

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: P632596

Luminaire Tested: GWS-SA2D-722-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632596
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-SA2D-722-U-SLL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5207.4 lumens
Efficiency: N/A
Efficacy: 63.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

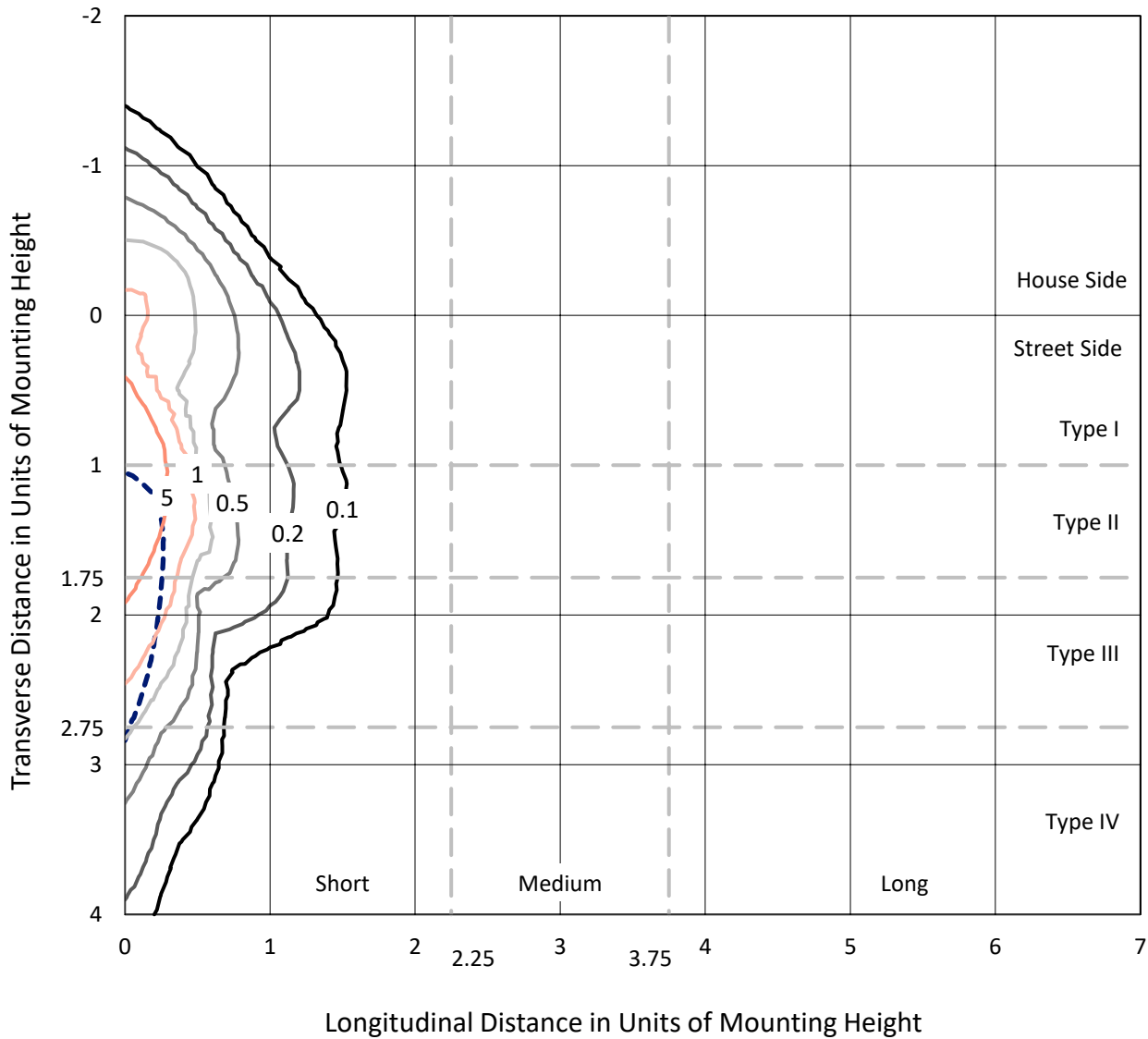
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

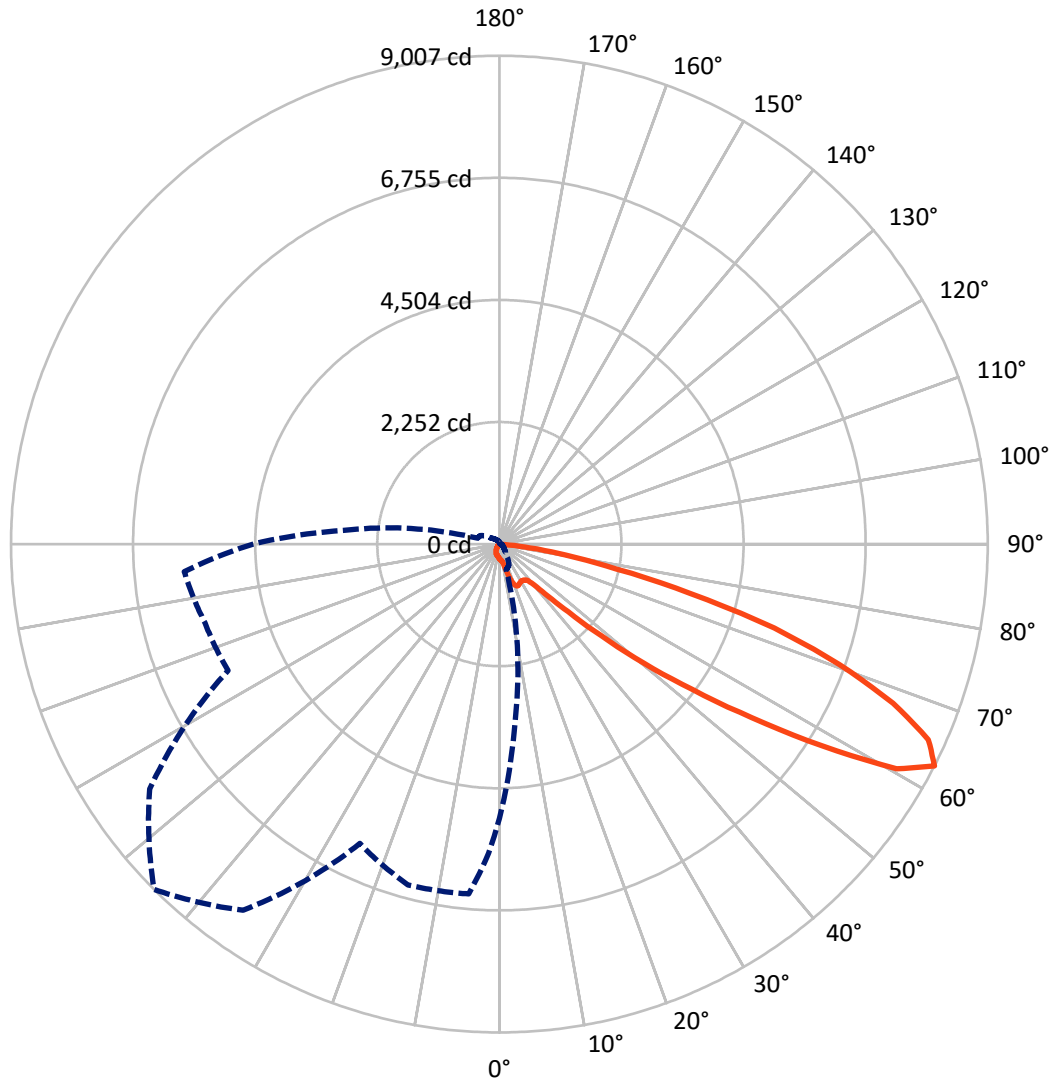
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.3 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	605.0	0.0	605.0
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	4602.4	0.0	4602.4
	% Fixture	88.4	0.0	88.4
Total	Lumens	5207.4	0.0	5207.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.3	0.4
10°-20°	79.9	1.5
20°-30°	180.6	3.5
30°-40°	311.1	6.0
40°-50°	586.8	11.3
50°-60°	1310.2	25.2
60°-70°	1752.4	33.7
70°-80°	878.8	16.9
80°-90°	84.2	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°	5207.4	100.0
0°-180°	5207.4	100.0

Coefficient of Utilization



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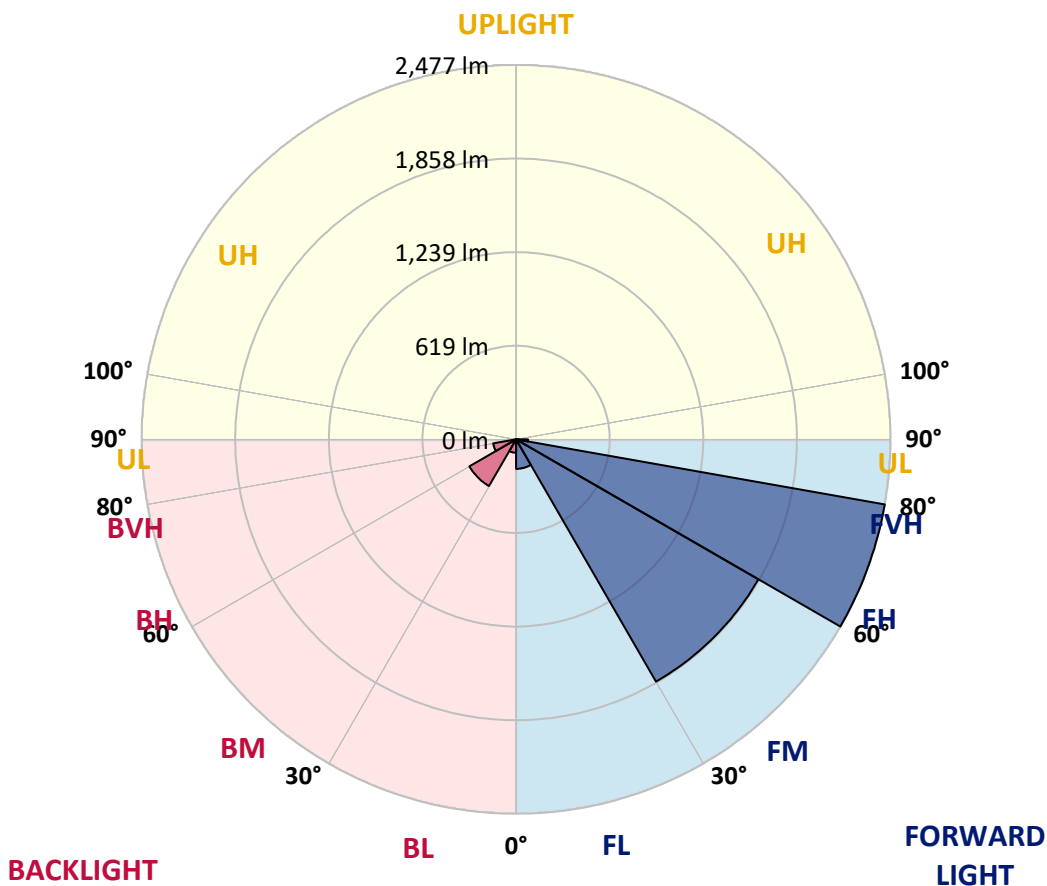
CATALOG NUMBER: GWS-SA2D-722-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	195.0	3.7			
FM (30°-60°)	1851.4	35.6			
FH (60°-80°)	2477.3	47.6			G2/5000
FVH (80°-90°)	78.6	1.5			G1/100
BL (0°-30°)	88.8	1.7	B0/110		
BM (30°-60°)	356.8	6.9	B1/1000		
BH (60°-80°)	153.9	3.0	B1/500		G1/500
BVH (80°-90°)	5.6	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1
2.5°	267.0	266.4	265.1	261.4	258.3	256.5	252.8	252.8	252.2	250.9	248.5
