

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: P635845

Luminaire Tested: GWS-SA3E-750-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635845
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-SA3E-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13960.6 lumens
Efficiency: N/A
Efficacy: 87.7 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

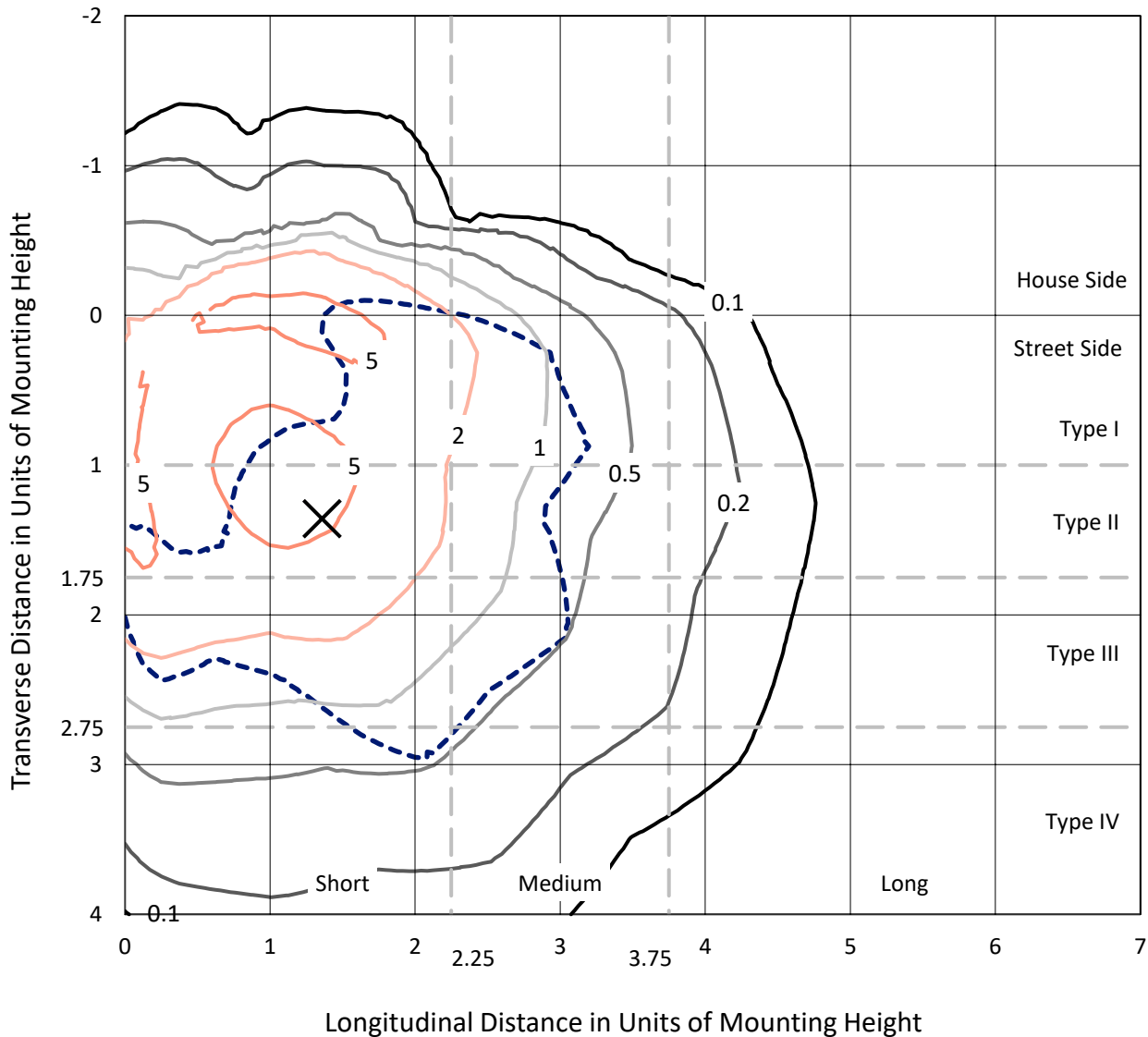
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

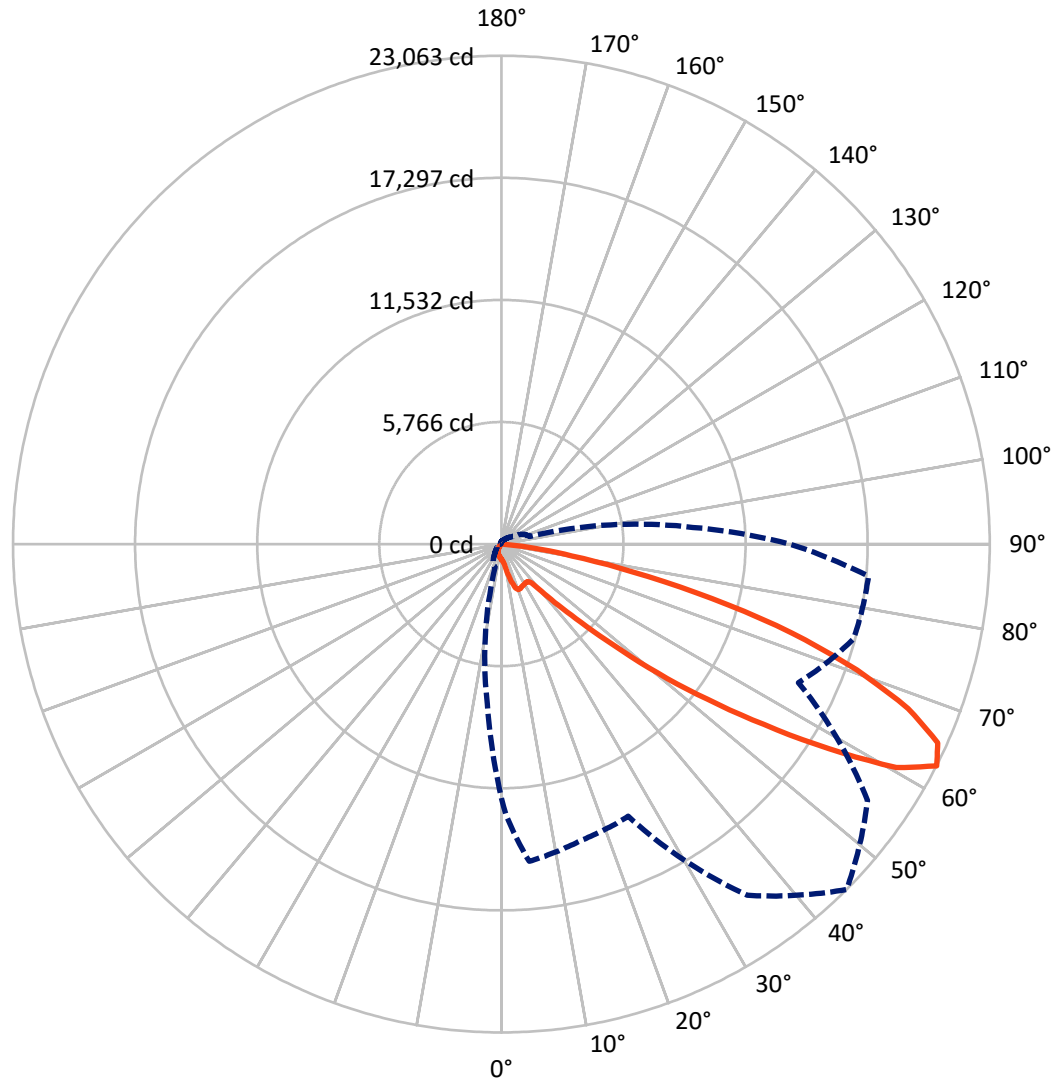
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.1 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	1722.7	0.0	1722.7
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	12237.9	0.0	12237.9
	% Fixture	87.7	0.0	87.7
Total	Lumens	13960.6	0.0	13960.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.4	0.5
10°-20°	243.4	1.7
20°-30°	529.1	3.8
30°-40°	868.4	6.2
40°-50°	1596.5	11.4
50°-60°	3428.5	24.6
60°-70°	4605.0	33.0
70°-80°	2397.9	17.2
80°-90°	227.4	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°	13960.6	100.0
0°-180°	13960.6	100.0

Coefficient of Utilization

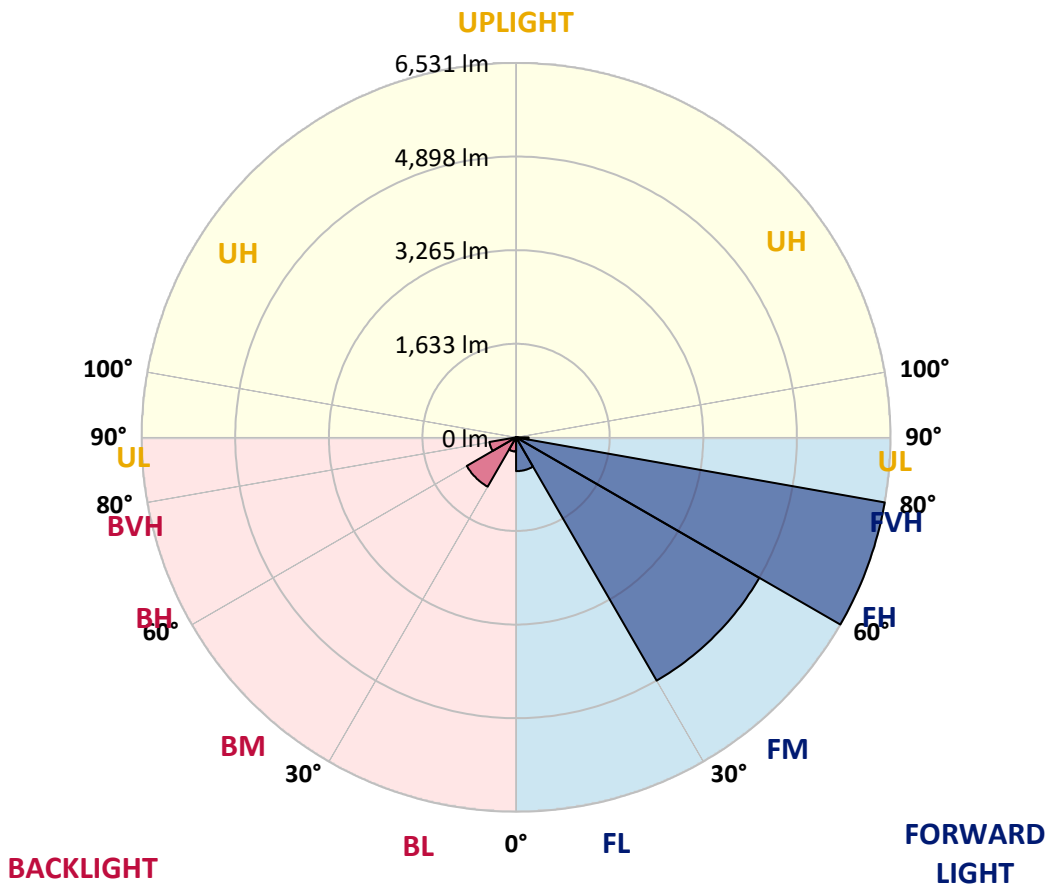


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	589.8	4.2			
FM (30°-60°)	4900.0	35.1			
FH (60°-80°)	6530.9	46.8			G3/7500
FVH (80°-90°)	217.2	1.6			G2/225
BL (0°-30°)	247.1	1.8	B1/500		
BM (30°-60°)	993.4	7.1	B1/1000		
BH (60°-80°)	472.0	3.4	B1/500		G1/500
BVH (80°-90°)	10.1	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	725.7	725.7	725.7	725.7	725.7	725.7	725.7	725.7	725.7	725.7	725.7
2.5°	740.2	743.4	746.6	757.9	766.0	772.4	774.0	769.2	757.9	746.6	730.5
5°	717.6	720.8	732.1	762.7	793.4	817.6	825.6	820.8	793.4	757.9	720.8
