

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: P642330

Luminaire Tested: GWS-SA6C-760-U-SLL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642330
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-39)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-760-U-SLL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22298.5 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

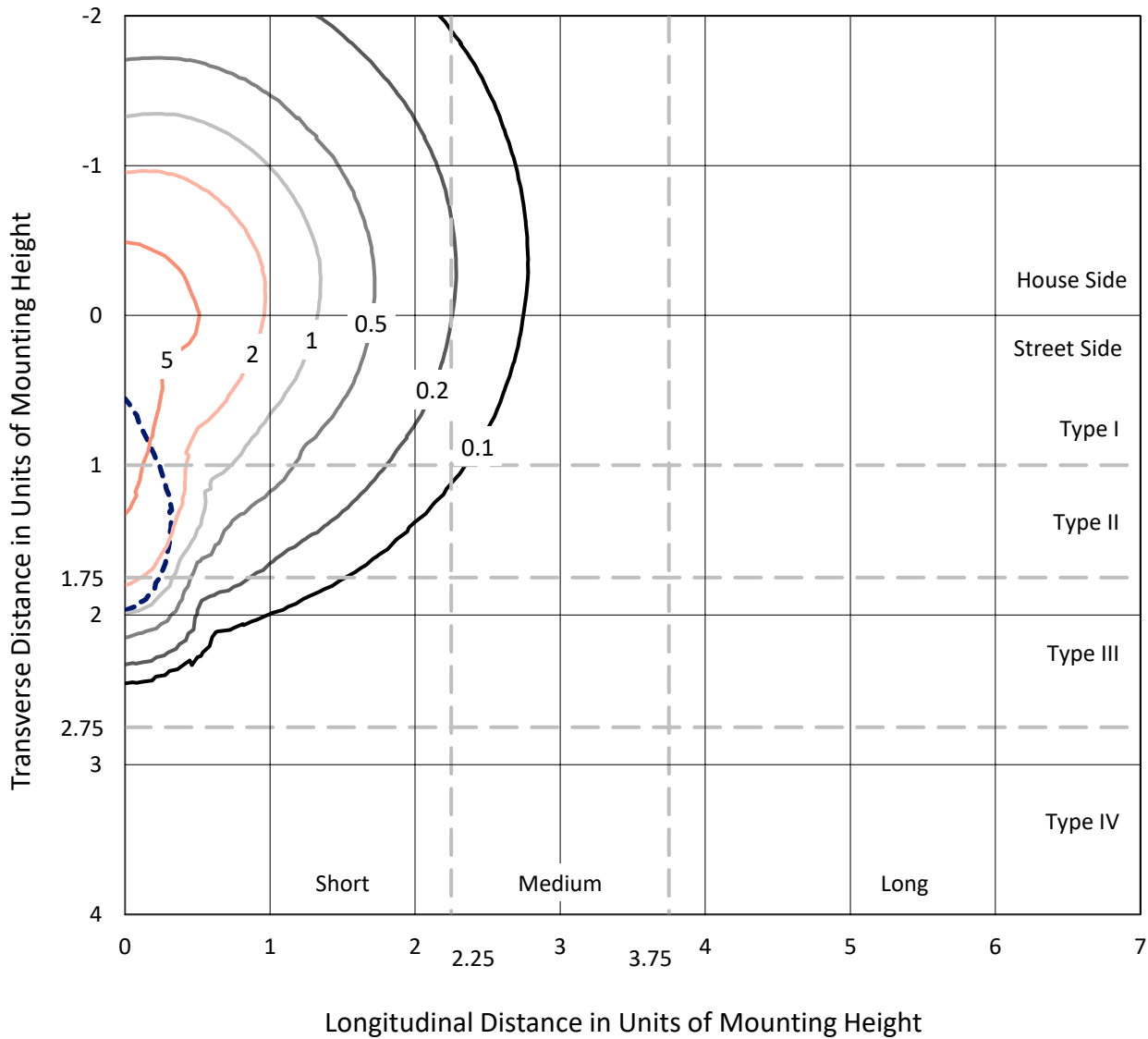
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

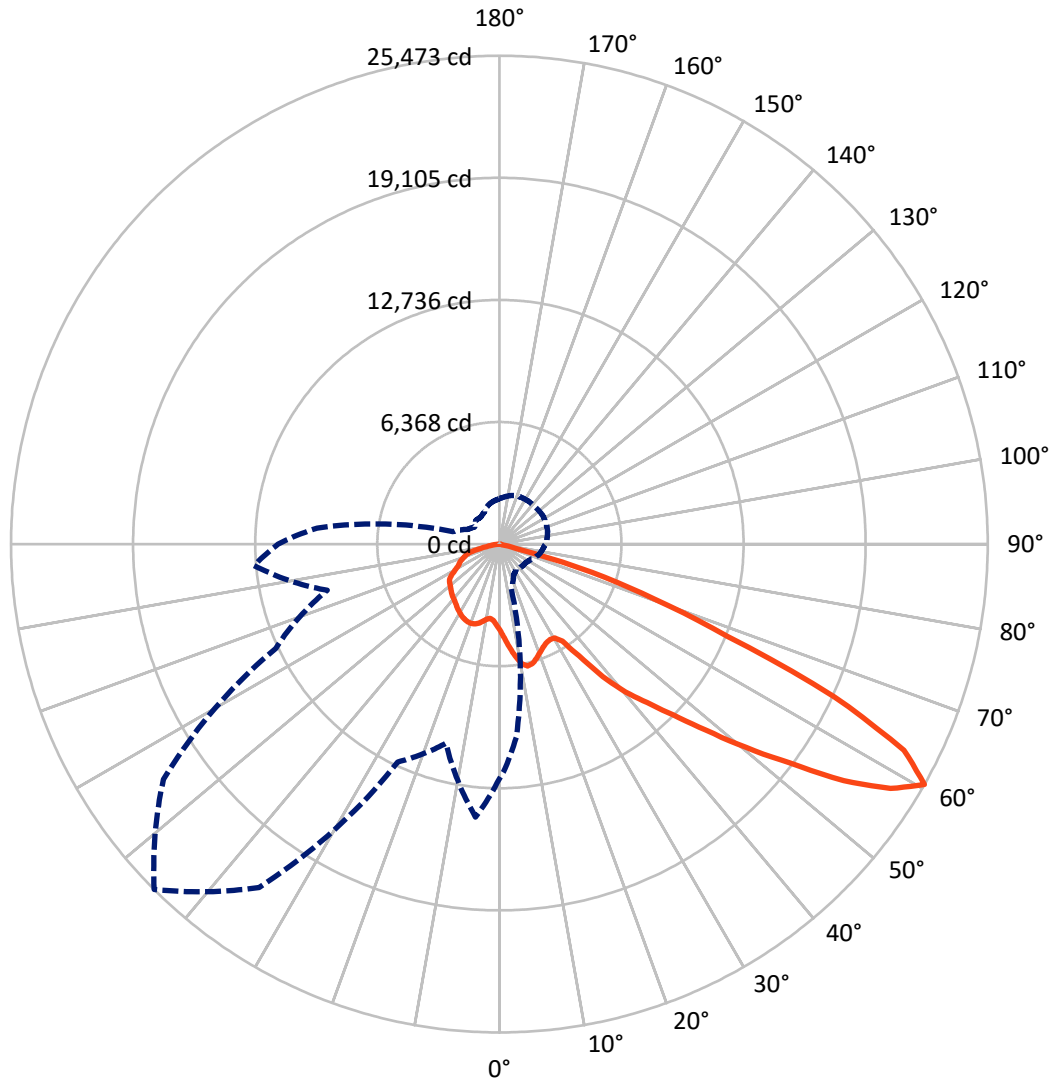
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7628.1	0.0	7628.1
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	14670.4	0.0	14670.4
	% Fixture	65.8	0.0	65.8
Total	Lumens	22298.5	0.0	22298.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	439.4	2.0
10°-20°	1409.3	6.3
20°-30°	2295.2	10.3
30°-40°	3224.3	14.5
40°-50°	4412.2	19.8
50°-60°	5660.6	25.4
60°-70°	3811.6	17.1
70°-80°	952.9	4.3
80°-90°	92.9	0.4
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°	22298.5	100.0
0°-180°	22298.5	100.0

Coefficient of Utilization



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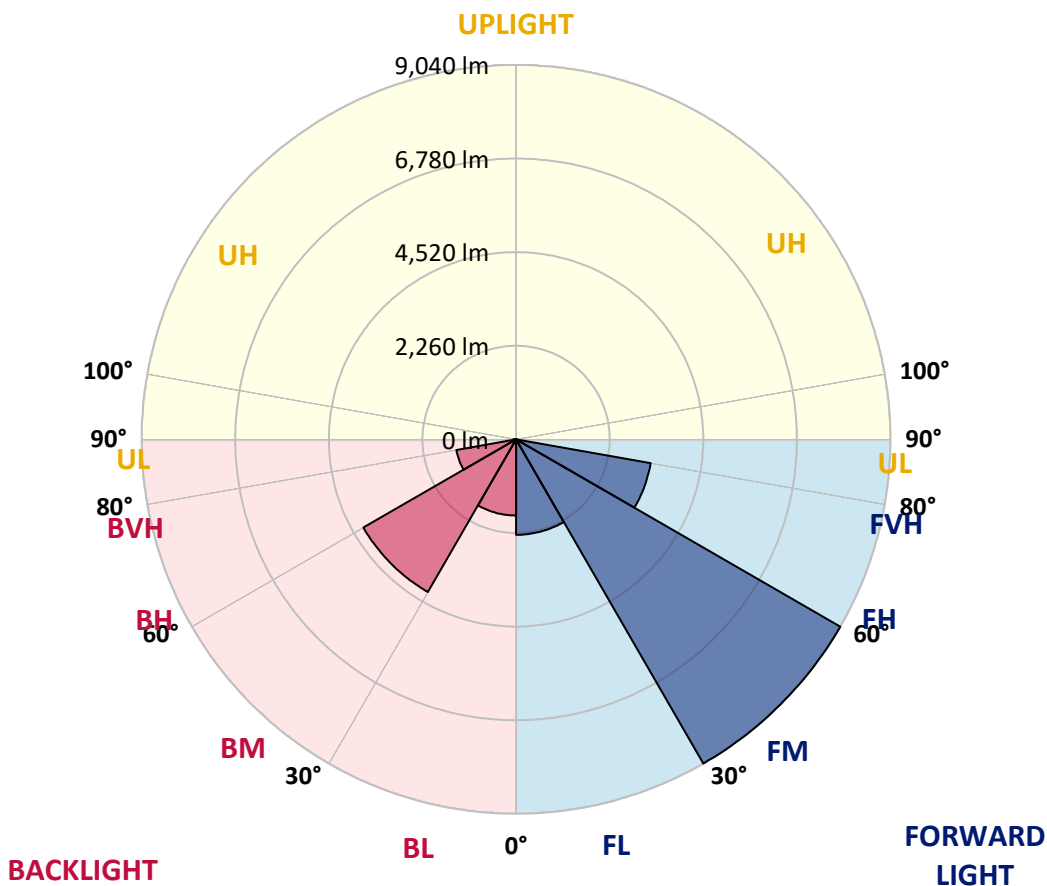
CATALOG NUMBER: GWS-SA6C-760-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2305.1	10.3			
FM (30°-60°)	9040.0	40.5			
FH (60°-80°)	3301.1	14.8			G2/5000
FVH (80°-90°)	24.1	0.1			G1/100
BL (0°-30°)	1838.8	8.2	B3/2500		
BM (30°-60°)	4257.1	19.1	B3/5000		
BH (60°-80°)	1463.4	6.6	B3/2500		G3/2500
BVH (80°-90°)	68.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4
2.5°	4758.2	4747.9	4737.6	4657.6	4637.0	4579.5	4538.4	4487.1	4413.2	4372.1	4337.2
