

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: P642001

Luminaire Tested: GWS-SA6C-722-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642001
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-SA6C-722-U-SLL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12663.6 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G3

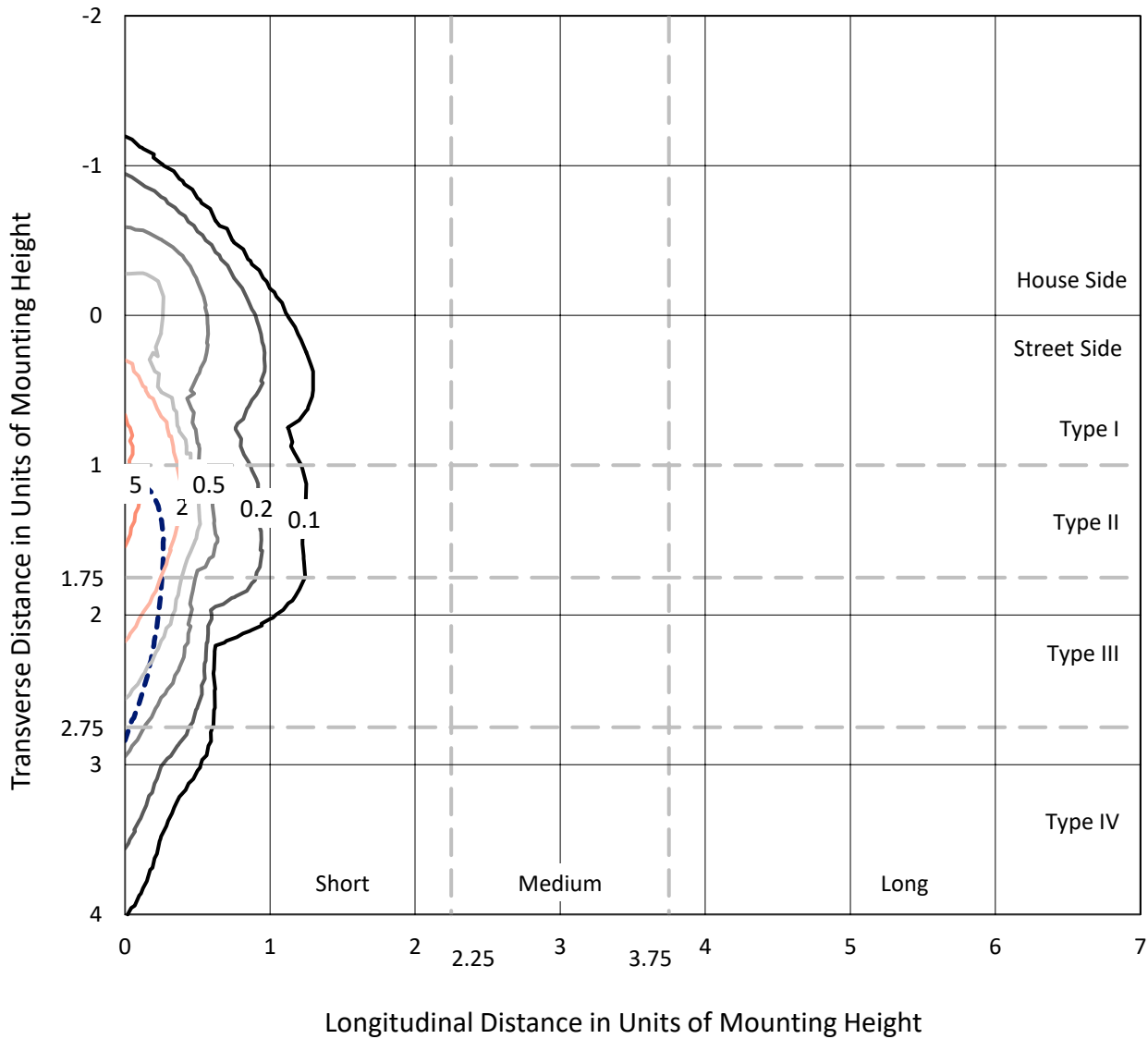
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

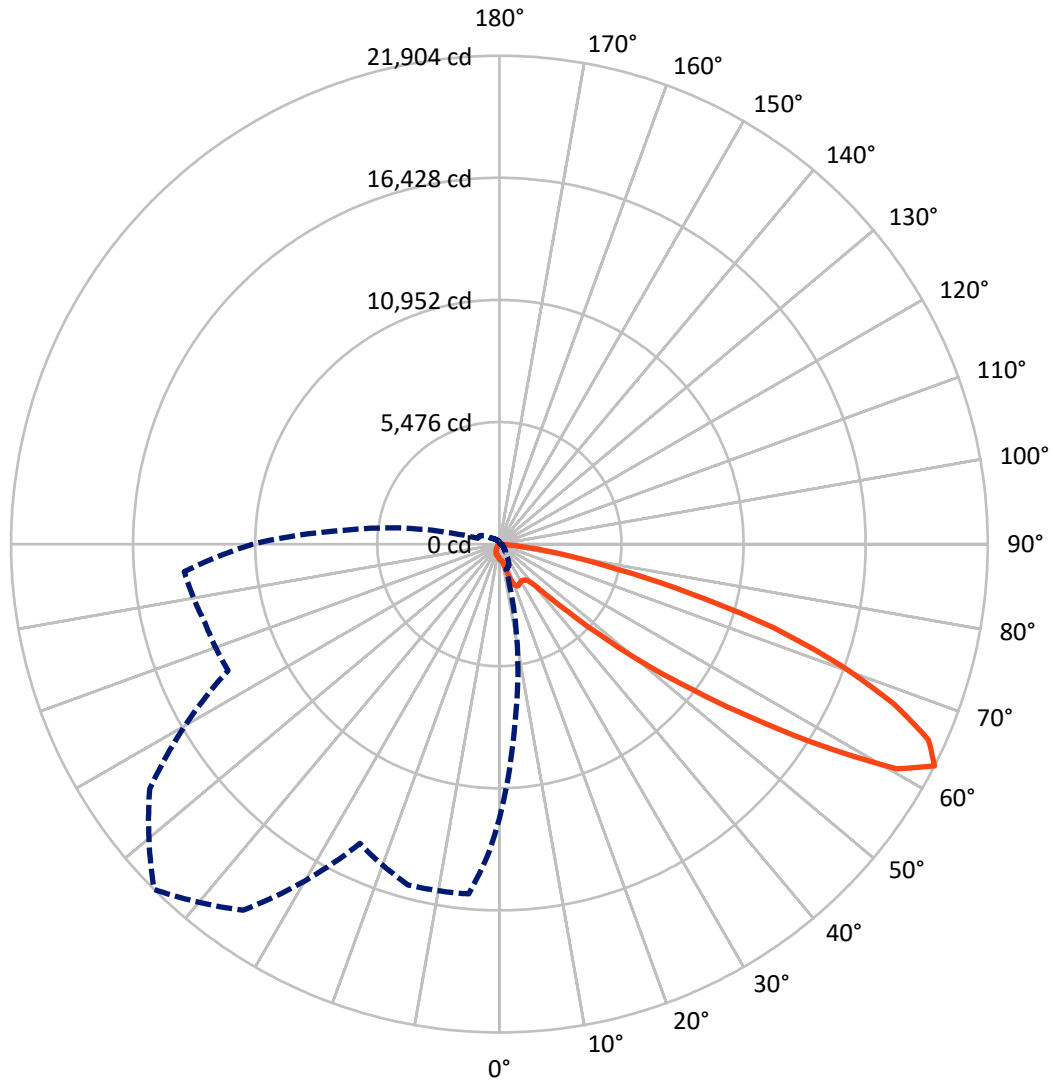
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.6 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	1471.4	0.0	1471.4
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	11192.3	0.0	11192.3
	% Fixture	88.4	0.0	88.4
Total	Lumens	12663.6	0.0	12663.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.7	0.4
10°-20°	194.4	1.5
20°-30°	439.1	3.5
30°-40°	756.5	6.0
40°-50°	1427.1	11.3
50°-60°	3186.3	25.2
60°-70°	4261.6	33.7
70°-80°	2137.1	16.9
80°-90°	204.8	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°	12663.6	100.0
0°-180°	12663.6	100.0

Coefficient of Utilization



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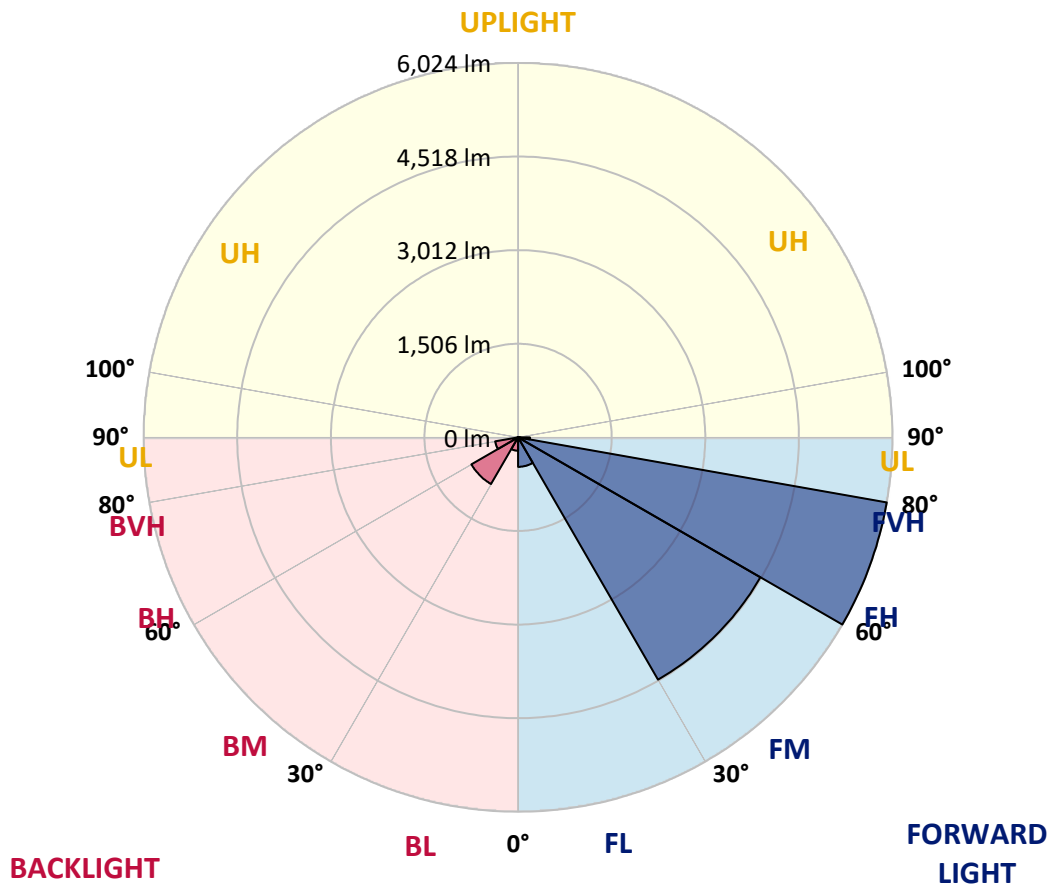
CATALOG NUMBER: GWS-SA6C-722-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	474.3	3.7			
FM (30°-60°)	4502.3	35.6			
FH (60°-80°)	6024.5	47.6			G3/7500
FVH (80°-90°)	191.2	1.5			G2/225
BL (0°-30°)	216.0	1.7	B1/500		
BM (30°-60°)	867.6	6.9	B1/1000		
BH (60°-80°)	374.2	3.0	B1/500		G1/500
BVH (80°-90°)	13.6	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°	656.8	656.8	656.8	656.8	656.8	656.8	656.8	656.8	656.8	656.8	656.8
2.5°	649.3	647.8	644.8	635.8	628.3	623.8	614.8	614.8	613.3	610.3	604.3
