

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: P629297

Luminaire Tested: GWS-SA1B-735-U-SLL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629297
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-SA1B-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2751.5 lumens
Efficiency: N/A
Efficacy: 110.1 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

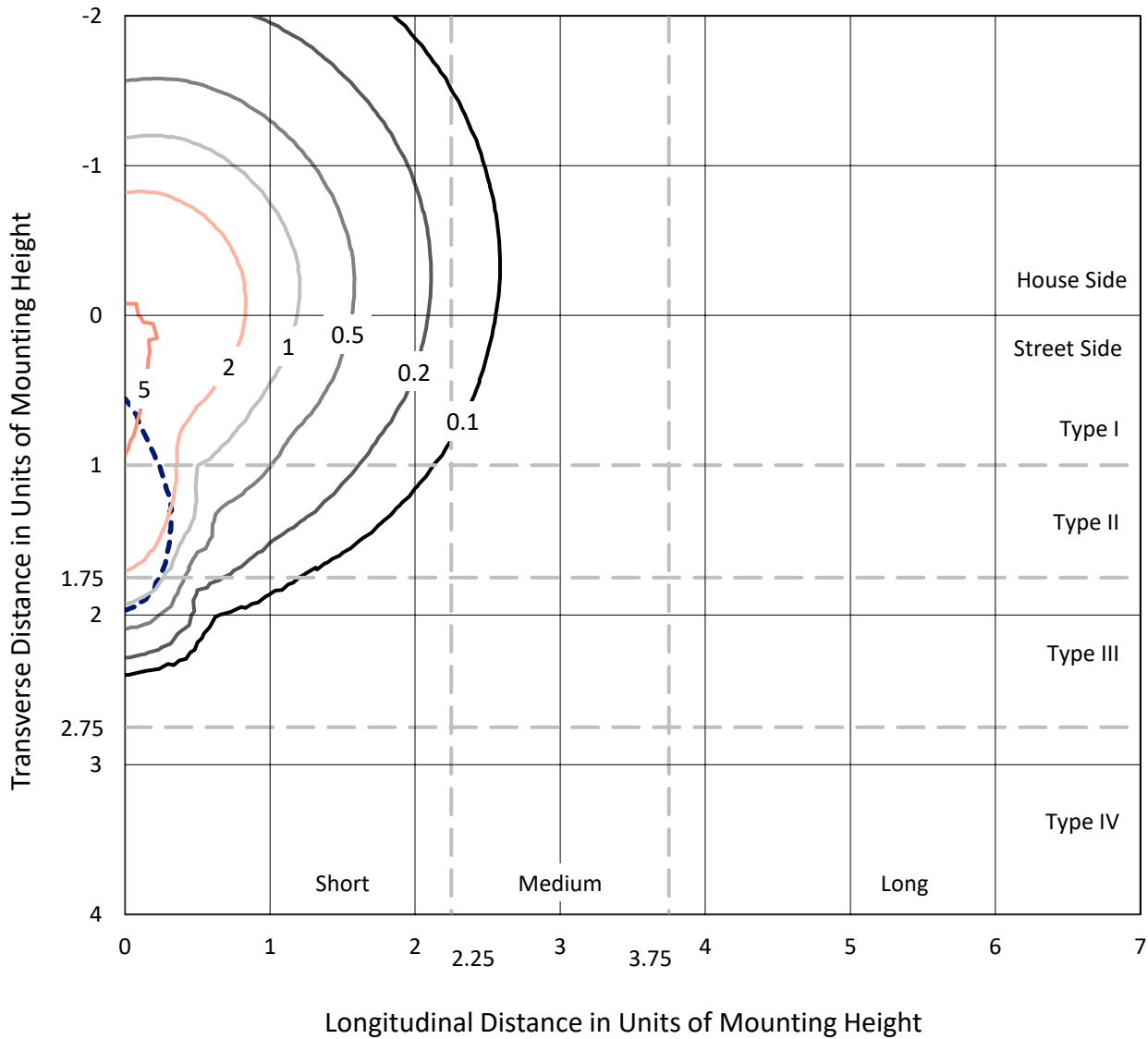
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

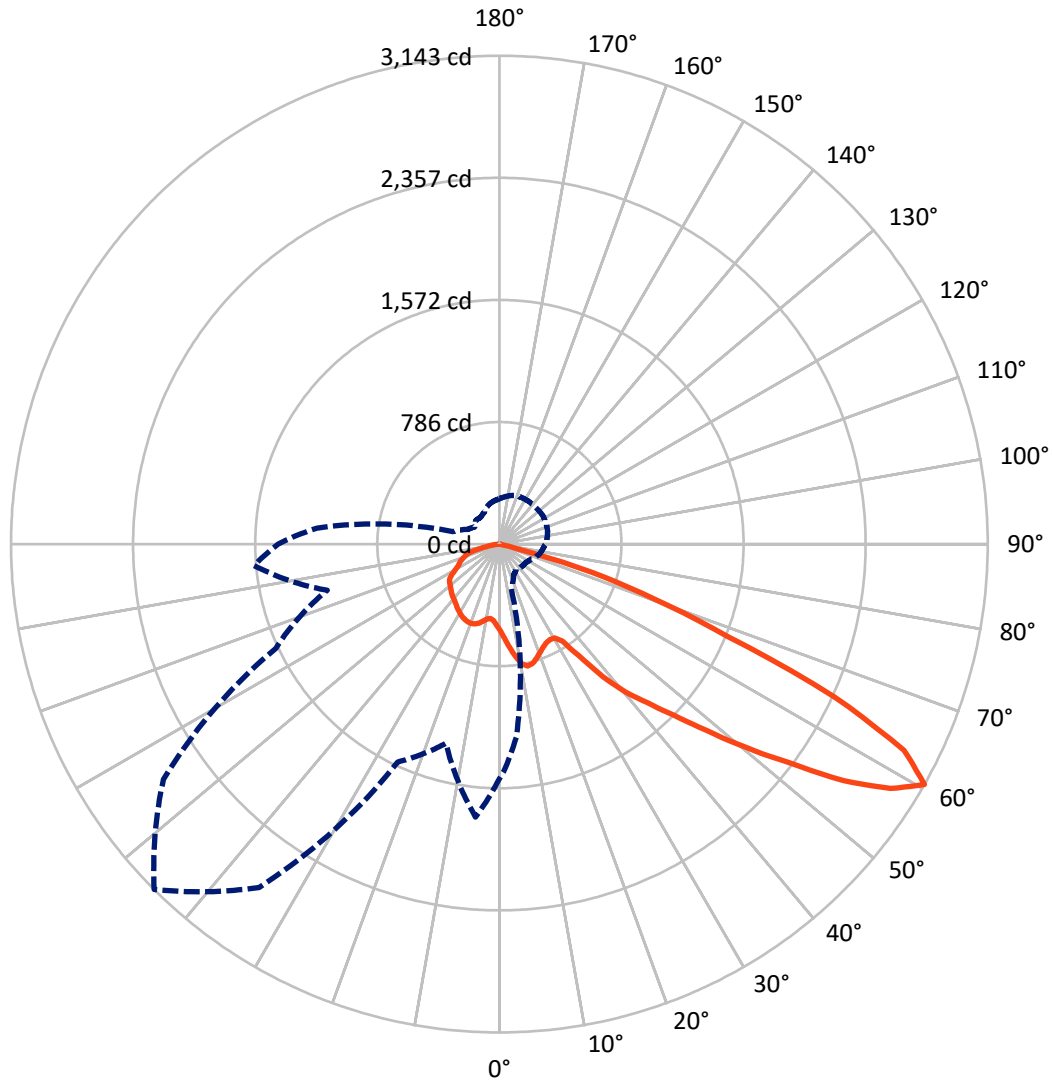
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 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 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	941.3	0.0	941.3
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	1810.2	0.0	1810.2
	% Fixture	65.8	0.0	65.8
Total	Lumens	2751.5	0.0	2751.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.2	2.0
10°-20°	173.9	6.3
20°-30°	283.2	10.3
30°-40°	397.9	14.5
40°-50°	544.4	19.8
50°-60°	698.5	25.4
60°-70°	470.3	17.1
70°-80°	117.6	4.3
80°-90°	11.5	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°	2751.5	100.0
0°-180°	2751.5	100.0

Coefficient of Utilization



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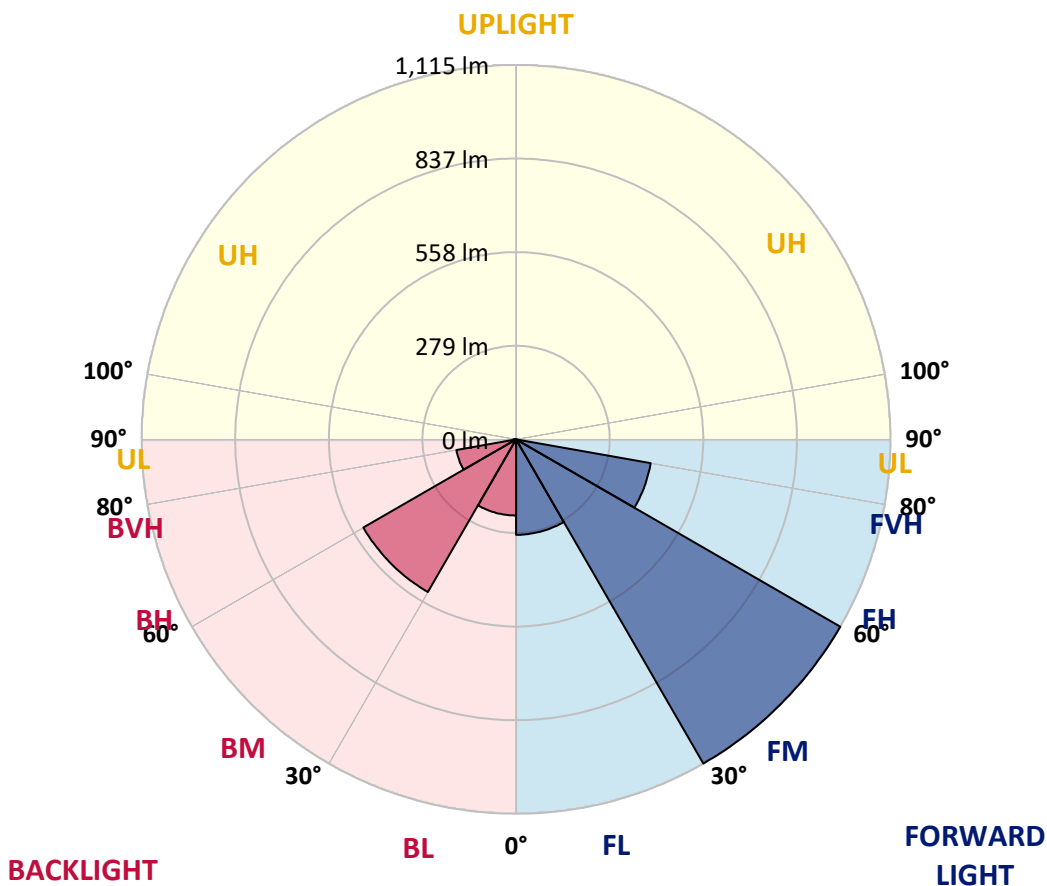
CATALOG NUMBER: GWS-SA1B-735-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	284.4	10.3			
FM (30°-60°)	1115.5	40.5			
FH (60°-80°)	407.3	14.8			G0/660
FVH (80°-90°)	3.0	0.1			G0/10
BL (0°-30°)	226.9	8.2	B1/500		
BM (30°-60°)	525.3	19.1	B1/1000		
BH (60°-80°)	180.6	6.6	B1/500		G1/500
BVH (80°-90°)	8.5	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°	554.9	554.9	554.9	554.9	554.9	554.9	554.9	554.9	554.9	554.9	554.9
