

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: P629461

Luminaire Tested: GWS-SA1B-760-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629461
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-760-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1938.9 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

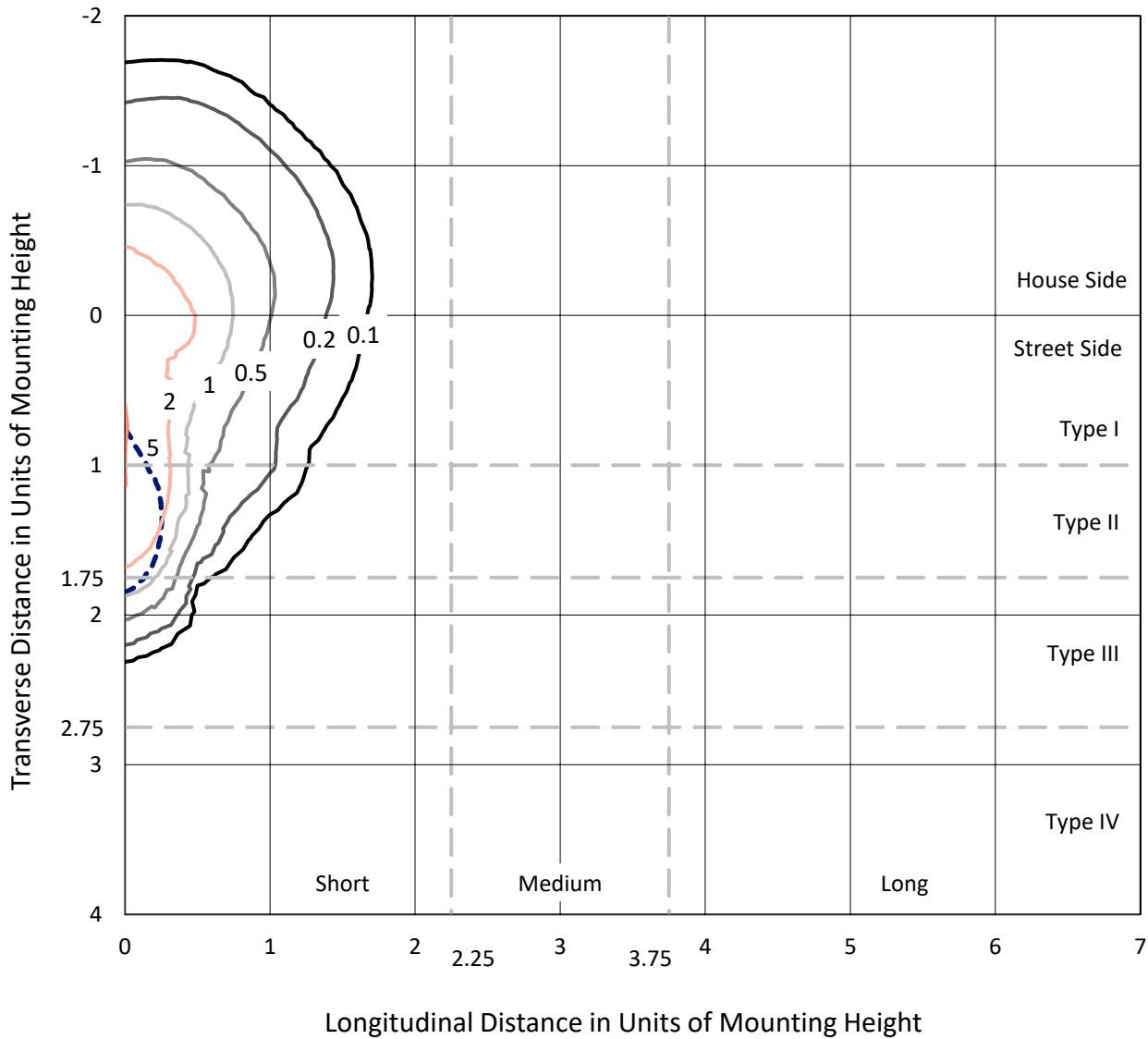
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

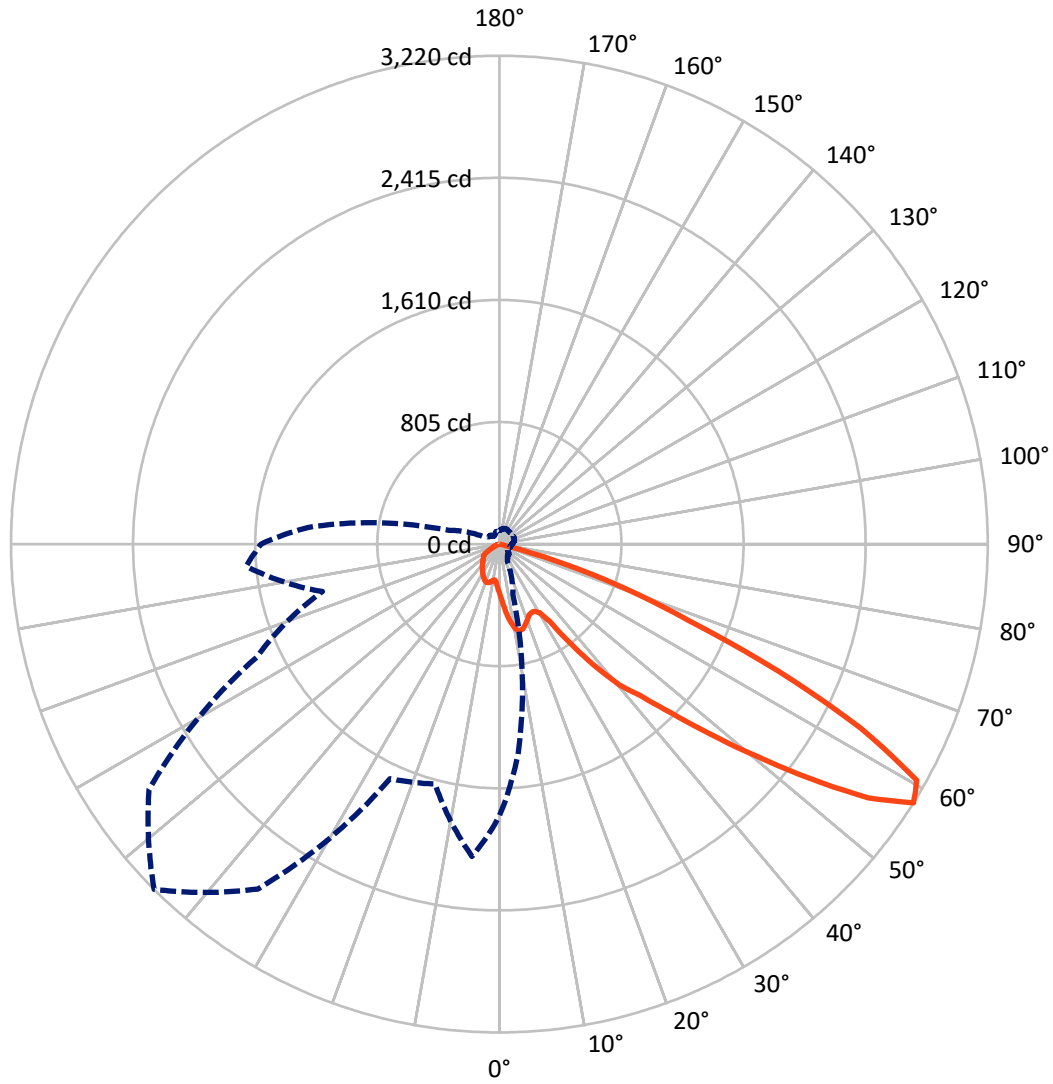
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	417.7	0.0	417.7
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	1521.2	0.0	1521.2
	% Fixture	78.5	0.0	78.5
Total	Lumens	1938.9	0.0	1938.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.6	1.7
10°-20°	107.1	5.5
20°-30°	173.9	9.0
30°-40°	266.9	13.8
40°-50°	426.2	22.0
50°-60°	596.8	30.8
60°-70°	306.0	15.8
70°-80°	29.5	1.5
80°-90°	0.0	0.0
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°	1938.9	100.0
0°-180°	1938.9	100.0

Coefficient of Utilization



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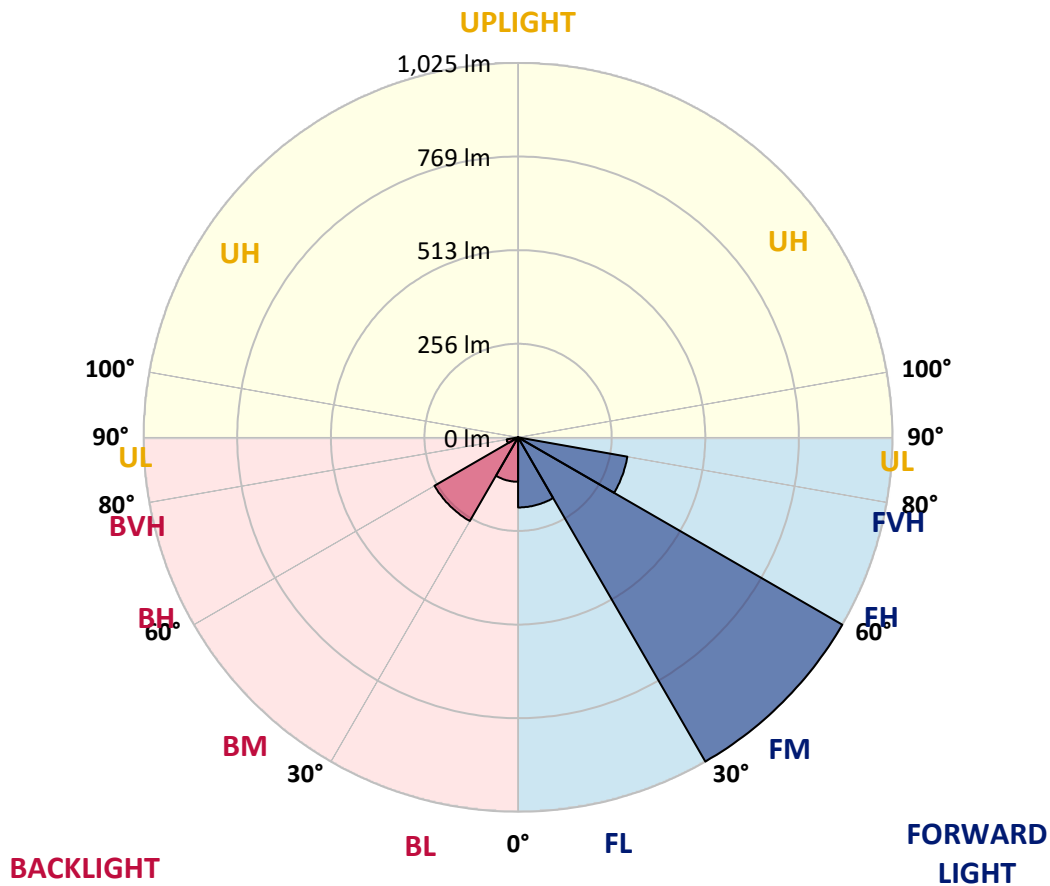
CATALOG NUMBER: GWS-SA1B-760-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	192.0	9.9			
FM (30°-60°)	1025.3	52.9			
FH (60°-80°)	303.9	15.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	121.6	6.3	B1/500		
BM (30°-60°)	264.5	13.6	B1/1000		
BH (60°-80°)	31.6	1.6	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	329.4	329.4	329.4	329.4	329.4	329.4	329.4	329.4	329.4	329.4	329.4
2.5°	366.0	365.2	362.6	353.8	348.4	339.8	333.6	325.6	316.7	311.3	305.9
5°	404.9	402.8	395.8	375.6	360.0	343.2	329.7	314.9	299.1	288.8	279.2
7.5°	442.2	439.1	429.8	395.5	372.0	347.9	328.7	307.2	284.9	269.3	257.4