5°	628.3	622.3	616.3	599.8	581.8	571.3	559.3	557.8	557.8	554.8	553.3
7.5°	595.3	589.3	581.8	554.8	538.3	527.8	517.3	515.8	511.3	511.3	511.3
10°	577.3	568.3	556.3	526.3	509.8	500.8	493.3	488.8	485.8	481.3	479.8
12.5°	616.3	599.8	574.3	520.3	497.8	485.8	476.8	473.8	464.8	458.8	454.3
15°	737.7	697.2	646.3	533.8	493.3	475.3	463.3	457.3	449.8	439.3	431.8
17.5°	937.1	878.7	793.2	577.3	488.8	466.3	451.3	440.8	430.3	418.3	409.3
20°	1213.0	1126.1	1024.1	656.8	488.8	455.8	437.8	424.3	409.3	395.9	385.4
22.5°	1563.9	1476.9	1303.0	791.7	494.8	442.3	421.3	403.3	385.4	373.4	361.4
25°	1956.8	1833.8	1671.9	955.1	511.3	424.3	401.8	383.9	367.4	352.4	338.9
27.5°	2394.6	2261.1	2045.2	1187.6	547.3	406.3	380.9	364.4	349.4	334.4	316.4
30°	2797.9	2718.5	2498.1	1466.4	605.8	394.4	364.4	349.4	334.4	314.9	298.4
32.5°	3282.3	3141.3	2959.9	1784.3	683.7	382.4	350.9	329.9	317.9	299.9	281.9
35°	3769.6	3649.6	3411.2	2175.7	770.7	370.4	334.4	314.9	304.4	283.4	263.9
37.5°	4271.9	4244.9	4009.5	2609.0	856.2	356.9	314.9	302.9	292.4	268.4	245.9
40°	4766.7	4717.2	4499.8	3103.8	908.7	341.9	298.4	290.9	278.9	251.9	226.4
42.5°	5240.5	5203.0	4991.6	3577.7	901.2	328.4	281.9	272.9	263.9	236.9	205.4
45°	5822.3	5760.8	5493.9	3928.5	824.7	343.4	265.4	250.4	248.9	223.4	184.4
47.5°	6910.9	6708.5	6255.6	4198.4	748.2	382.4	247.4	229.4	239.9	209.9	163.4
50°	8435.8	8197.4	7542.2	4408.3	746.7	433.3	244.4	209.9	232.4	199.4	145.4
52.5°	9968.2	9548.4	8752.2	4520.8	802.2	470.8	271.4	190.4	223.4	188.9	132.0
55°	11436.2	10565.0	9259.0	4148.9	845.7	511.3	320.9	179.9	206.9	176.9	124.5
57.5°	12835.2	11382.2	9479.4	3282.3	991.1	527.8	350.9	184.4	182.9	161.9	118.5
60°	13027.1	11343.2	9034.1	1908.8	1093.1	499.3	338.9	205.4	160.4	143.9	108.0
