

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: P642606

Luminaire Tested: GWS-SA6D-730-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642606
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-SA6D-730-U-SLL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19750.3 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

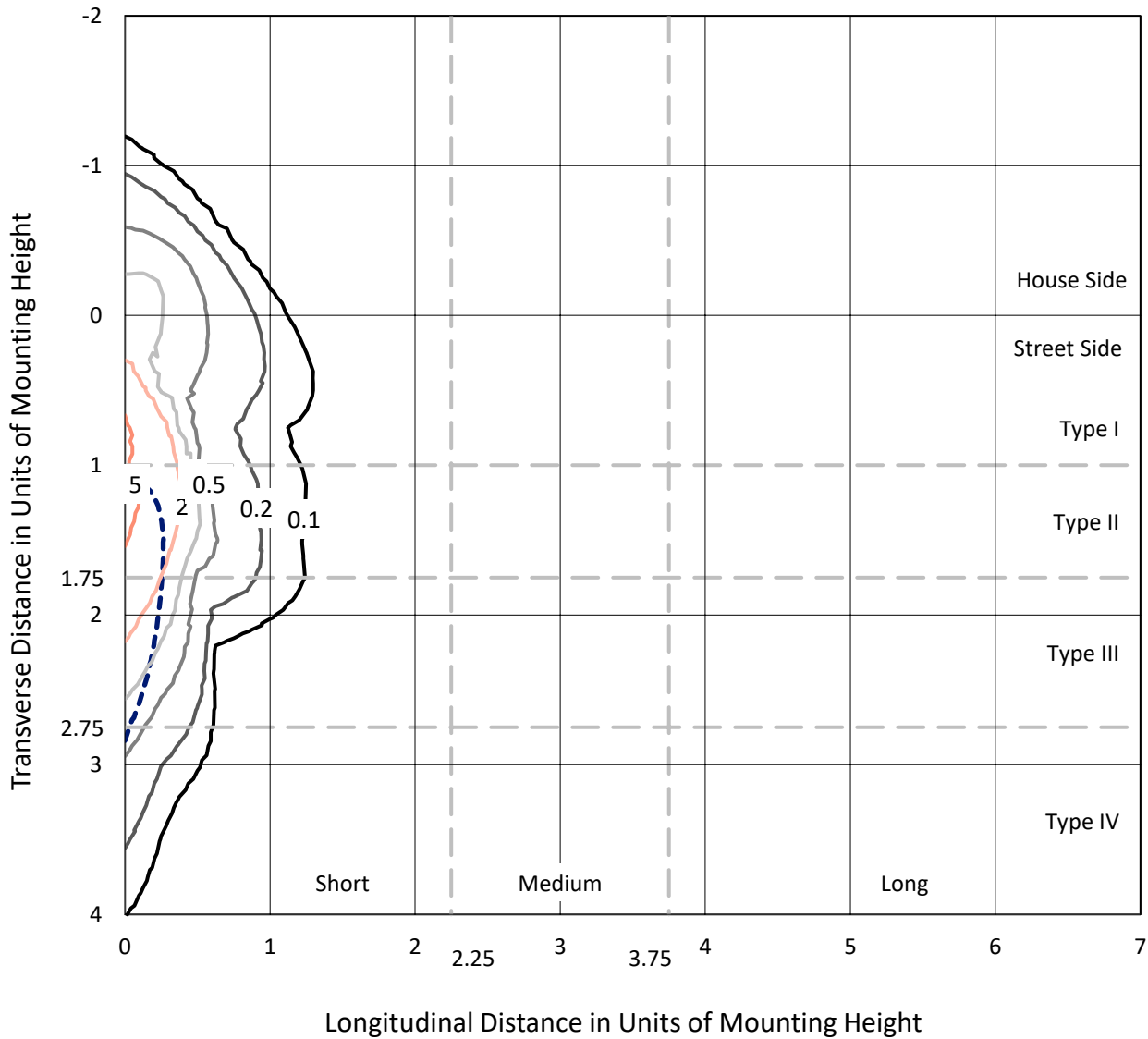
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

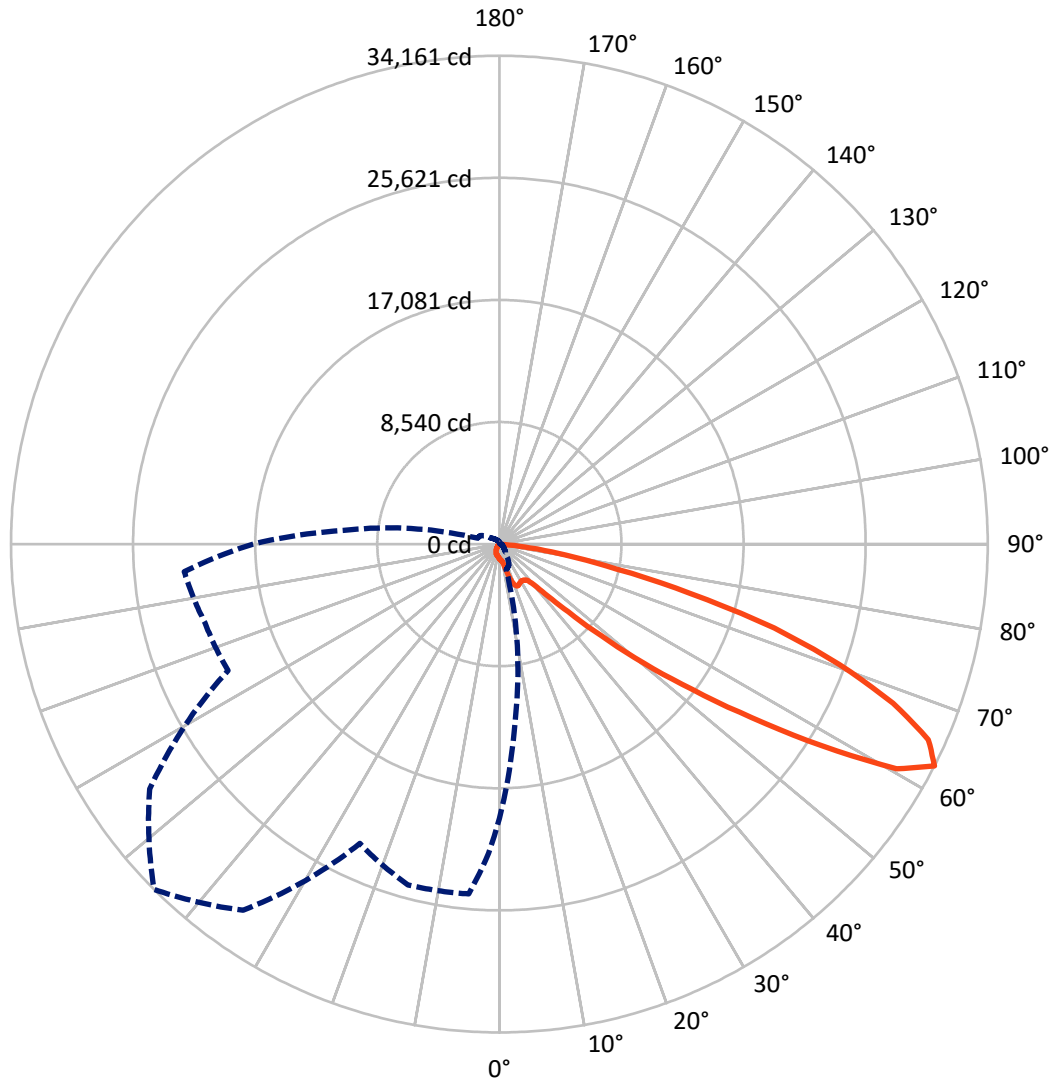
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 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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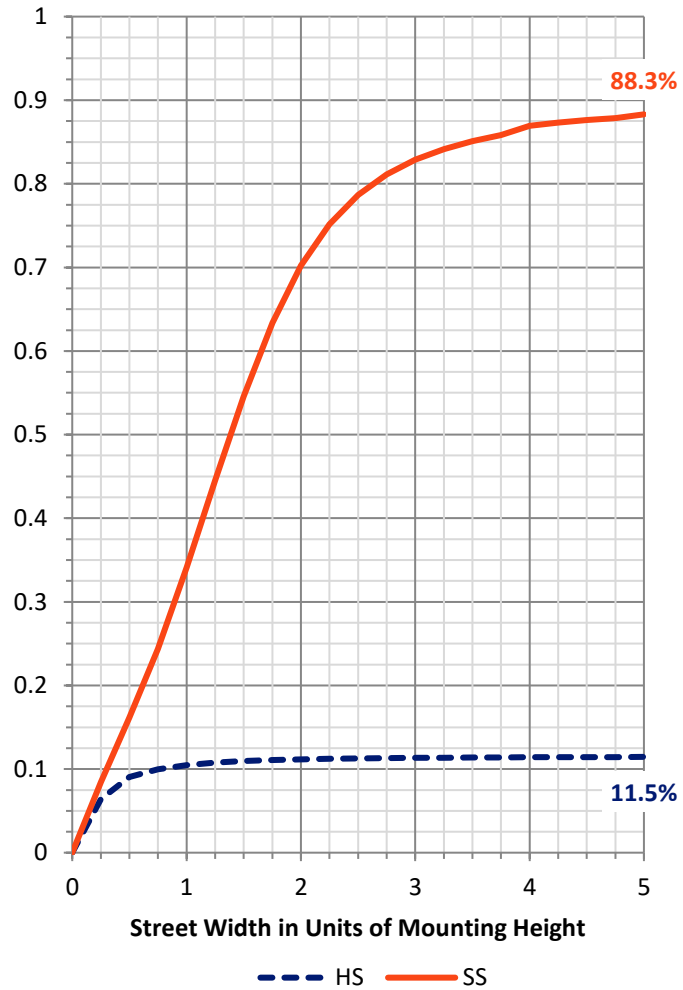
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2294.7	0.0	2294.7
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	17455.6	0.0	17455.6
	% Fixture	88.4	0.0	88.4
Total	Lumens	19750.3	0.0	19750.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.4	0.4
10°-20°	303.2	1.5
20°-30°	684.9	3.5
30°-40°	1179.9	6.0
40°-50°	2225.7	11.3
50°-60°	4969.3	25.2
60°-70°	6646.4	33.7
70°-80°	3333.0	16.9
80°-90°	319.5	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°	19750.3	100.0
0°-180°	19750.3	100.0

Coefficient of Utilization



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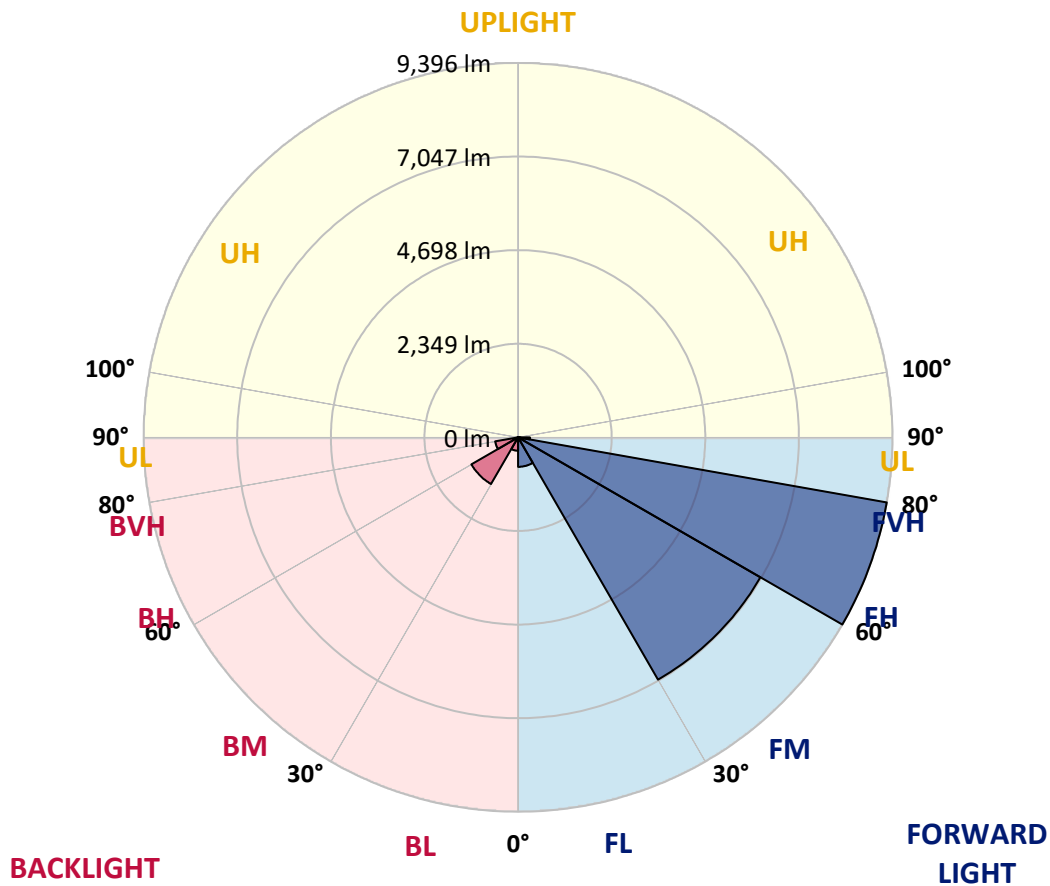
CATALOG NUMBER: GWS-SA6D-730-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	739.7	3.7			
FM (30°-60°)	7021.8	35.6			
FH (60°-80°)	9395.9	47.6			G4/12000
FVH (80°-90°)	298.2	1.5			G3/500
