

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: P636391

Luminaire Tested: GWS-SA3F-760-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636391
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-SA3F-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: 14935.8 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

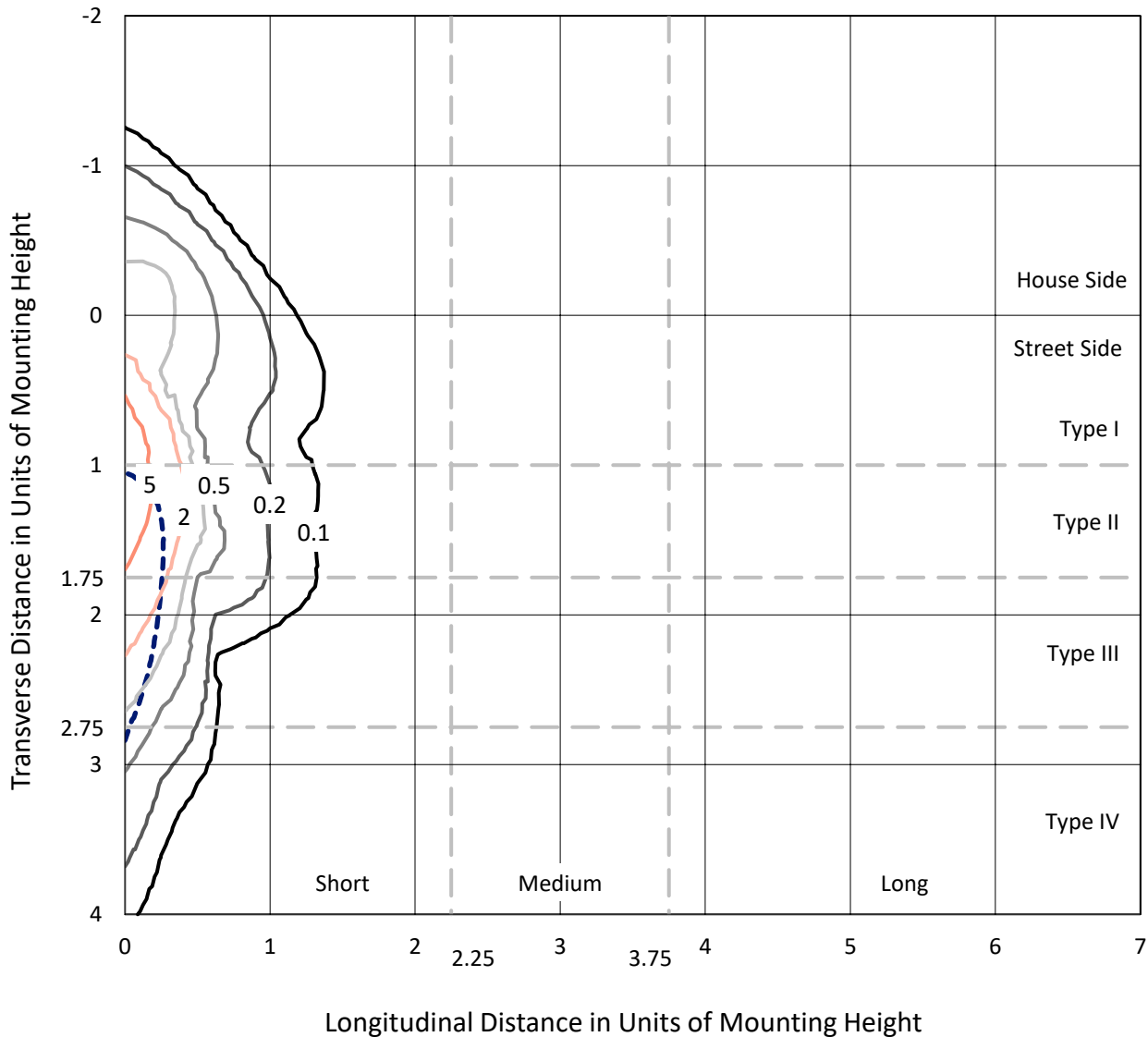
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

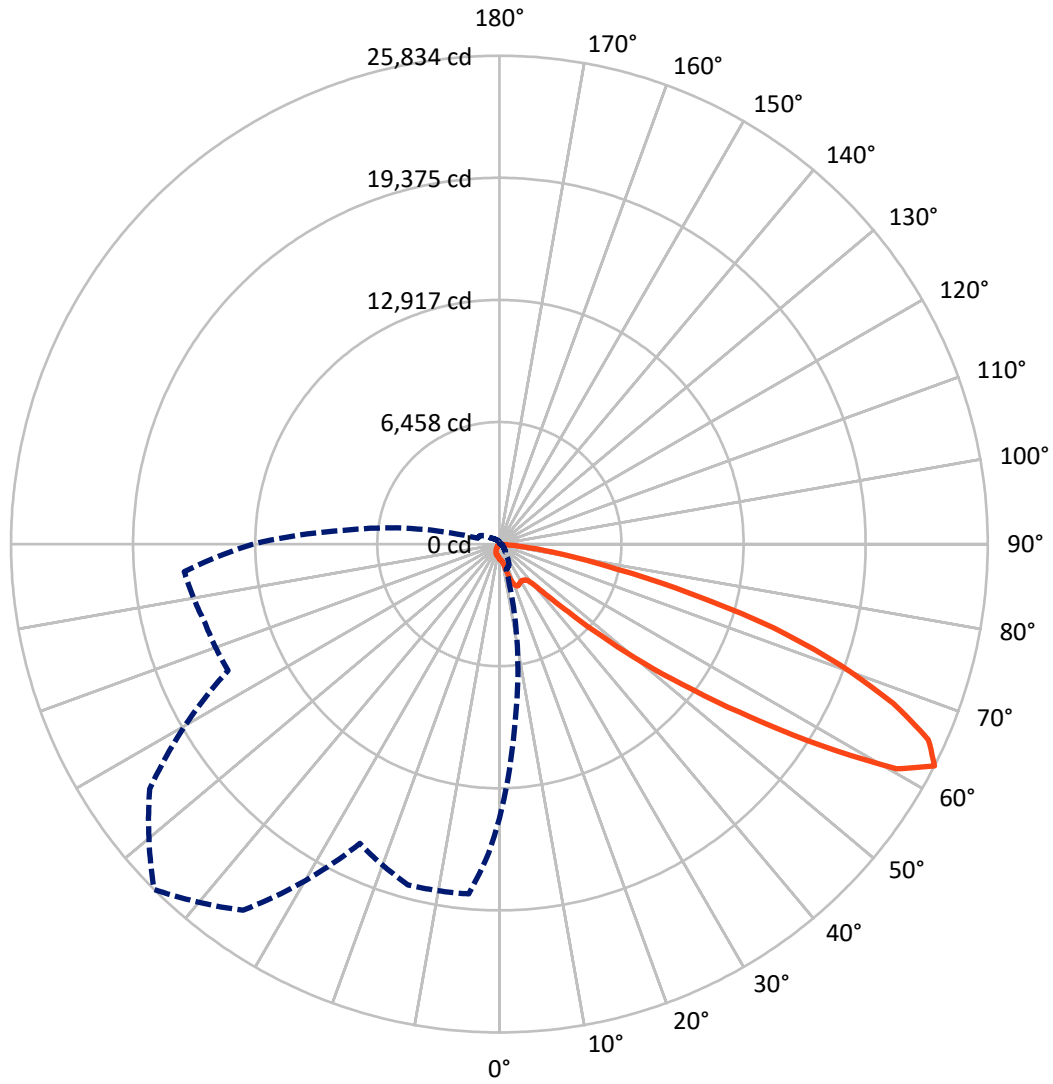
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.7 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	1735.3	0.0	1735.3
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	13200.5	0.0	13200.5
	% Fixture	88.4	0.0	88.4
Total	Lumens	14935.8	0.0	14935.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.9	0.4
10°-20°	229.3	1.5
20°-30°	517.9	3.5
30°-40°	892.3	6.0
40°-50°	1683.1	11.3
50°-60°	3758.0	25.2
60°-70°	5026.2	33.7
70°-80°	2520.5	16.9
80°-90°	241.6	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°	14935.8	100.0
0°-180°	14935.8	100.0

Coefficient of Utilization



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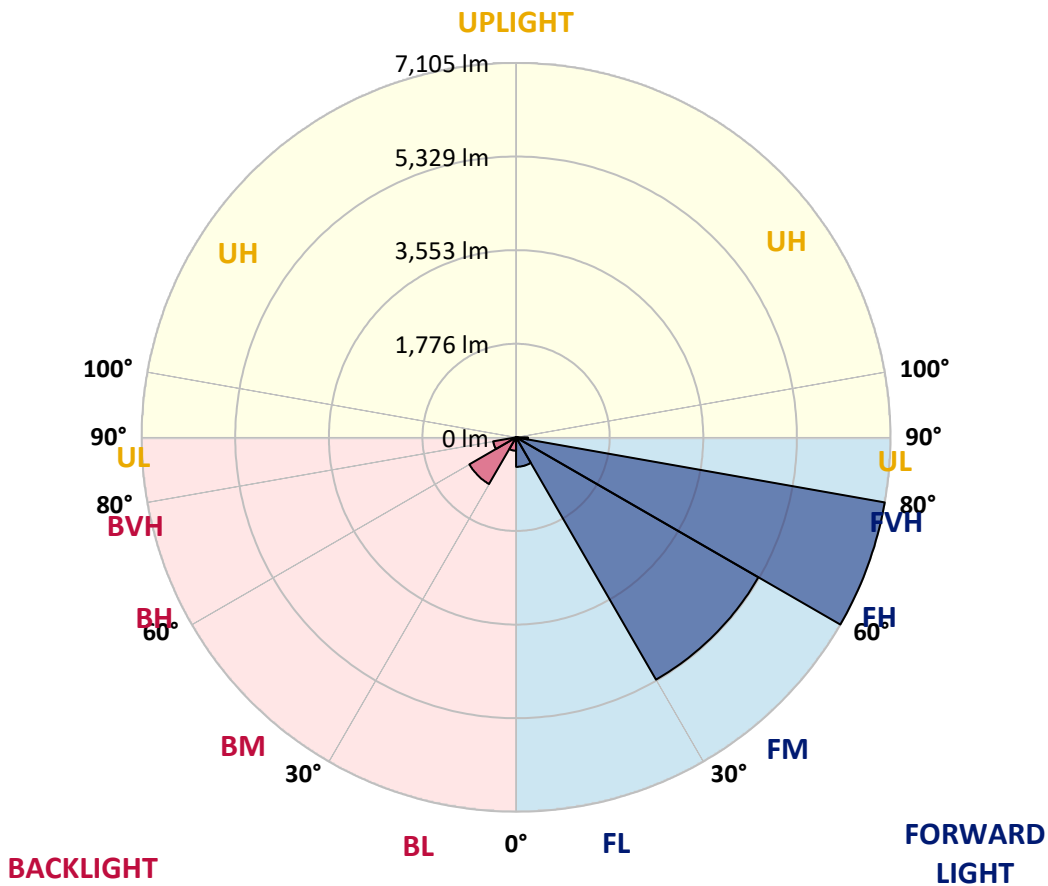
CATALOG NUMBER: GWS-SA3F-760-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	559.4	3.7			
FM (30°-60°)	5310.1	35.6			
FH (60°-80°)	7105.5	47.6			G3/7500
FVH (80°-90°)	225.5	1.5			G3/500
BL (0°-30°)	254.7	1.7	B1/500		
BM (30°-60°)	1023.3	6.9	B2/2500		
BH (60°-80°)	441.3	3.0	B1/500		G1/500
BVH (80°-90°)	16.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	774.6	774.6	774.6	774.6	774.6	774.6	774.6	774.6	774.6	774.6	774.6
2.5°	765.7	764.0	760.4	749.8	741.0	735.7	725.1	725.1	723.3	719.8	712.7
5°	741.0	733.9	726.8	707.4	686.2	673.8	659.6	657.9	657.9	654.3	652.6