5°	258.3	255.9	253.4	246.6	239.2	234.9	230.0	229.4	229.4	228.1	227.5
7.5°	244.8	242.3	239.2	228.1	221.4	217.0	212.7	212.1	210.3	210.3	210.3
10°	237.4	233.7	228.8	216.4	209.6	205.9	202.9	201.0	199.8	197.9	197.3
12.5°	253.4	246.6	236.2	214.0	204.7	199.8	196.1	194.8	191.1	188.7	186.8
15°	303.4	286.7	265.7	219.5	202.9	195.5	190.5	188.1	185.0	180.7	177.6
17.5°	385.4	361.3	326.2	237.4	201.0	191.8	185.6	181.3	177.0	172.0	168.3
20°	498.8	463.1	421.1	270.1	201.0	187.4	180.0	174.5	168.3	162.8	158.5
22.5°	643.1	607.3	535.8	325.6	203.5	181.9	173.3	165.9	158.5	153.5	148.6
25°	804.6	754.1	687.5	392.8	210.3	174.5	165.2	157.8	151.1	144.9	139.3
27.5°	984.7	929.8	841.0	488.3	225.1	167.1	156.6	149.8	143.7	137.5	130.1
30°	1150.5	1117.9	1027.2	603.0	249.1	162.2	149.8	143.7	137.5	129.5	122.7
32.5°	1349.7	1291.7	1217.1	733.7	281.2	157.2	144.3	135.6	130.7	123.3	115.9
35°	1550.1	1500.8	1402.7	894.7	316.9	152.3	137.5	129.5	125.2	116.5	108.5
37.5°	1756.6	1745.5	1648.7	1072.9	352.1	146.7	129.5	124.5	120.2	110.4	101.1
40°	1960.1	1939.8	1850.4	1276.3	373.6	140.6	122.7	119.6	114.7	103.6	93.1
42.5°	2155.0	2139.5	2052.6	1471.2	370.6	135.0	115.9	112.2	108.5	97.4	84.5
45°	2394.2	2368.9	2259.2	1615.4	339.1	141.2	109.1	103.0	102.4	91.9	75.8
47.5°	2841.8	2758.6	2572.4	1726.4	307.7	157.2	101.7	94.3	98.7	86.3	67.2
50°	3468.9	3370.9	3101.4	1812.8	307.1	178.2	100.5	86.3	95.6	82.0	59.8
52.5°	4099.0	3926.4	3599.0	1859.0	329.9	193.6	111.6	78.3	91.9	77.7	54.3
55°	4702.7	4344.4	3807.4	1706.1	347.8	210.3	131.9	74.0	85.1	72.8	51.2
57.5°	5277.9	4680.5	3898.0	1349.7	407.6	217.0	144.3	75.8	75.2	66.6	48.7
