

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: P635896

Luminaire Tested: GWS-SA3E-760-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635896
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-SA3E-760-U-SLL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13433.7 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G3

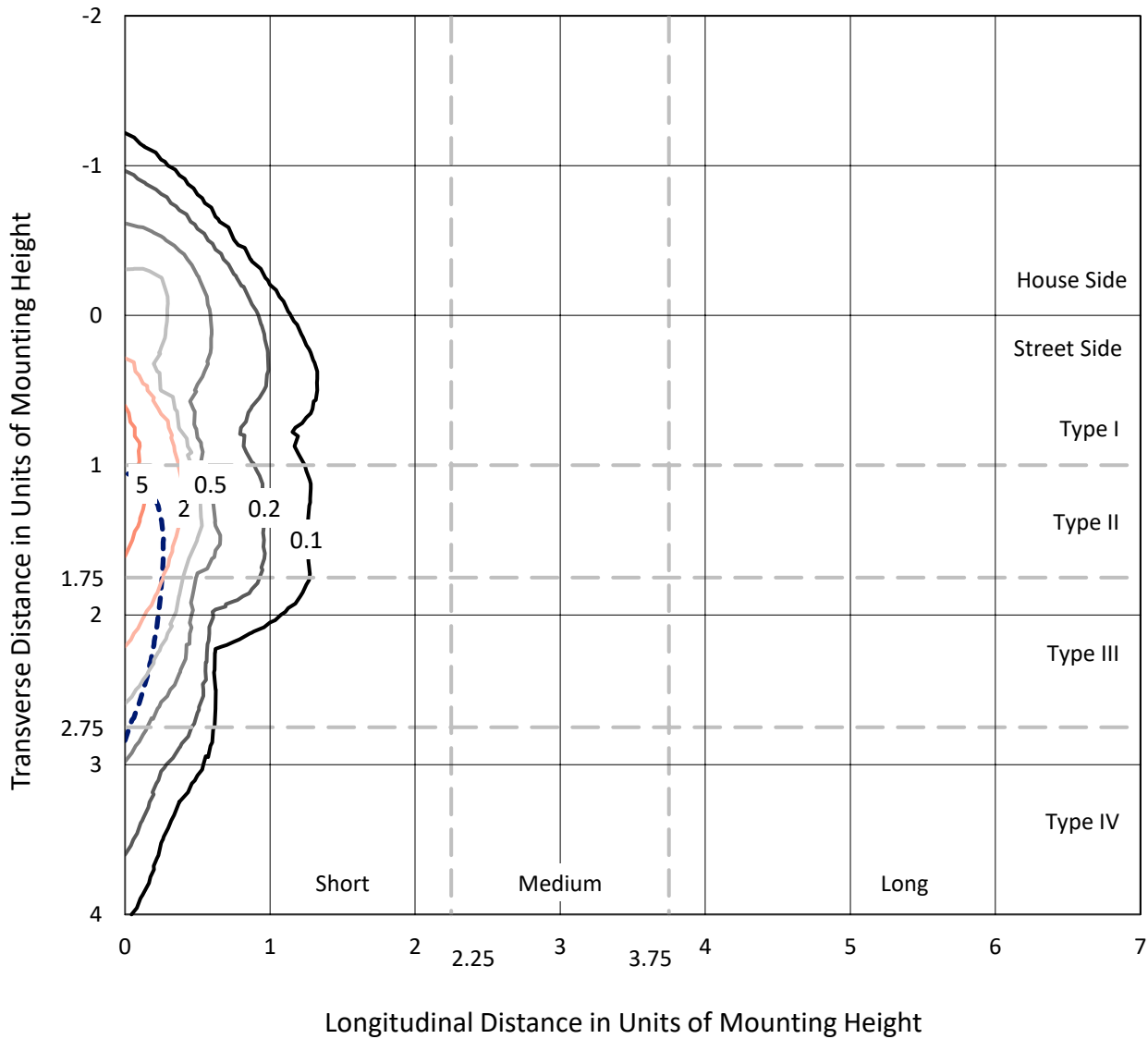
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

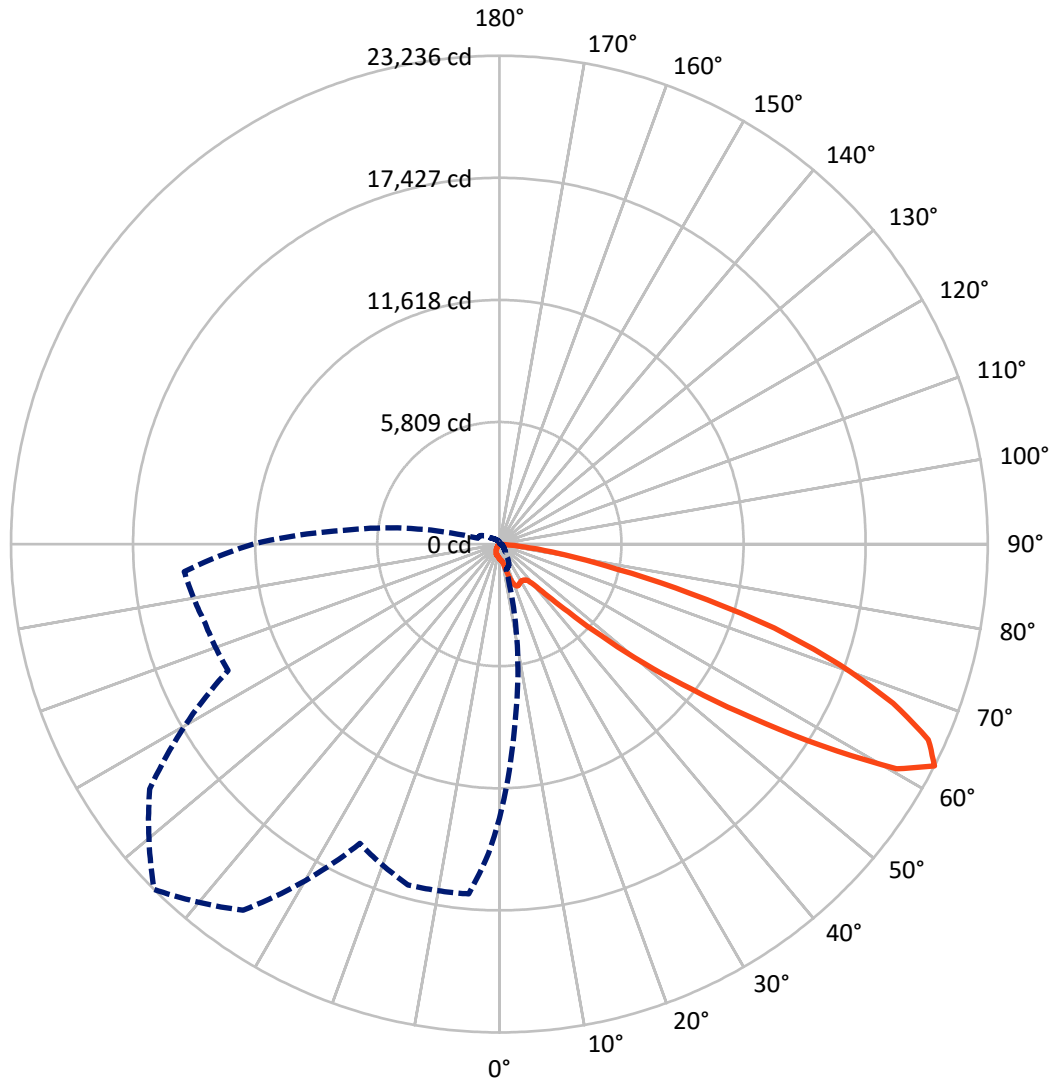
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 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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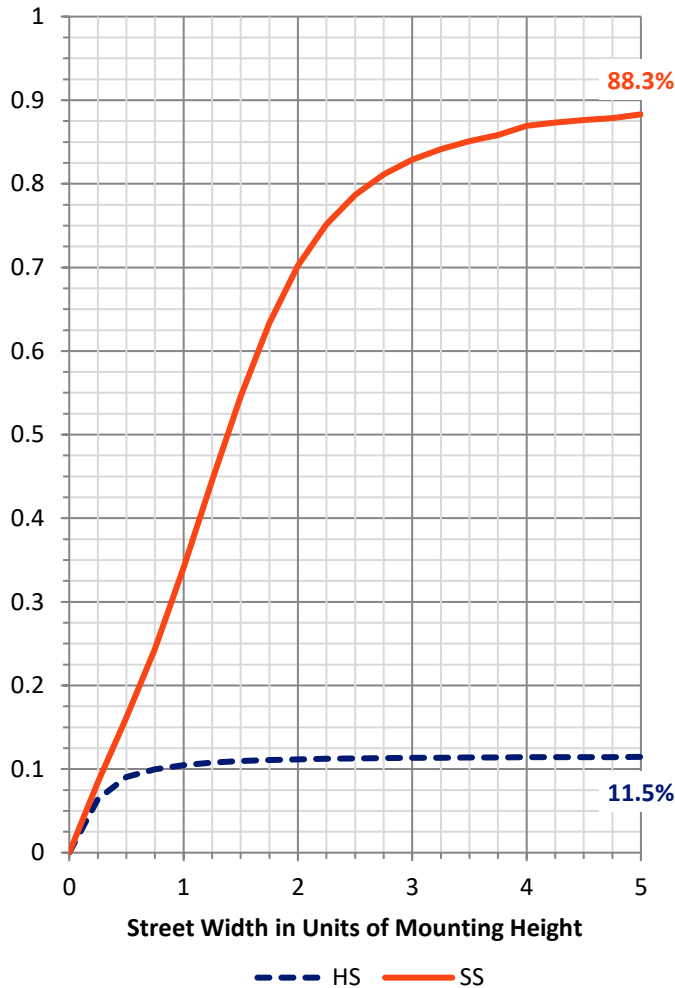
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1560.8	0.0	1560.8
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	11872.9	0.0	11872.9
	% Fixture	88.4	0.0	88.4
Total	Lumens	13433.7	0.0	13433.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.2	0.4
10°-20°	206.2	1.5
20°-30°	465.8	3.5
30°-40°	802.5	6.0
40°-50°	1513.9	11.3
50°-60°	3380.0	25.2
60°-70°	4520.7	33.7
70°-80°	2267.0	16.9
80°-90°	217.3	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°	13433.7	100.0
0°-180°	13433.7	100.0

Coefficient of Utilization



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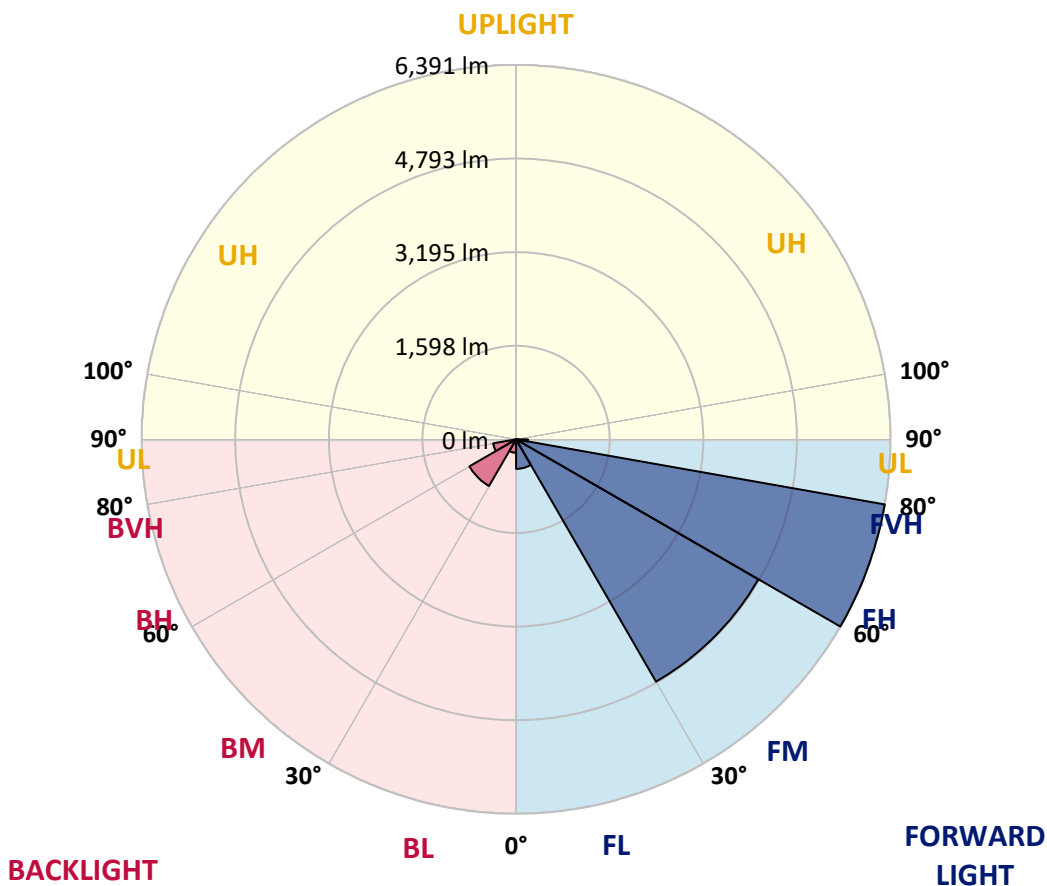
CATALOG NUMBER: GWS-SA3E-760-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	503.1	3.7			
FM (30°-60°)	4776.1	35.6			
FH (60°-80°)	6390.9	47.6			G3/7500
FVH (80°-90°)	202.8	1.5			G2/225
