

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: P639526

Luminaire Tested: GWS-SA5C-722-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639526
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-SA5C-722-U-SLL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10620 lumens
Efficiency: N/A
Efficacy: 67.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G3

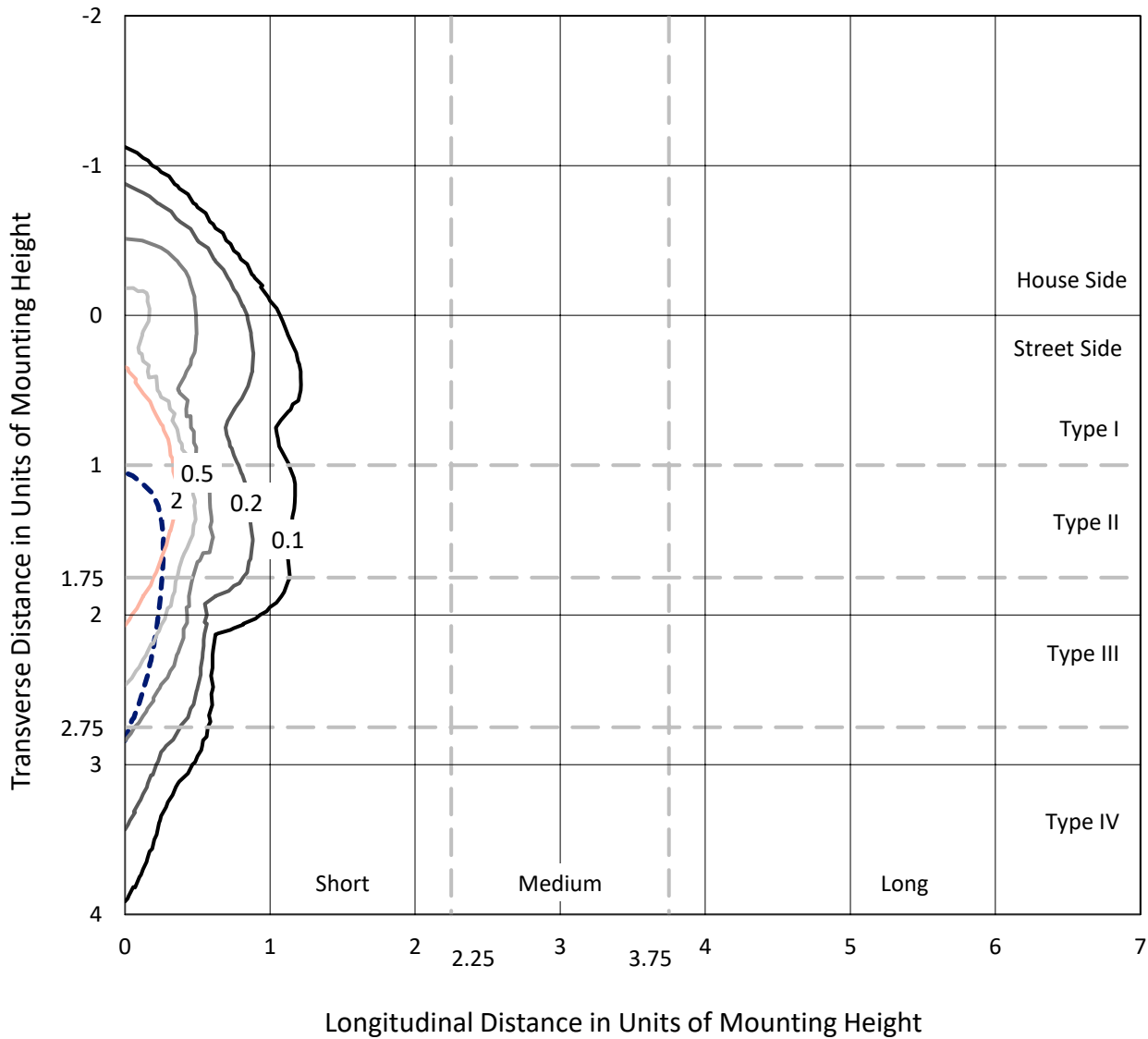
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

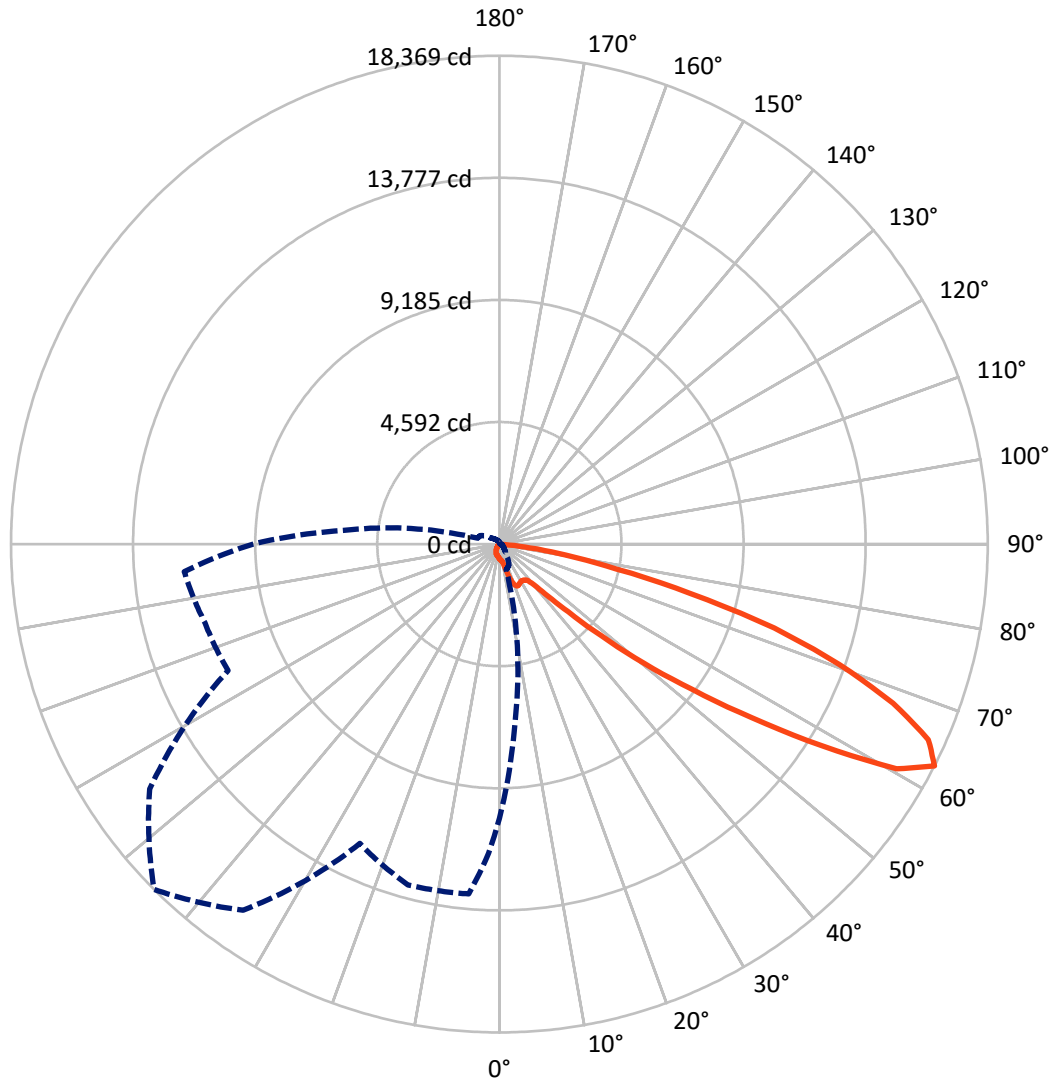
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.7 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	1233.9	0.0	1233.9
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	9386.1	0.0	9386.1
	% Fixture	88.4	0.0	88.4
Total	Lumens	10620.0	0.0	10620.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.6	0.4
10°-20°	163.0	1.5
20°-30°	368.3	3.5
30°-40°	634.4	6.0
40°-50°	1196.8	11.3
50°-60°	2672.1	25.2
60°-70°	3573.9	33.7
70°-80°	1792.2	16.9
80°-90°	171.8	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°	10620.0	100.0
0°-180°	10620.0	100.0

Coefficient of Utilization

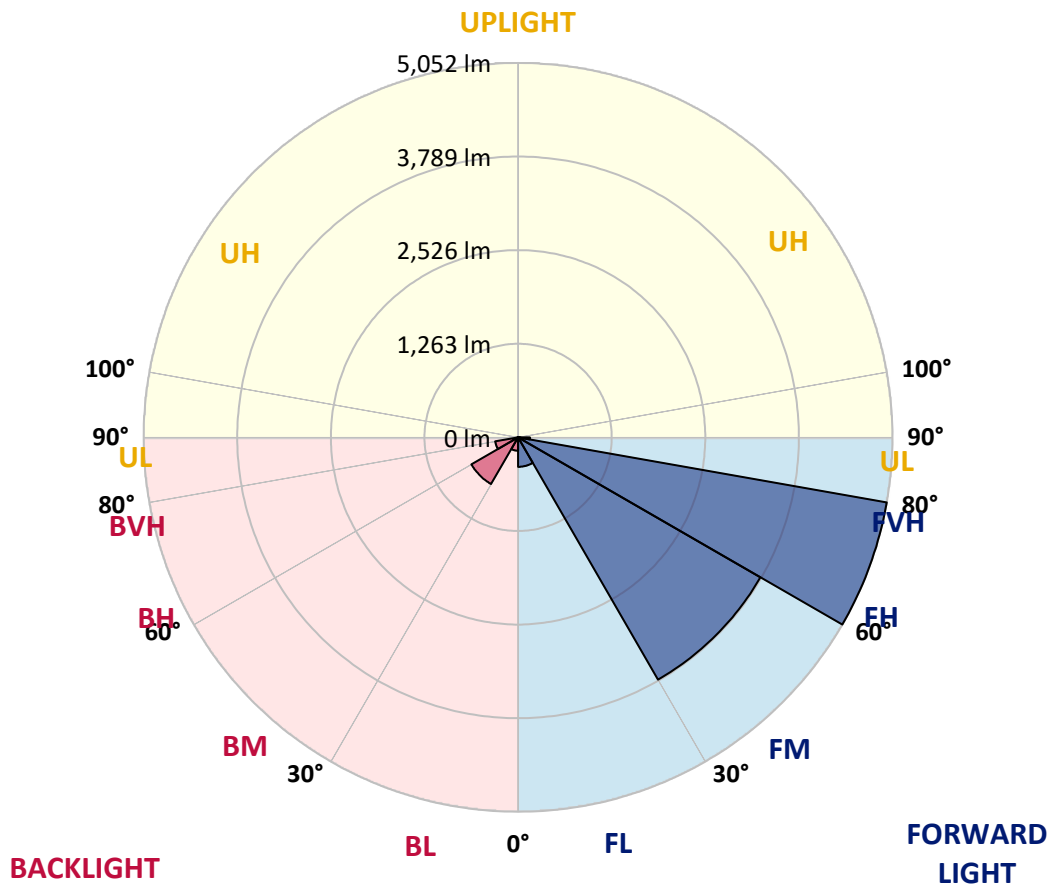


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	397.7	3.7			
FM (30°-60°)	3775.7	35.6			
FH (60°-80°)	5052.3	47.6			G3/7500
FVH (80°-90°)	160.4	1.5			G2/225
BL (0°-30°)	181.1	1.7	B1/500		
BM (30°-60°)	727.6	6.9	B1/1000		
BH (60°-80°)	313.8	3.0	B1/500		G1/500
BVH (80°-90°)	11.4	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	550.8	550.8	550.8	550.8	550.8	550.8	550.8	550.8	550.8	550.8	550.8
2.5°	544.5	543.2	540.7	533.2	526.9	523.1	515.6	515.6	514.3	511.8	506.8
5°	526.9	521.8	516.8	503.0	487.9	479.1	469.0	467.8	467.8	465.3	464.0
