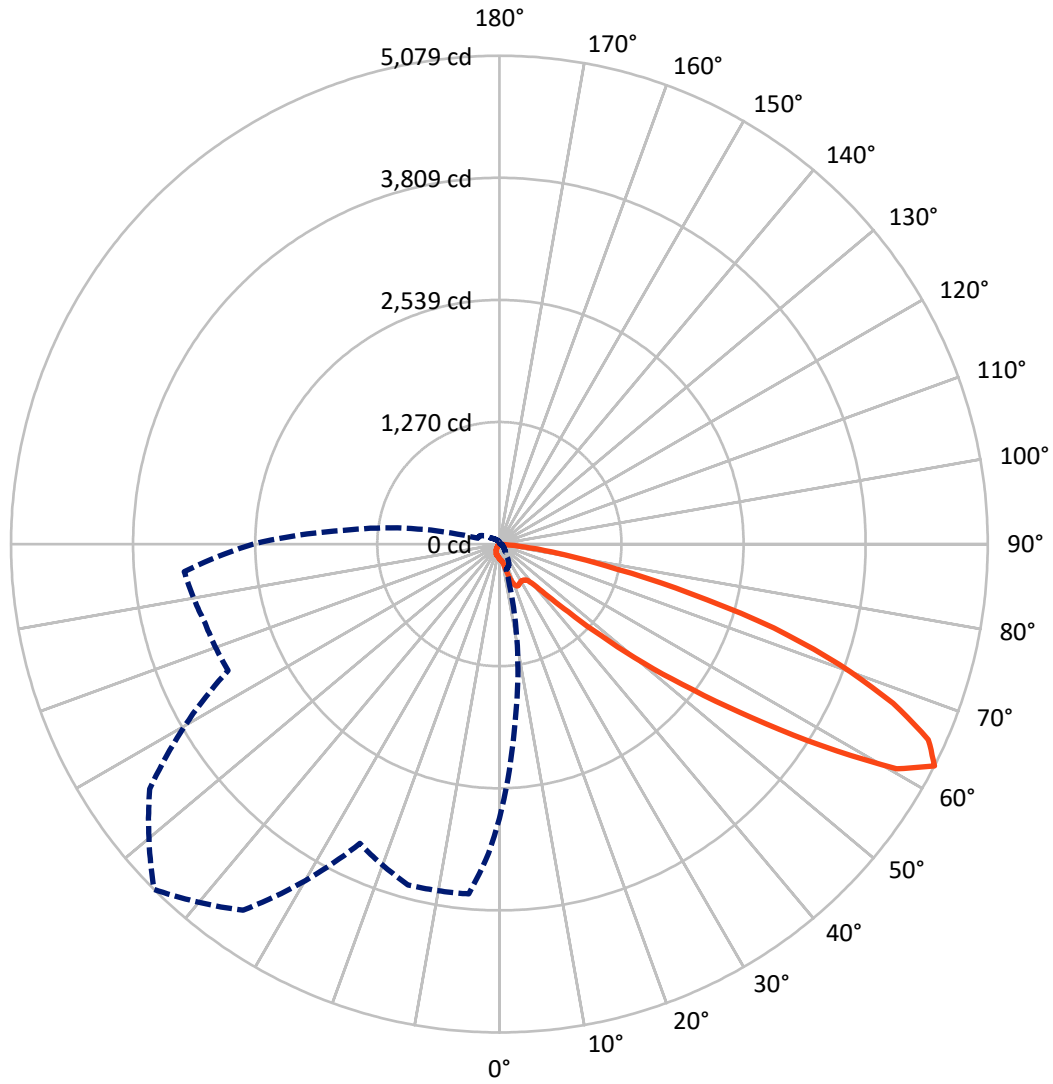
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 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
House Side	Lumens	341.1	0.0	341.1
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	2595.0	0.0	2595.0
	% Fixture	88.4	0.0	88.4
Total	Lumens	2936.1	0.0	2936.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.1	0.4
10°-20°	45.1	1.5
20°-30°	101.8	3.5
30°-40°	175.4	6.0
40°-50°	330.9	11.3
50°-60°	738.7	25.2
60°-70°	988.1	33.7
70°-80°	495.5	16.9
80°-90°	47.5	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°	2936.1	100.0
0°-180°	2936.1	100.0

Coefficient of Utilization



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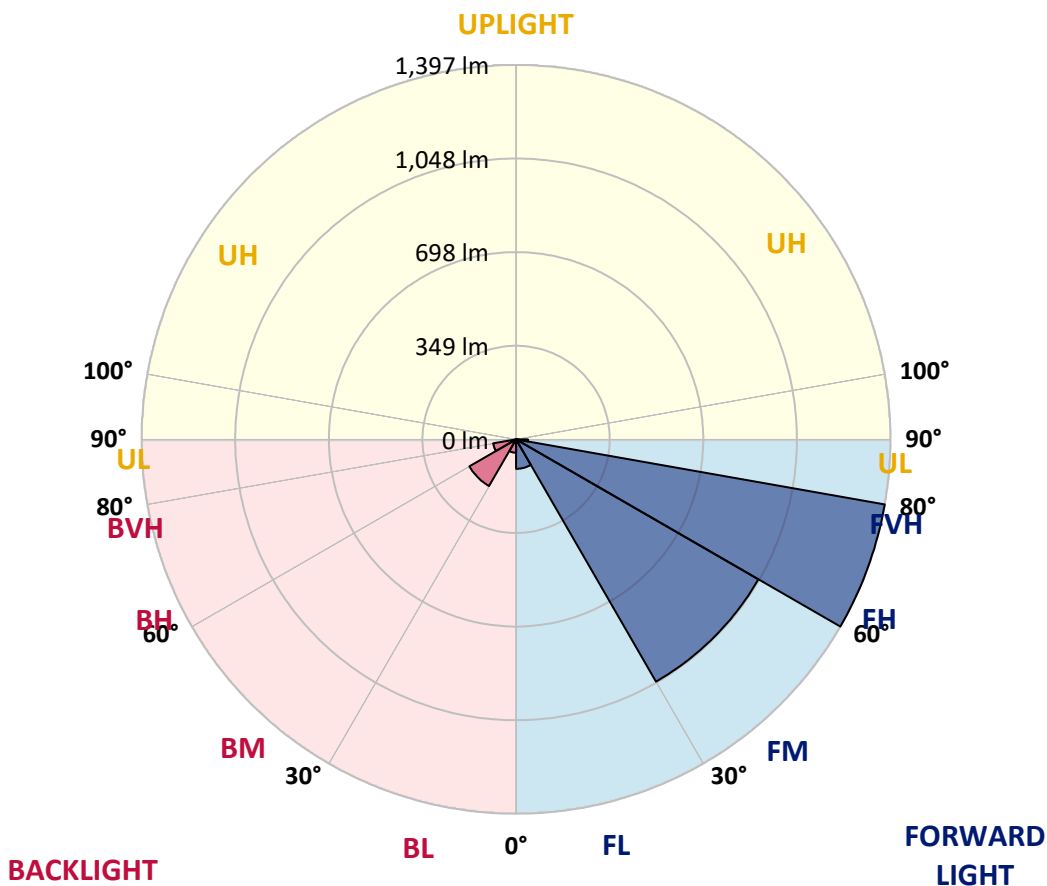
CATALOG NUMBER: GWS-SA1C-760-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	110.0	3.7			
FM (30°-60°)	1043.9	35.6			
FH (60°-80°)	1396.8	47.6			G1/1800
FVH (80°-90°)	44.3	1.5			G1/100
BL (0°-30°)	50.1	1.7	B0/110		
BM (30°-60°)	201.2	6.9	B0/220		
BH (60°-80°)	86.7	3.0	B0/110		G0/110
BVH (80°-90°)	3.2	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3
2.5°	150.5	150.2	149.5	147.4	145.7	144.6	142.5	142.5	142.2	141.5	140.1
5°	145.7	144.3	142.9	139.1	134.9	132.5	129.7	129.3	129.3	128.6	128.3
7.5°	138.0	136.6	134.9	128.6	124.8	122.4	119.9	119.6	118.5	118.5	118.5
10°	133.8	131.8	129.0	122.0	118.2	116.1	114.4	113.3	112.6	111.6	111.2
12.5°	142.9	139.1	133.1	120.6	115.4	112.6	110.6	109.9	107.8	106.4	105.3
15°	171.0	161.7	149.8	123.8	114.4	110.2	107.4	106.0	104.3	101.9	100.1
17.5°	217.3	203.7	183.9	133.8	113.3	108.1	104.6	102.2	99.8	97.0	94.9
20°	281.2	261.1	237.4	152.3	113.3	105.7	101.5	98.4	94.9	91.8	89.3
22.5°	362.6	342.4	302.1	183.6	114.7	102.6	97.7	93.5	89.3	86.6	83.8
25°	453.7	425.2	387.6	221.5	118.5	98.4	93.2	89.0	85.2	81.7	78.6
