

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: P642276

Luminaire Tested: GWS-SA6C-750-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642276
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17586.1 lumens
Efficiency: N/A
Efficacy: 92.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

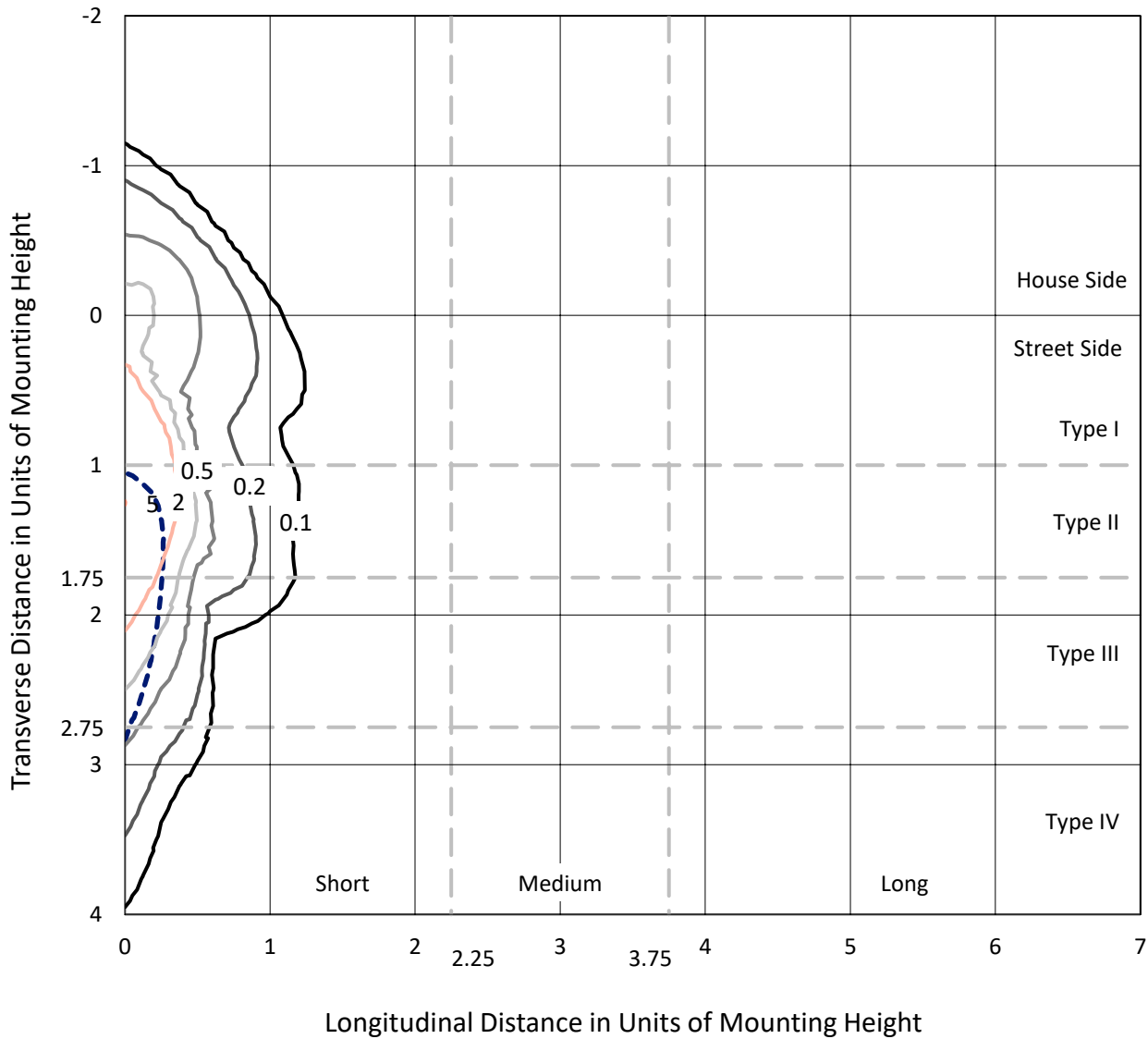
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

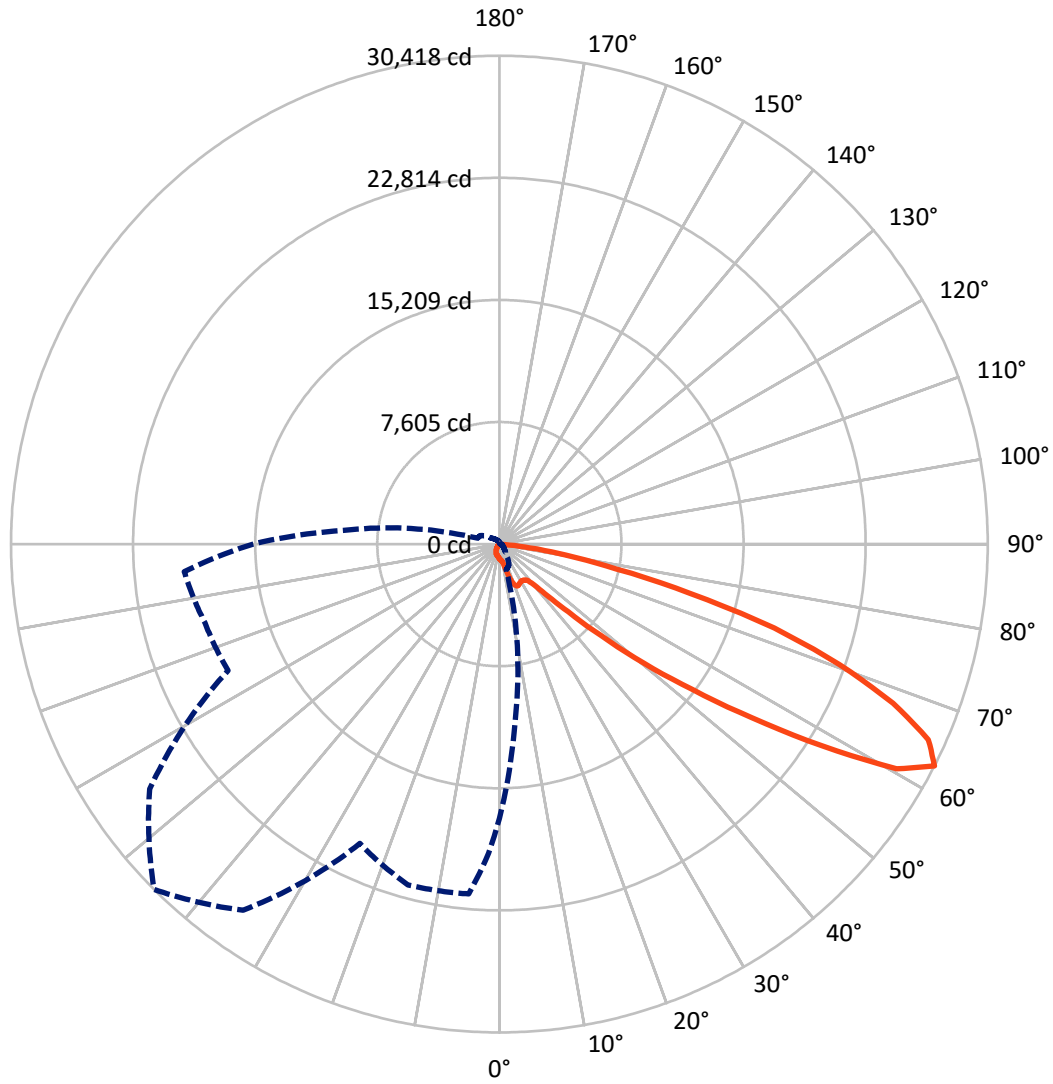
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 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	2043.3	0.0	2043.3
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	15542.8	0.0	15542.8
	% Fixture	88.4	0.0	88.4
Total	Lumens	17586.1	0.0	17586.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.8	0.4
10°-20°	269.9	1.5
20°-30°	609.8	3.5
30°-40°	1050.6	6.0
40°-50°	1981.8	11.3
50°-60°	4424.8	25.2
60°-70°	5918.1	33.7
70°-80°	2967.8	16.9
80°-90°	284.5	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°	17586.1	100.0
0°-180°	17586.1	100.0

Coefficient of Utilization



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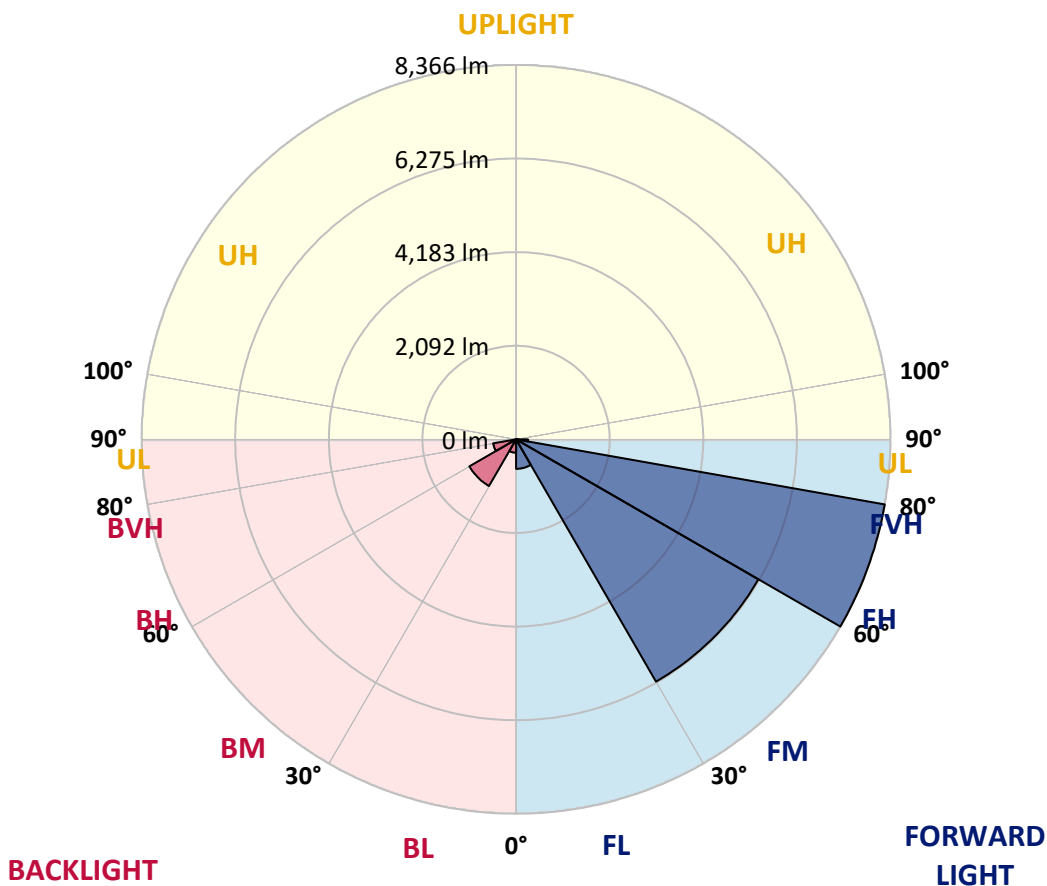
CATALOG NUMBER: GWS-SA6C-750-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	658.6	3.7			
FM (30°-60°)	6252.4	35.6			
FH (60°-80°)	8366.3	47.6			G4/12000
FVH (80°-90°)	265.5	1.5			G3/500
BL (0°-30°)	299.9	1.7	B1/500		
BM (30°-60°)	1204.8	6.9	B2/2500		
BH (60°-80°)	519.6	3.0	B2/1000		G2/1000
BVH (80°-90°)	18.9	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-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	912.0	912.0	912.0	912.0	912.0	912.0	912.0	912.0	912.0	912.0	912.0
2.5°	901.6	899.5	895.4	882.9	872.5	866.2	853.7	853.7	851.7	847.5	839.2