7.5°	499.2	494.2	487.9	465.3	451.4	442.6	433.8	432.6	428.8	428.8	428.8
10°	484.1	476.6	466.5	441.4	427.5	420.0	413.7	409.9	407.4	403.6	402.4
12.5°	516.8	503.0	481.6	436.3	417.5	407.4	399.9	397.4	389.8	384.8	381.0
15°	618.7	584.7	542.0	447.7	413.7	398.6	388.6	383.5	377.2	368.4	362.1
17.5°	785.9	736.9	665.2	484.1	409.9	391.1	378.5	369.7	360.9	350.8	343.3
20°	1017.3	944.4	858.8	550.8	409.9	382.3	367.2	355.9	343.3	332.0	323.2
22.5°	1311.5	1238.6	1092.7	663.9	415.0	371.0	353.3	338.3	323.2	313.1	303.0
25°	1641.0	1537.9	1402.1	801.0	428.8	355.9	337.0	321.9	308.1	295.5	284.2
27.5°	2008.2	1896.3	1715.2	995.9	459.0	340.8	319.4	305.6	293.0	280.4	265.3
30°	2346.4	2279.8	2094.9	1229.8	508.0	330.7	305.6	293.0	280.4	264.1	250.2
32.5°	2752.6	2634.4	2482.2	1496.4	573.4	320.7	294.2	276.6	266.6	251.5	236.4
35°	3161.3	3060.7	2860.7	1824.6	646.3	310.6	280.4	264.1	255.3	237.7	221.3
37.5°	3582.5	3559.9	3362.5	2188.0	718.0	299.3	264.1	254.0	245.2	225.1	206.2
40°	3997.5	3956.0	3773.6	2602.9	762.0	286.7	250.2	243.9	233.9	211.3	189.9
42.5°	4394.8	4363.4	4186.1	3000.3	755.7	275.4	236.4	228.9	221.3	198.7	172.3
45°	4882.7	4831.2	4607.3	3294.6	691.6	288.0	222.6	210.0	208.7	187.4	154.7
47.5°	5795.6	5625.9	5246.1	3520.9	627.5	320.7	207.5	192.4	201.2	176.0	137.1
50°	7074.5	6874.5	6325.0	3696.9	626.2	363.4	205.0	176.0	194.9	167.2	122.0
52.5°	8359.6	8007.5	7339.8	3791.2	672.7	394.8	227.6	159.7	187.4	158.4	110.7
55°	9590.7	8860.1	7764.8	3479.4	709.2	428.8	269.1	150.9	173.5	148.4	104.4
57.5°	10763.9	9545.4	7949.7	2752.6	831.2	442.6	294.2	154.7	153.4	135.8	99.3
60°	10924.8	9512.7	7576.2	1600.7	916.7	418.7	284.2	172.3	134.5	120.7	90.5
