

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: P636065

Luminaire Tested: GWS-SA3F-722-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636065
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-722-U-SLR-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11177 lumens
Efficiency: N/A
Efficacy: 61.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

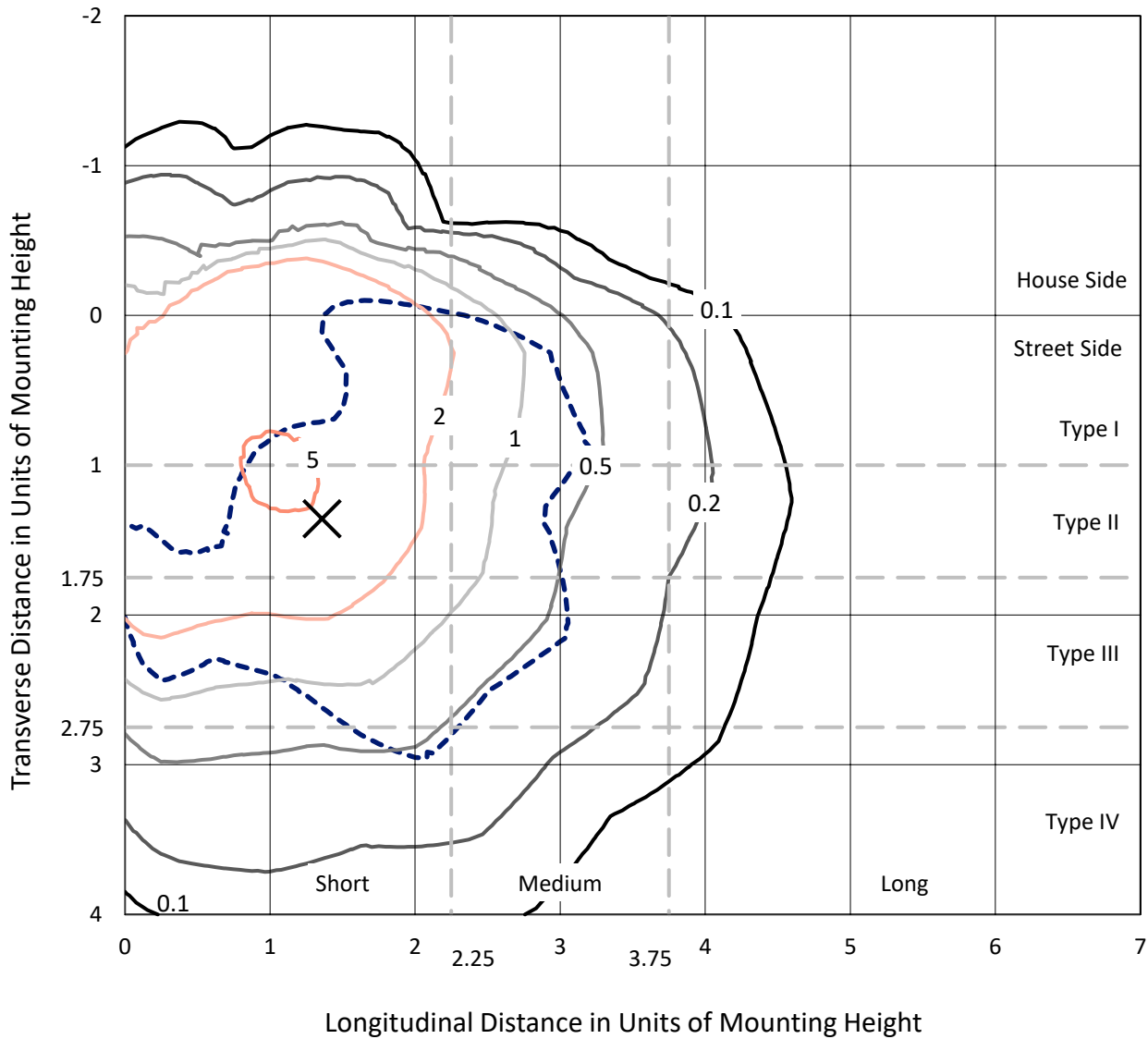
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

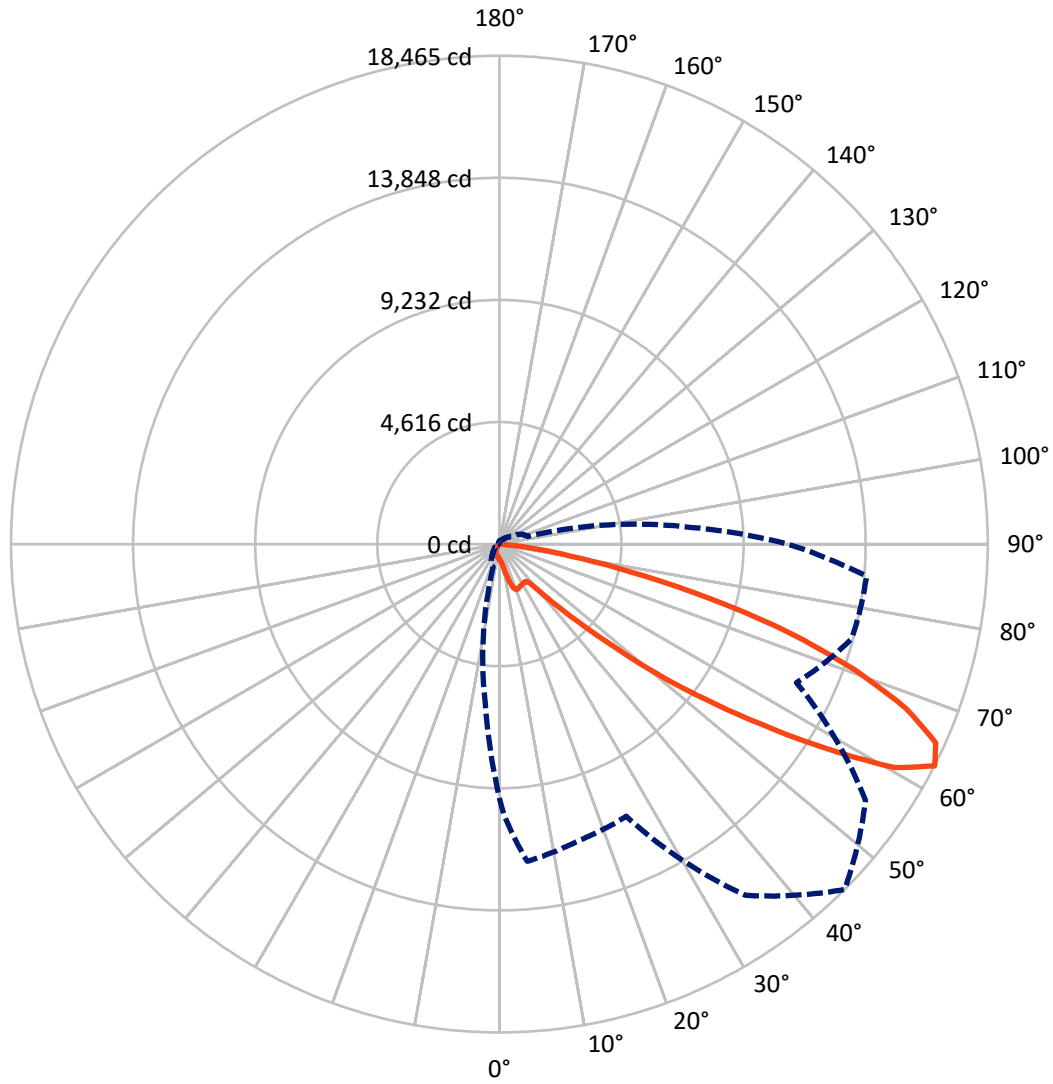
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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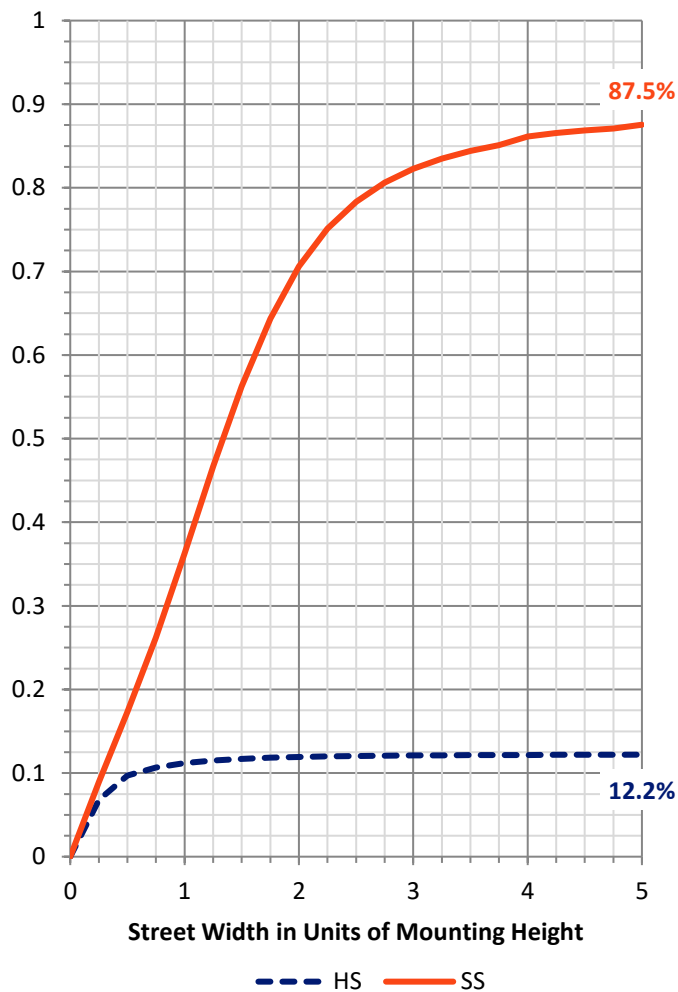
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1379.2	0.0	1379.2
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	9797.8	0.0	9797.8
	% Fixture	87.7	0.0	87.7
Total	Lumens	11177.0	0.0	11177.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.5	0.5
10°-20°	194.9	1.7
20°-30°	423.6	3.8
30°-40°	695.3	6.2
40°-50°	1278.2	11.4
50°-60°	2744.9	24.6
60°-70°	3686.8	33.0
70°-80°	1919.8	17.2
80°-90°	182.0	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°	11177.0	100.0
0°-180°	11177.0	100.0

Coefficient of Utilization

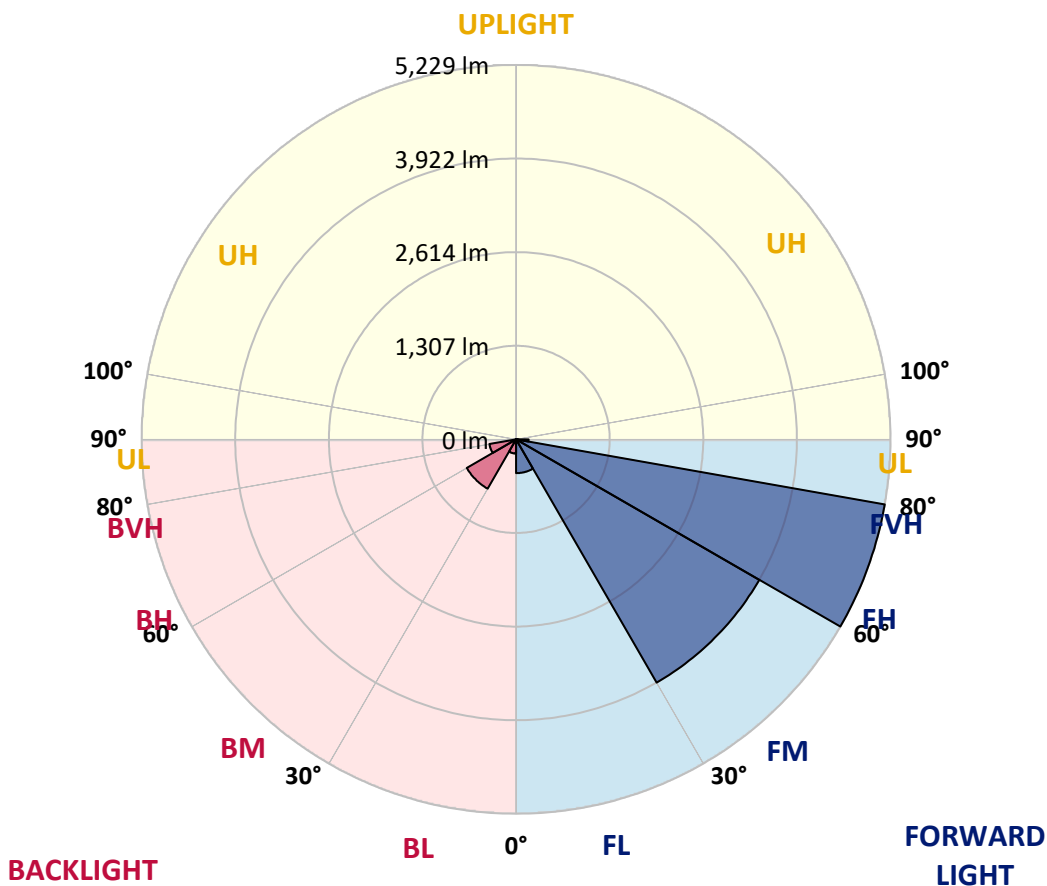


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	472.2	4.2			
FM (30°-60°)	3923.0	35.1			
FH (60°-80°)	5228.7	46.8			G3/7500
FVH (80°-90°)	173.9	1.6			G2/225
BL (0°-30°)	197.8	1.8	B1/500		
BM (30°-60°)	795.4	7.1	B1/1000		
BH (60°-80°)	377.9	3.4	B1/500		G1/500