7.5°	702.1	695.0	686.2	654.3	634.9	622.5	610.1	608.4	603.0	603.0	603.0
10°	680.9	670.3	656.1	620.7	601.3	590.7	581.8	576.5	573.0	567.7	565.9
12.5°	726.8	707.4	677.3	613.7	587.1	573.0	562.4	558.8	548.2	541.2	535.8
15°	870.1	822.3	762.2	629.6	581.8	560.6	546.5	539.4	530.5	518.2	509.3
17.5°	1105.3	1036.3	935.5	680.9	576.5	550.0	532.3	519.9	507.6	493.4	482.8
20°	1430.7	1328.1	1207.9	774.6	576.5	537.6	516.4	500.5	482.8	466.9	454.5
22.5°	1844.5	1741.9	1536.8	933.8	583.6	521.7	496.9	475.7	454.5	440.4	426.2
25°	2307.9	2162.8	1971.8	1126.5	603.0	500.5	474.0	452.7	433.3	415.6	399.7
27.5°	2824.3	2666.9	2412.2	1400.6	645.5	479.3	449.2	429.7	412.1	394.4	373.1
30°	3300.0	3206.2	2946.3	1729.6	714.5	465.1	429.7	412.1	394.4	371.4	351.9
32.5°	3871.2	3705.0	3491.0	2104.5	806.4	451.0	413.8	389.1	374.9	353.7	332.5
35°	4445.9	4304.5	4023.3	2566.1	909.0	436.8	394.4	371.4	359.0	334.2	311.3
37.5°	5038.4	5006.6	4728.9	3077.1	1009.8	420.9	371.4	357.2	344.9	316.6	290.0
40°	5622.0	5563.6	5307.2	3660.7	1071.7	403.2	351.9	343.1	328.9	297.1	267.0
42.5°	6180.8	6136.6	5887.3	4219.6	1062.9	387.3	332.5	321.9	311.3	279.4	242.3
45°	6867.0	6794.5	6479.7	4633.4	972.7	405.0	313.0	295.3	293.6	263.5	217.5
47.5°	8150.9	7912.2	7378.1	4951.7	882.5	451.0	291.8	270.6	283.0	247.6	192.8
50°	9949.4	9668.3	8895.4	5199.3	880.7	511.1	288.3	247.6	274.1	235.2	171.5
52.5°	11756.8	11261.6	10322.6	5332.0	946.1	555.3	320.1	224.6	263.5	222.8	155.6
55°	13488.2	12460.7	10920.3	4893.4	997.4	603.0	378.5	212.2	244.0	208.7	146.8
57.5°	15138.1	13424.5	11180.3	3871.2	1169.0	622.5	413.8	217.5	215.8	191.0	139.7
60°	15364.5	13378.5	10655.1	2251.3	1289.2	588.9	399.7	242.3	189.2	169.8	127.3
62.5°	14508.6	12489.0	9457.8	1404.2	1197.3	576.5	355.5	275.9	171.5	150.3	111.4