BL (0°-30°)	229.1	1.7	B1/500		
BM (30°-60°)	920.4	6.9	B1/1000		
BH (60°-80°)	396.9	3.0	B1/500		G1/500
BVH (80°-90°)	14.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	696.7	696.7	696.7	696.7	696.7	696.7	696.7	696.7	696.7	696.7	696.7
2.5°	688.7	687.1	684.0	674.4	666.5	661.7	652.2	652.2	650.6	647.4	641.0
5°	666.5	660.1	653.7	636.2	617.2	606.0	593.3	591.7	591.7	588.5	586.9
7.5°	631.5	625.1	617.2	588.5	571.0	559.9	548.8	547.2	542.4	542.4	542.4
10°	612.4	602.8	590.1	558.3	540.8	531.3	523.3	518.5	515.4	510.6	509.0
12.5°	653.7	636.2	609.2	551.9	528.1	515.4	505.8	502.6	493.1	486.7	482.0
15°	782.6	739.6	685.6	566.3	523.3	504.2	491.5	485.1	477.2	466.1	458.1
17.5°	994.1	932.1	841.4	612.4	518.5	494.7	478.8	467.6	456.5	443.8	434.2
20°	1286.8	1194.6	1086.4	696.7	518.5	483.5	464.5	450.1	434.2	419.9	408.8
22.5°	1659.0	1566.8	1382.2	839.8	524.9	469.2	447.0	427.9	408.8	396.1	383.3
25°	2075.8	1945.3	1773.5	1013.2	542.4	450.1	426.3	407.2	389.7	373.8	359.5
27.5°	2540.2	2398.7	2169.6	1259.8	580.6	431.1	404.0	386.5	370.6	354.7	335.6
30°	2968.1	2883.8	2650.0	1555.6	642.6	418.3	386.5	370.6	354.7	334.0	316.5
32.5°	3481.9	3332.3	3139.9	1892.8	725.3	405.6	372.2	349.9	337.2	318.1	299.0
35°	3998.8	3871.6	3618.7	2308.0	817.6	392.9	354.7	334.0	322.9	300.6	279.9
37.5°	4531.7	4503.0	4253.3	2767.7	908.2	378.6	334.0	321.3	310.2	284.7	260.9
40°	5056.6	5004.1	4773.4	3292.6	963.9	362.7	316.5	308.6	295.9	267.2	240.2
42.5°	5559.2	5519.4	5295.2	3795.2	956.0	348.3	299.0	289.5	279.9	251.3	217.9
