

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: P636285

Luminaire Tested: GWS-SA3F-740-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636285
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15173.9 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

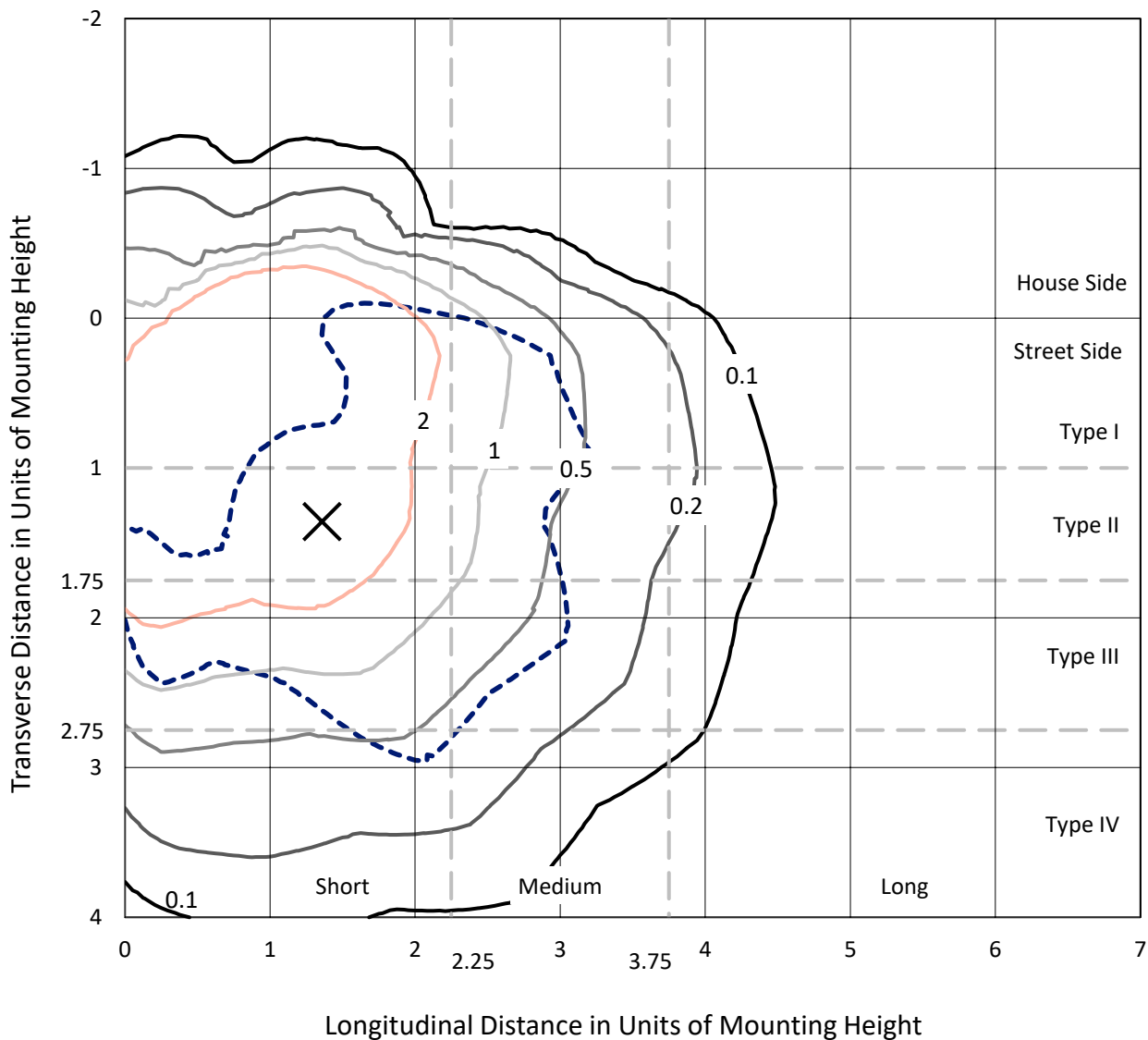
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

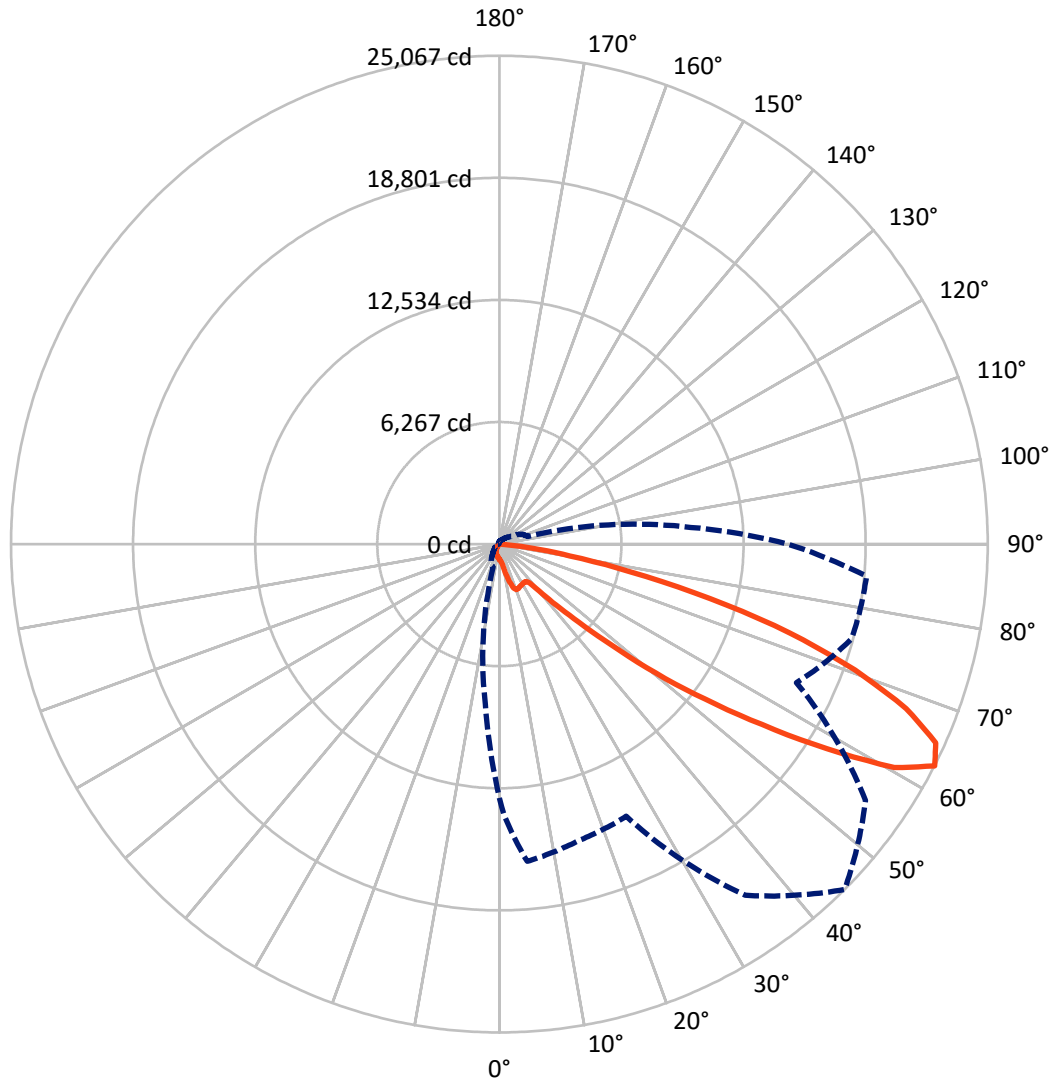
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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	1872.4	0.0	1872.4
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	13301.5	0.0	13301.5
	% Fixture	87.7	0.0	87.7
Total	Lumens	15173.9	0.0	15173.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.0	0.5
10°-20°	264.6	1.7
20°-30°	575.1	3.8
30°-40°	943.9	6.2
40°-50°	1735.2	11.4
50°-60°	3726.5	24.6
60°-70°	5005.3	33.0
70°-80°	2606.3	17.2
80°-90°	247.1	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°	15173.9	100.0
0°-180°	15173.9	100.0

Coefficient of Utilization



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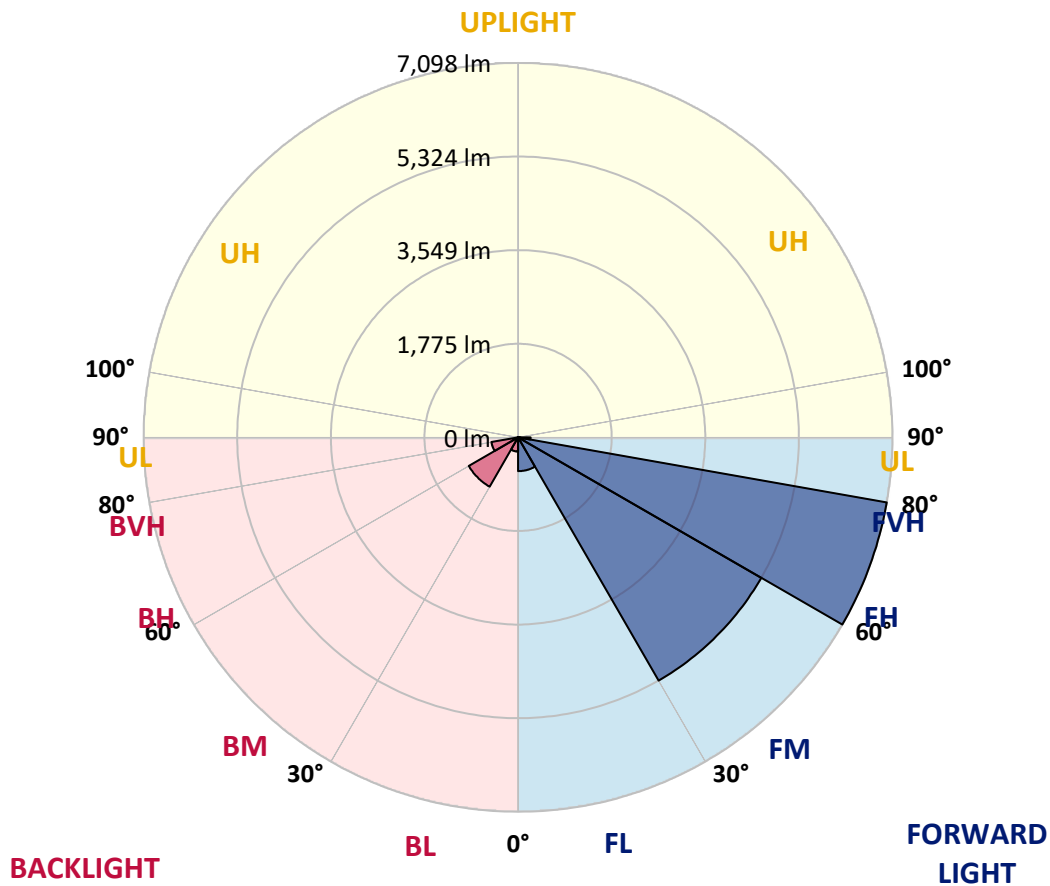
CATALOG NUMBER: GWS-SA3F-740-U-SLR-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	641.0	4.2			
FM (30°-60°)	5325.9	35.1			
FH (60°-80°)	7098.5	46.8			G3/7500
FVH (80°-90°)	236.1	1.6			G3/500
BL (0°-30°)	268.6	1.8	B1/500		
BM (30°-60°)	1079.8	7.1	B2/2500		
BH (60°-80°)	513.1	3.4	B2/1000		G2/1000
BVH (80°-90°)	11.0	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-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7
2.5°	804.5	808.0	811.5	823.8	832.5	839.6	841.3	836.0	823.8	811.5	794.0
5°	780.0	783.5	795.7	829.0	862.3	888.6	897.4	892.1	862.3	823.8	783.5