5°	872.5	864.1	855.8	832.9	807.9	793.4	776.7	774.6	774.6	770.4	768.4
7.5°	826.7	818.3	807.9	770.4	747.5	733.0	718.4	716.3	710.1	710.1	710.1
10°	801.7	789.2	772.5	730.9	708.0	695.5	685.1	678.8	674.7	668.4	666.3
12.5°	855.8	832.9	797.5	722.6	691.3	674.7	662.2	658.0	645.5	637.2	630.9
15°	1024.5	968.3	897.5	741.3	685.1	660.1	643.4	635.1	624.7	610.1	599.7
17.5°	1301.4	1220.2	1101.5	801.7	678.8	647.6	626.8	612.2	597.6	581.0	568.5
20°	1684.6	1563.8	1422.2	912.0	678.8	633.0	608.0	589.3	568.5	549.7	535.1
22.5°	2171.8	2051.0	1809.5	1099.4	687.2	614.3	585.1	560.1	535.1	518.5	501.8
25°	2717.4	2546.6	2321.7	1326.4	710.1	589.3	558.1	533.1	510.2	489.3	470.6
27.5°	3325.4	3140.1	2840.2	1649.2	760.0	564.3	528.9	506.0	485.2	464.3	439.4
30°	3885.5	3775.2	3469.1	2036.5	841.2	547.6	506.0	485.2	464.3	437.3	414.4
32.5°	4558.1	4362.4	4110.4	2477.9	949.5	531.0	487.3	458.1	441.4	416.5	391.5
35°	5234.9	5068.3	4737.2	3021.4	1070.3	514.3	464.3	437.3	422.7	393.6	366.5
37.5°	5932.4	5894.9	5568.0	3623.2	1189.0	495.6	437.3	420.6	406.0	372.7	341.5
40°	6619.6	6550.9	6248.9	4310.3	1261.9	474.8	414.4	404.0	387.3	349.8	314.4
42.5°	7277.6	7225.5	6931.9	4968.3	1251.5	456.0	391.5	379.0	366.5	329.0	285.3
45°	8085.5	8000.1	7629.5	5455.6	1145.3	476.8	368.6	347.7	345.7	310.3	256.1
47.5°	9597.2	9316.1	8687.3	5830.4	1039.1	531.0	343.6	318.6	333.2	291.5	227.0
50°	11714.9	11383.8	10473.9	6121.9	1037.0	601.8	339.4	291.5	322.8	276.9	202.0
52.5°	13843.0	13260.0	12154.3	6278.1	1114.0	653.8	376.9	264.5	310.3	262.4	183.2
55°	15881.6	14671.8	12858.1	5761.7	1174.4	710.1	445.6	249.9	287.4	245.7	172.8
57.5°	17824.4	15806.6	13164.2	4558.1	1376.4	733.0	487.3	256.1	254.0	224.9	164.5
60°	18090.9	15752.5	12545.8	2650.7	1518.0	693.4	470.6	285.3	222.8	199.9	149.9