5°	5055.9	5039.5	4984.1	4819.8	4713.0	4595.9	4499.4	4392.6	4279.7	4205.8	4148.3
7.5°	5337.3	5333.2	5238.7	4967.6	4795.1	4626.7	4495.3	4339.2	4177.0	4066.1	3992.2
10°	5598.1	5567.3	5454.3	5101.1	4875.2	4682.2	4540.5	4368.0	4179.1	4029.2	3930.6
12.5°	5828.1	5789.1	5633.0	5224.3	4945.1	4706.8	4552.8	4411.1	4285.9	4160.6	4047.6
15°	6017.0	5969.8	5811.7	5339.3	5006.7	4692.5	4476.8	4365.9	4409.1	4464.5	4339.2
17.5°	6193.6	6144.4	5951.3	5423.5	5025.1	4604.2	4290.0	4242.7	4460.4	4713.0	4655.5
20°	6341.5	6286.1	6062.2	5464.6	4992.3	4435.8	4047.6	4129.8	4417.3	4719.2	4811.6
22.5°	6501.7	6456.5	6187.5	5524.2	4951.2	4203.7	3844.3	4045.6	4343.4	4608.3	4747.9
25°	6758.4	6702.9	6382.6	5628.9	4930.7	3986.0	3698.5	3963.4	4240.7	4480.9	4589.8
27.5°	7130.1	7027.4	6649.5	5811.7	4953.3	3780.7	3606.1	3862.8	4121.6	4326.9	4415.2
30°	7534.6	7411.4	6945.3	6000.6	4986.1	3655.4	3556.8	3747.8	3938.8	4144.2	4240.7
32.5°	8013.1	7904.3	7261.5	6142.3	4916.3	3597.9	3519.9	3622.5	3774.5	3938.8	4018.9
35°	8584.0	8388.9	7606.5	6257.3	4690.4	3513.7	3487.0	3484.9	3565.0	3725.2	3815.6
37.5°	9198.0	8988.6	8031.6	6380.5	4339.2	3380.2	3409.0	3322.7	3396.6	3524.0	3626.6
40°	9701.2	9481.4	8460.8	6548.9	3899.8	3170.7	3236.5	3144.1	3189.2	3320.7	3435.7
42.5°	10194.0	9959.9	8861.3	6739.9	3474.7	2965.4	2998.2	2963.3	2977.7	3115.3	3275.5
45°	10840.9	10578.1	9354.1	6875.4	3092.7	2803.2	2772.4	2712.8	2788.8	2967.4	3137.9
47.5°	11921.1	11606.9	10161.2	6963.7	2815.5	2710.7	2569.0	2534.1	2628.6	2827.8	3004.4
50°	13184.1	12913.0	11450.8	6959.6	2608.1	2632.7	2371.9	2341.1	2497.2	2698.4	2885.3