10°	478.7	471.8	457.0	415.0	383.1	354.1	331.5	306.9	280.7	261.0	247.8
12.5°	508.8	503.6	483.4	433.4	392.4	355.4	327.6	304.8	287.2	274.0	261.8
15°	534.7	529.0	509.9	450.0	400.5	350.2	311.3	291.3	294.2	299.4	289.0
17.5°	558.6	552.6	531.9	463.7	403.6	337.5	288.5	278.9	294.7	314.2	310.3
20°	583.2	576.5	551.1	474.9	402.5	317.5	265.4	268.3	290.6	312.9	314.9
22.5°	612.0	605.0	575.4	489.1	401.8	293.7	245.5	258.9	282.8	301.7	305.3
25°	650.1	641.8	609.4	510.1	403.8	271.9	231.2	249.9	269.6	286.7	288.8
27.5°	700.4	689.7	648.5	536.0	408.2	254.8	225.0	237.4	252.7	268.0	269.8
30°	765.9	752.5	693.4	558.6	406.2	242.9	220.8	225.0	234.1	246.5	246.8
32.5°	842.7	824.3	743.7	578.0	388.3	234.1	215.1	212.3	214.4	224.0	225.8
35°	932.9	909.0	799.1	596.4	355.6	217.0	204.8	195.2	194.4	199.1	203.5
37.5°	1036.3	1007.8	869.1	620.0	317.0	199.1	189.5	179.9	175.7	178.1	184.8
40°	1131.7	1100.1	942.2	648.5	277.6	183.0	171.6	161.7	156.8	157.6	165.9
42.5°	1243.7	1211.0	1031.6	685.9	244.9	172.1	152.9	142.8	136.3	140.0	149.6
45°	1413.7	1376.6	1162.0	718.3	219.0	169.5	136.6	122.3	119.2	125.5	136.9
47.5°	1645.9	1600.6	1341.1	738.0	197.0	171.9	125.2	105.8	106.5	113.5	124.9
50°	1876.4	1827.4	1548.2	712.0	178.9	167.2	119.5	92.8	97.7	103.9	114.3
52.5°	2034.7	1971.0	1649.1	637.1	162.3	149.6	119.0	80.6	89.9	92.0	100.8
55°	2041.0	1962.4	1597.5	502.3	139.7	126.2	113.5	70.5	81.4	82.2	89.7
57.5°	1789.0	1718.0	1396.1	345.0	124.2	92.5	90.5	61.7	66.9	73.4	78.0
60°	1361.1	1300.7	1044.1	158.1	94.4	58.8	61.9	53.1	50.0	59.6	64.3
62.5°	833.6	795.0	626.2	70.0	60.1	31.4	37.6	42.3	37.6	41.2	45.1
65°	331.0	313.9	237.7	29.8	24.6	15.8	17.1	24.6	26.4	29.0	32.7
67.5°	57.5	54.4	39.9	13.2	10.1	9.6	8.3	11.4	16.1	17.9	20.7
70°	7.5	7.3	6.5	5.4	5.2	4.7	3.6	7.3	10.9	11.4	13.2