BVH (80°-90°)	8.1	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-G3
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0
2.5°	592.6	595.2	597.8	606.8	613.2	618.4	619.7	615.8	606.8	597.8	584.8
5°	574.5	577.1	586.1	610.7	635.2	654.6	661.0	657.1	635.2	606.8	577.1
7.5°	573.2	578.4	600.3	652.0	704.9	744.9	755.3	746.2	704.9	648.1	587.4
10°	619.7	628.7	661.0	754.0	850.8	921.8	950.2	911.5	845.6	742.4	642.9
12.5°	741.1	756.6	818.5	954.1	1103.8	1198.1	1236.8	1189.1	1085.8	936.0	778.5
15°	932.1	955.4	1048.3	1251.0	1427.9	1511.8	1524.7	1497.6	1377.5	1212.3	1000.6
17.5°	1202.0	1235.5	1380.1	1586.7	1714.5	1744.2	1740.3	1711.9	1624.1	1510.5	1310.4
20°	1524.7	1564.7	1706.8	1877.2	1890.1	1855.2	1835.9	1819.1	1789.4	1770.0	1613.8
22.5°	1850.1	1899.1	2047.6	2090.2	1974.0	1873.3	1825.5	1838.4	1882.3	1977.9	1914.6
25°	2174.1	2220.6	2360.0	2245.1	2012.7	1844.9	1784.2	1815.2	1919.8	2126.4	2207.7
27.5°	2552.4	2587.3	2669.9	2351.0	2019.2	1821.7	1762.3	1810.0	1937.9	2219.3	2529.2
30°	2946.2	2966.8	2926.8	2379.4	1997.2	1786.8	1740.3	1810.0	1968.8	2281.3	2770.6
32.5°	3235.4	3239.2	3108.8	2382.0	1985.6	1758.4	1719.7	1802.3	1998.5	2332.9	3004.3
35°	3533.6	3514.2	3283.1	2420.7	2016.6	1768.7	1735.2	1824.2	2045.0	2393.6	3209.5
37.5°	3835.7	3800.8	3478.1	2484.0	2096.7	1881.1	1860.4	1936.6	2119.9	2477.5	3435.5
40°	4145.5	4097.8	3680.8	2579.5	2274.8	2263.2	2334.2	2325.2	2325.2	2584.7	3667.9
42.5°	4523.8	4468.3	3980.3	2849.3	2690.5	2950.0	3143.7	3023.6	2801.6	2831.3	3970.0