BL (0°-30°)	336.8	1.7	B1/500		
BM (30°-60°)	1353.1	6.9	B2/2500		
BH (60°-80°)	583.6	3.0	B2/1000		G2/1000
BVH (80°-90°)	21.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3
2.5°	1012.6	1010.2	1005.6	991.5	979.8	972.8	958.8	958.8	956.5	951.8	942.4
5°	979.8	970.5	961.1	935.4	907.4	891.0	872.3	869.9	869.9	865.3	862.9
7.5°	928.4	919.0	907.4	865.3	839.5	823.2	806.8	804.5	797.4	797.4	797.4
10°	900.3	886.3	867.6	820.8	795.1	781.1	769.4	762.4	757.7	750.7	748.3
12.5°	961.1	935.4	895.7	811.5	776.4	757.7	743.7	739.0	724.9	715.6	708.6
15°	1150.6	1087.4	1007.9	832.5	769.4	741.3	722.6	713.3	701.6	685.2	673.5
17.5°	1461.6	1370.4	1237.1	900.3	762.4	727.3	703.9	687.5	671.2	652.5	638.4
20°	1891.9	1756.2	1597.2	1024.3	762.4	710.9	682.9	661.8	638.4	617.4	601.0
22.5°	2439.1	2303.5	2032.2	1234.7	771.7	689.9	657.1	629.1	601.0	582.3	563.6
25°	3051.8	2860.0	2607.5	1489.6	797.4	661.8	626.7	598.7	572.9	549.6	528.5
27.5°	3734.6	3526.5	3189.8	1852.1	853.6	633.7	594.0	568.3	544.9	521.5	493.4
30°	4363.7	4239.8	3896.0	2287.1	944.8	615.0	568.3	544.9	521.5	491.1	465.4
32.5°	5119.1	4899.2	4616.3	2782.9	1066.4	596.3	547.2	514.5	495.8	467.7	439.6
35°	5879.1	5692.0	5320.2	3393.2	1202.0	577.6	521.5	491.1	474.7	442.0	411.6
37.5°	6662.5	6620.4	6253.2	4069.1	1335.3	556.6	491.1	472.4	456.0	418.6	383.5
40°	7434.2	7357.0	7017.9	4840.8	1417.2	533.2	465.4	453.7	435.0	392.9	353.1
42.5°	8173.2	8114.7	7785.0	5579.7	1405.5	512.1	439.6	425.6	411.6	369.5	320.4
45°	9080.5	8984.7	8568.4	6127.0	1286.2	535.5	413.9	390.5	388.2	348.4	287.6