65°	13208.7	11093.6	7885.6	905.5	907.2	640.2	311.3	270.6	160.9	132.6	95.5
67.5°	11176.8	9284.5	6212.7	606.6	512.9	546.5	272.3	185.7	157.4	113.2	74.3
70°	8158.0	6608.8	4044.5	405.0	305.9	436.8	228.1	132.6	148.6	93.7	53.1
72.5°	5963.3	4440.6	2258.3	265.3	173.3	254.7	168.0	95.5	115.0	69.0	37.1
75°	4292.1	3055.9	1289.2	169.8	115.0	139.7	109.6	65.4	74.3	54.8	33.6
77.5°	2065.6	1489.1	585.4	93.7	77.8	70.7	58.4	40.7	46.0	49.5	30.1
80°	77.8	58.4	44.2	46.0	49.5	31.8	26.5	21.2	26.5	33.6	15.9
82.5°	0.0	0.0	0.0	5.3	7.1	8.8	10.6	8.8	10.6	12.4	1.8
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°	774.6	774.6	774.6	774.6	774.6	774.6	774.6	774.6	774.6	774.6	774.6
2.5°	718.0	714.5	718.0	721.5	725.1	728.6	723.3	726.8	730.4	721.5	725.1
5°	661.4	659.6	670.3	675.6	682.6	686.2	682.6	682.6	680.9	670.3	670.3
7.5°	611.9	613.7	622.5	634.9	643.7	649.0	645.5	643.7	638.4	622.5	622.5
10°	574.8	574.8	588.9	599.5	611.9	617.2	613.7	608.4	603.0	587.1	585.4
12.5°	544.7	544.7	555.3	573.0	587.1	594.2	592.4	585.4	576.5	560.6	558.8
15°	516.4	514.6	530.5	546.5	565.9	574.8	571.2	565.9	550.0	535.8	532.3
17.5°	488.1	486.3	500.5	521.7	542.9	555.3	553.5	541.2	527.0	509.3	505.8
20°	459.8	456.3	474.0	495.2	516.4	528.8	525.2	514.6	496.9	479.3	475.7
22.5°	431.5	429.7	442.1	459.8	479.3	489.9	488.1	479.3	461.6	445.7	445.7
25°	399.7	399.7	408.5	420.9	435.0	440.4	442.1	438.6	428.0	419.1	419.1
27.5°	373.1	367.8	371.4	374.9	382.0	390.8	390.8	394.4	396.1	392.6	394.4
30°	351.9	343.1	337.8	330.7	327.2	330.7	334.2	346.6	359.0	366.1	369.6
32.5°	327.2	316.6	302.4	283.0	270.6	267.0	277.7	300.6	323.6	339.5	348.4
35°	302.4	288.3	261.7	233.4	217.5	212.2	224.6	251.1	284.7	313.0	325.4
