

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: P628912

Luminaire Tested: GWS-SA1A-750-U-SLL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628912
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-SA1A-750-U-SLL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2264.2 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 19.7
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

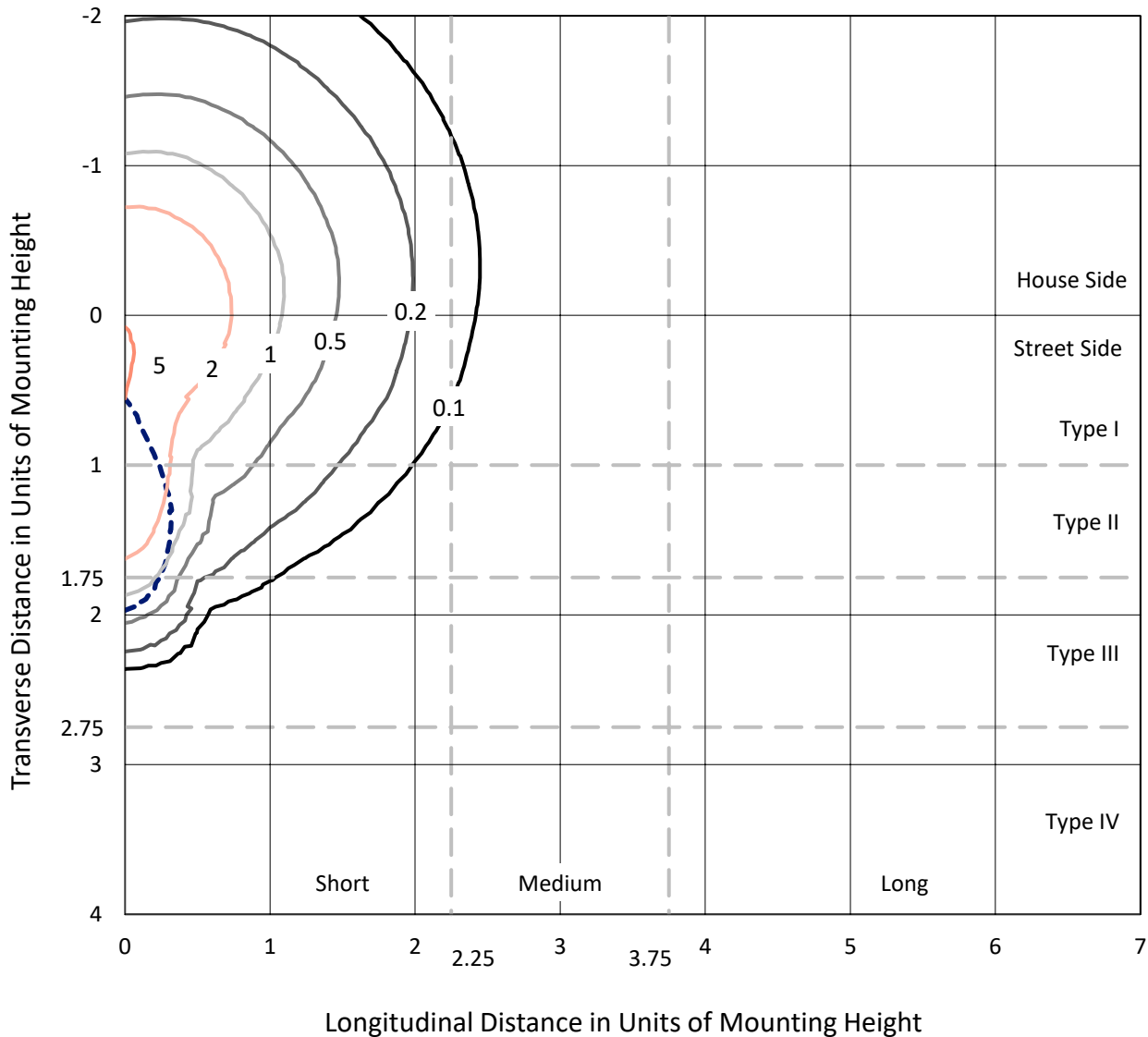


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Iso-Footcandle Lines of Horizontal Illumination

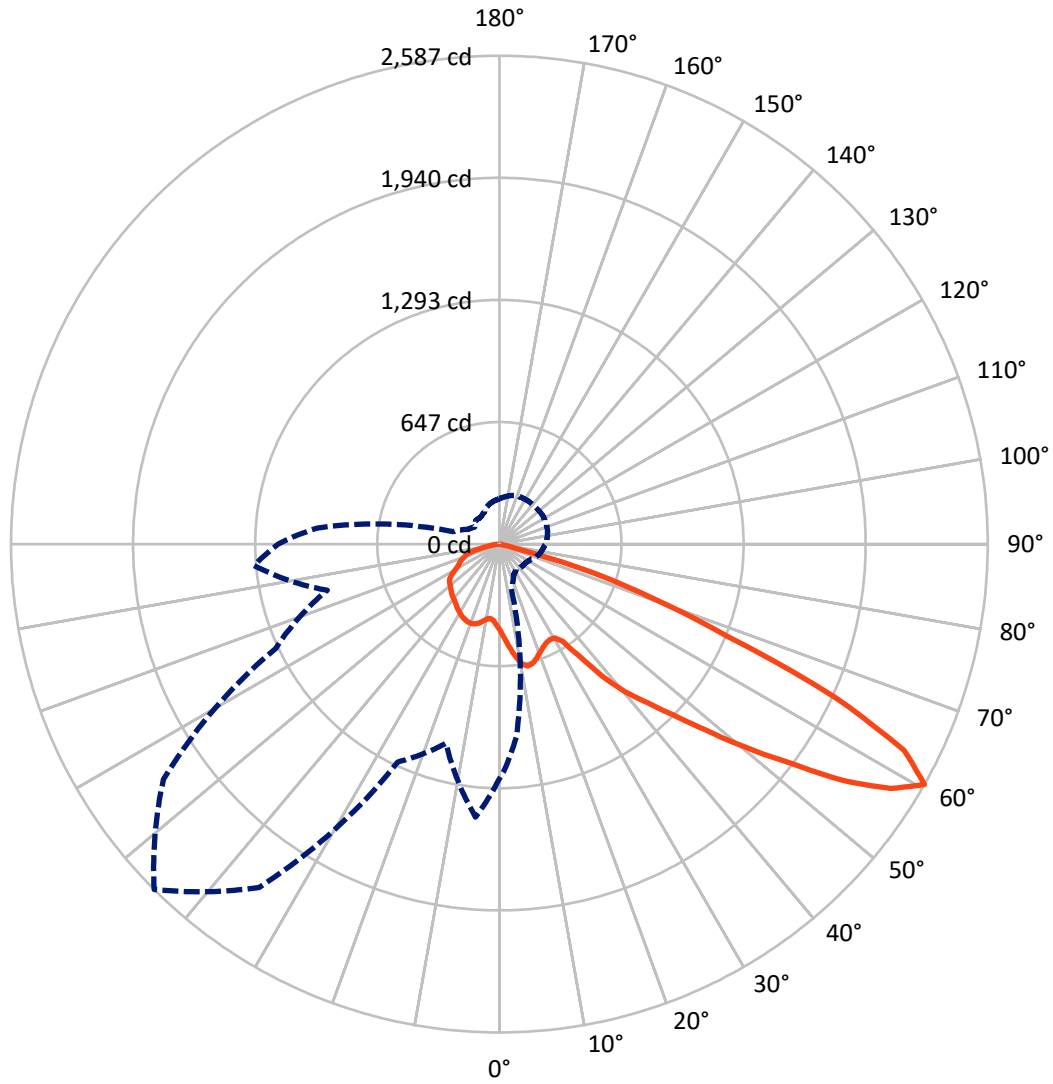
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.5 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	774.6	0.0	774.6
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	1489.6	0.0	1489.6
	% Fixture	65.8	0.0	65.8
Total	Lumens	2264.2	0.0	2264.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.6	2.0
10°-20°	143.1	6.3
20°-30°	233.1	10.3
30°-40°	327.4	14.5
40°-50°	448.0	19.8
50°-60°	574.8	25.4
60°-70°	387.0	17.1
70°-80°	96.8	4.3
80°-90°	9.4	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°	2264.2	100.0
0°-180°	2264.2	100.0

Coefficient of Utilization



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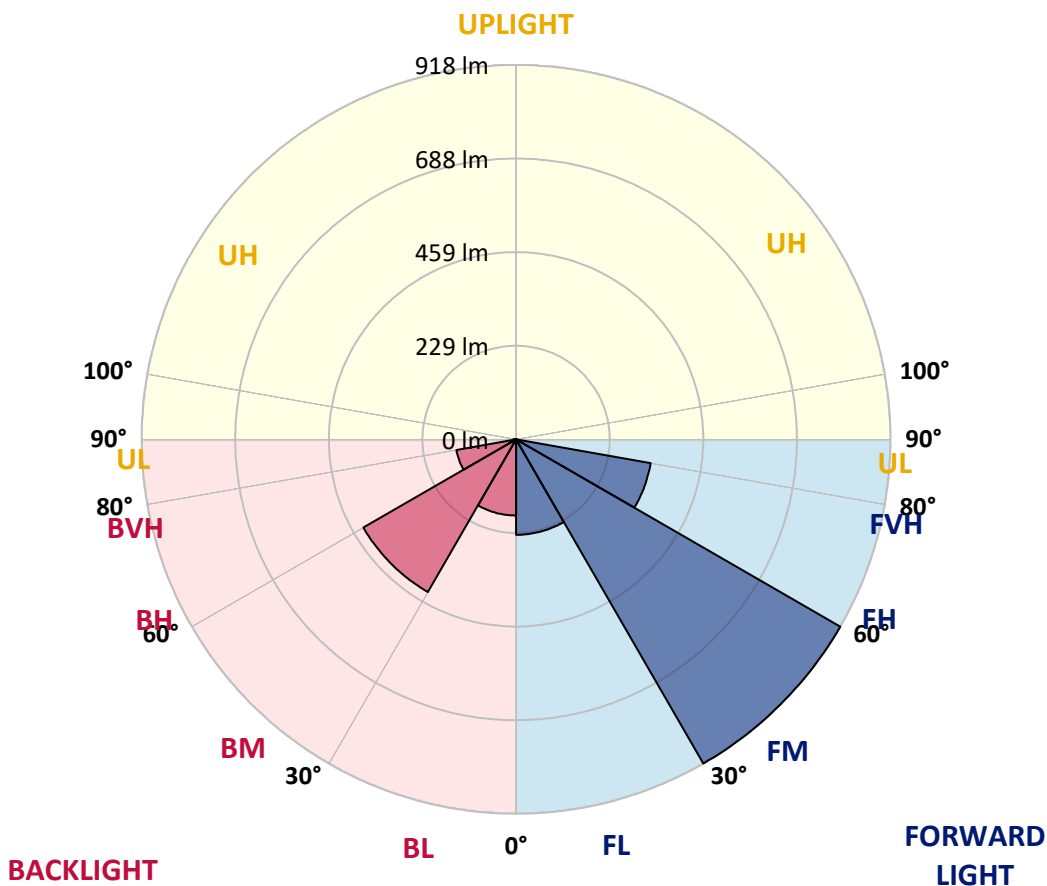
CATALOG NUMBER: GWS-SA1A-750-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	234.1	10.3			
FM (30°-60°)	917.9	40.5			
FH (60°-80°)	335.2	14.8			G0/660
FVH (80°-90°)	2.5	0.1			G0/10
BL (0°-30°)	186.7	8.2	B1/500		
BM (30°-60°)	432.3	19.1	B1/1000		
BH (60°-80°)	148.6	6.6	B1/500		G1/500
BVH (80°-90°)	7.0	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	456.7	456.7	456.7	456.7	456.7	456.7	456.7	456.7	456.7	456.7	456.7