2.5°	587.1	585.9	584.6	574.7	572.2	565.1	560.0	553.7	544.6	539.5	535.2
5°	623.9	621.8	615.0	594.7	581.6	567.1	555.2	542.0	528.1	519.0	511.9
7.5°	658.6	658.1	646.4	613.0	591.7	570.9	554.7	535.4	515.4	501.7	492.6
10°	690.8	687.0	673.0	629.4	601.6	577.8	560.3	539.0	515.7	497.2	485.0
12.5°	719.2	714.3	695.1	644.7	610.2	580.8	561.8	544.3	528.8	513.4	499.5
15°	742.5	736.6	717.1	658.8	617.8	579.0	552.4	538.7	544.1	550.9	535.4
17.5°	764.3	758.2	734.4	669.2	620.1	568.1	529.4	523.5	550.4	581.6	574.5
20°	782.5	775.7	748.0	674.3	616.0	547.3	499.5	509.6	545.1	582.3	593.7
22.5°	802.3	796.7	763.5	681.6	610.9	518.7	474.4	499.2	535.9	568.6	585.9
25°	833.9	827.1	787.6	694.6	608.4	491.9	456.4	489.1	523.3	552.9	566.4
27.5°	879.8	867.1	820.5	717.1	611.2	466.5	445.0	476.6	508.6	533.9	544.8
30°	929.7	914.5	857.0	740.4	615.3	451.1	438.9	462.5	486.0	511.4	523.3
32.5°	988.8	975.3	896.0	757.9	606.6	444.0	434.3	447.0	465.8	486.0	495.9
35°	1059.2	1035.1	938.6	772.1	578.8	433.6	430.3	430.0	439.9	459.7	470.8
37.5°	1135.0	1109.1	991.1	787.3	535.4	417.1	420.6	410.0	419.1	434.8	447.5
40°	1197.1	1170.0	1044.0	808.1	481.2	391.3	399.4	388.0	393.5	409.7	423.9
42.5°	1257.9	1229.0	1093.4	831.7	428.8	365.9	370.0	365.7	367.4	384.4	404.2
45°	1337.7	1305.3	1154.2	848.4	381.6	345.9	342.1	334.7	344.1	366.2	387.2
47.5°	1471.0	1432.2	1253.8	859.3	347.4	334.5	317.0	312.7	324.4	348.9	370.7
50°	1626.8	1593.4	1413.0	858.8	321.8	324.9	292.7	288.9	308.1	333.0	356.0
52.5°	1754.5	1720.6	1549.0	833.4	300.8	304.3	278.5	267.8	294.2	317.3	340.3
55°	1857.7	1819.4	1611.6	727.5	274.2	271.6	263.0	243.5	276.7	301.5	323.1
57.5°	1802.2	1756.6	1535.9	553.2	246.8	230.8	236.4	222.0	252.9	284.1	304.8