72.5°	1.8	1.6	1.6	1.3	1.6	0.5	0.5	3.9	7.8	8.0	9.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	4.9	5.4	6.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	329.4	329.4	329.4	329.4	329.4	329.4	329.4	329.4	329.4	329.4	329.4
2.5°	301.5	296.3	294.5	291.9	288.5	289.5	284.9	283.3	285.6	288.8	288.0
5°	274.0	268.3	264.4	258.4	257.4	255.1	253.5	251.4	254.0	257.6	258.4
7.5°	252.2	247.3	243.4	241.6	240.3	239.2	236.1	234.6	234.6	236.1	237.4
10°	242.9	239.2	238.5	239.0	241.1	240.8	237.9	235.9	233.3	232.0	233.5
12.5°	255.8	249.9	248.8	249.1	251.7	251.4	248.3	245.7	245.2	245.7	250.6
15°	277.9	268.8	262.1	260.8	262.1	261.5	259.2	257.6	258.4	265.9	274.2
17.5°	297.6	283.6	271.4	266.7	266.5	265.7	263.4	262.8	266.7	280.7	292.9
20°	303.3	289.5	272.2	266.2	264.9	264.1	261.5	262.3	267.2	284.1	294.5
22.5°	295.8	282.5	264.4	258.4	257.4	257.1	254.5	255.6	259.7	274.5	283.1
25°	281.5	270.3	251.4	246.2	246.2	245.7	243.4	243.9	246.5	259.5	267.8
27.5°	264.1	253.5	237.7	232.5	233.3	234.1	231.2	230.4	232.5	244.7	249.6
30°	244.2	236.7	224.2	219.5	219.3	222.4	218.5	217.5	220.3	229.9	231.0
32.5°	224.7	221.1	212.3	208.7	208.9	209.4	207.4	207.4	210.0	215.1	214.9
35°	205.8	203.5	201.9	199.3	199.1	198.0	198.0	198.5	201.4	203.2	199.8
37.5°	187.7	190.0	191.8	189.2	187.1	187.1	187.1	189.5	192.1	191.3	185.6
40°	171.6	176.5	182.2	179.4	174.4	174.2	175.2	179.1	183.0	178.3	173.1
42.5°	157.9	164.1	172.1	170.6	165.1	164.3	165.1	170.0	173.1	167.2	161.5
45°	144.4	152.2	161.7	161.7	155.8	155.0	155.3	161.7	163.6	156.6	149.3
47.5°	133.0	141.5	151.6	151.6	146.7	145.2	146.5	153.2	154.5	144.6	137.9
50°	122.1	131.4	142.6	141.8	138.4	137.1	139.5	146.7	145.2	134.3	127.3
52.5°	108.3	118.2	133.5	134.3	132.5	132.7	135.6	140.2	135.8	122.6	116.6