60°	5356.9	4664.4	3714.9	784.9	449.5	205.3	139.3	84.5	66.0	59.2	44.4
62.5°	5058.4	4354.3	3297.5	489.6	417.4	201.0	123.9	96.2	59.8	52.4	38.8
65°	4605.3	3867.8	2749.3	315.7	316.3	223.2	108.5	94.3	56.1	46.2	33.3
67.5°	3896.8	3237.1	2166.1	211.5	178.8	190.5	95.0	64.7	54.9	39.5	25.9
70°	2844.3	2304.2	1410.1	141.2	106.7	152.3	79.5	46.2	51.8	32.7	18.5
72.5°	2079.1	1548.2	787.4	92.5	60.4	88.8	58.6	33.3	40.1	24.0	12.9
75°	1496.4	1065.5	449.5	59.2	40.1	48.7	38.2	22.8	25.9	19.1	11.7
77.5°	720.2	519.2	204.1	32.7	27.1	24.7	20.3	14.2	16.0	17.3	10.5
80°	27.1	20.3	15.4	16.0	17.3	11.1	9.2	7.4	9.2	11.7	5.5
82.5°	0.0	0.0	0.0	1.8	2.5	3.1	3.7	3.1	3.7	4.3	0.6
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°	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1
2.5°	250.3	249.1	250.3	251.6	252.8	254.0	252.2	253.4	254.6	251.6	252.8
5°	230.6	230.0	233.7	235.5	238.0	239.2	238.0	238.0	237.4	233.7	233.7
7.5°	213.3	214.0	217.0	221.4	224.4	226.3	225.1	224.4	222.6	217.0	217.0
10°	200.4	200.4	205.3	209.0	213.3	215.2	214.0	212.1	210.3	204.7	204.1
12.5°	189.9	189.9	193.6	199.8	204.7	207.2	206.6	204.1	201.0	195.5	194.8
15°	180.0	179.4	185.0	190.5	197.3	200.4	199.2	197.3	191.8	186.8	185.6
17.5°	170.2	169.6	174.5	181.9	189.3	193.6	193.0	188.7	183.7	177.6	176.3
20°	160.3	159.1	165.2	172.6	180.0	184.4	183.1	179.4	173.3	167.1	165.9
22.5°	150.4	149.8	154.1	160.3	167.1	170.8	170.2	167.1	160.9	155.4	155.4
25°	139.3	139.3	142.4	146.7	151.7	153.5	154.1	152.9	149.2	146.1	146.1
27.5°	130.1	128.2	129.5	130.7	133.2	136.3	136.3	137.5	138.1	136.9	137.5
30°	122.7	119.6	117.8	115.3	114.1	115.3	116.5	120.9	125.2	127.6	128.9
32.5°	114.1	110.4	105.4	98.7	94.3	93.1	96.8	104.8	112.8	118.4	121.5