62.5°	10316.2	8880.2	6724.9	998.4	851.3	409.9	252.7	196.2	122.0	106.9	79.2
65°	9392.0	7888.1	5607.0	643.8	645.1	455.2	221.3	192.4	114.4	94.3	67.9
67.5°	7947.2	6601.7	4417.5	431.3	364.7	388.6	193.6	132.0	111.9	80.5	52.8
70°	5800.7	4699.1	2875.8	288.0	217.5	310.6	162.2	94.3	105.6	66.6	37.7
72.5°	4240.2	3157.5	1605.8	188.6	123.2	181.1	119.5	67.9	81.7	49.0	26.4
75°	3051.9	2172.9	916.7	120.7	81.7	99.3	78.0	46.5	52.8	39.0	23.9
77.5°	1468.7	1058.8	416.2	66.6	55.3	50.3	41.5	28.9	32.7	35.2	21.4
80°	55.3	41.5	31.4	32.7	35.2	22.6	18.9	15.1	18.9	23.9	11.3
82.5°	0.0	0.0	0.0	3.8	5.0	6.3	7.5	6.3	7.5	8.8	1.3
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°	550.8	550.8	550.8	550.8	550.8	550.8	550.8	550.8	550.8	550.8	550.8
2.5°	510.5	508.0	510.5	513.0	515.6	518.1	514.3	516.8	519.3	513.0	515.6
5°	470.3	469.0	476.6	480.4	485.4	487.9	485.4	485.4	484.1	476.6	476.6
7.5°	435.1	436.3	442.6	451.4	457.7	461.5	459.0	457.7	453.9	442.6	442.6
10°	408.7	408.7	418.7	426.3	435.1	438.9	436.3	432.6	428.8	417.5	416.2
12.5°	387.3	387.3	394.8	407.4	417.5	422.5	421.2	416.2	409.9	398.6	397.4
15°	367.2	365.9	377.2	388.6	402.4	408.7	406.2	402.4	391.1	381.0	378.5
17.5°	347.1	345.8	355.9	371.0	386.0	394.8	393.6	384.8	374.7	362.1	359.6
20°	326.9	324.4	337.0	352.1	367.2	376.0	373.5	365.9	353.3	340.8	338.3
22.5°	306.8	305.6	314.4	326.9	340.8	348.3	347.1	340.8	328.2	316.9	316.9
25°	284.2	284.2	290.5	299.3	309.3	313.1	314.4	311.9	304.3	298.0	298.0
27.5°	265.3	261.6	264.1	266.6	271.6	277.9	277.9	280.4	281.7	279.2	280.4
30°	250.2	243.9	240.2	235.1	232.6	235.1	237.7	246.5	255.3	260.3	262.8
32.5°	232.6	225.1	215.0	201.2	192.4	189.9	197.4	213.8	230.1	241.4	247.7
35°	215.0	205.0	186.1	166.0	154.7	150.9	159.7	178.6	202.5	222.6	231.4