62.5°	17083.1	14705.1	11136.1	1653.3	1409.7	678.8	418.5	324.8	202.0	177.0	131.2
65°	15552.6	13062.2	9284.9	1066.1	1068.2	753.8	366.5	318.6	189.5	156.2	112.4
67.5°	13160.0	10932.0	7315.1	714.2	603.9	643.4	320.7	218.6	185.3	133.3	87.5
70°	9605.6	7781.5	4762.2	476.8	360.2	514.3	268.6	156.2	174.9	110.4	62.5
72.5°	7021.5	5228.6	2659.1	312.3	204.1	299.8	197.8	112.4	135.3	81.2	43.7
75°	5053.7	3598.2	1518.0	199.9	135.3	164.5	129.1	77.0	87.5	64.6	39.6
77.5°	2432.1	1753.3	689.2	110.4	91.6	83.3	68.7	47.9	54.1	58.3	35.4
80°	91.6	68.7	52.1	54.1	58.3	37.5	31.2	25.0	31.2	39.6	18.7
82.5°	0.0	0.0	0.0	6.2	8.3	10.4	12.5	10.4	12.5	14.6	2.1
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°	912.0	912.0	912.0	912.0	912.0	912.0	912.0	912.0	912.0	912.0	912.0
2.5°	845.4	841.2	845.4	849.6	853.7	857.9	851.7	855.8	860.0	849.6	853.7
5°	778.8	776.7	789.2	795.4	803.8	807.9	803.8	803.8	801.7	789.2	789.2
7.5°	720.5	722.6	733.0	747.5	758.0	764.2	760.0	758.0	751.7	733.0	733.0
10°	676.7	676.7	693.4	705.9	720.5	726.7	722.6	716.3	710.1	691.3	689.2
12.5°	641.3	641.3	653.8	674.7	691.3	699.6	697.6	689.2	678.8	660.1	658.0
15°	608.0	605.9	624.7	643.4	666.3	676.7	672.6	666.3	647.6	630.9	626.8
17.5°	574.7	572.6	589.3	614.3	639.3	653.8	651.8	637.2	620.5	599.7	595.5
20°	541.4	537.2	558.1	583.0	608.0	622.6	618.4	605.9	585.1	564.3	560.1
22.5°	508.1	506.0	520.6	541.4	564.3	576.8	574.7	564.3	543.5	524.7	524.7
25°	470.6	470.6	481.0	495.6	512.2	518.5	520.6	516.4	503.9	493.5	493.5
27.5°	439.4	433.1	437.3	441.4	449.8	460.2	460.2	464.3	466.4	462.3	464.3
30°	414.4	404.0	397.7	389.4	385.2	389.4	393.6	408.1	422.7	431.0	435.2
32.5°	385.2	372.7	356.1	333.2	318.6	314.4	326.9	354.0	381.1	399.8	410.2
35°	356.1	339.4	308.2	274.9	256.1	249.9	264.5	295.7	335.2	368.6	383.1