60°	1511.0	1470.0	1247.7	294.5	217.2	192.8	204.5	206.8	226.8	263.0	284.3
62.5°	1037.9	1008.0	845.6	178.6	171.3	154.8	173.1	189.5	204.5	235.2	253.7
65°	507.8	498.9	422.9	114.5	119.9	125.2	143.4	163.4	185.5	212.4	231.9
67.5°	139.9	140.9	128.2	89.5	94.5	109.2	123.7	139.6	161.7	186.5	206.3
70°	61.6	62.6	64.6	68.9	78.6	92.0	106.9	123.4	143.7	164.5	183.5
72.5°	42.8	43.8	46.9	52.5	61.1	73.7	87.9	103.6	124.7	142.2	157.9
75°	26.4	27.1	29.9	34.7	40.5	50.2	64.1	78.6	97.1	113.0	127.0
77.5°	13.9	13.4	15.2	18.5	23.6	28.6	38.0	47.1	60.3	73.2	84.9
80°	7.6	7.3	8.4	10.1	11.7	15.7	22.0	28.1	35.7	43.1	49.4
82.5°	3.3	3.0	3.3	4.3	5.3	7.6	11.1	15.5	19.8	24.8	28.9
85°	0.0	0.0	0.0	0.3	1.3	2.0	3.8	5.6	8.1	11.1	13.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.3
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°	554.9	554.9	554.9	554.9	554.9	554.9	554.9	554.9	554.9	554.9	554.9
2.5°	532.6	526.3	525.8	520.7	521.2	521.5	516.4	514.4	516.2	518.2	517.2
5°	509.3	502.7	500.0	495.1	494.6	492.4	490.3	487.8	489.6	491.3	492.4
7.5°	489.1	484.8	483.0	481.7	482.2	481.2	477.2	474.9	474.6	475.4	476.4
10°	482.5	478.9	481.2	484.8	487.3	489.1	484.8	481.0	477.4	475.9	475.9
12.5°	496.7	492.1	496.7	500.5	505.5	506.8	502.0	497.9	496.7	498.2	501.2
15°	528.1	517.4	517.2	519.5	523.5	525.6	521.0	519.0	519.0	528.6	536.2
17.5°	559.5	542.0	534.7	533.4	535.9	536.7	532.9	531.1	535.7	554.4	568.6
20°	581.6	560.3	544.3	541.3	542.0	542.3	539.2	538.0	544.6	567.4	579.3
22.5°	579.3	563.6	544.1	540.3	541.5	541.0	538.2	537.7	543.0	562.8	568.4
25°	563.6	551.4	534.9	532.4	534.4	534.2	531.4	530.1	532.4	545.6	546.1
27.5°	545.6	534.9	520.7	520.0	523.3	525.0	520.2	516.4	515.7	524.5	522.5