7.5°	716.0	722.4	749.8	814.4	880.5	930.5	943.4	932.1	880.5	809.5	733.7
10°	774.0	785.3	825.6	941.7	1062.7	1151.4	1186.9	1138.5	1056.2	927.2	803.1
12.5°	925.6	945.0	1022.4	1191.7	1378.8	1496.5	1544.8	1485.2	1356.2	1169.1	972.4
15°	1164.3	1193.3	1309.4	1562.6	1783.5	1888.3	1904.5	1870.6	1720.6	1514.2	1249.7
17.5°	1501.3	1543.2	1723.8	1981.9	2141.5	2178.6	2173.8	2138.3	2028.6	1886.7	1636.8
20°	1904.5	1954.4	2131.8	2344.7	2360.8	2317.3	2293.1	2272.1	2235.0	2210.8	2015.7
22.5°	2310.8	2372.1	2557.5	2610.8	2465.6	2339.8	2280.2	2296.3	2351.1	2470.5	2391.4
25°	2715.6	2773.6	2947.8	2804.3	2514.0	2304.4	2228.6	2267.3	2397.9	2655.9	2757.5
27.5°	3188.1	3231.6	3334.8	2936.5	2522.1	2275.3	2201.2	2260.8	2420.5	2772.0	3159.0
30°	3679.9	3705.7	3655.7	2972.0	2494.7	2231.8	2173.8	2260.8	2459.2	2849.4	3460.6
32.5°	4041.1	4046.0	3883.1	2975.2	2480.1	2196.3	2148.0	2251.2	2496.3	2913.9	3752.5
35°	4413.6	4389.4	4100.8	3023.6	2518.8	2209.2	2167.3	2278.6	2554.3	2989.7	4008.9
37.5°	4791.0	4747.4	4344.3	3102.6	2618.8	2349.5	2323.7	2418.9	2647.8	3094.5	4291.1
40°	5178.0	5118.3	4597.5	3221.9	2841.4	2826.8	2915.5	2904.2	2904.2	3228.4	4581.3
42.5°	5650.5	5581.1	4971.6	3559.0	3360.6	3684.7	3926.6	3776.7	3499.3	3536.4	4958.7
45°	6274.5	6214.9	5619.8	4204.0	4175.0	4920.0	5245.7	4949.0	4258.8	4247.5	5589.2
47.5°	7272.7	7261.4	6653.5	4952.2	5171.5	6492.2	7121.1	6550.3	5124.8	5000.6	6782.5
50°	8675.7	8641.8	7941.9	5829.5	6356.8	8440.2	9562.6	8611.2	6171.3	5879.5	8380.6
52.5°	10256.0	10291.5	9746.4	6787.3	7616.2	10607.5	12170.1	10972.0	7308.2	6997.0	10391.4
55°	11744.4	11947.6	11804.1	7908.1	8846.6	13000.6	15034.0	13561.8	8716.0	8459.6	12645.8
57.5°	12908.7	13481.1	14487.4	9536.8	10293.1	15800.0	18231.8	16369.3	10359.2	10834.9	15714.5