45°	5023.5	4975.7	4499.3	3365.8	3342.5	3939.0	4199.8	3962.2	3409.6	3400.6	4474.8
47.5°	5822.6	5813.6	5326.8	3964.8	4140.4	5197.7	5701.3	5244.2	4102.9	4003.5	5430.1
50°	6945.8	6918.7	6358.4	4667.1	5089.3	6757.3	7655.9	6894.2	4940.8	4707.1	6709.6
52.5°	8211.0	8239.4	7803.1	5434.0	6097.6	8492.5	9743.5	8784.3	5851.0	5601.8	8319.5
55°	9402.7	9565.3	9450.4	6331.3	7082.7	10408.4	12036.4	10857.7	6978.1	6772.8	10124.4
57.5°	10334.8	10793.1	11598.7	7635.2	8240.7	12649.7	14596.5	13105.4	8293.7	8674.5	12581.2
60°	10386.5	10993.2	12864.0	10363.2	9730.6	14572.0	17152.8	15301.5	10361.9	11903.4	14506.2
62.5°	9608.0	10258.6	12040.3	11602.6	11353.4	16207.8	18464.5	16902.4	12396.6	13794.8	13935.5
65°	8717.1	9374.3	11121.1	10196.7	11165.0	16138.1	18131.4	16939.8	12581.2	12508.9	12914.3
67.5°	7370.6	7960.6	9542.1	9025.7	10290.9	15359.6	16592.5	15872.1	11591.0	11699.4	11880.2
70°	5379.8	5947.8	7415.8	7441.6	8987.0	13956.2	14257.0	14157.6	10674.4	10789.3	10272.8
72.5°	3886.0	4365.0	5631.5	6102.8	7174.3	11703.3	11495.5	11878.9	9158.7	9609.2	8251.1
75°	2793.8	3152.7	4131.3	5308.8	5687.1	8691.3	8229.1	9200.0	7348.6	8274.3	6203.5
77.5°	1133.5	1260.1	1625.4	3576.2	3737.6	5847.1	5037.7	6682.4	5239.1	5436.6	3006.8
80°	46.5	51.6	67.1	1846.2	2562.7	3289.6	2695.7	3572.3	3460.0	2189.6	710.1
82.5°	5.2	5.2	11.6	531.9	1121.9	1815.2	1270.4	2057.9	1751.9	928.3	322.8