2.5°	483.1	482.1	481.1	472.9	470.8	465.0	460.8	455.6	448.1	443.9	440.4
5°	513.4	511.7	506.1	489.4	478.6	466.7	456.9	446.0	434.6	427.1	421.2
7.5°	542.0	541.5	531.9	504.4	486.9	469.8	456.5	440.6	424.1	412.9	405.4
10°	568.4	565.3	553.8	518.0	495.0	475.4	461.0	443.5	424.3	409.1	399.1
12.5°	591.8	587.8	572.0	530.5	502.1	477.9	462.3	447.9	435.2	422.5	411.0
15°	611.0	606.2	590.1	542.2	508.4	476.5	454.6	443.3	447.7	453.3	440.6
17.5°	628.9	623.9	604.3	550.7	510.3	467.5	435.6	430.8	452.9	478.6	472.7
20°	643.9	638.3	615.6	554.9	506.9	450.4	411.0	419.3	448.5	479.2	488.6
22.5°	660.2	655.6	628.3	560.9	502.7	426.8	390.4	410.8	441.0	467.9	482.1
25°	686.2	680.6	648.1	571.6	500.7	404.7	375.5	402.4	430.6	455.0	466.0
27.5°	724.0	713.6	675.2	590.1	503.0	383.9	366.2	392.2	418.5	439.4	448.3
30°	765.1	752.6	705.2	609.3	506.3	371.2	361.2	380.6	399.9	420.8	430.6
32.5°	813.7	802.6	737.3	623.7	499.2	365.3	357.4	367.8	383.3	399.9	408.1
35°	871.6	851.8	772.4	635.4	476.3	356.8	354.1	353.9	362.0	378.3	387.4
37.5°	934.0	912.7	815.5	647.9	440.6	343.2	346.1	337.4	344.9	357.8	368.3
40°	985.1	962.8	859.1	665.0	396.0	322.0	328.6	319.2	323.8	337.2	348.9
42.5°	1035.1	1011.3	899.8	684.4	352.8	301.1	304.4	300.9	302.4	316.3	332.6
45°	1100.8	1074.1	949.8	698.1	314.0	284.6	281.5	275.5	283.2	301.3	318.6
47.5°	1210.5	1178.6	1031.8	707.1	285.9	275.3	260.9	257.3	266.9	287.1	305.1
50°	1338.7	1311.2	1162.7	706.7	264.8	267.3	240.8	237.7	253.6	274.0	293.0
52.5°	1443.8	1415.9	1274.7	685.8	247.5	250.4	229.2	220.4	242.1	261.1	280.0
55°	1528.7	1497.2	1326.2	598.7	225.6	223.5	216.4	200.4	227.7	248.1	265.9
57.5°	1483.0	1445.5	1263.9	455.2	203.1	190.0	194.6	182.7	208.1	233.8	250.9