45°	6176.4	6111.2	5828.0	4167.4	874.8	364.3	281.5	265.6	264.0	237.0	195.6
47.5°	7331.2	7116.4	6636.1	4453.7	793.7	405.6	262.5	243.4	254.5	222.7	173.4
50°	8948.8	8695.9	8000.8	4676.4	792.1	459.7	259.3	222.7	246.5	211.6	154.3
52.5°	10574.4	10129.1	9284.4	4795.7	851.0	499.5	287.9	202.0	237.0	200.4	140.0
55°	12131.6	11207.5	9822.1	4401.2	897.1	542.4	340.4	190.9	219.5	187.7	132.0
57.5°	13615.7	12074.4	10055.9	3481.9	1051.4	559.9	372.2	195.6	194.1	171.8	125.7
60°	13819.3	12033.0	9583.5	2024.9	1159.6	529.7	359.5	217.9	170.2	152.7	114.5
62.5°	13049.4	11232.9	8506.6	1263.0	1076.8	518.5	319.7	248.1	154.3	135.2	100.2
65°	11880.3	9978.0	7092.6	814.4	816.0	575.8	279.9	243.4	144.7	119.3	85.9
67.5°	10052.7	8350.7	5587.8	545.6	461.3	491.5	245.0	167.0	141.6	101.8	66.8
70°	7337.5	5944.1	3637.7	364.3	275.2	392.9	205.2	119.3	133.6	84.3	47.7
72.5°	5363.6	3994.0	2031.2	238.6	155.9	229.0	151.1	85.9	103.4	62.0	33.4
75°	3860.4	2748.6	1159.6	152.7	103.4	125.7	98.6	58.9	66.8	49.3	30.2
77.5°	1857.8	1339.3	526.5	84.3	70.0	63.6	52.5	36.6	41.4	44.5	27.0
80°	70.0	52.5	39.8	41.4	44.5	28.6	23.9	19.1	23.9	30.2	14.3
82.5°	0.0	0.0	0.0	4.8	6.4	8.0	9.5	8.0	9.5	11.1	1.6
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°	696.7	696.7	696.7	696.7	696.7	696.7	696.7	696.7	696.7	696.7	696.7
2.5°	645.8	642.6	645.8	649.0	652.2	655.3	650.6	653.7	656.9	649.0	652.2
5°	594.9	593.3	602.8	607.6	614.0	617.2	614.0	614.0	612.4	602.8	602.8
7.5°	550.4	551.9	559.9	571.0	579.0	583.8	580.6	579.0	574.2	559.9	559.9
10°	517.0	517.0	529.7	539.2	550.4	555.1	551.9	547.2	542.4	528.1	526.5