30°	524.0	516.2	504.8	505.3	511.4	512.4	506.5	501.0	499.5	504.3	501.5
32.5°	498.4	495.9	489.8	491.1	496.9	498.9	492.9	487.0	485.3	486.8	481.0
35°	476.6	475.6	476.1	478.4	483.5	485.0	479.9	475.4	472.8	467.5	459.9
37.5°	454.1	456.9	464.2	468.5	471.3	470.8	468.0	464.7	460.7	450.8	441.4
40°	433.1	440.2	453.3	458.1	459.2	459.4	457.4	454.6	449.5	436.4	425.7
42.5°	416.8	424.7	442.2	449.5	450.0	450.5	448.5	446.2	439.1	421.7	411.3
45°	399.9	410.3	430.8	439.7	439.1	438.9	437.1	436.1	427.7	407.5	396.1
47.5°	385.4	397.6	419.6	427.2	427.0	426.7	425.5	425.5	417.1	395.1	382.1
50°	371.2	385.2	408.2	414.6	415.1	414.6	414.1	414.8	404.9	381.4	368.7
52.5°	355.8	371.5	395.6	401.4	404.4	405.7	405.7	403.9	392.3	367.7	353.7
55°	338.8	353.7	381.6	389.5	392.0	394.3	394.3	390.7	379.8	355.0	340.1
57.5°	317.8	330.9	353.0	360.8	366.9	368.4	368.4	362.6	353.7	329.9	317.8
60°	295.0	306.4	321.3	329.7	334.2	331.2	333.5	332.0	324.9	302.8	292.7
62.5°	264.6	276.2	292.7	301.3	303.3	300.3	303.3	303.1	293.4	273.7	261.5
65°	242.8	254.2	270.4	281.5	284.8	284.1	286.1	283.0	271.1	252.4	240.7
67.5°	216.9	229.1	247.8	260.2	267.1	267.8	270.6	264.3	252.1	231.6	216.9
70°	192.3	202.7	217.2	228.8	238.5	243.3	243.8	234.6	219.4	202.5	191.8
72.5°	166.5	177.1	194.6	207.3	219.4	225.0	225.0	213.9	197.4	178.6	167.2
75°	135.1	144.9	160.9	174.6	188.5	195.6	195.4	185.7	167.5	149.8	137.9
77.5°	91.5	98.8	109.0	119.4	121.4	127.0	129.7	117.6	107.4	97.8	87.2
80°	53.2	57.8	63.4	69.2	70.4	72.2	67.7	63.1	57.8	51.4	46.6
82.5°	31.2	34.2	37.0	41.6	42.3	42.8	38.8	36.7	32.4	28.6	25.6
85°	15.2	16.2	18.8	21.0	20.0	19.5	17.7	15.7	13.9	12.4	10.9