52.5°	14219.1	13943.9	12553.6	6754.3	2437.6	2466.4	2256.9	2170.6	2384.2	2571.1	2758.0
55°	15054.9	14744.8	13060.9	5895.9	2222.0	2201.5	2131.6	1973.5	2242.5	2443.8	2618.3
57.5°	14605.2	14235.5	12446.8	4483.0	2000.2	1870.8	1916.0	1798.9	2049.5	2302.1	2470.5
60°	12245.6	11912.9	10111.9	2386.3	1759.9	1562.8	1657.3	1675.7	1838.0	2131.6	2304.1
62.5°	8411.5	8169.2	6852.8	1447.8	1388.2	1254.7	1402.6	1536.1	1657.3	1905.7	2055.6
65°	4115.4	4043.5	3427.4	928.2	971.3	1014.5	1162.3	1324.6	1503.2	1720.9	1879.0
67.5°	1133.6	1141.8	1039.1	724.9	766.0	885.1	1002.2	1131.5	1310.2	1511.4	1671.6
70°	499.0	507.2	523.7	558.6	636.6	745.5	866.6	1000.1	1164.4	1332.8	1486.8
72.5°	347.1	355.3	379.9	425.1	494.9	597.6	712.6	839.9	1010.4	1152.1	1279.4
75°	213.6	219.7	242.3	281.3	328.6	406.6	519.6	636.6	786.5	915.9	1028.9
77.5°	112.9	108.8	123.2	149.9	191.0	232.1	308.0	382.0	488.8	593.5	688.0
80°	61.6	59.6	67.8	82.1	94.5	127.3	178.7	227.9	289.6	349.1	400.5
82.5°	26.7	24.6	26.7	34.9	43.1	61.6	90.4	125.3	160.2	201.3	234.1
85°	0.0	0.0	0.0	2.1	10.3	16.4	30.8	45.2	65.7	90.4	110.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	18.5
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4
2.5°	4316.7	4265.3	4261.2	4220.1	4224.2	4226.3	4185.2	4168.8	4183.2	4199.6	4191.4
5°	4127.7	4074.3	4051.7	4012.7	4008.6	3990.1	3973.7	3953.2	3967.5	3981.9	3990.1
7.5°	3963.4	3928.5	3914.1	3903.9	3908.0	3899.8	3866.9	3848.4	3846.4	3852.5	3860.8
10°	3910.0	3881.3	3899.8	3928.5	3949.1	3963.4	3928.5	3897.7	3869.0	3856.6	3856.6
12.5°	4025.0	3988.1	4025.0	4055.8	4096.9	4107.2	4068.2	4035.3	4025.0	4037.4	4062.0
