

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: P630121

Luminaire Tested: GWS-SA1D-722-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630121
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-SA1D-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2704.4 lumens
Efficiency: N/A
Efficacy: 61.0 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

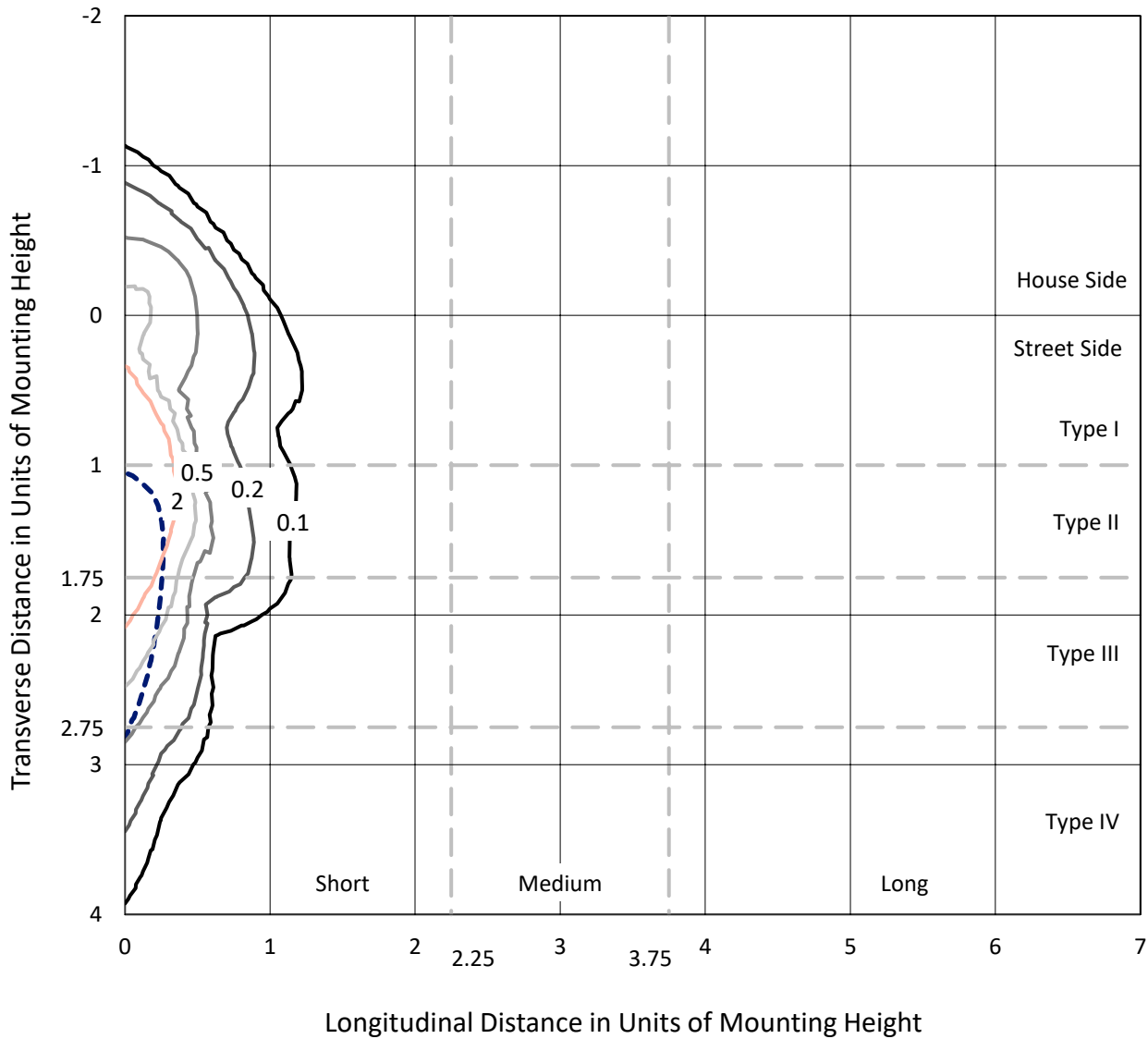
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

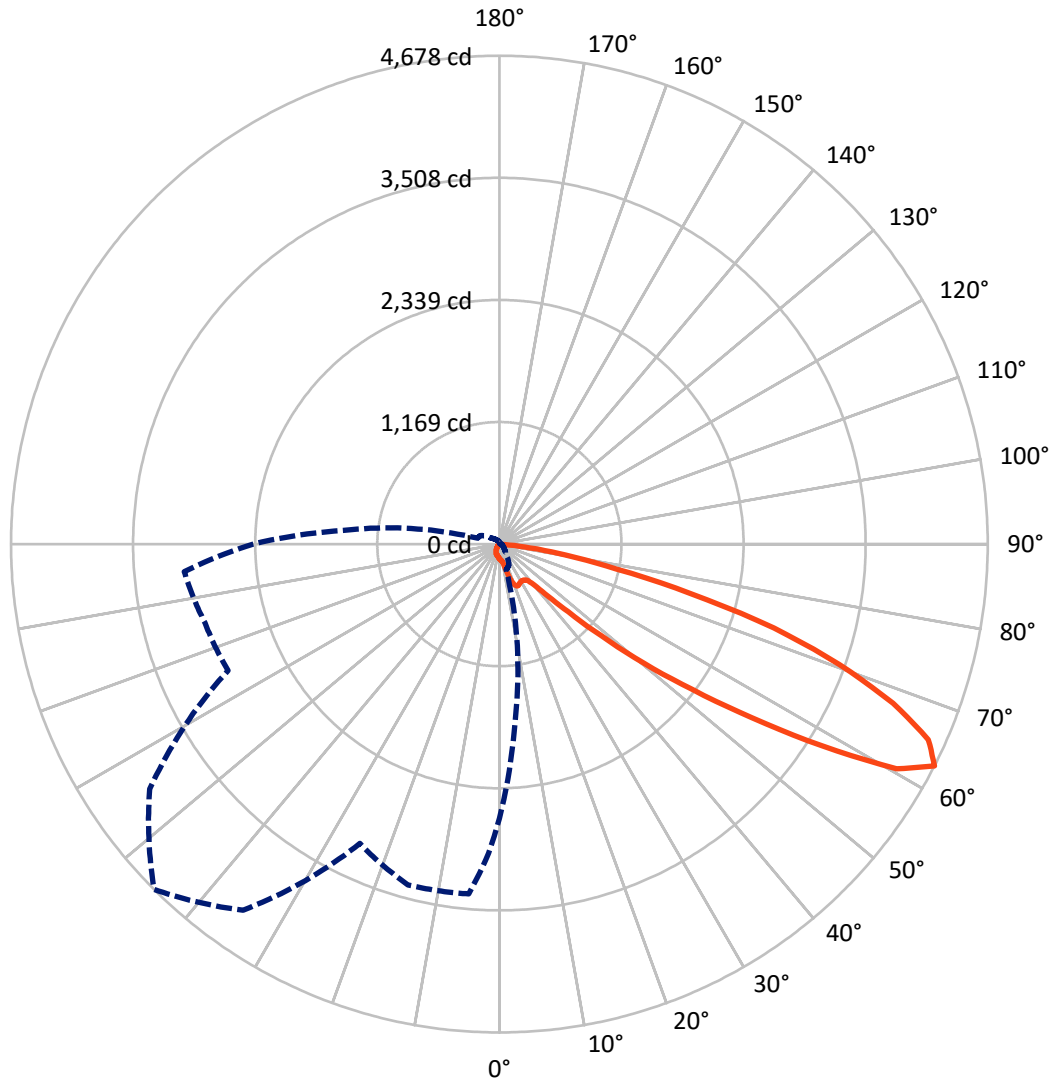
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.8 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	314.2	0.0	314.2
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	2390.2	0.0	2390.2
	% Fixture	88.4	0.0	88.4
Total	Lumens	2704.4	0.0	2704.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.1	0.4
10°-20°	41.5	1.5
20°-30°	93.8	3.5
30°-40°	161.6	6.0
40°-50°	304.8	11.3
50°-60°	680.4	25.2
60°-70°	910.1	33.7
70°-80°	456.4	16.9
80°-90°	43.7	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°	2704.4	100.0
0°-180°	2704.4	100.0

Coefficient of Utilization



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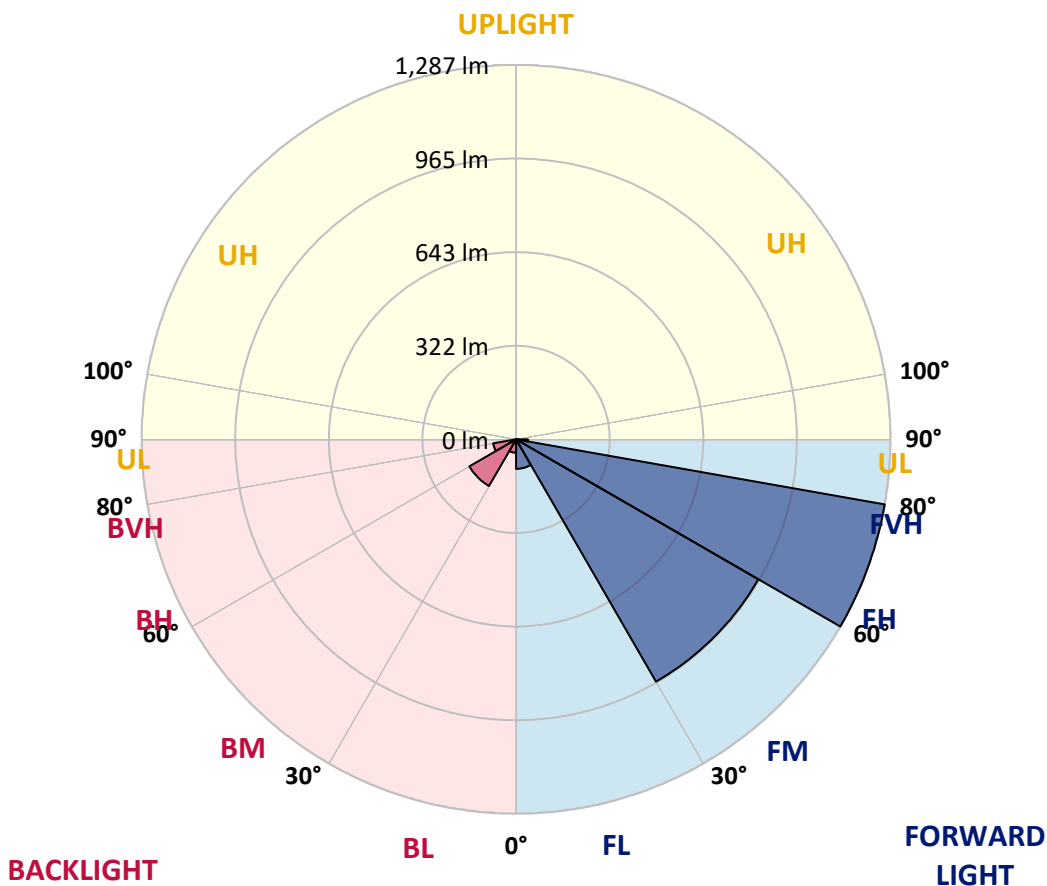
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	101.3	3.7			
FM (30°-60°)	961.5	35.6			
FH (60°-80°)	1286.6	47.6			G1/1800
FVH (80°-90°)	40.8	1.5			G1/100
BL (0°-30°)	46.1	1.7	B0/110		
BM (30°-60°)	185.3	6.9	B0/220		
BH (60°-80°)	79.9	3.0	B0/110		G0/110
BVH (80°-90°)	2.9	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°	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3