7.5°	778.2	785.2	815.0	885.1	957.0	1011.3	1025.3	1013.1	957.0	879.9	797.5
10°	841.3	853.6	897.4	1023.6	1155.0	1251.4	1290.0	1237.4	1148.0	1007.8	872.9
12.5°	1006.1	1027.1	1111.2	1295.3	1498.6	1626.5	1679.1	1614.3	1474.0	1270.7	1056.9
15°	1265.5	1297.0	1423.2	1698.4	1938.5	2052.4	2070.0	2033.2	1870.2	1645.8	1358.4
17.5°	1631.8	1677.4	1873.7	2154.1	2327.6	2367.9	2362.7	2324.1	2204.9	2050.7	1779.0
20°	2070.0	2124.3	2317.1	2548.5	2566.0	2518.7	2492.4	2469.6	2429.3	2403.0	2190.9
22.5°	2511.7	2578.3	2779.8	2837.7	2679.9	2543.2	2478.3	2495.9	2555.5	2685.2	2599.3
25°	2951.6	3014.7	3204.0	3048.0	2732.5	2504.6	2422.3	2464.3	2606.3	2886.7	2997.2
27.5°	3465.1	3512.5	3624.6	3191.7	2741.3	2473.1	2392.5	2457.3	2630.8	3012.9	3433.6
30°	3999.7	4027.8	3973.4	3230.3	2711.5	2425.8	2362.7	2457.3	2672.9	3097.1	3761.3
32.5°	4392.3	4397.6	4220.6	3233.8	2695.7	2387.2	2334.6	2446.8	2713.2	3167.2	4078.6
35°	4797.2	4770.9	4457.2	3286.4	2737.8	2401.2	2355.7	2476.6	2776.3	3249.5	4357.3
37.5°	5207.3	5160.0	4721.8	3372.2	2846.4	2553.7	2525.7	2629.1	2878.0	3363.5	4664.0
40°	5628.0	5563.1	4997.0	3501.9	3088.3	3072.5	3168.9	3156.7	3156.7	3509.0	4979.5
42.5°	6141.5	6066.2	5403.6	3868.3	3652.7	4005.0	4267.9	4104.9	3803.4	3843.7	5389.6
45°	6819.8	6755.0	6108.2	4569.3	4537.8	5347.6	5701.6	5379.1	4628.9	4616.7	6074.9
47.5°	7904.8	7892.5	7231.7	5382.6	5621.0	7056.5	7740.0	7119.6	5570.2	5435.2	7372.0
50°	9429.6	9392.8	8632.2	6336.1	6909.2	9173.8	10393.6	9359.5	6707.7	6390.4	9108.9
52.5°	11147.3	11185.9	10593.5	7377.2	8278.1	11529.4	13227.8	11925.5	7943.3	7605.1	11294.5
55°	12765.1	12985.9	12829.9	8595.4	9615.4	14130.4	16340.6	14740.4	9473.5	9194.8	13744.9
57.5°	14030.5	14652.8	15746.5	10365.6	11187.6	17173.2	19816.3	17791.9	11259.5	11776.5	17080.3