12.5°	489.9	489.9	499.5	515.4	528.1	534.4	532.9	526.5	518.5	504.2	502.6
15°	464.5	462.9	477.2	491.5	509.0	517.0	513.8	509.0	494.7	482.0	478.8
17.5°	439.0	437.4	450.1	469.2	488.3	499.5	497.9	486.7	474.0	458.1	454.9
20°	413.6	410.4	426.3	445.4	464.5	475.6	472.4	462.9	447.0	431.1	427.9
22.5°	388.1	386.5	397.7	413.6	431.1	440.6	439.0	431.1	415.2	400.8	400.8
25°	359.5	359.5	367.4	378.6	391.3	396.1	397.7	394.5	384.9	377.0	377.0
27.5°	335.6	330.8	334.0	337.2	343.6	351.5	351.5	354.7	356.3	353.1	354.7
30°	316.5	308.6	303.8	297.4	294.3	297.4	300.6	311.8	322.9	329.3	332.4
32.5°	294.3	284.7	272.0	254.5	243.4	240.2	249.7	270.4	291.1	305.4	313.4
35°	272.0	259.3	235.4	210.0	195.6	190.9	202.0	225.9	256.1	281.5	292.7
37.5°	249.7	232.2	198.8	168.6	152.7	149.5	160.7	186.1	221.1	256.1	270.4
40°	224.3	203.6	163.8	132.0	119.3	116.1	125.7	151.1	187.7	227.5	249.7
42.5°	198.8	173.4	132.0	105.0	92.3	92.3	105.0	124.1	157.5	200.4	227.5
45°	173.4	146.3	108.2	84.3	76.3	77.9	85.9	105.0	132.0	176.6	202.0
47.5°	149.5	125.7	89.1	70.0	63.6	65.2	74.8	90.7	112.9	152.7	179.7
50°	128.8	106.6	77.9	58.9	54.1	57.3	66.8	81.1	100.2	135.2	157.5
52.5°	116.1	95.4	71.6	50.9	47.7	50.9	60.4	73.2	90.7	119.3	141.6
55°	109.8	93.8	71.6	46.1	41.4	44.5	54.1	66.8	81.1	108.2	127.2
57.5°	108.2	97.0	76.3	41.4	35.0	38.2	47.7	60.4	74.8	98.6	114.5
60°	101.8	92.3	74.8	33.4	27.0	31.8	39.8	52.5	68.4	92.3	106.6
62.5°	89.1	81.1	65.2	27.0	20.7	23.9	33.4	46.1	62.0	84.3	100.2
65°	73.2	65.2	50.9	17.5	12.7	15.9	25.4	39.8	54.1	76.3	90.7