60°	1243.4	1209.6	1026.8	242.3	178.7	158.7	168.3	170.2	186.6	216.4	234.0
62.5°	854.1	829.5	695.8	147.0	141.0	127.4	142.4	156.0	168.3	193.5	208.7
65°	417.9	410.6	348.0	94.3	98.6	103.0	118.0	134.5	152.6	174.7	190.8
67.5°	115.1	115.9	105.5	73.6	77.8	89.9	101.8	114.9	133.0	153.5	169.7
70°	50.7	51.5	53.2	56.7	64.6	75.7	88.0	101.6	118.2	135.3	151.0
72.5°	35.2	36.1	38.6	43.2	50.3	60.7	72.4	85.3	102.6	117.0	129.9
75°	21.7	22.3	24.6	28.6	33.4	41.3	52.8	64.6	79.9	93.0	104.5
77.5°	11.5	11.1	12.5	15.2	19.4	23.6	31.3	38.8	49.6	60.3	69.9
80°	6.3	6.0	6.9	8.3	9.6	12.9	18.1	23.1	29.4	35.4	40.7
82.5°	2.7	2.5	2.7	3.5	4.4	6.3	9.2	12.7	16.3	20.4	23.8
85°	0.0	0.0	0.0	0.2	1.0	1.7	3.1	4.6	6.7	9.2	11.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.9
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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CATALOG NUMBER: GWS-SA1A-750-U-SLL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	456.7	456.7	456.7	456.7	456.7	456.7	456.7	456.7	456.7	456.7	456.7
2.5°	438.3	433.1	432.7	428.5	428.9	429.1	425.0	423.3	424.8	426.4	425.6
5°	419.1	413.7	411.4	407.5	407.0	405.2	403.5	401.4	402.9	404.3	405.2
7.5°	402.4	398.9	397.4	396.4	396.8	396.0	392.6	390.8	390.6	391.2	392.0
10°	397.0	394.1	396.0	398.9	401.0	402.4	398.9	395.8	392.9	391.6	391.6
12.5°	408.7	405.0	408.7	411.8	416.0	417.0	413.1	409.7	408.7	410.0	412.5
15°	434.6	425.8	425.6	427.5	430.8	432.5	428.7	427.1	427.1	435.0	441.2
17.5°	460.4	446.0	440.0	438.9	441.0	441.7	438.5	437.1	440.8	456.2	467.9
20°	478.6	461.0	447.9	445.4	446.0	446.2	443.7	442.7	448.1	466.9	476.7
22.5°	476.7	463.8	447.7	444.6	445.6	445.2	442.9	442.5	446.9	463.1	467.7
25°	463.8	453.7	440.2	438.1	439.8	439.6	437.3	436.2	438.1	448.9	449.4