60°	14100.7	14924.4	17464.1	14069.1	13210.3	19783.0	23286.7	20773.3	14067.4	16160.1	19693.6
62.5°	13043.8	13927.1	16345.9	15751.7	15413.4	22003.7	25067.4	22946.6	16829.6	18727.8	18918.9
65°	11834.4	12726.5	15098.0	13843.0	15157.5	21909.0	24615.2	22997.5	17080.3	16982.1	17532.5
67.5°	10006.3	10807.3	12954.4	12253.3	13971.0	20852.1	22526.0	21548.0	15735.9	15883.2	16128.6
70°	7303.6	8074.8	10067.6	10102.7	12200.7	18946.9	19355.3	19220.4	14491.5	14647.5	13946.4
72.5°	5275.7	5926.0	7645.4	8285.1	9739.9	15888.4	15606.2	16126.8	12433.8	13045.5	11201.7
75°	3792.9	4280.1	5608.7	7207.2	7720.7	11799.3	11171.9	12489.9	9976.5	11233.2	8421.8
77.5°	1538.9	1710.7	2206.7	4855.0	5074.1	7938.1	6839.1	9072.1	7112.5	7380.7	4082.1
80°	63.1	70.1	91.1	2506.4	3479.2	4465.9	3659.7	4849.8	4697.3	2972.6	964.0
82.5°	7.0	7.0	15.8	722.1	1523.1	2464.3	1724.7	2793.8	2378.4	1260.2	438.2
85°	1.8	1.8	3.5	82.4	357.6	394.4	233.1	857.1	1106.0	515.3	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	15.8	17.5	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°	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7
2.5°	794.0	785.2	774.7	764.2	758.9	744.9	739.6	736.1	732.6	734.4	734.4
5°	767.7	748.4	725.6	702.8	690.6	676.6	669.5	666.0	667.8	674.8	674.8
7.5°	764.2	727.4	678.3	648.5	634.5	624.0	617.0	613.5	615.2	624.0	627.5
10°	822.0	757.2	669.5	618.7	602.9	592.4	585.4	580.2	576.6	583.7	585.4
12.5°	946.5	857.1	711.6	615.2	587.2	573.1	567.9	557.4	552.1	555.6	557.4
15°	1204.1	1049.9	795.7	629.2	573.1	557.4	548.6	539.8	531.1	529.3	531.1
17.5°	1540.6	1319.8	923.7	662.5	562.6	543.3	531.1	518.8	506.5	504.8	503.0
20°	1957.8	1651.1	1102.5	715.1	553.9	531.1	513.5	496.0	480.2	475.0	475.0