15°	4279.7	4193.4	4191.4	4209.9	4242.7	4259.2	4222.2	4205.8	4205.8	4283.8	4345.4
17.5°	4534.3	4392.6	4333.1	4322.8	4343.4	4349.5	4318.7	4304.3	4341.3	4493.3	4608.3
20°	4713.0	4540.5	4411.1	4386.5	4392.6	4394.7	4370.0	4359.8	4413.2	4598.0	4694.5
22.5°	4694.5	4567.2	4409.1	4378.3	4388.5	4384.4	4361.8	4357.7	4400.9	4561.0	4606.2
25°	4567.2	4468.6	4335.1	4314.6	4331.0	4329.0	4306.4	4296.1	4314.6	4421.4	4425.5
27.5°	4421.4	4335.1	4220.1	4214.0	4240.7	4255.0	4216.0	4185.2	4179.1	4250.9	4234.5
30°	4246.8	4183.2	4090.8	4094.9	4144.2	4152.4	4105.1	4060.0	4047.6	4086.7	4064.1
32.5°	4039.4	4018.9	3969.6	3979.9	4027.1	4043.5	3994.2	3947.0	3932.6	3945.0	3897.7
35°	3862.8	3854.6	3858.7	3877.2	3918.3	3930.6	3889.5	3852.5	3832.0	3788.9	3727.3
37.5°	3680.0	3702.6	3762.2	3797.1	3819.7	3815.6	3793.0	3766.3	3733.4	3653.3	3577.4
40°	3509.6	3567.1	3673.9	3712.9	3721.1	3723.2	3706.7	3684.1	3643.1	3536.3	3450.0
42.5°	3378.2	3441.8	3583.5	3643.1	3647.2	3651.3	3634.9	3616.4	3558.9	3417.2	3333.0
45°	3240.6	3324.8	3491.1	3563.0	3558.9	3556.8	3542.4	3534.2	3466.5	3302.2	3209.8
47.5°	3123.5	3222.1	3400.8	3462.4	3460.3	3458.3	3448.0	3448.0	3380.2	3201.6	3096.8
50°	3008.5	3121.5	3308.3	3359.7	3363.8	3359.7	3355.6	3361.7	3281.6	3090.7	2988.0
52.5°	2883.2	3010.6	3205.7	3252.9	3277.5	3287.8	3287.8	3273.4	3179.0	2979.8	2866.8
55°	2745.7	2866.8	3092.7	3156.4	3176.9	3195.4	3195.4	3166.6	3078.3	2877.1	2755.9
57.5°	2575.2	2682.0	2860.7	2924.3	2973.6	2985.9	2985.9	2938.7	2866.8	2673.8	2575.2
60°	2390.4	2482.8	2604.0	2671.7	2708.7	2684.0	2702.5	2690.2	2632.7	2454.0	2371.9
62.5°	2144.0	2238.4	2371.9	2441.7	2458.2	2433.5	2458.2	2456.1	2378.1	2217.9	2119.3