55°	95.9	106.0	121.3	125.5	125.5	125.2	126.5	130.1	126.5	110.7	103.4
57.5°	82.4	91.0	103.7	104.7	105.5	102.6	104.5	109.4	107.6	94.1	89.9
60°	67.7	74.9	82.2	82.9	79.6	73.6	77.0	82.7	84.0	73.9	69.2
62.5°	48.0	55.0	63.5	63.5	60.1	54.2	58.6	63.5	61.7	51.3	48.5
65°	35.8	42.3	48.7	51.6	48.7	44.6	48.0	51.6	48.7	40.2	36.0
67.5°	23.1	27.5	31.4	33.7	34.2	33.7	35.3	34.2	30.8	25.1	22.8
70°	14.0	16.3	18.4	20.5	22.0	22.8	23.6	21.3	17.9	14.8	14.0
72.5°	10.1	12.2	14.0	15.6	17.4	17.9	17.9	16.3	13.2	10.4	9.6
75°	7.0	8.8	10.4	11.4	13.0	13.5	13.5	12.2	9.8	7.5	6.7
77.5°	0.3	1.8	1.8	1.6	2.1	2.6	2.6	3.1	2.9	2.1	1.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	329.4	329.4	329.4	329.4	329.4	329.4	329.4	329.4	329.4	329.4	329.4
2.5°	289.5	298.9	301.5	311.0	319.6	328.2	338.5	344.7	354.1	360.6	364.2
5°	261.0	268.8	278.1	292.4	307.2	323.5	343.2	360.3	381.8	397.6	402.8
7.5°	240.3	250.4	261.3	279.2	299.4	321.2	348.9	376.9	409.8	431.3	445.1
10°	236.4	246.8	261.3	278.9	300.2	325.0	359.0	395.3	436.5	462.7	478.2
12.5°	255.1	266.2	272.4	280.5	296.5	324.3	367.8	413.9	462.4	490.9	507.5
15°	282.5	292.4	282.3	272.2	282.5	316.0	372.7	429.5	485.2	518.1	535.3
17.5°	301.5	302.2	280.2	258.7	261.5	300.9	374.5	445.1	509.6	544.1	562.0
20°	299.6	293.4	271.1	247.3	238.5	281.5	372.5	458.8	534.2	570.2	587.9
22.5°	285.6	278.4	259.5	236.1	219.0	258.4	368.8	471.2	556.8	597.7	614.3
25°	268.8	261.0	245.5	225.0	206.6	236.1	366.0	488.3	585.3	633.5	646.5
27.5°	249.1	242.4	229.1	214.4	201.4	219.3	365.2	510.9	619.8	677.0	686.1
30°	229.9	223.7	213.3	204.8	199.3	209.4	362.6	535.0	661.0	727.1	736.9
32.5°	211.5	205.3	198.8	197.5	197.8	205.8	353.8	558.8	710.0	799.6	806.9
35°	195.7	188.4	185.8	189.0	194.7	199.6	328.9	578.5	762.6	878.7	884.7