87.5°	3.0	3.0	4.6	4.3	3.5	3.0	1.8	2.3	0.5	0.5	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°	554.9	554.9	554.9	554.9	554.9	554.9	554.9	554.9	554.9	554.9	554.9
2.5°	520.5	524.8	530.1	537.2	545.3	553.9	562.3	568.6	575.0	584.3	582.8
5°	493.9	501.2	509.6	520.5	533.7	548.6	565.3	582.1	600.1	615.3	621.8
7.5°	478.4	486.5	496.4	510.6	527.6	545.8	569.4	596.5	625.6	645.7	658.1
10°	478.4	488.8	501.7	515.4	530.4	549.1	578.3	612.2	649.7	676.1	690.5
12.5°	506.0	516.4	519.2	518.7	527.1	547.9	585.4	628.7	673.5	701.4	719.2
15°	549.1	552.7	531.6	512.4	513.6	538.7	588.7	641.9	694.1	727.5	746.8
17.5°	578.0	568.6	531.1	497.4	490.3	523.3	588.7	654.5	715.9	753.6	771.6
20°	580.3	557.0	518.2	483.0	464.7	502.7	584.6	664.2	736.9	778.7	798.0
22.5°	560.3	537.2	504.5	470.6	443.7	477.9	578.0	671.5	754.9	802.3	826.1
25°	537.5	518.2	490.6	457.9	429.3	452.8	571.9	683.9	780.0	834.2	858.3
27.5°	515.2	498.9	473.9	447.3	421.2	431.0	568.1	702.2	809.9	879.6	900.3
30°	493.4	478.7	455.9	437.1	416.8	416.8	564.8	723.2	849.4	930.5	951.3
32.5°	471.3	457.4	438.9	427.2	414.3	411.3	555.7	743.0	890.2	986.2	1007.5
35°	450.8	436.9	422.7	417.9	413.0	407.0	533.2	758.4	930.0	1051.4	1069.6
37.5°	431.5	418.1	407.5	406.2	406.7	395.3	497.7	771.4	979.6	1118.0	1127.6
40°	414.8	399.9	391.5	391.3	393.8	376.6	452.8	789.9	1036.4	1174.5	1170.5
42.5°	399.9	384.2	374.0	376.3	374.8	357.8	409.0	806.8	1085.8	1227.5	1219.4
45°	385.2	370.0	355.8	359.1	357.3	346.1	371.7	819.2	1140.6	1291.1	1292.1
47.5°	371.0	356.0	341.8	337.8	337.5	342.6	343.1	823.3	1229.8	1393.5	1370.4
50°	357.8	342.9	328.2	314.5	319.8	335.5	321.8	820.3	1363.3	1506.5	1442.1
52.5°	344.1	329.9	313.7	289.1	303.1	318.5	302.8	809.4	1444.9	1606.3	1567.8
55°	328.4	315.0	292.9	263.0	280.0	283.3	283.3	703.9	1479.6	1705.1	1729.0