22.5°	2338.1	2050.7	1332.1	780.0	541.6	513.5	492.5	471.5	454.0	445.2	443.4
25°	2802.6	2474.8	1607.2	855.3	524.1	490.8	468.0	446.9	429.4	418.9	415.4
27.5°	3270.6	2921.8	1919.2	953.5	503.0	468.0	446.9	427.7	408.4	396.1	392.6
30°	3724.5	3403.8	2269.8	1076.2	487.3	445.2	427.7	408.4	390.9	371.6	366.3
32.5°	4211.8	3896.3	2662.4	1212.9	475.0	429.4	410.1	392.6	369.8	352.3	343.5
35°	4681.5	4404.6	3095.3	1346.1	462.7	415.4	394.4	376.8	352.3	333.0	320.7
37.5°	5154.8	4921.6	3547.5	1426.7	445.2	396.1	376.8	362.8	334.8	312.0	298.0
40°	5656.0	5456.2	4036.5	1393.4	429.4	375.1	364.6	348.8	317.2	291.0	273.4
42.5°	6206.4	5966.3	4534.3	1265.5	415.4	357.6	347.0	331.3	301.5	269.9	247.1
45°	6898.7	6525.4	4942.7	1072.7	422.4	340.0	319.0	315.5	287.4	247.1	219.1
47.5°	8088.8	7384.2	5259.9	948.2	469.7	320.7	296.2	305.0	275.2	224.3	192.8
50°	9909.9	8807.4	5556.1	939.5	541.6	312.0	275.2	298.0	262.9	201.6	170.0
52.5°	11645.1	10253.4	5745.4	1016.6	604.7	334.8	254.1	289.2	254.1	185.8	154.2
55°	13304.9	11087.7	5407.1	1072.7	664.3	403.1	238.4	275.2	243.6	177.0	149.0
57.5°	15094.4	11459.3	4257.4	1186.6	706.3	461.0	241.9	254.1	229.6	171.8	147.2
60°	15629.0	10984.3	2569.5	1335.6	683.6	478.5	268.2	226.1	210.3	161.3	142.0
62.5°	14798.2	9857.3	1516.1	1216.4	664.3	452.2	306.7	208.6	191.0	147.2	131.5
65°	13555.6	8327.2	988.5	1027.1	704.6	403.1	326.0	199.8	173.5	133.2	115.7
67.5°	12135.9	6707.7	692.3	606.4	650.3	362.8	275.2	198.1	156.0	112.2	94.6
70°	10221.9	5023.3	487.3	401.4	541.6	322.5	213.8	192.8	136.7	91.1	73.6
72.5°	7897.8	3144.4	362.8	259.4	385.6	262.9	170.0	163.0	110.4	75.4	56.1
75°	5824.3	1793.0	255.9	187.5	254.1	199.8	126.2	115.7	94.6	71.9	50.8
77.5°	3041.0	897.4	159.5	143.7	145.5	124.4	91.1	84.1	87.6	71.9	47.3