2.5°	138.7	138.3	137.7	135.8	134.2	133.2	131.3	131.3	131.0	130.3	129.0
5°	134.2	132.9	131.6	128.1	124.2	122.0	119.4	119.1	119.1	118.5	118.2
7.5°	127.1	125.8	124.2	118.5	115.0	112.7	110.5	110.2	109.2	109.2	109.2
10°	123.3	121.4	118.8	112.4	108.9	107.0	105.4	104.4	103.7	102.8	102.5
12.5°	131.6	128.1	122.6	111.1	106.3	103.7	101.8	101.2	99.3	98.0	97.0
15°	157.5	148.9	138.0	114.0	105.4	101.5	98.9	97.7	96.1	93.8	92.2
17.5°	200.1	187.6	169.4	123.3	104.4	99.6	96.4	94.1	91.9	89.3	87.4
20°	259.1	240.5	218.7	140.3	104.4	97.3	93.5	90.6	87.4	84.5	82.3
22.5°	334.0	315.4	278.3	169.1	105.7	94.5	90.0	86.1	82.3	79.7	77.2
25°	417.9	391.6	357.0	204.0	109.2	90.6	85.8	82.0	78.5	75.3	72.4
27.5°	511.4	482.9	436.8	253.6	116.9	86.8	81.3	77.8	74.6	71.4	67.6
30°	597.5	580.5	533.5	313.2	129.4	84.2	77.8	74.6	71.4	67.2	63.7
32.5°	701.0	670.8	632.1	381.1	146.0	81.7	74.9	70.4	67.9	64.0	60.2
35°	805.0	779.4	728.5	464.6	164.6	79.1	71.4	67.2	65.0	60.5	56.4
37.5°	912.3	906.5	856.3	557.2	182.8	76.2	67.2	64.7	62.4	57.3	52.5
40°	1018.0	1007.4	961.0	662.8	194.1	73.0	63.7	62.1	59.6	53.8	48.4
42.5°	1119.2	1111.1	1066.0	764.0	192.4	70.1	60.2	58.3	56.4	50.6	43.9
45°	1243.4	1230.3	1173.3	839.0	176.1	73.3	56.7	53.5	53.2	47.7	39.4
47.5°	1475.9	1432.6	1335.9	896.6	159.8	81.7	52.8	49.0	51.2	44.8	34.9
50°	1801.5	1750.6	1610.7	941.4	159.5	92.5	52.2	44.8	49.6	42.6	31.1
52.5°	2128.8	2039.1	1869.1	965.4	171.3	100.5	58.0	40.7	47.7	40.3	28.2
55°	2442.3	2256.2	1977.3	886.0	180.6	109.2	68.5	38.4	44.2	37.8	26.6
57.5°	2741.0	2430.8	2024.4	701.0	211.7	112.7	74.9	39.4	39.1	34.6	25.3