37.5°	197.4	183.6	157.2	133.3	120.7	118.2	127.0	147.1	174.8	202.5	213.8
40°	177.3	161.0	129.5	104.4	94.3	91.8	99.3	119.5	148.4	179.8	197.4
42.5°	157.2	137.1	104.4	83.0	72.9	72.9	83.0	98.1	124.5	158.4	179.8
45°	137.1	115.7	85.5	66.6	60.4	61.6	67.9	83.0	104.4	139.6	159.7
47.5°	118.2	99.3	70.4	55.3	50.3	51.6	59.1	71.7	89.3	120.7	142.1
50°	101.9	84.2	61.6	46.5	42.8	45.3	52.8	64.1	79.2	106.9	124.5
52.5°	91.8	75.4	56.6	40.2	37.7	40.2	47.8	57.8	71.7	94.3	111.9
55°	86.8	74.2	56.6	36.5	32.7	35.2	42.8	52.8	64.1	85.5	100.6
57.5°	85.5	76.7	60.4	32.7	27.7	30.2	37.7	47.8	59.1	78.0	90.5
60°	80.5	72.9	59.1	26.4	21.4	25.1	31.4	41.5	54.1	72.9	84.2
62.5°	70.4	64.1	51.6	21.4	16.3	18.9	26.4	36.5	49.0	66.6	79.2
65°	57.8	51.6	40.2	13.8	10.1	12.6	20.1	31.4	42.8	60.4	71.7
67.5°	42.8	36.5	27.7	8.8	5.0	8.8	16.3	26.4	39.0	54.1	65.4
70°	26.4	21.4	15.1	5.0	3.8	7.5	15.1	25.1	35.2	50.3	61.6
72.5°	15.1	10.1	6.3	2.5	3.8	7.5	15.1	25.1	34.0	47.8	57.8
75°	11.3	6.3	2.5	1.3	2.5	6.3	13.8	22.6	32.7	45.3	55.3
77.5°	7.5	3.8	1.3	0.0	1.3	5.0	12.6	21.4	30.2	42.8	52.8
80°	1.3	0.0	0.0	0.0	0.0	3.8	11.3	18.9	27.7	37.7	46.5
82.5°	0.0	0.0	0.0	0.0	0.0	1.3	8.8	16.3	23.9	31.4	37.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	5.0	12.6	18.9	23.9	26.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	12.6	15.1	17.6
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°	550.8	550.8	550.8	550.8	550.8	550.8	550.8	550.8	550.8	550.8	550.8
2.5°	514.3	521.8	521.8	526.9	533.2	544.5	550.8	559.6	565.9	572.1	574.7
5°	475.3	476.6	477.8	480.4	487.9	500.5	511.8	525.6	542.0	554.5	562.1
7.5°	442.6	442.6	442.6	446.4	453.9	462.7	474.1	492.9	511.8	526.9	539.5
10°	415.0	418.7	420.0	426.3	435.1	446.4	459.0	475.3	496.7	516.8	539.5