47.5°	10778.3	10462.6	9756.4	6547.9	1166.9	596.3	385.9	357.8	374.2	327.4	254.9
50°	13156.6	12784.8	11762.8	6875.3	1164.6	675.8	381.2	327.4	362.5	311.0	226.8
52.5°	15546.6	14891.8	13650.0	7050.7	1251.1	734.3	423.3	297.0	348.4	294.7	205.8
55°	17836.0	16477.3	14440.5	6470.7	1318.9	797.4	500.4	280.6	322.7	275.9	194.1
57.5°	20017.9	17751.8	14784.2	5119.1	1545.8	823.2	547.2	287.6	285.3	252.6	184.7
60°	20317.2	17691.0	14089.7	2977.0	1704.8	778.7	528.5	320.4	250.2	224.5	168.4
62.5°	19185.4	16514.7	12506.5	1856.8	1583.2	762.4	470.0	364.8	226.8	198.8	147.3
65°	17466.5	14669.6	10427.5	1197.3	1199.7	846.6	411.6	357.8	212.8	175.4	126.3
67.5°	14779.5	12277.3	8215.3	802.1	678.2	722.6	360.1	245.5	208.1	149.7	98.2
70°	10787.7	8739.1	5348.2	535.5	404.6	577.6	301.7	175.4	196.4	123.9	70.2
72.5°	7885.5	5872.1	2986.3	350.8	229.2	336.7	222.2	126.3	152.0	91.2	49.1
75°	5675.6	4041.0	1704.8	224.5	152.0	184.7	145.0	86.5	98.2	72.5	44.4
77.5°	2731.4	1969.0	774.1	123.9	102.9	93.5	77.2	53.8	60.8	65.5	39.8
80°	102.9	77.2	58.5	60.8	65.5	42.1	35.1	28.1	35.1	44.4	21.0
82.5°	0.0	0.0	0.0	7.0	9.4	11.7	14.0	11.7	14.0	16.4	2.3
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°	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3
2.5°	949.4	944.8	949.4	954.1	958.8	963.5	956.5	961.1	965.8	954.1	958.8
5°	874.6	872.3	886.3	893.3	902.7	907.4	902.7	902.7	900.3	886.3	886.3
7.5°	809.1	811.5	823.2	839.5	851.2	858.2	853.6	851.2	844.2	823.2	823.2
10°	760.0	760.0	778.7	792.8	809.1	816.1	811.5	804.5	797.4	776.4	774.1