60°	2782.0	2422.4	1929.3	407.6	233.4	106.6	72.4	43.9	34.3	30.7	23.1
62.5°	2627.0	2261.4	1712.5	254.3	216.8	104.4	64.4	50.0	31.1	27.2	20.2
65°	2391.7	2008.7	1427.8	163.9	164.3	115.9	56.4	49.0	29.1	24.0	17.3
67.5°	2023.8	1681.1	1124.9	109.8	92.9	98.9	49.3	33.6	28.5	20.5	13.4
70°	1477.2	1196.6	732.3	73.3	55.4	79.1	41.3	24.0	26.9	17.0	9.6
72.5°	1079.8	804.1	408.9	48.0	31.4	46.1	30.4	17.3	20.8	12.5	6.7
75°	777.2	553.3	233.4	30.7	20.8	25.3	19.9	11.8	13.4	9.9	6.1
77.5°	374.0	269.6	106.0	17.0	14.1	12.8	10.6	7.4	8.3	9.0	5.4
80°	14.1	10.6	8.0	8.3	9.0	5.8	4.8	3.8	4.8	6.1	2.9
82.5°	0.0	0.0	0.0	1.0	1.3	1.6	1.9	1.6	1.9	2.2	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°	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3
2.5°	130.0	129.4	130.0	130.6	131.3	131.9	131.0	131.6	132.2	130.6	131.3
5°	119.8	119.4	121.4	122.3	123.6	124.2	123.6	123.6	123.3	121.4	121.4
7.5°	110.8	111.1	112.7	115.0	116.6	117.5	116.9	116.6	115.6	112.7	112.7
10°	104.1	104.1	106.6	108.6	110.8	111.8	111.1	110.2	109.2	106.3	106.0
12.5°	98.6	98.6	100.5	103.7	106.3	107.6	107.3	106.0	104.4	101.5	101.2
15°	93.5	93.2	96.1	98.9	102.5	104.1	103.4	102.5	99.6	97.0	96.4
17.5°	88.4	88.1	90.6	94.5	98.3	100.5	100.2	98.0	95.4	92.2	91.6
20°	83.3	82.6	85.8	89.7	93.5	95.7	95.1	93.2	90.0	86.8	86.1
22.5°	78.1	77.8	80.1	83.3	86.8	88.7	88.4	86.8	83.6	80.7	80.7
25°	72.4	72.4	74.0	76.2	78.8	79.7	80.1	79.4	77.5	75.9	75.9
27.5°	67.6	66.6	67.2	67.9	69.2	70.8	70.8	71.4	71.7	71.1	71.4
30°	63.7	62.1	61.2	59.9	59.2	59.9	60.5	62.8	65.0	66.3	66.9
32.5°	59.2	57.3	54.8	51.2	49.0	48.4	50.3	54.4	58.6	61.5	63.1