85°	1.3	1.3	2.6	60.7	263.4	290.5	171.7	631.3	814.6	379.6	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	11.6	12.9	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°	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0
2.5°	584.8	578.4	570.6	562.9	559.0	548.7	544.8	542.2	539.7	540.9	540.9
5°	565.5	551.3	534.5	517.7	508.7	498.3	493.2	490.6	491.9	497.1	497.1
7.5°	562.9	535.8	499.6	477.7	467.4	459.6	454.4	451.9	453.2	459.6	462.2
10°	605.5	557.7	493.2	455.7	444.1	436.4	431.2	427.3	424.8	429.9	431.2
12.5°	697.2	631.3	524.2	453.2	432.5	422.2	418.3	410.6	406.7	409.3	410.6
15°	886.9	773.3	586.1	463.5	422.2	410.6	404.1	397.6	391.2	389.9	391.2
17.5°	1134.8	972.2	680.4	488.0	414.4	400.2	391.2	382.1	373.1	371.8	370.5
20°	1442.1	1216.2	812.1	526.7	408.0	391.2	378.3	365.4	353.7	349.9	349.9
22.5°	1722.3	1510.5	981.2	574.5	398.9	378.3	362.8	347.3	334.4	327.9	326.6
25°	2064.4	1823.0	1183.9	630.0	386.0	361.5	344.7	329.2	316.3	308.6	306.0
27.5°	2409.1	2152.2	1413.7	702.3	370.5	344.7	329.2	315.0	300.8	291.8	289.2
30°	2743.5	2507.2	1671.9	792.7	358.9	327.9	315.0	300.8	287.9	273.7	269.8
32.5°	3102.4	2870.0	1961.1	893.4	349.9	316.3	302.1	289.2	272.4	259.5	253.0
35°	3448.4	3244.4	2280.0	991.5	340.8	306.0	290.5	277.6	259.5	245.3	236.3
37.5°	3797.0	3625.3	2613.1	1050.9	327.9	291.8	277.6	267.2	246.6	229.8	219.5
40°	4166.2	4019.0	2973.3	1026.4	316.3	276.3	268.5	256.9	233.7	214.3	201.4
42.5°	4571.6	4394.7	3339.9	932.1	306.0	263.4	255.6	244.0	222.1	198.8	182.0
45°	5081.6	4806.6	3640.7	790.1	311.1	250.5	235.0	232.4	211.7	182.0	161.4
47.5°	5958.2	5439.2	3874.4	698.5	346.0	236.3	218.2	224.6	202.7	165.3	142.0