12.5°	397.4	401.1	407.4	413.7	422.5	435.1	448.9	470.3	514.3	555.8	603.6
15°	381.0	386.0	393.6	402.4	412.4	426.3	441.4	485.4	588.5	666.5	741.9
17.5°	363.4	371.0	381.0	389.8	402.4	417.5	436.3	521.8	724.3	853.8	982.1
20°	340.8	350.8	362.1	376.0	391.1	408.7	436.3	597.3	920.5	1106.6	1276.3
22.5°	319.4	329.5	343.3	360.9	378.5	396.1	442.6	711.7	1173.2	1408.4	1623.4
25°	301.8	314.4	328.2	343.3	363.4	383.5	457.7	872.7	1477.5	1780.6	1932.7
27.5°	285.4	300.5	314.4	326.9	344.5	367.2	491.7	1087.7	1837.2	2145.2	2264.7
30°	269.1	286.7	300.5	313.1	330.7	354.6	543.2	1361.8	2237.0	2536.3	2548.9
32.5°	255.3	271.6	288.0	300.5	316.9	344.5	614.9	1682.5	2647.0	2936.2	2818.0
35°	240.2	259.0	274.1	288.0	305.6	335.7	697.9	2028.3	3060.7	3303.4	3085.8
37.5°	225.1	246.5	265.3	275.4	293.0	326.9	758.2	2389.2	3483.2	3661.7	3321.0
40°	211.3	235.1	256.5	266.6	275.4	315.6	767.1	2758.9	3912.0	4015.1	3542.3
42.5°	196.2	222.6	241.4	255.3	262.8	308.1	714.2	3070.7	4271.6	4367.2	3831.5
45°	179.8	211.3	226.3	236.4	251.5	313.1	646.3	3312.2	4682.8	4847.5	4308.1
47.5°	163.5	198.7	211.3	218.8	238.9	343.3	621.2	3473.1	5360.6	5702.6	5111.6
50°	148.4	187.4	201.2	199.9	236.4	382.3	648.9	3595.1	6379.1	6781.5	6213.1
52.5°	132.0	174.8	191.1	186.1	255.3	412.4	704.2	3691.9	7162.5	8046.5	7693.2
55°	118.2	161.0	176.0	174.8	290.5	435.1	746.9	3181.4	7486.9	9222.2	9360.5
57.5°	108.1	145.9	158.4	179.8	313.1	435.1	863.9	2258.4	7493.2	10087.4	11573.7
60°	99.3	132.0	140.8	197.4	304.3	412.4	855.1	1383.2	6906.0	10028.3	12750.7
62.5°	91.8	119.5	130.8	202.5	269.1	408.7	772.1	857.6	5890.0	9265.0	11896.9
65°	85.5	109.4	125.7	186.1	243.9	437.6	520.6	616.2	4777.1	8394.8	10917.3