35°	54.8	52.2	47.4	42.3	39.4	38.4	40.7	45.5	51.6	56.7	58.9
37.5°	50.3	46.8	40.0	33.9	30.7	30.1	32.3	37.5	44.5	51.6	54.4
40°	45.2	41.0	33.0	26.6	24.0	23.4	25.3	30.4	37.8	45.8	50.3
42.5°	40.0	34.9	26.6	21.1	18.6	18.6	21.1	25.0	31.7	40.3	45.8
45°	34.9	29.5	21.8	17.0	15.4	15.7	17.3	21.1	26.6	35.5	40.7
47.5°	30.1	25.3	17.9	14.1	12.8	13.1	15.1	18.3	22.7	30.7	36.2
50°	25.9	21.5	15.7	11.8	10.9	11.5	13.4	16.3	20.2	27.2	31.7
52.5°	23.4	19.2	14.4	10.2	9.6	10.2	12.2	14.7	18.3	24.0	28.5
55°	22.1	18.9	14.4	9.3	8.3	9.0	10.9	13.4	16.3	21.8	25.6
57.5°	21.8	19.5	15.4	8.3	7.0	7.7	9.6	12.2	15.1	19.9	23.1
60°	20.5	18.6	15.1	6.7	5.4	6.4	8.0	10.6	13.8	18.6	21.5
62.5°	17.9	16.3	13.1	5.4	4.2	4.8	6.7	9.3	12.5	17.0	20.2
65°	14.7	13.1	10.2	3.5	2.6	3.2	5.1	8.0	10.9	15.4	18.3
67.5°	10.9	9.3	7.0	2.2	1.3	2.2	4.2	6.7	9.9	13.8	16.7
70°	6.7	5.4	3.8	1.3	1.0	1.9	3.8	6.4	9.0	12.8	15.7
72.5°	3.8	2.6	1.6	0.6	1.0	1.9	3.8	6.4	8.6	12.2	14.7
75°	2.9	1.6	0.6	0.3	0.6	1.6	3.5	5.8	8.3	11.5	14.1
77.5°	1.9	1.0	0.3	0.0	0.3	1.3	3.2	5.4	7.7	10.9	13.4
80°	0.3	0.0	0.0	0.0	0.0	1.0	2.9	4.8	7.0	9.6	11.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.3	2.2	4.2	6.1	8.0	9.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	3.2	4.8	6.1	6.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.8	4.5
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°	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3
2.5°	131.0	132.9	132.9	134.2	135.8	138.7	140.3	142.5	144.1	145.7	146.3
5°	121.0	121.4	121.7	122.3	124.2	127.4	130.3	133.8	138.0	141.2	143.1
7.5°	112.7	112.7	112.7	113.7	115.6	117.8	120.7	125.5	130.3	134.2	137.4