67.5°	54.1	46.1	35.0	11.1	6.4	11.1	20.7	33.4	49.3	68.4	82.7
70°	33.4	27.0	19.1	6.4	4.8	9.5	19.1	31.8	44.5	63.6	77.9
72.5°	19.1	12.7	8.0	3.2	4.8	9.5	19.1	31.8	42.9	60.4	73.2
75°	14.3	8.0	3.2	1.6	3.2	8.0	17.5	28.6	41.4	57.3	70.0
77.5°	9.5	4.8	1.6	0.0	1.6	6.4	15.9	27.0	38.2	54.1	66.8
80°	1.6	0.0	0.0	0.0	0.0	4.8	14.3	23.9	35.0	47.7	58.9
82.5°	0.0	0.0	0.0	0.0	0.0	1.6	11.1	20.7	30.2	39.8	47.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	6.4	15.9	23.9	30.2	33.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	15.9	19.1	22.3
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°	696.7	696.7	696.7	696.7	696.7	696.7	696.7	696.7	696.7	696.7	696.7
2.5°	650.6	660.1	660.1	666.5	674.4	688.7	696.7	707.8	715.8	723.7	726.9
5°	601.3	602.8	604.4	607.6	617.2	633.1	647.4	664.9	685.6	701.5	711.0
7.5°	559.9	559.9	559.9	564.7	574.2	585.3	599.7	623.5	647.4	666.5	682.4
10°	524.9	529.7	531.3	539.2	550.4	564.7	580.6	601.3	628.3	653.7	682.4
12.5°	502.6	507.4	515.4	523.3	534.4	550.4	567.9	594.9	650.6	703.1	763.5
15°	482.0	488.3	497.9	509.0	521.7	539.2	558.3	614.0	744.4	843.0	938.5
17.5°	459.7	469.2	482.0	493.1	509.0	528.1	551.9	660.1	916.2	1080.0	1242.3
20°	431.1	443.8	458.1	475.6	494.7	517.0	551.9	755.5	1164.3	1399.7	1614.5
22.5°	404.0	416.7	434.2	456.5	478.8	501.0	559.9	900.3	1484.0	1781.5	2053.5
25°	381.7	397.7	415.2	434.2	459.7	485.1	579.0	1103.9	1869.0	2252.3	2444.8
27.5°	361.1	380.2	397.7	413.6	435.8	464.5	621.9	1375.9	2323.9	2713.6	2864.7