37.5°	326.9	304.0	260.3	220.7	199.9	195.7	210.3	243.6	289.4	335.2	354.0
40°	293.6	266.5	214.5	172.8	156.2	152.0	164.5	197.8	245.7	297.8	326.9
42.5°	260.3	227.0	172.8	137.4	120.8	120.8	137.4	162.4	206.1	262.4	297.8
45°	227.0	191.6	141.6	110.4	99.9	102.0	112.4	137.4	172.8	231.1	264.5
47.5°	195.7	164.5	116.6	91.6	83.3	85.4	97.9	118.7	147.8	199.9	235.3
50°	168.7	139.5	102.0	77.0	70.8	75.0	87.5	106.2	131.2	177.0	206.1
52.5°	152.0	124.9	93.7	66.6	62.5	66.6	79.1	95.8	118.7	156.2	185.3
55°	143.7	122.9	93.7	60.4	54.1	58.3	70.8	87.5	106.2	141.6	166.6
57.5°	141.6	127.0	99.9	54.1	45.8	50.0	62.5	79.1	97.9	129.1	149.9
60°	133.3	120.8	97.9	43.7	35.4	41.6	52.1	68.7	89.5	120.8	139.5
62.5°	116.6	106.2	85.4	35.4	27.1	31.2	43.7	60.4	81.2	110.4	131.2
65°	95.8	85.4	66.6	22.9	16.7	20.8	33.3	52.1	70.8	99.9	118.7
67.5°	70.8	60.4	45.8	14.6	8.3	14.6	27.1	43.7	64.6	89.5	108.3
70°	43.7	35.4	25.0	8.3	6.2	12.5	25.0	41.6	58.3	83.3	102.0
72.5°	25.0	16.7	10.4	4.2	6.2	12.5	25.0	41.6	56.2	79.1	95.8
75°	18.7	10.4	4.2	2.1	4.2	10.4	22.9	37.5	54.1	75.0	91.6
77.5°	12.5	6.2	2.1	0.0	2.1	8.3	20.8	35.4	50.0	70.8	87.5
80°	2.1	0.0	0.0	0.0	0.0	6.2	18.7	31.2	45.8	62.5	77.0
82.5°	0.0	0.0	0.0	0.0	0.0	2.1	14.6	27.1	39.6	52.1	62.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	8.3	20.8	31.2	39.6	43.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	20.8	25.0	29.2
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°	912.0	912.0	912.0	912.0	912.0	912.0	912.0	912.0	912.0	912.0	912.0
2.5°	851.7	864.1	864.1	872.5	882.9	901.6	912.0	926.6	937.0	947.4	951.6
5°	787.1	789.2	791.3	795.4	807.9	828.7	847.5	870.4	897.5	918.3	930.8
7.5°	733.0	733.0	733.0	739.2	751.7	766.3	785.0	816.3	847.5	872.5	893.3