10°	105.7	106.6	107.0	108.6	110.8	113.7	116.9	121.0	126.5	131.6	137.4
12.5°	101.2	102.1	103.7	105.4	107.6	110.8	114.3	119.8	131.0	141.5	153.7
15°	97.0	98.3	100.2	102.5	105.0	108.6	112.4	123.6	149.9	169.7	188.9
17.5°	92.5	94.5	97.0	99.3	102.5	106.3	111.1	132.9	184.4	217.4	250.1
20°	86.8	89.3	92.2	95.7	99.6	104.1	111.1	152.1	234.4	281.8	325.0
22.5°	81.3	83.9	87.4	91.9	96.4	100.9	112.7	181.2	298.8	358.6	413.4
25°	76.9	80.1	83.6	87.4	92.5	97.7	116.6	222.2	376.3	453.4	492.2
27.5°	72.7	76.5	80.1	83.3	87.7	93.5	125.2	277.0	467.8	546.3	576.7
30°	68.5	73.0	76.5	79.7	84.2	90.3	138.3	346.8	569.7	645.9	649.1
32.5°	65.0	69.2	73.3	76.5	80.7	87.7	156.6	428.4	674.1	747.7	717.6
35°	61.2	66.0	69.8	73.3	77.8	85.5	177.7	516.5	779.4	841.2	785.8
37.5°	57.3	62.8	67.6	70.1	74.6	83.3	193.1	608.4	887.0	932.5	845.7
40°	53.8	59.9	65.3	67.9	70.1	80.4	195.3	702.6	996.2	1022.4	902.0
42.5°	50.0	56.7	61.5	65.0	66.9	78.5	181.9	782.0	1087.8	1112.1	975.7
45°	45.8	53.8	57.6	60.2	64.0	79.7	164.6	843.4	1192.5	1234.4	1097.1
47.5°	41.6	50.6	53.8	55.7	60.8	87.4	158.2	884.4	1365.1	1452.2	1301.7
50°	37.8	47.7	51.2	50.9	60.2	97.3	165.2	915.5	1624.4	1726.9	1582.2
52.5°	33.6	44.5	48.7	47.4	65.0	105.0	179.3	940.2	1823.9	2049.1	1959.1
55°	30.1	41.0	44.8	44.5	74.0	110.8	190.2	810.1	1906.6	2348.5	2383.7
57.5°	27.5	37.1	40.3	45.8	79.7	110.8	220.0	575.1	1908.2	2568.8	2947.3
60°	25.3	33.6	35.9	50.3	77.5	105.0	217.7	352.2	1758.6	2553.7	3247.0
62.5°	23.4	30.4	33.3	51.6	68.5	104.1	196.6	218.4	1499.9	2359.3	3029.6
65°	21.8	27.9	32.0	47.4	62.1	111.4	132.6	156.9	1216.5	2137.8	2780.1