27.5°	555.2	524.3	474.2	275.3	126.9	94.2	88.3	84.5	81.0	77.5	73.4
30°	648.7	630.3	579.2	340.0	140.5	91.4	84.5	81.0	77.5	73.0	69.2
32.5°	761.0	728.3	686.3	413.7	158.5	88.7	81.3	76.5	73.7	69.5	65.4
35°	874.0	846.2	790.9	504.4	178.7	85.9	77.5	73.0	70.6	65.7	61.2
37.5°	990.5	984.2	929.6	604.9	198.5	82.7	73.0	70.2	67.8	62.2	57.0
40°	1105.2	1093.7	1043.3	719.6	210.7	79.3	69.2	67.4	64.7	58.4	52.5
42.5°	1215.0	1206.3	1157.3	829.5	208.9	76.1	65.4	63.3	61.2	54.9	47.6
45°	1349.9	1335.7	1273.8	910.8	191.2	79.6	61.5	58.1	57.7	51.8	42.8
47.5°	1602.3	1555.4	1450.4	973.4	173.5	88.7	57.4	53.2	55.6	48.7	37.9
50°	1955.9	1900.6	1748.7	1022.1	173.1	100.5	56.7	48.7	53.9	46.2	33.7
52.5°	2311.2	2213.8	2029.2	1048.2	186.0	109.2	62.9	44.2	51.8	43.8	30.6
55°	2651.5	2449.5	2146.7	961.9	196.1	118.5	74.4	41.7	48.0	41.0	28.9
57.5°	2975.9	2639.0	2197.8	761.0	229.8	122.4	81.3	42.8	42.4	37.5	27.5
60°	3020.4	2630.0	2094.6	442.6	253.4	115.8	78.6	47.6	37.2	33.4	25.0
62.5°	2852.1	2455.1	1859.2	276.0	235.4	113.3	69.9	54.2	33.7	29.6	21.9
65°	2596.6	2180.8	1550.2	178.0	178.3	125.8	61.2	53.2	31.6	26.1	18.8
67.5°	2197.1	1825.2	1221.3	119.2	100.8	107.4	53.5	36.5	30.9	22.2	14.6
70°	1603.7	1299.2	795.1	79.6	60.1	85.9	44.8	26.1	29.2	18.4	10.4
72.5°	1172.3	872.9	443.9	52.1	34.1	50.1	33.0	18.8	22.6	13.6	7.3
75°	843.7	600.7	253.4	33.4	22.6	27.5	21.6	12.9	14.6	10.8	6.6
77.5°	406.1	292.7	115.1	18.4	15.3	13.9	11.5	8.0	9.0	9.7	5.9
80°	15.3	11.5	8.7	9.0	9.7	6.3	5.2	4.2	5.2	6.6	3.1
82.5°	0.0	0.0	0.0	1.0	1.4	1.7	2.1	1.7	2.1	2.4	0.3
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°	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3
2.5°	141.1	140.5	141.1	141.8	142.5	143.2	142.2	142.9	143.6	141.8	142.5
5°	130.0	129.7	131.8	132.8	134.2	134.9	134.2	134.2	133.8	131.8	131.8