60°	12973.2	13731.1	16067.7	12944.1	12154.0	18201.1	21424.7	19112.2	12942.5	14867.9	18118.9
62.5°	12000.8	12813.5	15038.9	14492.2	14181.0	20244.3	23063.1	21111.8	15484.0	17230.4	17406.1
65°	10888.1	11708.9	13890.7	12736.1	13945.6	20157.2	22647.0	21158.6	15714.5	15624.2	16130.6
67.5°	9206.2	9943.1	11918.5	11273.5	12853.8	19184.8	20724.8	19825.0	14477.7	14613.2	14838.9
70°	6719.6	7429.1	9262.6	9294.9	11225.1	17431.9	17807.7	17683.5	13332.8	13476.3	12831.3
72.5°	4853.9	5452.1	7034.1	7622.6	8961.1	14618.0	14358.4	14837.3	11439.6	12002.4	10306.0
75°	3489.6	3937.9	5160.2	6630.9	7103.4	10855.9	10278.6	11491.2	9178.8	10335.0	7748.4
77.5°	1415.8	1573.9	2030.2	4466.8	4668.4	7303.4	6292.3	8346.7	6543.8	6790.6	3755.7
80°	58.1	64.5	83.9	2306.0	3201.0	4108.8	3367.1	4462.0	4321.7	2734.9	886.9
82.5°	6.5	6.5	14.5	664.4	1401.3	2267.3	1586.8	2570.4	2188.3	1159.4	403.1
85°	1.6	1.6	3.2	75.8	329.0	362.8	214.5	788.5	1017.5	474.1	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	14.5	16.1	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°	725.7	725.7	725.7	725.7	725.7	725.7	725.7	725.7	725.7	725.7	725.7
2.5°	730.5	722.4	712.8	703.1	698.2	685.3	680.5	677.3	674.1	675.7	675.7
5°	706.3	688.6	667.6	646.6	635.4	622.5	616.0	612.8	614.4	620.8	620.8
7.5°	703.1	669.2	624.1	596.7	583.8	574.1	567.6	564.4	566.0	574.1	577.3
10°	756.3	696.6	616.0	569.2	554.7	545.1	538.6	533.8	530.5	537.0	538.6
12.5°	870.8	788.5	654.7	566.0	540.2	527.3	522.5	512.8	508.0	511.2	512.8
15°	1107.8	965.9	732.1	578.9	527.3	512.8	504.7	496.7	488.6	487.0	488.6
17.5°	1417.5	1214.3	849.8	609.6	517.6	499.9	488.6	477.3	466.0	464.4	462.8
20°	1801.2	1519.0	1014.3	657.9	509.6	488.6	472.5	456.4	441.8	437.0	437.0
22.5°	2151.2	1886.7	1225.6	717.6	498.3	472.5	453.1	433.8	417.7	409.6	408.0