62.5°	12301.4	10589.0	8019.0	1190.6	1015.1	488.8	301.4	233.9	145.4	127.5	94.5
65°	11199.3	9406.0	6686.0	767.7	769.2	542.8	263.9	229.4	136.4	112.5	81.0
67.5°	9476.4	7872.0	5267.5	514.3	434.8	463.3	230.9	157.4	133.4	96.0	63.0
70°	6916.9	5603.4	3429.2	343.4	259.4	370.4	193.4	112.5	126.0	79.5	45.0
72.5°	5056.1	3765.1	1914.8	224.9	146.9	215.9	142.4	81.0	97.5	58.5	31.5
75°	3639.1	2591.0	1093.1	143.9	97.5	118.5	93.0	55.5	63.0	46.5	28.5
77.5°	1751.3	1262.5	496.3	79.5	66.0	60.0	49.5	34.5	39.0	42.0	25.5
80°	66.0	49.5	37.5	39.0	42.0	27.0	22.5	18.0	22.5	28.5	13.5
82.5°	0.0	0.0	0.0	4.5	6.0	7.5	9.0	7.5	9.0	10.5	1.5
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°	656.8	656.8	656.8	656.8	656.8	656.8	656.8	656.8	656.8	656.8	656.8
2.5°	608.8	605.8	608.8	611.8	614.8	617.8	613.3	616.3	619.3	611.8	614.8
5°	560.8	559.3	568.3	572.8	578.8	581.8	578.8	578.8	577.3	568.3	568.3
7.5°	518.8	520.3	527.8	538.3	545.8	550.3	547.3	545.8	541.3	527.8	527.8
10°	487.3	487.3	499.3	508.3	518.8	523.3	520.3	515.8	511.3	497.8	496.3
12.5°	461.8	461.8	470.8	485.8	497.8	503.8	502.3	496.3	488.8	475.3	473.8
15°	437.8	436.3	449.8	463.3	479.8	487.3	484.3	479.8	466.3	454.3	451.3
17.5°	413.8	412.3	424.3	442.3	460.3	470.8	469.3	458.8	446.8	431.8	428.8
20°	389.9	386.9	401.8	419.8	437.8	448.3	445.3	436.3	421.3	406.3	403.3
22.5°	365.9	364.4	374.9	389.9	406.3	415.3	413.8	406.3	391.4	377.9	377.9
25°	338.9	338.9	346.4	356.9	368.9	373.4	374.9	371.9	362.9	355.4	355.4
27.5°	316.4	311.9	314.9	317.9	323.9	331.4	331.4	334.4	335.9	332.9	334.4
30°	298.4	290.9	286.4	280.4	277.4	280.4	283.4	293.9	304.4	310.4	313.4
32.5°	277.4	268.4	256.4	239.9	229.4	226.4	235.4	254.9	274.4	287.9	295.4
35°	256.4	244.4	221.9	197.9	184.4	179.9	190.4	212.9	241.4	265.4	275.9