12.5°	720.3	720.3	734.3	757.7	776.4	785.7	783.4	774.1	762.4	741.3	739.0
15°	682.9	680.5	701.6	722.6	748.3	760.0	755.3	748.3	727.3	708.6	703.9
17.5°	645.4	643.1	661.8	689.9	717.9	734.3	732.0	715.6	696.9	673.5	668.8
20°	608.0	603.3	626.7	654.8	682.9	699.2	694.5	680.5	657.1	633.7	629.1
22.5°	570.6	568.3	584.6	608.0	633.7	647.8	645.4	633.7	610.4	589.3	589.3
25°	528.5	528.5	540.2	556.6	575.3	582.3	584.6	580.0	565.9	554.2	554.2
27.5°	493.4	486.4	491.1	495.8	505.1	516.8	516.8	521.5	523.8	519.2	521.5
30°	465.4	453.7	446.7	437.3	432.6	437.3	442.0	458.4	474.7	484.1	488.8
32.5°	432.6	418.6	399.9	374.2	357.8	353.1	367.2	397.6	428.0	449.0	460.7
35°	399.9	381.2	346.1	308.7	287.6	280.6	297.0	332.1	376.5	413.9	430.3
37.5°	367.2	341.4	292.3	247.9	224.5	219.8	236.2	273.6	325.1	376.5	397.6
40°	329.7	299.3	240.9	194.1	175.4	170.7	184.7	222.2	275.9	334.4	367.2
42.5°	292.3	254.9	194.1	154.3	135.6	135.6	154.3	182.4	231.5	294.7	334.4
45°	254.9	215.1	159.0	123.9	112.2	114.6	126.3	154.3	194.1	259.6	297.0
47.5°	219.8	184.7	131.0	102.9	93.5	95.9	109.9	133.3	166.0	224.5	264.3
50°	189.4	156.7	114.6	86.5	79.5	84.2	98.2	119.3	147.3	198.8	231.5
52.5°	170.7	140.3	105.2	74.8	70.2	74.8	88.9	107.6	133.3	175.4	208.1
55°	161.4	138.0	105.2	67.8	60.8	65.5	79.5	98.2	119.3	159.0	187.1
57.5°	159.0	142.7	112.2	60.8	51.4	56.1	70.2	88.9	109.9	145.0	168.4
60°	149.7	135.6	109.9	49.1	39.8	46.8	58.5	77.2	100.6	135.6	156.7
62.5°	131.0	119.3	95.9	39.8	30.4	35.1	49.1	67.8	91.2	123.9	147.3
65°	107.6	95.9	74.8	25.7	18.7	23.4	37.4	58.5	79.5	112.2	133.3