25°	2578.5	2277.0	1478.7	786.9	482.2	451.5	430.6	411.2	395.1	385.4	382.2
27.5°	3009.1	2688.2	1765.8	877.2	462.8	430.6	411.2	393.5	375.7	364.4	361.2
30°	3426.7	3131.6	2088.3	990.1	448.3	409.6	393.5	375.7	359.6	341.9	337.0
32.5°	3875.0	3584.8	2449.5	1115.9	437.0	395.1	377.3	361.2	340.3	324.1	316.1
35°	4307.2	4052.4	2847.8	1238.5	425.7	382.2	362.8	346.7	324.1	306.4	295.1
37.5°	4742.6	4528.1	3263.9	1312.6	409.6	364.4	346.7	333.8	308.0	287.0	274.1
40°	5203.8	5019.9	3713.8	1282.0	395.1	345.1	335.4	320.9	291.9	267.7	251.6
42.5°	5710.1	5489.2	4171.7	1164.3	382.2	329.0	319.3	304.8	277.4	248.3	227.4
45°	6347.1	6003.6	4547.5	986.9	388.6	312.8	293.5	290.3	264.5	227.4	201.6
47.5°	7442.0	6793.8	4839.3	872.4	432.2	295.1	272.5	280.6	253.2	206.4	177.4
50°	9117.5	8103.2	5111.9	864.3	498.3	287.0	253.2	274.1	241.9	185.4	156.4
52.5°	10714.0	9433.6	5286.0	935.3	556.3	308.0	233.8	266.1	233.8	170.9	141.9
55°	12241.1	10201.2	4974.8	986.9	611.2	370.9	219.3	253.2	224.1	162.9	137.1
57.5°	13887.5	10543.0	3916.9	1091.7	649.9	424.1	222.5	233.8	211.2	158.0	135.5
60°	14379.3	10106.0	2364.0	1228.8	628.9	440.2	246.7	208.0	193.5	148.4	130.6
62.5°	13615.0	9069.1	1394.9	1119.1	611.2	416.0	282.2	191.9	175.8	135.5	120.9
65°	12471.7	7661.3	909.5	945.0	648.3	370.9	299.9	183.8	159.6	122.6	106.4
67.5°	11165.5	6171.3	637.0	558.0	598.3	333.8	253.2	182.2	143.5	103.2	87.1
70°	9404.5	4621.6	448.3	369.3	498.3	296.7	196.7	177.4	125.8	83.9	67.7
72.5°	7266.3	2893.0	333.8	238.7	354.8	241.9	156.4	150.0	101.6	69.3	51.6
75°	5358.6	1649.7	235.4	172.5	233.8	183.8	116.1	106.4	87.1	66.1	46.8
77.5°	2797.8	825.6	146.7	132.2	133.8	114.5	83.9	77.4	80.6	66.1	43.5
80°	537.0	164.5	88.7	96.8	72.6	72.6	61.3	64.5	71.0	53.2	37.1