7.5°	120.3	120.6	122.4	124.8	126.5	127.6	126.9	126.5	125.5	122.4	122.4
10°	113.0	113.0	115.8	117.9	120.3	121.3	120.6	119.6	118.5	115.4	115.1
12.5°	107.1	107.1	109.2	112.6	115.4	116.8	116.5	115.1	113.3	110.2	109.9
15°	101.5	101.2	104.3	107.4	111.2	113.0	112.3	111.2	108.1	105.3	104.6
17.5°	96.0	95.6	98.4	102.6	106.7	109.2	108.8	106.4	103.6	100.1	99.4
20°	90.4	89.7	93.2	97.3	101.5	103.9	103.3	101.2	97.7	94.2	93.5
22.5°	84.8	84.5	86.9	90.4	94.2	96.3	96.0	94.2	90.7	87.6	87.6
25°	78.6	78.6	80.3	82.7	85.5	86.6	86.9	86.2	84.1	82.4	82.4
27.5°	73.4	72.3	73.0	73.7	75.1	76.8	76.8	77.5	77.9	77.2	77.5
30°	69.2	67.4	66.4	65.0	64.3	65.0	65.7	68.1	70.6	72.0	72.7
32.5°	64.3	62.2	59.4	55.6	53.2	52.5	54.6	59.1	63.6	66.7	68.5
35°	59.4	56.7	51.5	45.9	42.8	41.7	44.2	49.4	56.0	61.5	64.0
37.5°	54.6	50.8	43.5	36.9	33.4	32.7	35.1	40.7	48.3	56.0	59.1
40°	49.0	44.5	35.8	28.9	26.1	25.4	27.5	33.0	41.0	49.7	54.6
42.5°	43.5	37.9	28.9	22.9	20.2	20.2	22.9	27.1	34.4	43.8	49.7
45°	37.9	32.0	23.6	18.4	16.7	17.0	18.8	22.9	28.9	38.6	44.2
47.5°	32.7	27.5	19.5	15.3	13.9	14.3	16.3	19.8	24.7	33.4	39.3
50°	28.2	23.3	17.0	12.9	11.8	12.5	14.6	17.7	21.9	29.6	34.4
52.5°	25.4	20.9	15.6	11.1	10.4	11.1	13.2	16.0	19.8	26.1	30.9
55°	24.0	20.5	15.6	10.1	9.0	9.7	11.8	14.6	17.7	23.6	27.8
57.5°	23.6	21.2	16.7	9.0	7.6	8.3	10.4	13.2	16.3	21.6	25.0
60°	22.2	20.2	16.3	7.3	5.9	7.0	8.7	11.5	14.9	20.2	23.3
62.5°	19.5	17.7	14.3	5.9	4.5	5.2	7.3	10.1	13.6	18.4	21.9
65°	16.0	14.3	11.1	3.8	2.8	3.5	5.6	8.7	11.8	16.7	19.8
67.5°	11.8	10.1	7.6	2.4	1.4	2.4	4.5	7.3	10.8	14.9	18.1
70°	7.3	5.9	4.2	1.4	1.0	2.1	4.2	7.0	9.7	13.9	17.0
72.5°	4.2	2.8	1.7	0.7	1.0	2.1	4.2	7.0	9.4	13.2	16.0
75°	3.1	1.7	0.7	0.3	0.7	1.7	3.8	6.3	9.0	12.5	15.3
77.5°	2.1	1.0	0.3	0.0	0.3	1.4	3.5	5.9	8.3	11.8	14.6