37.5°	277.7	258.2	221.1	187.5	169.8	166.2	178.6	206.9	245.8	284.7	300.6
40°	249.4	226.4	182.2	146.8	132.6	129.1	139.7	168.0	208.7	252.9	277.7
42.5°	221.1	192.8	146.8	116.7	102.6	102.6	116.7	137.9	175.1	222.8	252.9
45°	192.8	162.7	120.3	93.7	84.9	86.7	95.5	116.7	146.8	196.3	224.6
47.5°	166.2	139.7	99.0	77.8	70.7	72.5	83.1	100.8	125.6	169.8	199.8
50°	143.2	118.5	86.7	65.4	60.1	63.7	74.3	90.2	111.4	150.3	175.1
52.5°	129.1	106.1	79.6	56.6	53.1	56.6	67.2	81.3	100.8	132.6	157.4
55°	122.0	104.3	79.6	51.3	46.0	49.5	60.1	74.3	90.2	120.3	141.5
57.5°	120.3	107.9	84.9	46.0	38.9	42.4	53.1	67.2	83.1	109.6	127.3
60°	113.2	102.6	83.1	37.1	30.1	35.4	44.2	58.4	76.0	102.6	118.5
62.5°	99.0	90.2	72.5	30.1	23.0	26.5	37.1	51.3	69.0	93.7	111.4
65°	81.3	72.5	56.6	19.5	14.1	17.7	28.3	44.2	60.1	84.9	100.8
67.5°	60.1	51.3	38.9	12.4	7.1	12.4	23.0	37.1	54.8	76.0	92.0
70°	37.1	30.1	21.2	7.1	5.3	10.6	21.2	35.4	49.5	70.7	86.7
72.5°	21.2	14.1	8.8	3.5	5.3	10.6	21.2	35.4	47.7	67.2	81.3
75°	15.9	8.8	3.5	1.8	3.5	8.8	19.5	31.8	46.0	63.7	77.8
77.5°	10.6	5.3	1.8	0.0	1.8	7.1	17.7	30.1	42.4	60.1	74.3
80°	1.8	0.0	0.0	0.0	0.0	5.3	15.9	26.5	38.9	53.1	65.4
82.5°	0.0	0.0	0.0	0.0	0.0	1.8	12.4	23.0	33.6	44.2	53.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	7.1	17.7	26.5	33.6	37.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	17.7	21.2	24.8
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	774.6	774.6	774.6	774.6	774.6	774.6	774.6	774.6	774.6	774.6	774.6
2.5°	723.3	733.9	733.9	741.0	749.8	765.7	774.6	787.0	795.8	804.7	808.2
5°	668.5	670.3	672.0	675.6	686.2	703.9	719.8	739.2	762.2	779.9	790.5
7.5°	622.5	622.5	622.5	627.8	638.4	650.8	666.7	693.2	719.8	741.0	758.7
10°	583.6	588.9	590.7	599.5	611.9	627.8	645.5	668.5	698.5	726.8	758.7