10°	687.2	693.4	695.5	705.9	720.5	739.2	760.0	787.1	822.5	855.8	893.3
12.5°	658.0	664.2	674.7	685.1	699.6	720.5	743.4	778.8	851.7	920.4	999.5
15°	630.9	639.3	651.8	666.3	683.0	705.9	730.9	803.8	974.5	1103.6	1228.5
17.5°	601.8	614.3	630.9	645.5	666.3	691.3	722.6	864.1	1199.4	1413.9	1626.3
20°	564.3	581.0	599.7	622.6	647.6	676.7	722.6	989.1	1524.2	1832.4	2113.5
22.5°	528.9	545.6	568.5	597.6	626.8	655.9	733.0	1178.6	1942.8	2332.2	2688.2
25°	499.7	520.6	543.5	568.5	601.8	635.1	758.0	1445.1	2446.7	2948.5	3200.5
27.5°	472.7	497.7	520.6	541.4	570.5	608.0	814.2	1801.2	3042.2	3552.4	3750.2
30°	445.6	474.8	497.7	518.5	547.6	587.2	899.5	2255.1	3704.4	4200.0	4220.8
32.5°	422.7	449.8	476.8	497.7	524.7	570.5	1018.2	2786.1	4383.2	4862.1	4666.4
35°	397.7	429.0	453.9	476.8	506.0	556.0	1155.7	3358.7	5068.3	5470.2	5109.9
37.5°	372.7	408.1	439.4	456.0	485.2	541.4	1255.6	3956.3	5767.9	6063.6	5499.3
40°	349.8	389.4	424.8	441.4	456.0	522.7	1270.2	4568.5	6478.0	6648.7	5865.8
42.5°	324.8	368.6	399.8	422.7	435.2	510.2	1182.7	5084.9	7073.5	7231.8	6344.7
45°	297.8	349.8	374.8	391.5	416.5	518.5	1070.3	5484.7	7754.4	8027.2	7133.9
47.5°	270.7	329.0	349.8	362.3	395.6	568.5	1028.6	5751.3	8876.8	9443.2	8464.5
50°	245.7	310.3	333.2	331.1	391.5	633.0	1074.5	5953.3	10563.4	11229.8	10288.6
52.5°	218.6	289.4	316.5	308.2	422.7	683.0	1166.1	6113.6	11860.7	13324.5	12739.4
55°	195.7	266.5	291.5	289.4	481.0	720.5	1236.9	5268.2	12397.9	15271.5	15500.5
57.5°	179.1	241.5	262.4	297.8	518.5	720.5	1430.5	3739.8	12408.3	16704.1	19165.3
60°	164.5	218.6	233.2	326.9	503.9	683.0	1416.0	2290.5	11435.9	16606.2	21114.4
62.5°	152.0	197.8	216.6	335.2	445.6	676.7	1278.5	1420.1	9753.4	15342.3	19700.5
65°	141.6	181.2	208.2	308.2	404.0	724.6	862.1	1020.3	7910.6	13901.3	18078.4