67.5°	79.5	67.8	51.4	16.4	9.4	16.4	30.4	49.1	72.5	100.6	121.6
70°	49.1	39.8	28.1	9.4	7.0	14.0	28.1	46.8	65.5	93.5	114.6
72.5°	28.1	18.7	11.7	4.7	7.0	14.0	28.1	46.8	63.1	88.9	107.6
75°	21.0	11.7	4.7	2.3	4.7	11.7	25.7	42.1	60.8	84.2	102.9
77.5°	14.0	7.0	2.3	0.0	2.3	9.4	23.4	39.8	56.1	79.5	98.2
80°	2.3	0.0	0.0	0.0	0.0	7.0	21.0	35.1	51.4	70.2	86.5
82.5°	0.0	0.0	0.0	0.0	0.0	2.3	16.4	30.4	44.4	58.5	70.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	9.4	23.4	35.1	44.4	49.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.7	23.4	28.1	32.7
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3
2.5°	956.5	970.5	970.5	979.8	991.5	1012.6	1024.3	1040.6	1052.3	1064.0	1068.7
5°	884.0	886.3	888.6	893.3	907.4	930.7	951.8	977.5	1007.9	1031.3	1045.3
7.5°	823.2	823.2	823.2	830.2	844.2	860.6	881.6	916.7	951.8	979.8	1003.2
10°	771.7	778.7	781.1	792.8	809.1	830.2	853.6	884.0	923.7	961.1	1003.2
12.5°	739.0	746.0	757.7	769.4	785.7	809.1	834.9	874.6	956.5	1033.6	1122.5
15°	708.6	717.9	732.0	748.3	767.0	792.8	820.8	902.7	1094.4	1239.4	1379.7
17.5°	675.8	689.9	708.6	724.9	748.3	776.4	811.5	970.5	1347.0	1587.9	1826.4
20°	633.7	652.5	673.5	699.2	727.3	760.0	811.5	1110.8	1711.8	2057.9	2373.6
22.5°	594.0	612.7	638.4	671.2	703.9	736.6	823.2	1323.6	2181.9	2619.2	3019.1
25°	561.2	584.6	610.4	638.4	675.8	713.3	851.2	1622.9	2747.8	3311.4	3594.3
27.5°	530.8	558.9	584.6	608.0	640.8	682.9	914.4	2022.8	3416.6	3989.5	4211.7
30°	500.4	533.2	558.9	582.3	615.0	659.5	1010.2	2532.6	4160.3	4716.8	4740.2