27.5°	448.9	440.2	428.5	427.9	430.6	432.1	428.1	425.0	424.3	431.6	430.0
30°	431.2	424.8	415.4	415.8	420.8	421.6	416.8	412.2	411.0	415.0	412.7
32.5°	410.2	408.1	403.1	404.1	408.9	410.6	405.6	400.8	399.3	400.6	395.8
35°	392.2	391.4	391.8	393.7	397.9	399.1	394.9	391.2	389.1	384.7	378.5
37.5°	373.7	376.0	382.0	385.6	387.9	387.4	385.1	382.4	379.1	371.0	363.2
40°	356.4	362.2	373.0	377.0	377.8	378.1	376.4	374.1	369.9	359.1	350.3
42.5°	343.0	349.5	363.9	369.9	370.3	370.8	369.1	367.2	361.4	347.0	338.4
45°	329.0	337.6	354.5	361.8	361.4	361.2	359.7	358.9	352.0	335.3	325.9
47.5°	317.2	327.2	345.3	351.6	351.4	351.2	350.1	350.1	343.2	325.1	314.5
50°	305.5	317.0	335.9	341.1	341.6	341.1	340.7	341.4	333.2	313.8	303.4
52.5°	292.8	305.7	325.5	330.3	332.8	333.8	333.8	332.4	322.8	302.6	291.1
55°	278.8	291.1	314.0	320.5	322.6	324.5	324.5	321.5	312.6	292.1	279.8
57.5°	261.5	272.3	290.5	296.9	301.9	303.2	303.2	298.4	291.1	271.5	261.5
60°	242.7	252.1	264.4	271.3	275.0	272.5	274.4	273.2	267.3	249.2	240.8
62.5°	217.7	227.3	240.8	247.9	249.6	247.1	249.6	249.4	241.5	225.2	215.2
65°	199.8	209.1	222.5	231.7	234.4	233.8	235.4	232.9	223.1	207.7	198.1
67.5°	178.5	188.5	203.9	214.2	219.8	220.4	222.7	217.5	207.5	190.6	178.5
70°	158.3	166.8	178.7	188.3	196.2	200.2	200.6	193.1	180.6	166.6	157.9
72.5°	137.0	145.8	160.1	170.6	180.6	185.2	185.2	176.0	162.4	147.0	137.6
75°	111.1	119.3	132.4	143.7	155.1	161.0	160.8	152.8	137.8	123.2	113.4
77.5°	75.3	81.3	89.7	98.2	99.9	104.5	106.8	96.8	88.4	80.5	71.7
80°	43.8	47.5	52.1	56.9	58.0	59.4	55.7	51.9	47.5	42.3	38.4
82.5°	25.6	28.2	30.4	34.2	34.8	35.2	31.9	30.2	26.7	23.6	21.1
85°	12.5	13.3	15.4	17.3	16.5	16.1	14.6	12.9	11.5	10.2	9.0