57.5°	307.4	289.6	254.7	230.6	245.8	233.1	262.5	492.6	1422.3	1674.0	1766.5
60°	283.6	264.6	227.6	210.3	214.9	192.6	223.8	308.9	1178.8	1424.4	1584.5
62.5°	252.1	234.6	204.0	190.6	181.2	157.1	180.2	195.4	808.1	1057.7	1166.9
65°	231.1	211.8	184.5	166.7	147.5	126.4	119.6	128.2	434.6	591.9	665.7
67.5°	206.3	187.3	161.4	139.1	123.7	108.5	96.5	93.5	149.0	197.1	213.4
70°	182.7	164.5	142.9	122.1	106.7	91.7	80.1	71.7	68.9	68.4	67.4
72.5°	158.6	141.7	123.7	104.4	87.4	73.7	63.4	53.7	49.7	48.4	47.1
75°	130.0	116.6	98.6	77.8	64.1	51.4	43.3	37.0	33.4	32.2	30.7
77.5°	83.6	77.5	61.8	50.2	38.8	30.7	26.4	22.3	20.0	19.5	18.2
80°	44.6	41.6	34.2	28.9	23.1	18.8	16.5	14.2	12.9	12.4	11.9
82.5°	24.8	22.6	19.0	16.7	13.4	11.4	10.1	9.1	8.4	8.1	7.9
85°	11.1	9.6	7.6	7.1	6.3	5.8	5.6	5.1	4.8	4.6	4.3
87.5°	0.5	1.0	1.3	1.0	1.0	1.5	1.8	1.8	1.5	1.5	1.3
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°	554.9	554.9	554.9	554.9	554.9	554.9	554.9	554.9	554.9	554.9
2.5°	592.2	599.8	600.6	603.1	599.8	599.0	593.7	590.7	587.9	587.1
5°	638.3	653.5	659.6	663.9	659.9	657.8	646.2	634.0	627.2	623.9
7.5°	685.7	708.5	720.4	725.7	726.2	717.1	697.1	674.3	662.9	658.6
10°	728.0	756.1	771.9	782.0	778.4	767.3	739.9	709.0	694.6	690.8
12.5°	759.4	786.3	798.5	805.1	804.8	798.7	772.9	739.4	723.0	719.2
15°	779.7	795.7	796.4	798.0	802.3	810.4	796.9	766.0	747.8	742.5
17.5°	795.7	789.3	777.4	773.4	783.0	805.6	813.7	788.6	768.8	764.3
20°	805.8	773.9	752.9	745.0	756.1	792.9	823.8	808.9	788.3	782.5
22.5°	813.7	759.4	725.5	720.2	731.8	779.2	834.2	832.9	810.4	802.3
25°	826.1	749.8	706.2	702.4	713.3	772.6	848.1	865.6	845.6	833.9
27.5°	845.6	748.8	696.3	695.1	710.0	778.4	868.2	913.5	888.4	879.8