65°	1967.3	2059.8	2191.2	2281.5	2308.2	2302.1	2318.5	2293.9	2197.3	2045.4	1950.9
67.5°	1757.9	1856.4	2008.4	2109.0	2164.5	2170.6	2193.2	2141.9	2043.3	1877.0	1757.9
70°	1558.7	1642.9	1759.9	1854.4	1932.4	1971.5	1975.6	1901.6	1778.4	1640.8	1554.6
72.5°	1349.2	1435.5	1577.2	1679.8	1778.4	1823.6	1823.6	1733.2	1599.7	1447.8	1355.4
75°	1094.6	1174.7	1304.0	1414.9	1527.9	1585.4	1583.3	1505.3	1357.4	1213.7	1117.2
77.5°	741.3	800.9	883.0	967.2	983.7	1028.9	1051.4	952.9	870.7	792.7	706.4
80°	431.3	468.2	513.4	560.6	570.9	585.3	548.3	511.3	468.2	416.9	377.9
82.5°	252.6	277.2	299.8	336.8	343.0	347.1	314.2	297.8	262.9	232.1	207.4
85°	123.2	131.4	152.0	170.4	162.2	158.1	143.8	127.3	112.9	100.6	88.3
87.5°	24.6	24.6	37.0	34.9	28.8	24.6	14.4	18.5	4.1	4.1	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4
2.5°	4218.1	4253.0	4296.1	4353.6	4419.3	4489.2	4556.9	4608.3	4659.6	4735.6	4723.3
5°	4002.5	4062.0	4129.8	4218.1	4324.9	4446.0	4581.6	4717.1	4862.9	4986.1	5039.5
7.5°	3877.2	3942.9	4023.0	4138.0	4275.6	4423.4	4614.4	4834.2	5070.3	5232.6	5333.2
10°	3877.2	3961.4	4066.1	4177.0	4298.2	4450.1	4686.3	4961.5	5265.4	5479.0	5596.0
12.5°	4101.0	4185.2	4207.8	4203.7	4271.5	4439.9	4743.8	5095.0	5458.5	5684.3	5828.1
15°	4450.1	4478.9	4308.4	4152.4	4162.6	4365.9	4770.5	5201.8	5624.8	5895.9	6051.9
17.5°	4684.2	4608.3	4304.3	4031.2	3973.7	4240.7	4770.5	5304.4	5801.4	6107.4	6253.2
20°	4702.7	4513.8	4199.6	3914.1	3766.3	4074.3	4737.6	5382.5	5971.9	6310.7	6466.8
22.5°	4540.5	4353.6	4088.7	3813.5	3595.8	3873.1	4684.2	5442.0	6117.7	6501.7	6694.7