35°	105.4	100.5	91.3	81.4	75.8	74.0	78.3	87.6	99.3	109.1	113.5
37.5°	96.8	90.0	77.1	65.4	59.2	58.0	62.3	72.1	85.7	99.3	104.8
40°	86.9	78.9	63.5	51.2	46.2	45.0	48.7	58.6	72.8	88.2	96.8
42.5°	77.1	67.2	51.2	40.7	35.8	35.8	40.7	48.1	61.0	77.7	88.2
45°	67.2	56.7	41.9	32.7	29.6	30.2	33.3	40.7	51.2	68.4	78.3
47.5°	58.0	48.7	34.5	27.1	24.7	25.3	29.0	35.1	43.8	59.2	69.7
50°	49.9	41.3	30.2	22.8	21.0	22.2	25.9	31.4	38.8	52.4	61.0
52.5°	45.0	37.0	27.7	19.7	18.5	19.7	23.4	28.4	35.1	46.2	54.9
55°	42.5	36.4	27.7	17.9	16.0	17.3	21.0	25.9	31.4	41.9	49.3
57.5°	41.9	37.6	29.6	16.0	13.6	14.8	18.5	23.4	29.0	38.2	44.4
60°	39.5	35.8	29.0	12.9	10.5	12.3	15.4	20.3	26.5	35.8	41.3
62.5°	34.5	31.4	25.3	10.5	8.0	9.2	12.9	17.9	24.0	32.7	38.8
65°	28.4	25.3	19.7	6.8	4.9	6.2	9.9	15.4	21.0	29.6	35.1
67.5°	21.0	17.9	13.6	4.3	2.5	4.3	8.0	12.9	19.1	26.5	32.1
70°	12.9	10.5	7.4	2.5	1.8	3.7	7.4	12.3	17.3	24.7	30.2
72.5°	7.4	4.9	3.1	1.2	1.8	3.7	7.4	12.3	16.6	23.4	28.4
75°	5.5	3.1	1.2	0.6	1.2	3.1	6.8	11.1	16.0	22.2	27.1
77.5°	3.7	1.8	0.6	0.0	0.6	2.5	6.2	10.5	14.8	21.0	25.9
80°	0.6	0.0	0.0	0.0	0.0	1.8	5.5	9.2	13.6	18.5	22.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.6	4.3	8.0	11.7	15.4	18.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	6.2	9.2	11.7	12.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	6.2	7.4	8.6
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1
2.5°	252.2	255.9	255.9	258.3	261.4	267.0	270.1	274.4	277.5	280.5	281.8
5°	233.1	233.7	234.3	235.5	239.2	245.4	250.9	257.7	265.7	271.9	275.6
7.5°	217.0	217.0	217.0	218.9	222.6	226.9	232.5	241.7	250.9	258.3	264.5