12.5°	558.8	564.1	573.0	581.8	594.2	611.9	631.3	661.4	723.3	781.7	848.9
15°	535.8	542.9	553.5	565.9	580.1	599.5	620.7	682.6	827.6	937.3	1043.4
17.5°	511.1	521.7	535.8	548.2	565.9	587.1	613.7	733.9	1018.6	1200.8	1381.2
20°	479.3	493.4	509.3	528.8	550.0	574.8	613.7	840.0	1294.5	1556.3	1795.0
22.5°	449.2	463.3	482.8	507.6	532.3	557.1	622.5	1001.0	1650.0	1980.7	2283.1
25°	424.4	442.1	461.6	482.8	511.1	539.4	643.7	1227.3	2078.0	2504.2	2718.1
27.5°	401.4	422.7	442.1	459.8	484.6	516.4	691.5	1529.7	2583.7	3017.0	3185.0
30°	378.5	403.2	422.7	440.4	465.1	498.7	764.0	1915.3	3146.1	3567.0	3584.7
32.5°	359.0	382.0	405.0	422.7	445.7	484.6	864.8	2366.2	3722.6	4129.4	3963.2
35°	337.8	364.3	385.5	405.0	429.7	472.2	981.5	2852.6	4304.5	4645.8	4339.8
37.5°	316.6	346.6	373.1	387.3	412.1	459.8	1066.4	3360.1	4898.7	5149.8	4670.5
40°	297.1	330.7	360.8	374.9	387.3	443.9	1078.8	3880.0	5501.7	5646.7	4981.8
42.5°	275.9	313.0	339.5	359.0	369.6	433.3	1004.5	4318.6	6007.5	6141.9	5388.5
45°	252.9	297.1	318.3	332.5	353.7	440.4	909.0	4658.2	6585.8	6817.5	6058.8
47.5°	229.9	279.4	297.1	307.7	336.0	482.8	873.6	4884.5	7539.0	8020.0	7188.9
50°	208.7	263.5	283.0	281.2	332.5	537.6	912.5	5056.1	8971.5	9537.4	8738.0
52.5°	185.7	245.8	268.8	261.7	359.0	580.1	990.3	5192.2	10073.2	11316.5	10819.5
55°	166.2	226.4	247.6	245.8	408.5	611.9	1050.5	4474.2	10529.5	12970.0	13164.5
57.5°	152.1	205.1	222.8	252.9	440.4	611.9	1214.9	3176.2	10538.3	14186.7	16277.0
60°	139.7	185.7	198.1	277.7	428.0	580.1	1202.6	1945.3	9712.5	14103.6	17932.3
62.5°	129.1	168.0	183.9	284.7	378.5	574.8	1085.8	1206.1	8283.5	13030.1	16731.5
65°	120.3	153.9	176.8	261.7	343.1	615.4	732.1	866.6	6718.4	11806.3	15353.9
67.5°	111.4	141.5	187.5	214.0	311.3	550.0	528.8	615.4	5273.6	10464.1	14089.4