50°	7299.6	6487.5	4092.6	692.0	398.9	229.8	202.7	219.5	193.7	148.5	125.2
52.5°	8577.7	7552.6	4232.0	748.8	445.4	246.6	187.2	213.0	187.2	136.9	113.6
55°	9800.3	8167.1	3982.9	790.1	489.3	296.9	175.6	202.7	179.5	130.4	109.7
57.5°	11118.5	8440.8	3135.9	874.0	520.3	339.5	178.2	187.2	169.1	126.5	108.4
60°	11512.2	8091.0	1892.7	983.8	503.5	352.5	197.5	166.5	154.9	118.8	104.6
62.5°	10900.3	7260.8	1116.8	896.0	489.3	333.1	225.9	153.6	140.7	108.4	96.8
65°	9984.9	6133.8	728.1	756.6	519.0	296.9	240.1	147.2	127.8	98.1	85.2
67.5°	8939.2	4940.8	510.0	446.7	479.0	267.2	202.7	145.9	114.9	82.6	69.7
70°	7529.4	3700.1	358.9	295.6	398.9	237.6	157.5	142.0	100.7	67.1	54.2
72.5°	5817.4	2316.1	267.2	191.1	284.0	193.7	125.2	120.1	81.3	55.5	41.3
75°	4290.1	1320.7	188.5	138.1	187.2	147.2	93.0	85.2	69.7	52.9	37.4
77.5°	2240.0	661.0	117.5	105.9	107.2	91.7	67.1	62.0	64.6	52.9	34.9
80°	429.9	131.7	71.0	77.5	58.1	58.1	49.1	51.6	56.8	42.6	29.7
82.5°	179.5	28.4	38.7	43.9	36.1	40.0	40.0	41.3	40.0	31.0	21.9
85°	0.0	0.0	16.8	18.1	24.5	24.5	20.7	20.7	20.7	18.1	12.9
87.5°	0.0	0.0	0.0	0.0	1.3	3.9	7.7	9.0	10.3	7.7	5.2
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0
2.5°	539.7	537.1	540.9	543.5	546.1	546.1	543.5	540.9	537.1	540.9	537.1
5°	498.3	502.2	508.7	511.3	513.8	508.7	506.1	498.3	491.9	493.2	490.6
7.5°	466.1	469.9	477.7	482.9	482.9	480.3	472.5	464.8	454.4	454.4	453.2
10°	436.4	441.5	450.6	457.0	459.6	457.0	449.3	439.0	429.9	429.9	426.0