67.5°	79.2	100.6	133.3	152.2	221.3	391.1	376.0	437.6	3749.8	7440.4	10018.2
70°	74.2	95.6	140.8	124.5	193.6	305.6	266.6	332.0	2870.8	6208.1	8751.9
72.5°	70.4	89.3	118.2	98.1	157.2	236.4	186.1	241.4	1876.1	4846.3	7134.8
75°	66.6	81.7	86.8	79.2	116.9	154.7	140.8	162.2	1117.9	3542.3	5413.4
77.5°	65.4	76.7	70.4	64.1	79.2	91.8	106.9	109.4	545.7	1771.8	2836.8
80°	57.8	69.2	60.4	52.8	54.1	60.4	79.2	72.9	124.5	450.2	757.0
82.5°	45.3	54.1	50.3	44.0	44.0	44.0	52.8	49.0	40.2	202.5	342.0
85°	31.4	37.7	37.7	35.2	34.0	34.0	32.7	31.4	11.3	12.6	18.9
87.5°	21.4	26.4	27.7	26.4	22.6	20.1	17.6	15.1	5.0	0.0	2.5
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°	550.8	550.8	550.8	550.8	550.8	550.8	550.8	550.8	550.8	550.8
2.5°	583.5	587.2	587.2	582.2	578.4	568.4	558.3	548.3	545.7	544.5
5°	583.5	598.6	606.1	604.8	596.0	579.7	558.3	535.7	529.4	526.9
7.5°	574.7	603.6	626.2	630.0	613.6	584.7	545.7	511.8	503.0	499.2
10°	594.8	651.4	696.6	702.9	684.1	627.5	564.6	506.8	492.9	484.1
12.5°	702.9	796.0	851.3	877.7	841.2	769.6	665.2	562.1	530.6	516.8
15°	921.7	1053.8	1159.4	1159.4	1125.4	998.4	866.4	699.1	656.4	618.7
17.5°	1202.1	1368.1	1461.2	1451.1	1399.6	1310.3	1151.8	911.7	824.9	785.9
20°	1521.5	1620.9	1642.2	1636.0	1613.3	1561.8	1452.4	1194.6	1077.6	1017.3
22.5°	1798.2	1771.8	1740.3	1715.2	1708.9	1724.0	1708.9	1510.2	1418.4	1311.5
25°	1985.5	1835.9	1741.6	1696.3	1717.7	1804.5	1898.8	1824.6	1751.6	1641.0
27.5°	2087.4	1828.4	1692.5	1646.0	1682.5	1805.7	2010.7	2136.4	2061.0	2008.2
30°	2142.7	1822.1	1661.1	1615.8	1671.2	1825.8	2088.6	2428.2	2430.7	2346.4
32.5°	2221.9	1862.3	1667.4	1625.9	1700.1	1886.2	2186.7	2724.9	2797.9	2752.6
35°	2311.2	1923.9	1696.3	1658.6	1750.4	1966.7	2296.1	3024.2	3176.3	3161.3