87.5°	2.5	2.5	3.8	3.5	2.9	2.5	1.5	1.9	0.4	0.4	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°	456.7	456.7	456.7	456.7	456.7	456.7	456.7	456.7	456.7	456.7	456.7
2.5°	428.3	431.9	436.2	442.1	448.7	455.8	462.7	467.9	473.1	480.9	479.6
5°	406.4	412.5	419.3	428.3	439.1	451.5	465.2	479.0	493.8	506.3	511.7
7.5°	393.7	400.4	408.5	420.2	434.1	449.2	468.6	490.9	514.8	531.3	541.5
10°	393.7	402.2	412.9	424.1	436.4	451.9	475.8	503.8	534.7	556.3	568.2
12.5°	416.4	425.0	427.3	426.8	433.7	450.8	481.7	517.3	554.3	577.2	591.8
15°	451.9	454.8	437.5	421.6	422.7	443.3	484.4	528.2	571.1	598.7	614.5
17.5°	475.6	467.9	437.1	409.3	403.5	430.6	484.4	538.6	589.1	620.1	635.0
20°	477.5	458.3	426.4	397.4	382.4	413.7	481.1	546.5	606.4	640.8	656.6
22.5°	461.0	442.1	415.2	387.2	365.1	393.3	475.6	552.6	621.2	660.2	679.8
25°	442.3	426.4	403.7	376.8	353.2	372.6	470.6	562.8	641.8	686.5	706.3
27.5°	423.9	410.6	389.9	368.0	346.6	354.7	467.5	577.8	666.4	723.8	740.9
30°	406.0	393.9	375.1	359.7	343.0	343.0	464.8	595.1	699.0	765.7	782.8
32.5°	387.9	376.4	361.2	351.6	340.9	338.4	457.3	611.4	732.5	811.6	829.1
35°	371.0	359.5	347.8	343.9	339.9	334.9	438.7	624.1	765.3	865.2	880.2
37.5°	355.1	344.1	335.3	334.3	334.7	325.3	409.5	634.7	806.1	920.0	927.9
40°	341.4	329.0	322.2	322.0	324.0	309.9	372.6	650.0	852.9	966.5	963.2
42.5°	329.0	316.1	307.8	309.7	308.4	294.4	336.6	663.9	893.5	1010.1	1003.4
45°	317.0	304.4	292.8	295.5	294.0	284.8	305.9	674.2	938.6	1062.4	1063.3
47.5°	305.3	293.0	281.3	278.0	277.8	281.9	282.3	677.5	1012.0	1146.7	1127.7
50°	294.4	282.1	270.0	258.8	263.2	276.1	264.8	675.0	1121.9	1239.7	1186.7
52.5°	283.2	271.5	258.2	237.9	249.4	262.1	249.2	666.0	1189.0	1321.8	1290.1