67.5°	131.2	166.6	220.7	252.0	366.5	647.6	622.6	724.6	6209.4	12320.9	16589.6
70°	122.9	158.3	233.2	206.1	320.7	506.0	441.4	549.7	4753.9	10280.2	14492.7
72.5°	116.6	147.8	195.7	162.4	260.3	391.5	308.2	399.8	3106.8	8025.1	11814.9
75°	110.4	135.3	143.7	131.2	193.7	256.1	233.2	268.6	1851.2	5865.8	8964.2
77.5°	108.3	127.0	116.6	106.2	131.2	152.0	177.0	181.2	903.7	2933.9	4697.6
80°	95.8	114.5	99.9	87.5	89.5	99.9	131.2	120.8	206.1	745.5	1253.5
82.5°	75.0	89.5	83.3	72.9	72.9	72.9	87.5	81.2	66.6	335.2	566.4
85°	52.1	62.5	62.5	58.3	56.2	56.2	54.1	52.1	18.7	20.8	31.2
87.5°	35.4	43.7	45.8	43.7	37.5	33.3	29.2	25.0	8.3	0.0	4.2
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°	912.0	912.0	912.0	912.0	912.0	912.0	912.0	912.0	912.0	912.0
2.5°	966.2	972.4	972.4	964.1	957.9	941.2	924.5	907.9	903.7	901.6
5°	966.2	991.2	1003.7	1001.6	987.0	959.9	924.5	887.1	876.6	872.5
7.5°	951.6	999.5	1037.0	1043.2	1016.2	968.3	903.7	847.5	832.9	826.7
10°	984.9	1078.6	1153.6	1164.0	1132.8	1039.1	934.9	839.2	816.3	801.7
12.5°	1164.0	1318.1	1409.7	1453.4	1393.0	1274.4	1101.5	930.8	878.7	855.8
15°	1526.3	1745.0	1919.9	1919.9	1863.6	1653.3	1434.7	1157.7	1087.0	1024.5
17.5°	1990.7	2265.5	2419.6	2403.0	2317.6	2169.7	1907.4	1509.7	1366.0	1301.4
20°	2519.6	2684.1	2719.5	2709.1	2671.6	2586.2	2405.0	1978.2	1784.5	1684.6
22.5°	2977.7	2933.9	2881.9	2840.2	2829.8	2854.8	2829.8	2500.8	2348.8	2171.8
25°	3287.9	3040.1	2884.0	2809.0	2844.4	2988.1	3144.2	3021.4	2900.6	2717.4
27.5°	3456.6	3027.6	2802.8	2725.7	2786.1	2990.2	3329.6	3537.8	3412.9	3325.4
30°	3548.2	3017.2	2750.7	2675.7	2767.4	3023.5	3458.7	4020.9	4025.1	3885.5
32.5°	3679.4	3083.9	2761.1	2692.4	2815.2	3123.4	3621.1	4512.3	4633.1	4558.1
35°	3827.2	3185.9	2809.0	2746.5	2898.5	3256.7	3802.3	5007.9	5259.8	5234.9