37.5°	235.4	218.9	187.4	158.9	143.9	140.9	151.4	175.4	208.4	241.4	254.9
40°	211.4	191.9	154.4	124.5	112.5	109.5	118.5	142.4	176.9	214.4	235.4
42.5°	187.4	163.4	124.5	99.0	87.0	87.0	99.0	117.0	148.4	188.9	214.4
45°	163.4	137.9	102.0	79.5	72.0	73.5	81.0	99.0	124.5	166.4	190.4
47.5°	140.9	118.5	84.0	66.0	60.0	61.5	70.5	85.5	106.5	143.9	169.4
50°	121.5	100.5	73.5	55.5	51.0	54.0	63.0	76.5	94.5	127.5	148.4
52.5°	109.5	90.0	67.5	48.0	45.0	48.0	57.0	69.0	85.5	112.5	133.4
55°	103.5	88.5	67.5	43.5	39.0	42.0	51.0	63.0	76.5	102.0	120.0
57.5°	102.0	91.5	72.0	39.0	33.0	36.0	45.0	57.0	70.5	93.0	108.0
60°	96.0	87.0	70.5	31.5	25.5	30.0	37.5	49.5	64.5	87.0	100.5
62.5°	84.0	76.5	61.5	25.5	19.5	22.5	31.5	43.5	58.5	79.5	94.5
65°	69.0	61.5	48.0	16.5	12.0	15.0	24.0	37.5	51.0	72.0	85.5
67.5°	51.0	43.5	33.0	10.5	6.0	10.5	19.5	31.5	46.5	64.5	78.0
70°	31.5	25.5	18.0	6.0	4.5	9.0	18.0	30.0	42.0	60.0	73.5
72.5°	18.0	12.0	7.5	3.0	4.5	9.0	18.0	30.0	40.5	57.0	69.0
75°	13.5	7.5	3.0	1.5	3.0	7.5	16.5	27.0	39.0	54.0	66.0
77.5°	9.0	4.5	1.5	0.0	1.5	6.0	15.0	25.5	36.0	51.0	63.0
80°	1.5	0.0	0.0	0.0	0.0	4.5	13.5	22.5	33.0	45.0	55.5
82.5°	0.0	0.0	0.0	0.0	0.0	1.5	10.5	19.5	28.5	37.5	45.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	6.0	15.0	22.5	28.5	31.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	15.0	18.0	21.0
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°	656.8	656.8	656.8	656.8	656.8	656.8	656.8	656.8	656.8	656.8	656.8
2.5°	613.3	622.3	622.3	628.3	635.8	649.3	656.8	667.2	674.7	682.2	685.2
5°	566.8	568.3	569.8	572.8	581.8	596.8	610.3	626.8	646.3	661.3	670.2
7.5°	527.8	527.8	527.8	532.3	541.3	551.8	565.3	587.8	610.3	628.3	643.3
10°	494.8	499.3	500.8	508.3	518.8	532.3	547.3	566.8	592.3	616.3	643.3