55°	270.2	259.2	241.1	216.4	230.4	233.1	233.1	579.3	1217.6	1403.2	1422.8
57.5°	252.9	238.3	209.6	189.8	202.3	191.8	216.0	405.4	1170.4	1377.5	1453.6
60°	233.3	217.7	187.3	173.1	176.8	158.5	184.1	254.2	970.0	1172.1	1303.9
62.5°	207.5	193.1	167.9	156.8	149.1	129.3	148.3	160.8	665.0	870.4	960.2
65°	190.2	174.3	151.8	137.2	121.4	104.1	98.4	105.5	357.6	487.1	547.8
67.5°	169.7	154.1	132.8	114.5	101.8	89.2	79.4	76.9	122.6	162.2	175.6
70°	150.3	135.3	117.6	100.5	87.8	75.5	65.9	59.0	56.7	56.3	55.5
72.5°	130.5	116.6	101.8	85.9	71.9	60.7	52.1	44.2	40.9	39.8	38.8
75°	107.0	95.9	81.1	64.0	52.8	42.3	35.7	30.4	27.5	26.5	25.2
77.5°	68.8	63.8	50.9	41.3	31.9	25.2	21.7	18.4	16.5	16.1	15.0
80°	36.7	34.2	28.2	23.8	19.0	15.4	13.6	11.7	10.6	10.2	9.8
82.5°	20.4	18.6	15.6	13.8	11.1	9.4	8.3	7.5	6.9	6.7	6.5
85°	9.2	7.9	6.3	5.8	5.2	4.8	4.6	4.2	4.0	3.8	3.5
87.5°	0.4	0.8	1.0	0.8	0.8	1.3	1.5	1.5	1.3	1.3	1.0
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°	359°	360°
0°	456.7	456.7	456.7	456.7	456.7	456.7	456.7	456.7	456.7	456.7
2.5°	487.3	493.6	494.2	496.3	493.6	492.9	488.6	486.1	483.8	483.1
5°	525.3	537.8	542.8	546.3	543.0	541.3	531.7	521.7	516.1	513.4
7.5°	564.3	583.0	592.8	597.2	597.6	590.1	573.6	554.9	545.5	542.0
10°	599.1	622.2	635.2	643.5	640.6	631.4	608.9	583.4	571.6	568.4
12.5°	624.9	647.0	657.1	662.5	662.3	657.3	636.0	608.5	594.9	591.8
15°	641.6	654.8	655.4	656.6	660.2	666.9	655.8	630.4	615.4	611.0
17.5°	654.8	649.5	639.7	636.4	644.3	662.9	669.6	648.9	632.7	628.9
20°	663.1	636.8	619.5	613.1	622.2	652.5	677.9	665.6	648.7	643.9
22.5°	669.6	624.9	597.0	592.6	602.2	641.2	686.5	685.4	666.9	660.2
25°	679.8	617.0	581.2	578.0	587.0	635.8	697.9	712.3	695.8	686.2