12.5°	411.8	418.3	428.6	437.7	440.2	437.7	429.9	419.6	409.3	409.3	406.7
15°	391.2	398.9	410.6	420.9	424.8	420.9	411.8	398.9	388.6	389.9	386.0
17.5°	371.8	378.3	393.8	405.4	409.3	405.4	393.8	377.0	366.7	369.2	366.7
20°	349.9	357.6	373.1	386.0	389.9	386.0	373.1	355.0	344.7	344.7	346.0
22.5°	326.6	334.4	349.9	358.9	364.1	360.2	347.3	330.5	320.2	320.2	321.5
25°	306.0	309.9	321.5	330.5	331.8	327.9	317.6	304.7	296.9	300.8	302.1
27.5°	286.6	286.6	291.8	296.9	295.6	291.8	287.9	277.6	276.3	280.2	284.0
30°	266.0	259.5	256.9	253.0	251.8	250.5	254.3	254.3	256.9	262.1	266.0
32.5°	247.9	235.0	223.4	211.7	205.3	210.4	220.8	229.8	238.8	246.6	250.5
35°	227.2	206.6	187.2	171.7	161.4	169.1	185.9	202.7	218.2	228.5	235.0
37.5°	206.6	176.9	153.6	134.3	126.5	133.0	151.1	174.3	197.5	210.4	219.5
40°	184.6	147.2	120.1	104.6	96.8	103.3	121.4	144.6	175.6	192.4	204.0
42.5°	162.7	121.4	96.8	81.3	77.5	81.3	95.5	118.8	152.3	173.0	188.5
45°	140.7	100.7	77.5	65.8	62.0	65.8	77.5	96.8	130.4	153.6	171.7
47.5°	121.4	85.2	64.6	54.2	51.6	55.5	64.6	81.3	109.7	133.0	153.6
50°	105.9	74.9	55.5	46.5	43.9	47.8	55.5	68.4	93.0	113.6	135.6
52.5°	95.5	69.7	49.1	40.0	38.7	41.3	47.8	58.1	78.8	96.8	117.5
55°	93.0	69.7	45.2	36.1	34.9	37.4	42.6	50.4	68.4	83.9	102.0
57.5°	95.5	74.9	42.6	31.0	29.7	32.3	37.4	43.9	59.4	72.3	89.1
60°	95.5	76.2	37.4	24.5	23.2	25.8	31.0	38.7	52.9	63.3	77.5
62.5°	86.5	69.7	31.0	19.4	16.8	19.4	25.8	32.3	46.5	56.8	68.4
65°	74.9	59.4	25.8	14.2	11.6	14.2	20.7	27.1	40.0	49.1	62.0