70°	104.3	134.4	198.1	175.1	272.3	429.7	374.9	466.9	4037.4	8731.0	12308.6
72.5°	99.0	125.6	166.2	137.9	221.1	332.5	261.7	339.5	2638.6	6815.7	10034.3
75°	93.7	115.0	122.0	111.4	164.5	217.5	198.1	228.1	1572.2	4981.8	7613.3
77.5°	92.0	107.9	99.0	90.2	111.4	129.1	150.3	153.9	767.5	2491.8	3989.7
80°	81.3	97.3	84.9	74.3	76.0	84.9	111.4	102.6	175.1	633.1	1064.6
82.5°	63.7	76.0	70.7	61.9	61.9	61.9	74.3	69.0	56.6	284.7	481.0
85°	44.2	53.1	53.1	49.5	47.7	47.7	46.0	44.2	15.9	17.7	26.5
87.5°	30.1	37.1	38.9	37.1	31.8	28.3	24.8	21.2	7.1	0.0	3.5
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):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	774.6	774.6	774.6	774.6	774.6	774.6	774.6	774.6	774.6	774.6
2.5°	820.6	825.9	825.9	818.8	813.5	799.4	785.2	771.1	767.5	765.7
5°	820.6	841.8	852.4	850.6	838.3	815.3	785.2	753.4	744.5	741.0
7.5°	808.2	848.9	880.7	886.0	863.0	822.3	767.5	719.8	707.4	702.1
10°	836.5	916.1	979.7	988.6	962.1	882.5	794.0	712.7	693.2	680.9
12.5°	988.6	1119.4	1197.3	1234.4	1183.1	1082.3	935.5	790.5	746.3	726.8
15°	1296.3	1482.0	1630.5	1630.5	1582.8	1404.2	1218.5	983.3	923.1	870.1
17.5°	1690.7	1924.1	2055.0	2040.8	1968.3	1842.8	1619.9	1282.1	1160.1	1105.3
20°	2139.9	2279.6	2309.6	2300.8	2269.0	2196.4	2042.6	1680.1	1515.6	1430.7
22.5°	2528.9	2491.8	2447.6	2412.2	2403.4	2424.6	2403.4	2123.9	1994.8	1844.5
25°	2792.4	2582.0	2449.3	2385.7	2415.7	2537.8	2670.4	2566.1	2463.5	2307.9
27.5°	2935.7	2571.4	2380.4	2314.9	2366.2	2539.5	2827.8	3004.6	2898.5	2824.3
30°	3013.5	2562.5	2336.2	2272.5	2350.3	2567.8	2937.4	3414.9	3418.5	3300.0
32.5°	3124.9	2619.1	2345.0	2286.6	2391.0	2652.7	3075.4	3832.3	3934.9	3871.2
35°	3250.5	2705.8	2385.7	2332.6	2461.7	2765.9	3229.2	4253.2	4467.2	4445.9