25°	4355.7	4199.6	3975.8	3710.8	3478.8	3669.8	4635.0	5542.6	6321.0	6760.4	6955.5
27.5°	4175.0	4043.5	3840.2	3624.6	3413.1	3493.2	4604.2	5690.5	6563.3	7128.0	7296.4
30°	3998.3	3879.2	3694.4	3542.4	3378.2	3378.2	4577.5	5861.0	6883.6	7540.8	7709.2
32.5°	3819.7	3706.7	3556.8	3462.4	3357.6	3333.0	4503.5	6021.1	7214.3	7992.6	8165.1
35°	3653.3	3540.4	3425.4	3386.4	3347.4	3298.1	4320.8	6146.4	7536.7	8520.4	8668.2
37.5°	3497.3	3388.4	3302.2	3291.9	3296.0	3203.6	4033.3	6251.1	7939.2	9060.5	9138.5
40°	3361.7	3240.6	3172.8	3170.7	3191.3	3051.6	3669.8	6401.1	8399.2	9518.4	9485.5
42.5°	3240.6	3113.2	3031.1	3049.6	3037.3	2899.7	3314.5	6538.6	8799.6	9947.6	9881.9
45°	3121.5	2998.2	2883.2	2909.9	2895.6	2805.2	3012.6	6639.3	9243.2	10463.1	10471.3
47.5°	3006.5	2885.3	2770.3	2737.4	2735.4	2776.5	2780.6	6672.1	9966.1	11292.7	11105.8
50°	2899.7	2778.5	2659.4	2548.5	2591.6	2719.0	2608.1	6647.5	11048.3	12208.6	11687.0
52.5°	2788.8	2673.8	2542.3	2343.2	2456.1	2581.4	2454.0	6559.2	11709.6	13017.7	12705.6
55°	2661.5	2552.6	2374.0	2131.6	2269.2	2295.9	2295.9	5704.9	11990.9	13818.6	14011.7
57.5°	2491.0	2347.3	2063.9	1868.8	1992.0	1889.3	2127.5	3992.2	11526.8	13566.0	14315.6
60°	2298.0	2144.0	1844.1	1704.5	1741.4	1560.7	1813.3	2503.3	9553.3	11543.3	12841.1
62.5°	2043.3	1901.6	1653.1	1544.3	1468.3	1273.2	1460.1	1583.3	6548.9	8571.7	9456.8
65°	1872.9	1716.8	1495.0	1351.3	1195.2	1024.7	969.3	1039.1	3521.9	4797.2	5394.8
67.5°	1671.6	1517.6	1308.1	1127.4	1002.2	878.9	782.4	757.8	1207.5	1597.7	1729.1
70°	1480.6	1332.8	1158.2	989.8	864.6	743.4	648.9	581.2	558.6	554.5	546.3
72.5°	1285.5	1148.0	1002.2	846.1	708.5	597.6	513.4	435.4	402.5	392.2	382.0