37.5°	3966.8	3300.4	2921.4	2861.1	3025.6	3371.2	3977.2	5495.1	5845.0	5932.4
40°	4112.5	3460.8	3267.1	3325.4	3417.0	3552.4	4133.3	5917.9	6488.4	6619.6
42.5°	4456.1	4016.7	4312.4	4422.8	4435.3	4156.2	4474.8	6459.2	7121.4	7277.6
45°	5222.4	5005.8	5853.3	6009.5	5928.3	5082.9	5297.3	7240.1	8006.4	8085.5
47.5°	6190.6	6290.6	7962.7	8502.0	8014.7	6176.1	6294.7	8883.0	9626.4	9597.2
50°	7319.2	7791.9	10357.3	11629.6	10463.5	7596.2	7444.2	10902.8	11804.5	11714.9
52.5°	8654.0	9536.9	13235.0	15042.4	13938.8	9193.3	9130.8	13578.6	14128.3	13843.0
55°	10334.4	11221.4	16545.8	19071.6	17501.6	11142.3	11356.8	16681.2	16787.4	15881.6
57.5°	12841.4	13418.2	20448.0	23692.2	21220.6	13791.0	15346.4	20810.3	19540.2	17824.4
60°	17393.3	16243.9	24219.0	28419.0	25176.9	17516.2	20608.4	23257.0	20456.4	18090.9
62.5°	18977.9	18642.7	26580.4	30418.0	27838.1	20575.0	21976.4	21870.2	19269.5	17083.1
65°	16577.1	18045.1	26157.7	29362.3	27496.6	20071.1	19721.3	20339.8	17932.6	15552.6
67.5°	15313.1	16641.6	24556.4	26449.2	25603.8	18361.6	17578.6	17410.0	15054.9	13160.0
70°	14038.8	15354.8	22234.6	22469.9	22076.4	15575.5	14546.8	13416.2	11252.7	9605.6
72.5°	12506.2	13230.8	19013.3	17897.2	17451.6	12233.4	12016.9	10103.2	8435.3	7021.5
75°	10907.0	10696.7	14823.8	12283.4	12616.6	9518.1	10149.1	7419.2	6180.2	5053.7
77.5°	7933.5	7777.3	9928.3	7460.8	8262.5	6234.4	5601.3	2961.0	2819.4	2432.1
80°	4426.9	5336.9	5361.9	4181.2	5216.1	4064.6	1401.4	97.9	62.5	91.6
82.5°	2057.3	2294.7	2906.9	1938.6	2975.6	2013.6	289.4	0.0	0.0	0.0
85°	666.3	974.5	816.3	285.3	720.5	680.9	47.9	0.0	0.0	0.0
87.5°	39.6	81.2	20.8	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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