80°	0.3	0.0	0.0	0.0	0.0	1.0	3.1	5.2	7.6	10.4	12.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.3	2.4	4.5	6.6	8.7	10.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	3.5	5.2	6.6	7.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.5	4.2	4.9
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°	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3
2.5°	142.2	144.3	144.3	145.7	147.4	150.5	152.3	154.7	156.4	158.2	158.9
5°	131.4	131.8	132.1	132.8	134.9	138.4	141.5	145.3	149.8	153.3	155.4
7.5°	122.4	122.4	122.4	123.4	125.5	127.9	131.1	136.3	141.5	145.7	149.1
10°	114.7	115.8	116.1	117.9	120.3	123.4	126.9	131.4	137.3	142.9	149.1
12.5°	109.9	110.9	112.6	114.4	116.8	120.3	124.1	130.0	142.2	153.7	166.9
15°	105.3	106.7	108.8	111.2	114.0	117.9	122.0	134.2	162.7	184.3	205.1
17.5°	100.5	102.6	105.3	107.8	111.2	115.4	120.6	144.3	200.2	236.1	271.5
20°	94.2	97.0	100.1	103.9	108.1	113.0	120.6	165.1	254.5	305.9	352.9
22.5°	88.3	91.1	94.9	99.8	104.6	109.5	122.4	196.8	324.4	389.4	448.8
25°	83.4	86.9	90.7	94.9	100.5	106.0	126.5	241.3	408.5	492.3	534.3
27.5°	78.9	83.1	86.9	90.4	95.3	101.5	135.9	300.7	507.9	593.1	626.1
30°	74.4	79.3	83.1	86.6	91.4	98.0	150.2	376.5	618.5	701.2	704.7
32.5°	70.6	75.1	79.6	83.1	87.6	95.3	170.0	465.2	731.8	811.8	779.1
35°	66.4	71.6	75.8	79.6	84.5	92.8	192.9	560.8	846.2	913.3	853.1
37.5°	62.2	68.1	73.4	76.1	81.0	90.4	209.6	660.5	963.0	1012.4	918.1
40°	58.4	65.0	70.9	73.7	76.1	87.3	212.1	762.7	1081.5	1110.0	979.3
42.5°	54.2	61.5	66.7	70.6	72.7	85.2	197.5	849.0	1181.0	1207.4	1059.3
45°	49.7	58.4	62.6	65.4	69.5	86.6	178.7	915.7	1294.6	1340.2	1191.0
47.5°	45.2	54.9	58.4	60.5	66.1	94.9	171.7	960.2	1482.0	1576.6	1413.2
50°	41.0	51.8	55.6	55.3	65.4	105.7	179.4	993.9	1763.6	1874.9	1717.7