75°	1053.5	944.7	798.8	630.5	519.6	416.9	351.2	299.8	271.1	260.8	248.5
77.5°	677.7	628.4	501.1	406.6	314.2	248.5	213.6	180.7	162.2	158.1	147.9
80°	361.4	336.8	277.2	234.1	186.9	152.0	133.5	115.0	104.7	100.6	96.5
82.5°	201.3	182.8	154.0	135.5	108.8	92.4	82.1	73.9	67.8	65.7	63.7
85°	90.4	78.0	61.6	57.5	51.3	47.2	45.2	41.1	39.0	37.0	34.9
87.5°	4.1	8.2	10.3	8.2	8.2	12.3	14.4	14.4	12.3	12.3	10.3
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°	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4	4497.4
2.5°	4799.2	4860.9	4867.0	4887.6	4860.9	4854.7	4811.6	4786.9	4764.3	4758.2
5°	5173.0	5296.2	5345.5	5380.4	5347.6	5331.1	5236.7	5138.1	5082.6	5055.9
7.5°	5557.0	5741.8	5838.4	5881.5	5885.6	5811.7	5649.4	5464.6	5372.2	5337.3
10°	5900.0	6127.9	6255.2	6337.4	6308.6	6218.3	5996.5	5746.0	5628.9	5598.1
12.5°	6154.6	6372.3	6470.9	6524.3	6522.2	6472.9	6263.5	5992.4	5858.9	5828.1
15°	6318.9	6448.3	6454.4	6466.8	6501.7	6567.4	6458.6	6208.0	6060.2	6017.0
17.5°	6448.3	6396.9	6300.4	6267.6	6345.6	6528.4	6594.1	6390.8	6230.6	6193.6
20°	6530.4	6271.7	6101.2	6037.6	6127.9	6425.7	6676.2	6555.1	6388.7	6341.5
22.5°	6594.1	6154.6	5879.4	5836.3	5930.8	6314.8	6760.4	6750.2	6567.4	6501.7
25°	6694.7	6076.6	5723.4	5692.6	5780.9	6261.4	6873.4	7015.1	6852.8	6758.4
27.5°	6852.8	6068.4	5643.3	5633.0	5754.2	6308.6	7035.6	7403.2	7199.9	7130.1
30°	7072.6	6146.4	5661.8	5682.3	5830.2	6479.1	7288.2	7846.8	7643.5	7534.6
32.5°	7388.8	6355.9	5943.1	6031.4	6140.2	6752.2	7657.9	8327.3	8173.3	8013.1
35°	7805.7	6930.9	6774.8	7150.6	7047.9	7349.8	8103.5	8910.5	8723.7	8584.0