37.5°	180.7	173.4	173.1	180.7	186.9	190.0	299.6	598.0	833.6	959.1	966.6
40°	166.9	159.7	162.3	171.3	176.3	177.8	264.1	627.5	908.8	1043.8	1039.7
42.5°	155.3	147.7	149.3	161.0	165.4	169.5	231.5	652.2	981.1	1124.2	1122.9
45°	143.9	138.2	137.1	149.8	153.7	170.3	207.6	671.1	1074.1	1226.6	1228.6
47.5°	132.7	128.3	128.6	134.0	143.6	174.2	187.4	683.5	1209.2	1388.8	1352.8
50°	122.6	119.2	122.1	115.9	137.1	169.3	170.0	680.9	1360.0	1544.3	1472.0
52.5°	111.5	110.7	112.0	96.9	126.8	149.3	153.7	646.5	1430.8	1650.6	1609.4
55°	100.1	99.8	89.4	77.5	106.0	119.2	131.7	539.4	1428.5	1707.1	1757.1
57.5°	86.6	84.5	67.9	63.2	82.4	82.9	120.0	353.3	1266.0	1571.8	1675.5
60°	65.6	64.0	49.8	51.3	57.5	53.1	95.6	176.0	946.1	1224.5	1341.4
62.5°	45.4	43.3	37.1	39.7	37.1	30.3	58.6	87.1	573.1	773.2	879.2
65°	33.2	30.8	25.4	21.8	17.4	17.4	22.3	33.4	221.9	328.7	396.3
67.5°	20.5	19.4	15.0	10.9	10.6	11.4	11.7	16.6	35.8	57.0	69.7
70°	13.2	12.2	10.1	7.0	6.5	6.7	7.0	7.8	9.1	9.8	11.9
72.5°	9.1	8.6	7.3	3.9	3.1	3.4	3.6	3.6	4.4	4.1	4.9
75°	6.5	6.0	5.2	1.8	1.0	1.3	1.6	1.3	1.6	1.0	1.3
77.5°	1.8	1.8	1.3	0.3	0.0	0.3	0.5	0.5	0.3	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	329.4	329.4	329.4	329.4	329.4	329.4	329.4	329.4	329.4	329.4
2.5°	373.5	379.5	381.8	378.4	381.3	376.6	374.8	367.8	367.3	366.0
5°	423.8	437.3	445.3	450.2	444.5	438.3	429.0	412.9	408.0	404.9
7.5°	473.3	494.3	508.0	514.5	513.0	500.3	483.4	456.5	446.9	442.2
10°	516.3	542.0	558.6	566.6	563.2	552.1	528.0	494.3	481.6	478.7
12.5°	546.4	570.0	581.4	588.4	588.7	584.2	561.4	527.5	512.4	508.8
15°	565.3	575.4	575.7	579.8	587.1	596.9	586.3	556.3	540.2	534.7
17.5°	577.2	566.1	554.7	555.7	567.7	593.8	604.7	581.7	564.5	558.6
20°	585.8	550.5	529.3	529.6	541.7	581.4	617.4	606.3	588.7	583.2