67.5°	60.7	45.2	19.4	10.3	7.7	10.3	15.5	21.9	33.6	42.6	55.5
70°	45.2	32.3	15.5	9.0	7.7	9.0	14.2	20.7	29.7	38.7	51.6
72.5°	33.6	21.9	12.9	9.0	6.5	9.0	12.9	19.4	28.4	37.4	49.1
75°	28.4	18.1	11.6	7.7	6.5	7.7	11.6	18.1	25.8	34.9	46.5
77.5°	27.1	16.8	10.3	6.5	5.2	6.5	10.3	15.5	23.2	32.3	45.2
80°	23.2	14.2	9.0	5.2	3.9	5.2	9.0	12.9	18.1	24.5	34.9
82.5°	18.1	11.6	6.5	2.6	1.3	2.6	6.5	7.7	11.6	14.2	20.7
85°	11.6	6.5	2.6	0.0	0.0	0.0	2.6	5.2	5.2	6.5	10.3
87.5°	5.2	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	3.9
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0	581.0
2.5°	544.8	546.1	548.7	552.6	561.6	569.4	577.1	587.4	592.6	592.6
5°	493.2	494.5	495.8	500.9	513.8	524.2	540.9	561.6	571.9	574.5
7.5°	453.2	455.7	458.3	462.2	475.1	489.3	511.3	550.0	569.4	573.2
10°	429.9	433.8	439.0	446.7	458.3	473.8	511.3	581.0	613.2	619.7
12.5°	411.8	418.3	423.5	432.5	446.7	471.2	546.1	668.8	725.6	741.1
15°	393.8	401.5	409.3	418.3	433.8	480.3	613.2	826.3	920.5	932.1
17.5°	375.7	384.7	395.1	405.4	424.8	502.2	719.1	1044.5	1176.1	1202.0
20°	355.0	366.7	380.9	393.8	415.7	537.1	866.3	1304.0	1469.2	1524.7
22.5°	333.1	347.3	364.1	380.9	405.4	579.7	1044.5	1582.8	1813.9	1850.1
25°	315.0	329.2	344.7	361.5	388.6	631.3	1260.1	1928.8	2139.3	2174.1
27.5°	298.2	312.4	326.6	342.1	371.8	698.5	1519.6	2296.8	2516.2	2552.4
30°	280.2	296.9	311.1	326.6	356.3	781.1	1819.1	2704.7	2912.6	2946.2
32.5°	264.7	281.4	295.6	311.1	344.7	871.5	2134.1	3066.2	3235.4	3235.4
35°	251.8	269.8	280.2	300.8	335.7	929.6	2432.3	3410.9	3538.8	3533.6