12.5°	473.8	478.3	485.8	493.3	503.8	518.8	535.3	560.8	613.3	662.8	719.7
15°	454.3	460.3	469.3	479.8	491.8	508.3	526.3	578.8	701.7	794.7	884.7
17.5°	433.3	442.3	454.3	464.8	479.8	497.8	520.3	622.3	863.7	1018.1	1171.1
20°	406.3	418.3	431.8	448.3	466.3	487.3	520.3	712.2	1097.6	1319.5	1521.9
22.5°	380.9	392.9	409.3	430.3	451.3	472.3	527.8	848.7	1399.0	1679.4	1935.8
25°	359.9	374.9	391.4	409.3	433.3	457.3	545.8	1040.6	1761.8	2123.2	2304.6
27.5°	340.4	358.4	374.9	389.9	410.8	437.8	586.3	1297.0	2190.7	2558.0	2700.5
30°	320.9	341.9	358.4	373.4	394.4	422.8	647.8	1623.9	2667.5	3024.4	3039.4
32.5°	304.4	323.9	343.4	358.4	377.9	410.8	733.2	2006.2	3156.3	3501.2	3360.2
35°	286.4	308.9	326.9	343.4	364.4	400.3	832.2	2418.6	3649.6	3939.0	3679.6
37.5°	268.4	293.9	316.4	328.4	349.4	389.9	904.2	2848.9	4153.4	4366.4	3960.0
40°	251.9	280.4	305.9	317.9	328.4	376.4	914.7	3289.8	4664.7	4787.7	4223.9
42.5°	233.9	265.4	287.9	304.4	313.4	367.4	851.7	3661.6	5093.6	5207.5	4568.8
45°	214.4	251.9	269.9	281.9	299.9	373.4	770.7	3949.5	5583.9	5780.3	5137.1
47.5°	194.9	236.9	251.9	260.9	284.9	409.3	740.7	4141.4	6392.1	6799.9	6095.2
50°	176.9	223.4	239.9	238.4	281.9	455.8	773.7	4286.9	7606.6	8086.5	7408.7
52.5°	157.4	208.4	227.9	221.9	304.4	491.8	839.7	4402.3	8540.8	9594.9	9173.5
55°	140.9	191.9	209.9	208.4	346.4	518.8	890.7	3793.6	8927.6	10996.9	11161.8
57.5°	129.0	173.9	188.9	214.4	373.4	518.8	1030.1	2693.0	8935.1	12028.5	13800.8
60°	118.5	157.4	167.9	235.4	362.9	491.8	1019.6	1649.4	8234.9	11958.0	15204.3
62.5°	109.5	142.4	155.9	241.4	320.9	487.3	920.7	1022.6	7023.4	11047.8	14186.2
65°	102.0	130.5	149.9	221.9	290.9	521.8	620.8	734.7	5696.4	10010.2	13018.1