80°	583.7	178.8	96.4	105.2	78.9	78.9	66.6	70.1	77.1	57.8	40.3
82.5°	243.6	38.6	52.6	59.6	49.1	54.3	54.3	56.1	54.3	42.1	29.8
85°	0.0	0.0	22.8	24.5	33.3	33.3	28.0	28.0	28.0	24.5	17.5
87.5°	0.0	0.0	0.0	0.0	1.8	5.3	10.5	12.3	14.0	10.5	7.0
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7
2.5°	732.6	729.1	734.4	737.9	741.4	741.4	737.9	734.4	729.1	734.4	729.1
5°	676.6	681.8	690.6	694.1	697.6	690.6	687.1	676.6	667.8	669.5	666.0
7.5°	632.7	638.0	648.5	655.5	655.5	652.0	641.5	631.0	617.0	617.0	615.2
10°	592.4	599.4	611.7	620.5	624.0	620.5	609.9	595.9	583.7	583.7	578.4
12.5°	559.1	567.9	581.9	594.2	597.7	594.2	583.7	569.6	555.6	555.6	552.1
15°	531.1	541.6	557.4	571.4	576.6	571.4	559.1	541.6	527.6	529.3	524.1
17.5°	504.8	513.5	534.6	550.4	555.6	550.4	534.6	511.8	497.8	501.3	497.8
20°	475.0	485.5	506.5	524.1	529.3	524.1	506.5	482.0	468.0	468.0	469.7
22.5°	443.4	454.0	475.0	487.3	494.3	489.0	471.5	448.7	434.7	434.7	436.4
25°	415.4	420.7	436.4	448.7	450.4	445.2	431.2	413.6	403.1	408.4	410.1
27.5°	389.1	389.1	396.1	403.1	401.4	396.1	390.9	376.8	375.1	380.3	385.6
30°	361.1	352.3	348.8	343.5	341.8	340.0	345.3	345.3	348.8	355.8	361.1
32.5°	336.5	319.0	303.2	287.4	278.7	285.7	299.7	312.0	324.3	334.8	340.0
35°	308.5	280.4	254.1	233.1	219.1	229.6	252.4	275.2	296.2	310.2	319.0
37.5°	280.4	240.1	208.6	182.3	171.8	180.5	205.1	236.6	268.2	285.7	298.0
40°	250.6	199.8	163.0	142.0	131.5	140.2	164.8	196.3	238.4	261.2	276.9
42.5°	220.8	164.8	131.5	110.4	105.2	110.4	129.7	161.3	206.8	234.9	255.9
45°	191.0	136.7	105.2	89.4	84.1	89.4	105.2	131.5	177.0	208.6	233.1
47.5°	164.8	115.7	87.6	73.6	70.1	75.4	87.6	110.4	149.0	180.5	208.6
50°	143.7	101.7	75.4	63.1	59.6	64.9	75.4	92.9	126.2	154.2	184.0