37.5°	2395.5	1993.1	1764.2	1727.8	1827.1	2035.8	2401.8	3318.4	3529.7	3582.5
40°	2483.5	2089.9	1973.0	2008.2	2063.5	2145.2	2496.1	3573.7	3918.3	3997.5
42.5°	2691.0	2425.6	2604.2	2670.8	2678.4	2509.9	2702.3	3900.6	4300.5	4394.8
45°	3153.7	3022.9	3534.7	3629.0	3580.0	3069.5	3199.0	4372.2	4834.9	4882.7
47.5°	3738.4	3798.8	4808.5	5134.2	4840.0	3729.6	3801.3	5364.3	5813.2	5795.6
50°	4420.0	4705.4	6254.6	7022.9	6318.7	4587.2	4495.4	6584.1	7128.6	7074.5
52.5°	5226.0	5759.2	7992.4	9083.9	8417.5	5551.7	5514.0	8199.9	8531.9	8359.6
55°	6240.8	6776.5	9991.8	11517.1	10569.0	6728.7	6858.2	10073.5	10137.7	9590.7
57.5°	7754.8	8103.1	12348.3	14307.4	12814.8	8328.2	9267.5	12567.1	11800.0	10763.9
60°	10503.6	9809.5	14625.5	17161.8	15204.0	10577.8	12445.1	14044.6	12353.3	10924.8
62.5°	11460.5	11258.1	16051.5	18369.0	16811.0	12425.0	13271.3	13207.1	11636.6	10316.2
65°	10010.7	10897.2	15796.2	17731.5	16604.8	12120.7	11909.4	12282.9	10829.3	9392.0
67.5°	9247.4	10049.6	14829.3	15972.3	15461.8	11088.3	10615.5	10513.6	9091.5	7947.2
70°	8477.8	9272.5	13427.2	13569.3	13331.6	9405.8	8784.6	8101.8	6795.3	5800.7
72.5°	7552.3	7989.9	11481.9	10807.9	10538.8	7387.6	7256.8	6101.2	5094.0	4240.2
75°	6586.6	6459.6	8951.9	7417.8	7619.0	5747.9	6128.9	4480.3	3732.1	3051.9
77.5°	4790.9	4696.6	5995.6	4505.5	4989.6	3764.8	3382.6	1788.1	1702.6	1468.7
80°	2673.4	3222.9	3238.0	2525.0	3149.9	2454.6	846.3	59.1	37.7	55.3
82.5°	1242.4	1385.7	1755.4	1170.7	1796.9	1216.0	174.8	0.0	0.0	0.0
85°	402.4	588.5	492.9	172.3	435.1	411.2	28.9	0.0	0.0	0.0
87.5°	23.9	49.0	12.6	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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