67.5°	20.2	25.6	33.9	38.7	56.4	99.6	95.7	111.4	954.9	1894.7	2551.2
70°	18.9	24.3	35.9	31.7	49.3	77.8	67.9	84.5	731.1	1580.9	2228.7
72.5°	17.9	22.7	30.1	25.0	40.0	60.2	47.4	61.5	477.8	1234.1	1816.9
75°	17.0	20.8	22.1	20.2	29.8	39.4	35.9	41.3	284.7	902.0	1378.5
77.5°	16.7	19.5	17.9	16.3	20.2	23.4	27.2	27.9	139.0	451.2	722.4
80°	14.7	17.6	15.4	13.4	13.8	15.4	20.2	18.6	31.7	114.6	192.8
82.5°	11.5	13.8	12.8	11.2	11.2	11.2	13.4	12.5	10.2	51.6	87.1
85°	8.0	9.6	9.6	9.0	8.6	8.6	8.3	8.0	2.9	3.2	4.8
87.5°	5.4	6.7	7.0	6.7	5.8	5.1	4.5	3.8	1.3	0.0	0.6
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°	358°	360°
0°	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3
2.5°	148.6	149.5	149.5	148.3	147.3	144.7	142.2	139.6	139.0	138.7
5°	148.6	152.4	154.3	154.0	151.8	147.6	142.2	136.4	134.8	134.2
7.5°	146.3	153.7	159.5	160.4	156.3	148.9	139.0	130.3	128.1	127.1
10°	151.5	165.9	177.4	179.0	174.2	159.8	143.8	129.0	125.5	123.3
12.5°	179.0	202.7	216.8	223.5	214.2	196.0	169.4	143.1	135.1	131.6
15°	234.7	268.3	295.2	295.2	286.6	254.3	220.6	178.0	167.2	157.5
17.5°	306.1	348.4	372.1	369.5	356.4	333.7	293.3	232.2	210.1	200.1
20°	387.5	412.8	418.2	416.6	410.8	397.7	369.8	304.2	274.4	259.1
22.5°	457.9	451.2	443.2	436.8	435.2	439.0	435.2	384.6	361.2	334.0
25°	505.6	467.5	443.5	432.0	437.4	459.5	483.5	464.6	446.1	417.9
27.5°	531.6	465.6	431.0	419.2	428.4	459.8	512.0	544.0	524.8	511.4
30°	545.6	464.0	423.0	411.5	425.6	465.0	531.9	618.3	619.0	597.5
32.5°	565.8	474.2	424.6	414.0	432.9	480.3	556.9	693.9	712.5	701.0
35°	588.6	489.9	432.0	422.4	445.7	500.8	584.7	770.1	808.9	805.0