52.5°	129.7	94.6	66.6	54.3	52.6	56.1	64.9	78.9	106.9	131.5	159.5
55°	126.2	94.6	61.3	49.1	47.3	50.8	57.8	68.4	92.9	113.9	138.5
57.5°	129.7	101.7	57.8	42.1	40.3	43.8	50.8	59.6	80.6	98.2	120.9
60°	129.7	103.4	50.8	33.3	31.5	35.1	42.1	52.6	71.9	85.9	105.2
62.5°	117.4	94.6	42.1	26.3	22.8	26.3	35.1	43.8	63.1	77.1	92.9
65°	101.7	80.6	35.1	19.3	15.8	19.3	28.0	36.8	54.3	66.6	84.1
67.5°	82.4	61.3	26.3	14.0	10.5	14.0	21.0	29.8	45.6	57.8	75.4
70°	61.3	43.8	21.0	12.3	10.5	12.3	19.3	28.0	40.3	52.6	70.1
72.5°	45.6	29.8	17.5	12.3	8.8	12.3	17.5	26.3	38.6	50.8	66.6
75°	38.6	24.5	15.8	10.5	8.8	10.5	15.8	24.5	35.1	47.3	63.1
77.5°	36.8	22.8	14.0	8.8	7.0	8.8	14.0	21.0	31.5	43.8	61.3
80°	31.5	19.3	12.3	7.0	5.3	7.0	12.3	17.5	24.5	33.3	47.3
82.5°	24.5	15.8	8.8	3.5	1.8	3.5	8.8	10.5	15.8	19.3	28.0
85°	15.8	8.8	3.5	0.0	0.0	0.0	3.5	7.0	7.0	8.8	14.0
87.5°	7.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.5	5.3
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7	788.7
2.5°	739.6	741.4	744.9	750.2	762.4	773.0	783.5	797.5	804.5	804.5
5°	669.5	671.3	673.0	680.1	697.6	711.6	734.4	762.4	776.5	780.0
7.5°	615.2	618.7	622.2	627.5	645.0	664.3	694.1	746.7	773.0	778.2
10°	583.7	588.9	595.9	606.4	622.2	643.2	694.1	788.7	832.5	841.3
12.5°	559.1	567.9	574.9	587.2	606.4	639.7	741.4	907.9	985.0	1006.1
15°	534.6	545.1	555.6	567.9	588.9	652.0	832.5	1121.7	1249.7	1265.5
17.5°	510.0	522.3	536.3	550.4	576.6	681.8	976.3	1418.0	1596.7	1631.8
20°	482.0	497.8	517.1	534.6	564.4	729.1	1176.1	1770.2	1994.6	2070.0
22.5°	452.2	471.5	494.3	517.1	550.4	787.0	1418.0	2148.8	2462.6	2511.7
25°	427.7	446.9	468.0	490.8	527.6	857.1	1710.7	2618.6	2904.3	2951.6
27.5°	404.9	424.2	443.4	464.5	504.8	948.2	2063.0	3118.1	3416.1	3465.1