10°	203.5	205.3	205.9	209.0	213.3	218.9	225.1	233.1	243.6	253.4	264.5
12.5°	194.8	196.7	199.8	202.9	207.2	213.3	220.1	230.6	252.2	272.5	296.0
15°	186.8	189.3	193.0	197.3	202.2	209.0	216.4	238.0	288.6	326.8	363.8
17.5°	178.2	181.9	186.8	191.1	197.3	204.7	214.0	255.9	355.2	418.7	481.6
20°	167.1	172.0	177.6	184.4	191.8	200.4	214.0	292.9	451.3	542.6	625.8
22.5°	156.6	161.5	168.3	177.0	185.6	194.2	217.0	349.0	575.3	690.6	796.0
25°	148.0	154.1	160.9	168.3	178.2	188.1	224.4	427.9	724.5	873.1	947.7
27.5°	140.0	147.4	154.1	160.3	168.9	180.0	241.1	533.3	900.8	1051.9	1110.5
30°	131.9	140.6	147.4	153.5	162.2	173.9	266.4	667.8	1096.9	1243.6	1249.8
32.5°	125.2	133.2	141.2	147.4	155.4	168.9	301.5	825.0	1297.9	1439.7	1381.8
35°	117.8	127.0	134.4	141.2	149.8	164.6	342.2	994.5	1500.8	1619.8	1513.1
37.5°	110.4	120.9	130.1	135.0	143.7	160.3	371.8	1171.5	1707.9	1795.5	1628.4
40°	103.6	115.3	125.8	130.7	135.0	154.8	376.1	1352.8	1918.2	1968.7	1736.9
42.5°	96.2	109.1	118.4	125.2	128.9	151.1	350.2	1505.7	2094.5	2141.4	1878.7
45°	88.2	103.6	111.0	115.9	123.3	153.5	316.9	1624.1	2296.2	2376.9	2112.4
47.5°	80.2	97.4	103.6	107.3	117.2	168.3	304.6	1703.0	2628.5	2796.2	2506.4
50°	72.8	91.9	98.7	98.0	115.9	187.4	318.2	1762.8	3127.9	3325.2	3046.5
52.5°	64.7	85.7	93.7	91.3	125.2	202.2	345.3	1810.3	3512.1	3945.5	3772.3
55°	58.0	78.9	86.3	85.7	142.4	213.3	366.3	1560.0	3671.1	4522.0	4589.8
57.5°	53.0	71.5	77.7	88.2	153.5	213.3	423.6	1107.4	3674.2	4946.2	5675.0
60°	48.7	64.7	69.1	96.8	149.2	202.2	419.3	678.2	3386.3	4917.2	6252.1
62.5°	45.0	58.6	64.1	99.3	131.9	200.4	378.6	420.5	2888.1	4543.0	5833.5