22.5°	591.2	536.8	506.5	505.7	518.7	566.6	629.1	635.6	618.2	612.0
25°	602.4	530.3	492.7	497.2	508.6	562.0	644.9	674.4	658.4	650.1
27.5°	622.3	536.8	491.5	501.6	514.5	575.7	672.4	726.3	709.7	700.4
30°	656.8	561.2	511.4	525.4	541.0	611.7	718.5	798.6	774.8	765.9
32.5°	712.3	611.7	573.1	603.2	618.2	670.8	787.7	879.7	860.3	842.7
35°	788.8	727.1	722.7	792.6	789.0	782.8	872.7	979.3	950.0	932.9
37.5°	894.0	912.7	945.3	1014.8	1012.4	965.0	984.5	1073.4	1058.3	1036.3
40°	1025.4	1065.1	1120.5	1220.1	1189.0	1129.4	1121.6	1169.8	1157.6	1131.7
42.5°	1102.9	1171.3	1277.1	1366.5	1341.6	1237.4	1228.6	1298.6	1271.9	1243.7
45°	1138.9	1257.9	1465.3	1586.3	1510.9	1309.2	1305.9	1466.6	1451.5	1413.7
47.5°	1155.5	1345.3	1685.6	1868.9	1727.9	1372.2	1360.0	1710.2	1690.5	1645.9
50°	1173.9	1465.8	1951.0	2196.2	1989.9	1443.5	1452.3	1937.3	1929.0	1876.4
52.5°	1214.4	1593.3	2277.9	2570.5	2307.7	1555.2	1610.7	2151.4	2095.4	2034.7
55°	1275.0	1732.3	2618.0	2952.8	2632.0	1705.3	1782.0	2265.2	2108.1	2041.0
57.5°	1207.9	1767.0	2819.4	3219.8	2775.8	1705.8	1637.1	2067.9	1854.1	1789.0
60°	958.5	1643.9	2741.9	3162.0	2653.2	1514.8	1253.5	1614.6	1404.6	1361.1
62.5°	648.0	1378.7	2413.7	2674.2	2270.9	1191.6	814.7	1050.0	869.6	833.6
65°	355.1	1028.5	1950.2	2023.1	1777.4	832.3	419.1	455.7	347.1	331.0
67.5°	98.0	715.9	1435.0	1342.2	1247.0	542.0	108.3	81.4	58.1	57.5
70°	24.6	473.6	859.8	886.2	764.7	347.1	20.7	9.8	7.8	7.5
72.5°	10.4	203.7	408.0	468.9	391.4	160.7	7.5	2.9	2.3	1.8
75°	1.3	16.3	34.7	52.6	36.0	17.4	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	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
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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