37.5°	8362.2	8109.6	8253.4	8770.9	8522.4	8479.3	8647.7	9440.4	9337.7	9198.0
40°	9142.6	9193.9	9458.9	10138.6	9779.2	9502.0	9315.1	9838.8	9873.7	9701.2
42.5°	9660.1	9896.3	10534.9	11307.1	10812.2	10148.9	9873.7	10348.1	10350.1	10194.0
45°	9853.1	10471.3	11806.1	12695.3	11867.7	10518.5	10181.7	11040.1	11019.6	10840.9
47.5°	9783.3	10955.9	13126.6	14486.1	13223.1	10781.4	10138.6	12025.8	12192.2	11921.1
50°	9637.5	11442.6	14668.8	16679.3	14886.5	11060.7	10072.9	13118.4	13393.5	13184.1
52.5°	9785.4	11984.8	16492.4	18946.5	16973.0	11506.3	10516.5	14521.0	14471.7	14219.1
55°	10253.6	12625.5	18708.2	21794.8	19264.8	12260.0	11656.2	15857.9	15356.8	15054.9
57.5°	10231.0	13083.4	20650.9	24047.6	21258.8	12878.1	12052.5	15999.5	14987.1	14605.2
60°	9286.4	12874.0	21390.2	25472.8	21860.5	12537.2	10748.5	14291.0	12646.0	12245.6
62.5°	6930.9	11424.1	19956.8	23688.2	20158.1	10828.6	8082.9	10257.7	9087.2	8411.5
65°	4433.7	8937.2	16777.9	19190.8	16615.6	8282.1	4813.6	5499.5	4308.4	4115.4
67.5°	1887.3	6308.6	13042.4	12826.7	12430.4	5366.0	1858.5	1548.4	1154.1	1133.6
70°	624.3	4292.0	8039.8	8555.3	7423.7	3696.5	614.0	519.6	517.5	499.0
72.5°	408.7	2304.1	4526.1	5039.5	4776.7	2127.5	371.7	347.1	355.3	347.1
75°	244.4	501.1	761.9	989.8	761.9	357.3	223.8	219.7	223.8	213.6
77.5°	143.8	139.6	135.5	135.5	133.5	123.2	112.9	108.8	110.9	112.9
80°	92.4	88.3	84.2	82.1	71.9	67.8	63.7	59.6	59.6	61.6
82.5°	59.6	55.4	51.3	45.2	37.0	30.8	28.8	24.6	24.6	26.7
85°	30.8	24.6	18.5	14.4	8.2	4.1	0.0	0.0	0.0	0.0
87.5°	6.2	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

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