65°	41.9	53.6	61.7	91.3	119.6	214.6	255.3	302.1	2342.4	4116.3	5353.2
67.5°	38.8	49.3	65.4	74.6	108.5	191.8	184.4	214.6	1838.6	3648.3	4912.3
70°	36.4	46.9	69.1	61.0	95.0	149.8	130.7	162.8	1407.7	3044.1	4291.4
72.5°	34.5	43.8	58.0	48.1	77.1	115.9	91.3	118.4	919.9	2376.3	3498.5
75°	32.7	40.1	42.5	38.8	57.3	75.8	69.1	79.5	548.1	1736.9	2654.4
77.5°	32.1	37.6	34.5	31.4	38.8	45.0	52.4	53.6	267.6	868.8	1391.0
80°	28.4	33.9	29.6	25.9	26.5	29.6	38.8	35.8	61.0	220.7	371.2
82.5°	22.2	26.5	24.7	21.6	21.6	21.6	25.9	24.0	19.7	99.3	167.7
85°	15.4	18.5	18.5	17.3	16.6	16.6	16.0	15.4	5.5	6.2	9.2
87.5°	10.5	12.9	13.6	12.9	11.1	9.9	8.6	7.4	2.5	0.0	1.2
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°	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1	270.1
2.5°	286.1	287.9	287.9	285.5	283.6	278.7	273.8	268.8	267.6	267.0
5°	286.1	293.5	297.2	296.6	292.3	284.2	273.8	262.7	259.6	258.3
7.5°	281.8	296.0	307.1	308.9	300.9	286.7	267.6	250.9	246.6	244.8
10°	291.6	319.4	341.6	344.7	335.4	307.7	276.8	248.5	241.7	237.4
12.5°	344.7	390.3	417.4	430.4	412.5	377.3	326.2	275.6	260.2	253.4
15°	452.0	516.7	568.5	568.5	551.8	489.6	424.8	342.8	321.9	303.4
17.5°	589.5	670.8	716.5	711.5	686.3	642.5	564.8	447.0	404.5	385.4
20°	746.1	794.8	805.3	802.2	791.1	765.8	712.2	585.8	528.4	498.8
22.5°	881.7	868.8	853.4	841.0	837.9	845.3	837.9	740.5	695.5	643.1
25°	973.6	900.2	854.0	831.8	842.3	884.8	931.0	894.7	858.9	804.6
27.5°	1023.5	896.5	829.9	807.1	825.0	885.4	985.9	1047.6	1010.6	984.7
30°	1050.7	893.4	814.5	792.3	819.4	895.3	1024.1	1190.6	1191.9	1150.5
32.5°	1089.5	913.2	817.6	797.2	833.6	924.9	1072.2	1336.1	1371.9	1349.7