37.5°	3368.9	2803.0	2481.2	2429.9	2569.6	2863.2	3377.8	4667.0	4964.1	5038.4
40°	3492.7	2939.2	2774.7	2824.3	2902.1	3017.0	3510.4	5026.0	5510.6	5622.0
42.5°	3784.5	3411.4	3662.5	3756.2	3766.9	3529.9	3800.5	5485.8	6048.2	6180.8
45°	4435.3	4251.4	4971.2	5103.8	5034.8	4316.8	4499.0	6149.0	6799.8	6867.0
47.5°	5257.7	5342.6	6762.6	7220.7	6806.9	5245.3	5346.1	7544.3	8175.7	8150.9
50°	6216.2	6617.6	8796.4	9876.9	8886.6	6451.4	6322.3	9259.7	10025.5	9949.4
52.5°	7349.8	8099.6	11240.4	12775.5	11838.2	7807.8	7754.8	11532.2	11999.1	11756.8
55°	8776.9	9530.3	14052.3	16197.5	14864.0	9463.1	9645.3	14167.3	14257.4	13488.2
57.5°	10906.2	11396.1	17366.4	20121.7	18022.5	11712.6	13033.7	17674.1	16595.4	15138.1
60°	14772.1	13795.9	20569.1	24136.1	21382.6	14876.4	17502.6	19752.1	17373.5	15364.5
62.5°	16117.9	15833.2	22574.6	25833.9	23642.7	17474.3	18664.5	18574.3	16365.5	14508.6
65°	14078.8	15325.6	22215.6	24937.3	23352.7	17046.3	16749.2	17274.5	15230.1	13208.7
67.5°	13005.4	14133.7	20855.6	22463.2	21745.2	15594.4	14929.5	14786.2	12786.1	11176.8
70°	11923.1	13040.7	18883.8	19083.6	18749.4	13228.2	12354.6	11394.3	9556.8	8158.0
72.5°	10621.5	11236.9	16147.9	15200.0	14821.6	10389.8	10205.9	8580.6	7164.1	5963.3
75°	9263.3	9084.7	12589.8	10432.2	10715.2	8083.7	8619.5	6301.1	5248.8	4292.1
77.5°	6737.9	6605.3	8432.1	6336.4	7017.3	5294.8	4757.2	2514.8	2394.5	2065.6
80°	3759.8	4532.6	4553.8	3551.1	4430.0	3452.1	1190.2	83.1	53.1	77.8
82.5°	1747.3	1948.9	2468.8	1646.5	2527.2	1710.1	245.8	0.0	0.0	0.0
85°	565.9	827.6	693.2	242.3	611.9	578.3	40.7	0.0	0.0	0.0
87.5°	33.6	69.0	17.7	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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