32.5°	474.7	505.1	535.5	558.9	589.3	640.8	1143.5	3129.0	4922.6	5460.5	5240.7
35°	446.7	481.7	509.8	535.5	568.3	624.4	1297.9	3772.1	5692.0	6143.3	5738.8
37.5°	418.6	458.4	493.4	512.1	544.9	608.0	1410.1	4443.2	6477.7	6809.8	6176.1
40°	392.9	437.3	477.1	495.8	512.1	587.0	1426.5	5130.7	7275.2	7466.9	6587.7
42.5°	364.8	413.9	449.0	474.7	488.8	572.9	1328.3	5710.7	7944.0	8121.7	7125.5
45°	334.4	392.9	420.9	439.6	467.7	582.3	1202.0	6159.7	8708.7	9015.1	8011.8
47.5°	304.0	369.5	392.9	406.9	444.3	638.4	1155.2	6459.0	9969.2	10605.3	9506.2
50°	275.9	348.4	374.2	371.8	439.6	710.9	1206.7	6685.9	11863.4	12611.7	11554.7
52.5°	245.5	325.1	355.5	346.1	474.7	767.0	1309.6	6865.9	13320.3	14964.3	14307.2
55°	219.8	299.3	327.4	325.1	540.2	809.1	1389.1	5916.5	13923.6	17150.8	17408.1
57.5°	201.1	271.3	294.7	334.4	582.3	809.1	1606.6	4200.0	13935.3	18759.7	21523.9
60°	184.7	245.5	261.9	367.2	565.9	767.0	1590.2	2572.4	12843.2	18649.8	23712.8
62.5°	170.7	222.2	243.2	376.5	500.4	760.0	1435.9	1594.9	10953.7	17230.3	22124.9
65°	159.0	203.5	233.9	346.1	453.7	813.8	968.2	1145.9	8884.1	15612.1	20303.2
67.5°	147.3	187.1	247.9	283.0	411.6	727.3	699.2	813.8	6973.5	13837.1	18631.1
70°	138.0	177.7	261.9	231.5	360.1	568.3	495.8	617.4	5338.9	11545.4	16276.2
72.5°	131.0	166.0	219.8	182.4	292.3	439.6	346.1	449.0	3489.1	9012.7	13268.9
75°	123.9	152.0	161.4	147.3	217.5	287.6	261.9	301.7	2079.0	6587.7	10067.4
77.5°	121.6	142.7	131.0	119.3	147.3	170.7	198.8	203.5	1014.9	3295.0	5275.7
80°	107.6	128.6	112.2	98.2	100.6	112.2	147.3	135.6	231.5	837.2	1407.8