37.5°	237.6	259.5	267.2	281.4	324.1	936.0	2712.5	3775.0	3869.3	3835.7
40°	223.4	246.6	258.2	266.0	311.1	883.1	3019.8	4109.4	4189.4	4145.5
42.5°	210.4	228.5	245.3	254.3	303.4	790.1	3266.3	4467.0	4562.6	4523.8
45°	197.5	213.0	223.4	240.1	308.6	725.6	3478.1	4884.0	5051.9	5023.5
47.5°	184.6	197.5	204.0	229.8	343.4	695.9	3607.2	5529.5	5845.8	5822.6
50°	170.4	185.9	185.9	227.2	395.1	706.2	3719.5	6464.3	6953.6	6945.8
52.5°	156.2	173.0	170.4	246.6	435.1	754.0	3847.3	7289.2	8140.0	8211.0
55°	142.0	157.5	160.1	285.3	458.3	795.3	3352.8	7636.5	9153.5	9402.7
57.5°	126.5	135.6	166.5	315.0	450.6	915.4	2296.8	7699.8	9800.3	10334.8
60°	109.7	117.5	188.5	308.6	426.0	845.6	1446.0	7131.7	9708.7	10386.5
62.5°	95.5	108.4	198.8	272.4	433.8	733.3	921.8	6078.2	8834.6	9608.0
65°	83.9	104.6	180.7	246.6	439.0	497.1	622.3	4944.7	7981.2	8717.1
67.5°	74.9	116.2	148.5	219.5	377.0	349.9	427.3	3842.1	6710.8	7370.6
70°	68.4	118.8	121.4	188.5	291.8	224.6	281.4	2586.0	4625.8	5379.8
72.5°	62.0	87.8	91.7	151.1	188.5	136.9	182.0	1479.5	3372.2	3886.0
75°	59.4	59.4	63.3	98.1	104.6	99.4	117.5	883.1	2418.1	2793.8
77.5°	55.5	45.2	40.0	63.3	56.8	71.0	69.7	392.5	1048.3	1133.5
80°	43.9	32.3	27.1	40.0	38.7	47.8	41.3	32.3	47.8	46.5
82.5°	27.1	20.7	19.4	24.5	21.9	24.5	19.4	5.2	5.2	5.2
85°	12.9	11.6	10.3	10.3	11.6	10.3	7.7	2.6	1.3	1.3
87.5°	6.5	6.5	5.2	3.9	5.2	5.2	3.9	1.3	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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