82.5°	224.1	35.5	48.4	54.8	45.2	50.0	50.0	51.6	50.0	38.7	27.4
85°	0.0	0.0	21.0	22.6	30.6	30.6	25.8	25.8	25.8	22.6	16.1
87.5°	0.0	0.0	0.0	0.0	1.6	4.8	9.7	11.3	12.9	9.7	6.5
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°	725.7	725.7	725.7	725.7	725.7	725.7	725.7	725.7	725.7	725.7	725.7
2.5°	674.1	670.8	675.7	678.9	682.1	682.1	678.9	675.7	670.8	675.7	670.8
5°	622.5	627.3	635.4	638.6	641.8	635.4	632.1	622.5	614.4	616.0	612.8
7.5°	582.1	587.0	596.7	603.1	603.1	599.9	590.2	580.5	567.6	567.6	566.0
10°	545.1	551.5	562.8	570.9	574.1	570.9	561.2	548.3	537.0	537.0	532.1
12.5°	514.4	522.5	535.4	546.7	549.9	546.7	537.0	524.1	511.2	511.2	508.0
15°	488.6	498.3	512.8	525.7	530.5	525.7	514.4	498.3	485.4	487.0	482.2
17.5°	464.4	472.5	491.8	506.3	511.2	506.3	491.8	470.9	458.0	461.2	458.0
20°	437.0	446.7	466.0	482.2	487.0	482.2	466.0	443.5	430.6	430.6	432.2
22.5°	408.0	417.7	437.0	448.3	454.7	449.9	433.8	412.8	399.9	399.9	401.5
25°	382.2	387.0	401.5	412.8	414.4	409.6	396.7	380.6	370.9	375.7	377.3
27.5°	358.0	358.0	364.4	370.9	369.3	364.4	359.6	346.7	345.1	349.9	354.8
30°	332.2	324.1	320.9	316.1	314.5	312.8	317.7	317.7	320.9	327.4	332.2
32.5°	309.6	293.5	279.0	264.5	256.4	262.8	275.8	287.0	298.3	308.0	312.8
35°	283.8	258.0	233.8	214.5	201.6	211.2	232.2	253.2	272.5	285.4	293.5
37.5°	258.0	220.9	191.9	167.7	158.0	166.1	188.7	217.7	246.7	262.8	274.1
40°	230.6	183.8	150.0	130.6	120.9	129.0	151.6	180.6	219.3	240.3	254.8
42.5°	203.2	151.6	120.9	101.6	96.8	101.6	119.3	148.4	190.3	216.1	235.4
45°	175.8	125.8	96.8	82.2	77.4	82.2	96.8	120.9	162.9	191.9	214.5
47.5°	151.6	106.4	80.6	67.7	64.5	69.3	80.6	101.6	137.1	166.1	191.9
50°	132.2	93.5	69.3	58.1	54.8	59.7	69.3	85.5	116.1	141.9	169.3