82.5°	84.2	100.6	93.5	81.8	81.8	81.8	98.2	91.2	74.8	376.5	636.1
85°	58.5	70.2	70.2	65.5	63.1	63.1	60.8	58.5	21.0	23.4	35.1
87.5°	39.8	49.1	51.4	49.1	42.1	37.4	32.7	28.1	9.4	0.0	4.7
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°	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3
2.5°	1085.1	1092.1	1092.1	1082.7	1075.7	1057.0	1038.3	1019.6	1014.9	1012.6
5°	1085.1	1113.1	1127.2	1124.8	1108.5	1078.1	1038.3	996.2	984.5	979.8
7.5°	1068.7	1122.5	1164.6	1171.6	1141.2	1087.4	1014.9	951.8	935.4	928.4
10°	1106.1	1211.4	1295.5	1307.2	1272.2	1166.9	1050.0	942.4	916.7	900.3
12.5°	1307.2	1480.3	1583.2	1632.3	1564.5	1431.2	1237.1	1045.3	986.9	961.1
15°	1714.1	1959.7	2156.1	2156.1	2093.0	1856.8	1611.3	1300.2	1220.7	1150.6
17.5°	2235.6	2544.3	2717.4	2698.7	2602.8	2436.8	2142.1	1695.4	1534.1	1461.6
20°	2829.6	3014.4	3054.1	3042.4	3000.3	2904.5	2701.0	2221.6	2004.1	1891.9
22.5°	3344.1	3295.0	3236.5	3189.8	3178.1	3206.1	3178.1	2808.6	2637.9	2439.1
25°	3692.5	3414.3	3238.9	3154.7	3194.4	3355.8	3531.2	3393.2	3257.6	3051.8
27.5°	3882.0	3400.2	3147.7	3061.1	3129.0	3358.1	3739.3	3973.2	3832.9	3734.6
30°	3984.9	3388.5	3089.2	3005.0	3107.9	3395.6	3884.3	4515.7	4520.4	4363.7
32.5°	4132.2	3463.4	3100.9	3023.7	3161.7	3507.8	4066.7	5067.6	5203.2	5119.1
35°	4298.2	3578.0	3154.7	3084.5	3255.2	3657.5	4270.2	5624.2	5907.1	5879.1
37.5°	4454.9	3706.6	3281.0	3213.1	3397.9	3786.1	4466.6	6171.4	6564.3	6662.5
40°	4618.6	3886.6	3669.2	3734.6	3837.5	3989.5	4642.0	6646.1	7286.9	7434.2
42.5°	5004.5	4511.0	4843.1	4967.1	4981.1	4667.7	5025.5	7254.1	7997.8	8173.2