30°	340.4	362.7	380.2	396.1	418.3	448.6	687.1	1722.6	2829.7	3208.3	3224.2
32.5°	322.9	343.6	364.3	380.2	400.8	435.8	777.8	2128.2	3348.3	3714.1	3564.6
35°	303.8	327.7	346.8	364.3	386.5	424.7	882.8	2565.7	3871.6	4178.6	3903.4
37.5°	284.7	311.8	335.6	348.3	370.6	413.6	959.1	3022.2	4406.0	4631.9	4200.8
40°	267.2	297.4	324.5	337.2	348.3	399.2	970.3	3489.8	4948.4	5078.8	4480.8
42.5°	248.1	281.5	305.4	322.9	332.4	389.7	903.5	3884.3	5403.3	5524.2	4846.6
45°	227.5	267.2	286.3	299.0	318.1	396.1	817.6	4189.7	5923.5	6131.8	5449.5
47.5°	206.8	251.3	267.2	276.8	302.2	434.2	785.8	4393.3	6780.8	7213.5	6465.9
50°	187.7	237.0	254.5	252.9	299.0	483.5	820.8	4547.6	8069.2	8578.2	7859.2
52.5°	167.0	221.1	241.8	235.4	322.9	521.7	890.7	4670.1	9060.2	10178.4	9731.4
55°	149.5	203.6	222.7	221.1	367.4	550.4	944.8	4024.3	9470.5	11665.6	11840.6
57.5°	136.8	184.5	200.4	227.5	396.1	550.4	1092.8	2856.8	9478.5	12759.9	14640.1
60°	125.7	167.0	178.1	249.7	384.9	521.7	1081.6	1749.7	8735.7	12685.2	16128.9
62.5°	116.1	151.1	165.4	256.1	340.4	517.0	976.6	1084.8	7450.5	11719.7	15048.8
65°	108.2	138.4	159.1	235.4	308.6	553.5	658.5	779.4	6042.8	10619.0	13809.8
67.5°	100.2	127.2	168.6	192.5	279.9	494.7	475.6	553.5	4743.2	9411.7	12672.5
70°	93.8	120.9	178.1	157.5	245.0	386.5	337.2	419.9	3631.4	7852.9	11070.7
72.5°	89.1	112.9	149.5	124.1	198.8	299.0	235.4	305.4	2373.2	6130.2	9025.2
75°	84.3	103.4	109.8	100.2	147.9	195.6	178.1	205.2	1414.1	4480.8	6847.6
77.5°	82.7	97.0	89.1	81.1	100.2	116.1	135.2	138.4	690.3	2241.2	3588.4