67.5°	94.5	120.0	158.9	181.4	263.9	466.3	448.3	521.8	4471.3	8872.2	11946.0
70°	88.5	114.0	167.9	148.4	230.9	364.4	317.9	395.9	3423.2	7402.7	10436.1
72.5°	84.0	106.5	140.9	117.0	187.4	281.9	221.9	287.9	2237.2	5778.8	8507.8
75°	79.5	97.5	103.5	94.5	139.4	184.4	167.9	193.4	1333.0	4223.9	6455.1
77.5°	78.0	91.5	84.0	76.5	94.5	109.5	127.5	130.5	650.8	2112.7	3382.7
80°	69.0	82.5	72.0	63.0	64.5	72.0	94.5	87.0	148.4	536.8	902.7
82.5°	54.0	64.5	60.0	52.5	52.5	52.5	63.0	58.5	48.0	241.4	407.8
85°	37.5	45.0	45.0	42.0	40.5	40.5	39.0	37.5	13.5	15.0	22.5
87.5°	25.5	31.5	33.0	31.5	27.0	24.0	21.0	18.0	6.0	0.0	3.0
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):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	656.8	656.8	656.8	656.8	656.8	656.8	656.8	656.8	656.8	656.8
2.5°	695.7	700.2	700.2	694.2	689.7	677.7	665.7	653.8	650.8	649.3
5°	695.7	713.7	722.7	721.2	710.7	691.2	665.7	638.8	631.3	628.3
7.5°	685.2	719.7	746.7	751.2	731.7	697.2	650.8	610.3	599.8	595.3
10°	709.2	776.7	830.7	838.2	815.7	748.2	673.2	604.3	587.8	577.3
12.5°	838.2	949.1	1015.1	1046.6	1003.1	917.7	793.2	670.2	632.8	616.3
15°	1099.1	1256.5	1382.5	1382.5	1342.0	1190.6	1033.1	833.7	782.7	737.7
17.5°	1433.5	1631.4	1742.3	1730.3	1668.9	1562.4	1373.5	1087.1	983.6	937.1
20°	1814.3	1932.8	1958.3	1950.8	1923.8	1862.3	1731.8	1424.5	1285.0	1213.0
22.5°	2144.2	2112.7	2075.2	2045.2	2037.7	2055.7	2037.7	1800.8	1691.4	1563.9
25°	2367.6	2189.2	2076.7	2022.7	2048.2	2151.7	2264.1	2175.7	2088.7	1956.8
27.5°	2489.1	2180.2	2018.2	1962.8	2006.2	2153.2	2397.6	2547.5	2457.6	2394.6
30°	2555.0	2172.7	1980.8	1926.8	1992.7	2177.2	2490.6	2895.4	2898.4	2797.9
32.5°	2649.5	2220.7	1988.3	1938.8	2027.2	2249.2	2607.5	3249.3	3336.2	3282.3
35°	2756.0	2294.1	2022.7	1977.8	2087.2	2345.1	2738.0	3606.1	3787.6	3769.6