27.5°	695.8	616.2	573.0	572.0	584.3	640.6	714.4	751.7	731.1	724.0
30°	718.2	624.1	574.9	577.0	592.0	657.9	740.0	796.8	776.1	765.1
32.5°	750.3	645.4	603.5	612.4	623.5	685.6	777.6	845.6	829.9	813.7
35°	792.6	703.8	687.9	726.1	715.7	746.3	822.8	904.8	885.8	871.6
37.5°	849.1	823.5	838.1	890.6	865.4	861.0	878.1	958.6	948.2	934.0
40°	928.3	933.6	960.5	1029.5	993.0	964.8	945.9	999.0	1002.6	985.1
42.5°	980.9	1004.9	1069.7	1148.1	1097.9	1030.5	1002.6	1050.7	1051.0	1035.1
45°	1000.5	1063.3	1198.8	1289.1	1205.1	1068.1	1033.9	1121.0	1118.9	1100.8
47.5°	993.4	1112.5	1332.9	1470.9	1342.7	1094.7	1029.5	1221.1	1238.0	1210.5
50°	978.6	1161.9	1489.5	1693.6	1511.6	1123.1	1022.8	1332.0	1360.0	1338.7
52.5°	993.6	1216.9	1674.6	1923.8	1723.4	1168.4	1067.8	1474.5	1469.5	1443.8
55°	1041.2	1282.0	1899.6	2213.1	1956.2	1244.9	1183.6	1610.2	1559.3	1528.7
57.5°	1038.9	1328.5	2096.9	2441.8	2158.6	1307.6	1223.8	1624.6	1521.8	1483.0
60°	942.9	1307.2	2172.0	2586.5	2219.7	1273.0	1091.4	1451.1	1284.1	1243.4
62.5°	703.8	1160.0	2026.4	2405.3	2046.9	1099.5	820.7	1041.6	922.7	854.1
65°	450.2	907.5	1703.6	1948.6	1687.2	841.0	488.8	558.4	437.5	417.9
67.5°	191.6	640.6	1324.3	1302.4	1262.2	544.9	188.7	157.2	117.2	115.1
70°	63.4	435.8	816.4	868.7	753.8	375.3	62.3	52.8	52.5	50.7
72.5°	41.5	234.0	459.6	511.7	485.0	216.0	37.7	35.2	36.1	35.2
75°	24.8	50.9	77.4	100.5	77.4	36.3	22.7	22.3	22.7	21.7
77.5°	14.6	14.2	13.8	13.8	13.6	12.5	11.5	11.1	11.3	11.5
80°	9.4	9.0	8.5	8.3	7.3	6.9	6.5	6.0	6.0	6.3
82.5°	6.0	5.6	5.2	4.6	3.8	3.1	2.9	2.5	2.5	2.7
85°	3.1	2.5	1.9	1.5	0.8	0.4	0.0	0.0	0.0	0.0
87.5°	0.6	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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