80°	73.2	87.5	76.3	66.8	68.4	76.3	100.2	92.3	157.5	569.4	957.6
82.5°	57.3	68.4	63.6	55.7	55.7	55.7	66.8	62.0	50.9	256.1	432.6
85°	39.8	47.7	47.7	44.5	42.9	42.9	41.4	39.8	14.3	15.9	23.9
87.5°	27.0	33.4	35.0	33.4	28.6	25.4	22.3	19.1	6.4	0.0	3.2
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°	696.7	696.7	696.7	696.7	696.7	696.7	696.7	696.7	696.7	696.7
2.5°	738.0	742.8	742.8	736.5	731.7	719.0	706.2	693.5	690.3	688.7
5°	738.0	757.1	766.7	765.1	754.0	733.3	706.2	677.6	669.7	666.5
7.5°	726.9	763.5	792.1	796.9	776.2	739.6	690.3	647.4	636.2	631.5
10°	752.4	823.9	881.2	889.2	865.3	793.7	714.2	641.0	623.5	612.4
12.5°	889.2	1006.9	1076.8	1110.3	1064.1	973.5	841.4	711.0	671.2	653.7
15°	1165.9	1332.9	1466.6	1466.6	1423.6	1263.0	1095.9	884.4	830.3	782.6
17.5°	1520.6	1730.6	1848.3	1835.6	1770.4	1657.4	1457.0	1153.2	1043.4	994.1
20°	1924.6	2050.3	2077.3	2069.4	2040.8	1975.5	1837.2	1511.1	1363.2	1286.8
22.5°	2274.6	2241.2	2201.4	2169.6	2161.7	2180.7	2161.7	1910.3	1794.2	1659.0
25°	2511.6	2322.3	2203.0	2145.7	2172.8	2282.5	2401.8	2308.0	2215.7	2075.8
27.5°	2640.4	2312.8	2141.0	2082.1	2128.2	2284.1	2543.4	2702.5	2607.0	2540.2
30°	2710.4	2304.8	2101.2	2043.9	2113.9	2309.6	2642.0	3071.5	3074.7	2968.1
32.5°	2810.6	2355.7	2109.2	2056.7	2150.5	2385.9	2766.1	3446.9	3539.1	3481.9
35°	2923.6	2433.6	2145.7	2098.0	2214.1	2487.7	2904.5	3825.4	4017.9	3998.8
37.5°	3030.1	2521.1	2231.6	2185.5	2311.2	2575.2	3038.1	4197.6	4464.9	4531.7
40°	3141.5	2643.6	2495.7	2540.2	2610.2	2713.6	3157.4	4520.5	4956.4	5056.6