52.5°	119.3	87.1	61.3	50.0	48.4	51.6	59.7	72.6	98.4	120.9	146.7
55°	116.1	87.1	56.4	45.2	43.5	46.8	53.2	62.9	85.5	104.8	127.4
57.5°	119.3	93.5	53.2	38.7	37.1	40.3	46.8	54.8	74.2	90.3	111.3
60°	119.3	95.1	46.8	30.6	29.0	32.3	38.7	48.4	66.1	79.0	96.8
62.5°	108.0	87.1	38.7	24.2	21.0	24.2	32.3	40.3	58.1	71.0	85.5
65°	93.5	74.2	32.3	17.7	14.5	17.7	25.8	33.9	50.0	61.3	77.4
67.5°	75.8	56.4	24.2	12.9	9.7	12.9	19.4	27.4	41.9	53.2	69.3
70°	56.4	40.3	19.4	11.3	9.7	11.3	17.7	25.8	37.1	48.4	64.5
72.5°	41.9	27.4	16.1	11.3	8.1	11.3	16.1	24.2	35.5	46.8	61.3
75°	35.5	22.6	14.5	9.7	8.1	9.7	14.5	22.6	32.3	43.5	58.1
77.5°	33.9	21.0	12.9	8.1	6.5	8.1	12.9	19.4	29.0	40.3	56.4
80°	29.0	17.7	11.3	6.5	4.8	6.5	11.3	16.1	22.6	30.6	43.5
82.5°	22.6	14.5	8.1	3.2	1.6	3.2	8.1	9.7	14.5	17.7	25.8
85°	14.5	8.1	3.2	0.0	0.0	0.0	3.2	6.5	6.5	8.1	12.9
87.5°	6.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.8
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°	725.7	725.7	725.7	725.7	725.7	725.7	725.7	725.7	725.7	725.7
2.5°	680.5	682.1	685.3	690.2	701.5	711.1	720.8	733.7	740.2	740.2
5°	616.0	617.6	619.2	625.7	641.8	654.7	675.7	701.5	714.4	717.6
7.5°	566.0	569.2	572.5	577.3	593.4	611.2	638.6	687.0	711.1	716.0
10°	537.0	541.8	548.3	558.0	572.5	591.8	638.6	725.7	766.0	774.0
12.5°	514.4	522.5	528.9	540.2	558.0	588.6	682.1	835.3	906.3	925.6
15°	491.8	501.5	511.2	522.5	541.8	599.9	766.0	1032.0	1149.8	1164.3
17.5°	469.3	480.5	493.4	506.3	530.5	627.3	898.2	1304.6	1469.1	1501.3
20°	443.5	458.0	475.7	491.8	519.2	670.8	1082.0	1628.7	1835.1	1904.5
22.5°	416.0	433.8	454.7	475.7	506.3	724.0	1304.6	1977.0	2265.7	2310.8
25°	393.5	411.2	430.6	451.5	485.4	788.5	1573.9	2409.2	2672.0	2715.6
27.5°	372.5	390.2	408.0	427.3	464.4	872.4	1898.0	2868.8	3142.9	3188.1