35°	1133.3	943.4	831.8	813.3	858.3	964.3	1125.9	1482.9	1557.5	1550.1
37.5°	1174.6	977.3	865.1	847.2	895.9	998.2	1177.7	1627.2	1730.7	1756.6
40°	1217.8	1024.8	967.4	984.7	1011.8	1051.9	1223.9	1752.3	1921.3	1960.1
42.5°	1319.5	1189.4	1276.9	1309.6	1313.3	1230.7	1325.0	1912.6	2108.7	2155.0
45°	1546.4	1482.3	1733.2	1779.5	1755.4	1505.1	1568.6	2143.9	2370.8	2394.2
47.5°	1833.1	1862.7	2357.8	2517.5	2373.2	1828.8	1863.9	2630.3	2850.5	2841.8
50°	2167.3	2307.3	3066.9	3443.6	3098.3	2249.3	2204.3	3228.4	3495.4	3468.9
52.5°	2562.5	2823.9	3919.0	4454.2	4127.4	2722.2	2703.7	4020.7	4183.5	4099.0
55°	3060.1	3322.8	4899.4	5647.3	5182.4	3299.3	3362.8	4939.4	4970.9	4702.7
57.5°	3802.5	3973.3	6054.8	7015.5	6283.6	4083.6	4544.2	6162.1	5786.0	5277.9
60°	5150.3	4810.0	7171.5	8415.1	7455.1	5186.7	6102.3	6886.6	6057.3	5356.9
62.5°	5619.5	5520.3	7870.7	9007.0	8243.1	6092.5	6507.4	6476.0	5705.9	5058.4
65°	4908.6	5343.3	7745.5	8694.4	8142.0	5943.2	5839.7	6022.8	5310.0	4605.3
67.5°	4534.3	4927.7	7271.4	7831.8	7581.5	5437.0	5205.2	5155.2	4457.9	3896.8
70°	4157.0	4546.7	6583.9	6653.5	6537.0	4612.0	4307.4	3972.6	3332.0	2844.3
72.5°	3703.2	3917.8	5630.0	5299.5	5167.6	3622.4	3558.3	2991.7	2497.8	2079.1
75°	3229.7	3167.4	4389.5	3637.2	3735.9	2818.4	3005.2	2196.9	1830.0	1496.4
77.5°	2349.2	2302.9	2939.9	2209.2	2446.6	1846.0	1658.6	876.8	834.9	720.2
80°	1310.9	1580.3	1587.7	1238.1	1544.5	1203.6	415.0	29.0	18.5	27.1
82.5°	609.2	679.5	860.7	574.0	881.1	596.2	85.7	0.0	0.0	0.0
85°	197.3	288.6	241.7	84.5	213.3	201.6	14.2	0.0	0.0	0.0
87.5°	11.7	24.0	6.2	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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