52.5°	36.5	48.3	52.8	51.5	70.6	114.0	194.7	1020.7	1980.2	2224.6	2126.9
55°	32.7	44.5	48.7	48.3	80.3	120.3	206.5	879.6	2069.9	2549.7	2587.9
57.5°	29.9	40.3	43.8	49.7	86.6	120.3	238.8	624.4	2071.6	2788.8	3199.8
60°	27.5	36.5	38.9	54.6	84.1	114.0	236.4	382.4	1909.3	2772.5	3525.2
62.5°	25.4	33.0	36.2	56.0	74.4	113.0	213.5	237.1	1628.4	2561.5	3289.1
65°	23.6	30.2	34.8	51.5	67.4	121.0	143.9	170.3	1320.7	2320.9	3018.3
67.5°	21.9	27.8	36.9	42.1	61.2	108.1	103.9	121.0	1036.7	2057.0	2769.7
70°	20.5	26.4	38.9	34.4	53.5	84.5	73.7	91.8	793.7	1716.3	2419.6
72.5°	19.5	24.7	32.7	27.1	43.5	65.4	51.5	66.7	518.7	1339.8	1972.6
75°	18.4	22.6	24.0	21.9	32.3	42.8	38.9	44.8	309.1	979.3	1496.6
77.5°	18.1	21.2	19.5	17.7	21.9	25.4	29.6	30.2	150.9	489.8	784.3
80°	16.0	19.1	16.7	14.6	14.9	16.7	21.9	20.2	34.4	124.5	209.3
82.5°	12.5	14.9	13.9	12.2	12.2	12.2	14.6	13.6	11.1	56.0	94.6
85°	8.7	10.4	10.4	9.7	9.4	9.4	9.0	8.7	3.1	3.5	5.2
87.5°	5.9	7.3	7.6	7.3	6.3	5.6	4.9	4.2	1.4	0.0	0.7
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°	358°	360°
0°	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3
2.5°	161.3	162.4	162.4	161.0	159.9	157.1	154.4	151.6	150.9	150.5
5°	161.3	165.5	167.6	167.2	164.8	160.3	154.4	148.1	146.4	145.7
7.5°	158.9	166.9	173.1	174.2	169.7	161.7	150.9	141.5	139.1	138.0
10°	164.4	180.1	192.6	194.3	189.1	173.5	156.1	140.1	136.3	133.8
12.5°	194.3	220.1	235.4	242.7	232.6	212.8	183.9	155.4	146.7	142.9
15°	254.8	291.3	320.5	320.5	311.1	276.0	239.5	193.3	181.5	171.0
17.5°	332.4	378.2	404.0	401.2	386.9	362.3	318.4	252.0	228.1	217.3
20°	420.7	448.1	454.0	452.3	446.0	431.8	401.5	330.3	297.9	281.2
22.5°	497.1	489.8	481.1	474.2	472.5	476.6	472.5	417.5	392.1	362.6
25°	548.9	507.6	481.5	469.0	474.9	498.9	525.0	504.4	484.3	453.7
27.5°	577.1	505.5	467.9	455.1	465.2	499.2	555.9	590.7	569.8	555.2