30°	349.9	370.9	388.6	408.0	445.1	975.6	2272.1	3378.3	3638.0	3679.9
32.5°	330.6	351.5	369.3	388.6	430.6	1088.5	2665.6	3829.9	4041.1	4041.1
35°	314.5	337.0	349.9	375.7	419.3	1161.1	3038.1	4260.4	4420.1	4413.6
37.5°	296.7	324.1	333.8	351.5	404.8	1169.1	3388.0	4715.2	4832.9	4791.0
40°	279.0	308.0	322.5	332.2	388.6	1103.0	3771.8	5132.8	5232.8	5178.0
42.5°	262.8	285.4	306.4	317.7	379.0	986.9	4079.8	5579.5	5698.8	5650.5
45°	246.7	266.1	279.0	299.9	385.4	906.3	4344.3	6100.4	6310.0	6274.5
47.5°	230.6	246.7	254.8	287.0	428.9	869.2	4505.5	6906.7	7301.7	7272.7
50°	212.9	232.2	232.2	283.8	493.4	882.1	4645.8	8074.2	8685.3	8675.7
52.5°	195.1	216.1	212.9	308.0	543.4	941.7	4805.5	9104.6	10167.3	10256.0
55°	177.4	196.7	200.0	356.4	572.5	993.3	4187.9	9538.4	11433.2	11744.4
57.5°	158.0	169.3	208.0	393.5	562.8	1143.3	2868.8	9617.4	12241.1	12908.7
60°	137.1	146.7	235.4	385.4	532.1	1056.2	1806.1	8907.9	12126.6	12973.2
62.5°	119.3	135.5	248.3	340.3	541.8	915.9	1151.4	7592.0	11034.9	12000.8
65°	104.8	130.6	225.8	308.0	548.3	620.8	777.3	6176.2	9968.9	10888.1
67.5°	93.5	145.1	185.4	274.1	470.9	437.0	533.8	4799.0	8382.2	9206.2
70°	85.5	148.4	151.6	235.4	364.4	280.6	351.5	3230.0	5777.9	6719.6
72.5°	77.4	109.7	114.5	188.7	235.4	170.9	227.4	1848.0	4212.0	4853.9
75°	74.2	74.2	79.0	122.6	130.6	124.2	146.7	1103.0	3020.4	3489.6
77.5°	69.3	56.4	50.0	79.0	71.0	88.7	87.1	490.2	1309.4	1415.8
80°	54.8	40.3	33.9	50.0	48.4	59.7	51.6	40.3	59.7	58.1
82.5°	33.9	25.8	24.2	30.6	27.4	30.6	24.2	6.5	6.5	6.5
85°	16.1	14.5	12.9	12.9	14.5	12.9	9.7	3.2	1.6	1.6
87.5°	8.1	8.1	6.5	4.8	6.5	6.5	4.8	1.6	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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