45°	5865.0	5621.8	6573.6	6749.0	6657.8	5708.4	5949.2	8131.1	8991.7	9080.5
47.5°	6952.5	7064.7	8942.6	9548.2	9001.0	6936.1	7069.4	9976.2	10811.1	10778.3
50°	8220.0	8750.8	11631.9	13060.7	11751.1	8531.0	8360.3	12244.6	13257.2	13156.6
52.5°	9719.0	10710.5	14863.7	16893.6	15654.2	10324.6	10254.5	15249.6	15867.0	15546.6
55°	11606.2	12602.4	18582.0	21418.7	19655.4	12513.5	12754.4	18734.0	18853.3	17836.0
57.5°	14421.8	15069.5	22964.4	26607.9	23832.0	15488.1	17235.0	23371.3	21944.8	20017.9
60°	19533.8	18242.9	27199.5	31916.3	28275.2	19671.8	23144.5	26119.1	22973.8	20317.2
62.5°	21313.4	20936.9	29851.4	34161.3	31263.9	23107.1	24680.9	24561.6	21640.8	19185.4
65°	18617.1	20265.8	29376.7	32975.7	30880.4	22541.2	22148.3	22842.8	20139.5	17466.5
67.5°	17197.6	18689.6	27578.4	29704.1	28754.6	20621.2	19741.9	19552.5	16907.6	14779.5
70°	15766.4	17244.4	24970.9	25235.1	24793.2	17492.3	16337.0	15067.2	12637.5	10787.7
72.5°	14045.2	14859.1	21353.2	20099.7	19599.3	13738.9	13495.7	11346.6	9473.4	7885.5
75°	12249.3	12013.1	16648.0	13795.0	14169.2	10689.4	11398.0	8332.2	6940.8	5675.6
77.5°	8909.8	8734.4	11150.1	8379.0	9279.3	7001.6	6290.7	3325.4	3166.4	2731.4
80°	4971.7	5993.7	6021.7	4695.8	5858.0	4564.8	1573.8	109.9	70.2	102.9
82.5°	2310.5	2577.1	3264.6	2177.2	3341.8	2261.4	325.1	0.0	0.0	0.0
85°	748.3	1094.4	916.7	320.4	809.1	764.7	53.8	0.0	0.0	0.0
87.5°	44.4	91.2	23.4	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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