30°	592.4	503.7	459.2	446.7	462.0	504.8	577.4	671.3	672.0	648.7
32.5°	614.3	514.9	461.0	449.5	470.0	521.5	604.6	753.4	773.5	761.0
35°	639.0	531.9	469.0	458.5	483.9	543.7	634.8	836.1	878.2	874.0
37.5°	662.3	551.0	487.8	477.7	505.1	562.8	664.0	917.4	975.9	990.5
40°	686.6	577.8	545.5	555.2	570.5	593.1	690.1	988.0	1083.3	1105.2
42.5°	744.0	670.6	720.0	738.4	740.5	693.9	747.1	1078.4	1189.0	1215.0
45°	871.9	835.7	977.2	1003.3	989.8	848.6	884.4	1208.8	1336.7	1349.9
47.5°	1033.6	1050.2	1329.4	1419.5	1338.1	1031.1	1050.9	1483.1	1607.2	1602.3
50°	1222.0	1300.9	1729.2	1941.6	1746.9	1268.2	1242.8	1820.3	1970.8	1955.9
52.5°	1444.8	1592.2	2209.7	2511.4	2327.2	1534.9	1524.4	2267.0	2358.8	2311.2
55°	1725.4	1873.5	2762.4	3184.1	2922.0	1860.3	1896.1	2785.0	2802.7	2651.5
57.5°	2144.0	2240.3	3413.9	3955.6	3542.9	2302.5	2562.2	3474.4	3262.3	2975.9
60°	2903.9	2712.0	4043.5	4744.7	4203.4	2924.4	3440.7	3882.9	3415.3	3020.4
62.5°	3168.5	3112.5	4437.7	5078.5	4647.7	3435.1	3669.1	3651.4	3217.1	2852.1
65°	2767.6	3012.7	4367.2	4902.2	4590.7	3351.0	3292.6	3395.8	2994.0	2596.6
67.5°	2556.6	2778.4	4099.8	4415.8	4274.7	3065.6	2934.9	2906.7	2513.5	2197.1
70°	2343.9	2563.6	3712.2	3751.5	3685.8	2600.4	2428.7	2239.9	1878.7	1603.7
72.5°	2088.0	2209.0	3174.4	2988.0	2913.6	2042.4	2006.3	1686.8	1408.3	1172.3
75°	1821.0	1785.9	2474.9	2050.8	2106.4	1589.1	1694.4	1238.7	1031.8	843.7
77.5°	1324.5	1298.5	1657.6	1245.6	1379.5	1040.9	935.2	494.4	470.7	406.1
80°	739.1	891.0	895.2	698.1	870.9	678.6	234.0	16.3	10.4	15.3
82.5°	343.5	383.1	485.3	323.7	496.8	336.2	48.3	0.0	0.0	0.0
85°	111.2	162.7	136.3	47.6	120.3	113.7	8.0	0.0	0.0	0.0
87.5°	6.6	13.6	3.5	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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