37.5°	610.0	507.5	449.3	440.0	465.3	518.4	611.6	845.0	898.8	912.3
40°	632.4	532.2	502.4	511.4	525.5	546.3	635.6	910.1	997.8	1018.0
42.5°	685.3	617.7	663.2	680.1	682.1	639.1	688.1	993.3	1095.1	1119.2
45°	803.1	769.8	900.1	924.1	911.7	781.6	814.6	1113.4	1231.2	1243.4
47.5°	952.0	967.4	1224.5	1307.4	1232.5	949.8	968.0	1366.0	1480.4	1475.9
50°	1125.6	1198.2	1592.7	1788.4	1609.1	1168.1	1144.8	1676.6	1815.3	1801.5
52.5°	1330.8	1466.6	2035.3	2313.2	2143.5	1413.7	1404.1	2088.1	2172.7	2128.8
55°	1589.2	1725.6	2544.4	2932.8	2691.4	1713.5	1746.5	2565.2	2581.6	2442.3
57.5°	1974.8	2063.5	3144.5	3643.4	3263.3	2120.8	2360.0	3200.2	3004.9	2741.0
60°	2674.8	2498.0	3724.4	4370.3	3871.7	2693.6	3169.2	3576.5	3145.8	2782.0
62.5°	2918.4	2866.9	4087.5	4677.7	4281.0	3164.0	3379.5	3363.2	2963.3	2627.0
65°	2549.2	2775.0	4022.5	4515.3	4228.4	3086.6	3032.8	3127.9	2757.7	2391.7
67.5°	2354.9	2559.2	3776.3	4067.4	3937.4	2823.7	2703.3	2677.3	2315.2	2023.8
70°	2158.9	2361.3	3419.3	3455.4	3394.9	2395.2	2237.0	2063.1	1730.4	1477.2
72.5°	1923.2	2034.6	2923.9	2752.2	2683.7	1881.3	1848.0	1553.7	1297.2	1079.8
75°	1677.3	1644.9	2279.6	1888.9	1940.2	1463.7	1560.7	1140.9	950.4	777.2
77.5°	1220.0	1196.0	1526.8	1147.3	1270.6	958.7	861.4	455.3	433.6	374.0
80°	680.8	820.7	824.6	643.0	802.1	625.1	215.5	15.1	9.6	14.1
82.5°	316.4	352.9	447.0	298.1	457.6	309.6	44.5	0.0	0.0	0.0
85°	102.5	149.9	125.5	43.9	110.8	104.7	7.4	0.0	0.0	0.0
87.5°	6.1	12.5	3.2	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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