42.5°	3403.9	3068.3	3294.2	3378.5	3388.0	3174.9	3418.2	4934.1	5439.9	5559.2
45°	3989.3	3823.8	4471.2	4590.5	4528.5	3882.7	4046.5	5530.6	6115.9	6176.4
47.5°	4728.9	4805.3	6082.5	6494.5	6122.3	4717.8	4808.4	6785.6	7353.4	7331.2
50°	5591.0	5952.1	7911.7	8883.6	7992.9	5802.6	5686.5	8328.5	9017.2	8948.8
52.5°	6610.6	7285.0	10110.0	11490.6	10647.6	7022.6	6974.9	10372.4	10792.3	10574.4
55°	7894.2	8571.8	12639.1	14568.5	13369.2	8511.4	8675.2	12742.4	12823.6	12131.6
57.5°	9809.3	10249.9	15619.9	18098.1	16210.0	10534.7	11722.9	15896.6	14926.4	13615.7
60°	13286.4	12408.4	18500.5	21708.8	19232.2	13380.3	15742.4	17765.6	15626.2	13819.3
62.5°	14496.9	14240.8	20304.2	23235.8	21265.0	15716.9	16787.4	16706.3	14719.6	13049.4
65°	12662.9	13784.3	19981.4	22429.3	21004.1	15332.0	15064.7	15537.2	13698.4	11880.3
67.5°	11697.4	12712.2	18758.2	20204.0	19558.2	14026.1	13428.0	13299.2	11500.2	10052.7
70°	10724.0	11729.2	16984.6	17164.4	16863.7	11897.8	11112.1	10248.4	8595.7	7337.5
72.5°	9553.3	10106.8	14523.9	13671.4	13331.0	9344.9	9179.5	7717.7	6443.6	5363.6
75°	8331.7	8171.0	11323.6	9383.1	9637.6	7270.7	7752.7	5667.4	4721.0	3860.4
77.5°	6060.3	5941.0	7584.1	5699.2	6311.6	4762.3	4278.8	2261.9	2153.7	1857.8
80°	3381.7	4076.8	4095.8	3194.0	3984.5	3104.9	1070.5	74.8	47.7	70.0
82.5°	1571.5	1752.9	2220.5	1480.9	2273.0	1538.1	221.1	0.0	0.0	0.0
85°	509.0	744.4	623.5	217.9	550.4	520.1	36.6	0.0	0.0	0.0
87.5°	30.2	62.0	15.9	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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