37.5°	2856.4	2376.6	2103.7	2060.2	2178.7	2427.6	2863.9	3957.0	4208.9	4271.9
40°	2961.4	2492.1	2352.6	2394.6	2460.6	2558.0	2976.4	4261.4	4672.2	4766.7
42.5°	3208.8	2892.4	3105.3	3184.8	3193.8	2992.9	3222.3	4651.2	5128.1	5240.5
45°	3760.6	3604.6	4214.9	4327.4	4268.9	3660.1	3814.6	5213.5	5765.3	5822.3
47.5°	4457.8	4529.8	5733.8	6122.2	5771.3	4447.3	4532.8	6396.6	6931.9	6910.9
50°	5270.5	5610.9	7458.2	8374.3	7534.7	5469.9	5360.5	7851.0	8500.3	8435.8
52.5°	6231.7	6867.4	9530.4	10831.9	10037.2	6620.0	6575.0	9777.8	10173.7	9968.2
55°	7441.7	8080.5	11914.5	13733.3	12602.8	8023.5	8177.9	12012.0	12088.4	11436.2
57.5°	9247.0	9662.4	14724.5	17060.6	15280.7	9930.8	11050.8	14985.4	14070.7	12835.2
60°	12524.8	11697.1	17439.9	20464.3	18129.7	12613.2	14839.9	16747.2	14730.4	13027.1
62.5°	13665.8	13424.4	19140.3	21903.7	20045.9	14815.9	15825.0	15748.6	13875.8	12301.4
65°	11937.0	12994.1	18835.9	21143.5	19800.0	14453.1	14201.1	14646.5	12913.1	11199.3
67.5°	11026.8	11983.5	17682.8	19045.8	18437.1	13222.0	12658.2	12536.8	10840.9	9476.4
70°	10109.2	11056.8	16011.0	16180.4	15897.0	11215.8	10475.1	9660.9	8102.9	6916.9
72.5°	9005.6	9527.4	13691.3	12887.6	12566.8	8809.2	8653.2	7275.3	6074.2	5056.1
75°	7854.0	7702.6	10674.5	8845.2	9085.1	6853.9	7308.2	5342.5	4450.3	3639.1
77.5°	5712.8	5600.4	7149.3	5372.5	5949.8	4489.3	4033.5	2132.2	2030.2	1751.3
80°	3187.8	3843.1	3861.0	3010.9	3756.1	2926.9	1009.1	70.5	45.0	66.0
82.5°	1481.4	1652.4	2093.2	1396.0	2142.7	1450.0	208.4	0.0	0.0	0.0
85°	479.8	701.7	587.8	205.4	518.8	490.3	34.5	0.0	0.0	0.0
87.5°	28.5	58.5	15.0	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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