30°	872.7	758.4	698.6	701.2	719.4	799.5	899.3	968.2	943.2	929.7
32.5°	911.7	784.3	733.3	744.2	757.7	833.2	944.9	1027.5	1008.5	988.8
35°	963.2	855.2	836.0	882.3	869.7	906.9	999.9	1099.5	1076.4	1059.2
37.5°	1031.8	1000.7	1018.4	1082.3	1051.6	1046.3	1067.1	1164.9	1152.2	1135.0
40°	1128.1	1134.5	1167.2	1251.0	1206.7	1172.5	1149.4	1214.0	1218.4	1197.1
42.5°	1192.0	1221.1	1299.9	1395.2	1334.2	1252.3	1218.4	1276.9	1277.1	1257.9
45°	1215.8	1292.1	1456.8	1566.5	1464.4	1297.9	1256.4	1362.3	1359.8	1337.7
47.5°	1207.2	1351.9	1619.7	1787.5	1631.6	1330.4	1251.0	1483.9	1504.4	1471.0
50°	1189.2	1412.0	1810.0	2058.1	1836.9	1364.8	1242.9	1618.7	1652.7	1626.8
52.5°	1207.5	1478.8	2035.1	2337.9	2094.4	1419.8	1297.7	1791.8	1785.7	1754.5
55°	1265.2	1557.9	2308.5	2689.3	2377.2	1512.8	1438.3	1956.8	1894.9	1857.7
57.5°	1262.4	1614.4	2548.2	2967.3	2623.2	1589.1	1487.2	1974.2	1849.3	1802.2
60°	1145.9	1588.6	2639.4	3143.2	2697.5	1547.0	1326.3	1763.4	1560.4	1511.0
62.5°	855.2	1409.7	2462.6	2923.0	2487.4	1336.2	997.4	1265.7	1121.3	1037.9
65°	547.1	1102.8	2070.3	2368.0	2050.3	1022.0	594.0	678.6	531.6	507.8
67.5°	232.9	778.4	1609.4	1582.7	1533.8	662.1	229.3	191.1	142.4	139.9
70°	77.0	529.6	992.1	1055.7	916.0	456.1	75.8	64.1	63.9	61.6
72.5°	50.4	284.3	558.5	621.8	589.4	262.5	45.9	42.8	43.8	42.8
75°	30.2	61.8	94.0	122.1	94.0	44.1	27.6	27.1	27.6	26.4
77.5°	17.7	17.2	16.7	16.7	16.5	15.2	13.9	13.4	13.7	13.9
80°	11.4	10.9	10.4	10.1	8.9	8.4	7.9	7.3	7.3	7.6
82.5°	7.3	6.8	6.3	5.6	4.6	3.8	3.5	3.0	3.0	3.3
85°	3.8	3.0	2.3	1.8	1.0	0.5	0.0	0.0	0.0	0.0
87.5°	0.8	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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