30°	380.3	403.1	422.4	443.4	483.8	1060.4	2469.6	3672.0	3954.1	3999.7
32.5°	359.3	382.1	401.4	422.4	468.0	1183.1	2897.3	4162.7	4392.3	4392.3
35°	341.8	366.3	380.3	408.4	455.7	1262.0	3302.1	4630.7	4804.2	4797.2
37.5°	322.5	352.3	362.8	382.1	439.9	1270.7	3682.5	5125.0	5252.9	5207.3
40°	303.2	334.8	350.5	361.1	422.4	1198.9	4099.6	5578.9	5687.6	5628.0
42.5°	285.7	310.2	333.0	345.3	411.9	1072.7	4434.4	6064.4	6194.1	6141.5
45°	268.2	289.2	303.2	326.0	418.9	985.0	4721.8	6630.5	6858.4	6819.8
47.5°	250.6	268.2	276.9	312.0	466.2	944.7	4897.1	7506.9	7936.3	7904.8
50°	231.4	252.4	252.4	308.5	536.3	958.7	5049.6	8775.9	9440.2	9429.6
52.5°	212.1	234.9	231.4	334.8	590.7	1023.6	5223.1	9895.9	11050.9	11147.3
55°	192.8	213.8	217.3	387.4	622.2	1079.7	4551.8	10367.4	12426.8	12765.1
57.5°	171.8	184.0	226.1	427.7	611.7	1242.7	3118.1	10453.2	13304.9	14030.5
60°	149.0	159.5	255.9	418.9	578.4	1148.0	1963.0	9682.0	13180.5	14100.7
62.5°	129.7	147.2	269.9	369.8	588.9	995.5	1251.4	8251.8	11993.9	13043.8
65°	113.9	142.0	245.4	334.8	595.9	674.8	844.8	6712.9	10835.3	11834.4
67.5°	101.7	157.7	201.6	298.0	511.8	475.0	580.2	5216.1	9110.7	10006.3
70°	92.9	161.3	164.8	255.9	396.1	305.0	382.1	3510.7	6280.0	7303.6
72.5°	84.1	119.2	124.4	205.1	255.9	185.8	247.1	2008.6	4578.1	5275.7
75°	80.6	80.6	85.9	133.2	142.0	135.0	159.5	1198.9	3282.8	3792.9
77.5°	75.4	61.3	54.3	85.9	77.1	96.4	94.6	532.8	1423.2	1538.9
80°	59.6	43.8	36.8	54.3	52.6	64.9	56.1	43.8	64.9	63.1
82.5°	36.8	28.0	26.3	33.3	29.8	33.3	26.3	7.0	7.0	7.0
85°	17.5	15.8	14.0	14.0	15.8	14.0	10.5	3.5	1.8	1.8
87.5°	8.8	8.8	7.0	5.3	7.0	7.0	5.3	1.8	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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