

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: P629955

Luminaire Tested: GWS-SA1C-760-U-SLL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629955
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-SA1C-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3774.6 lumens
Efficiency: N/A
Efficacy: 110.7 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

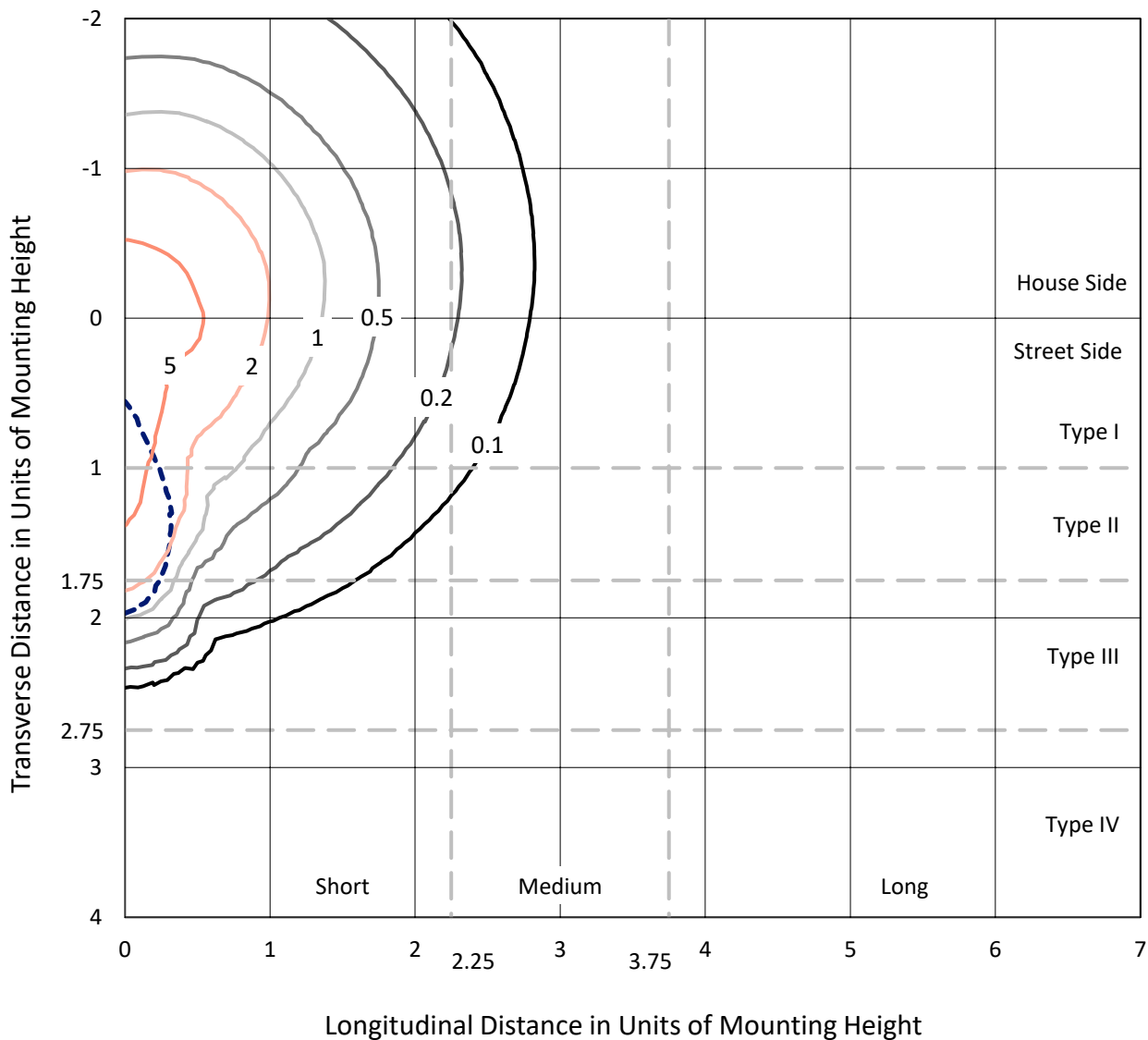
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

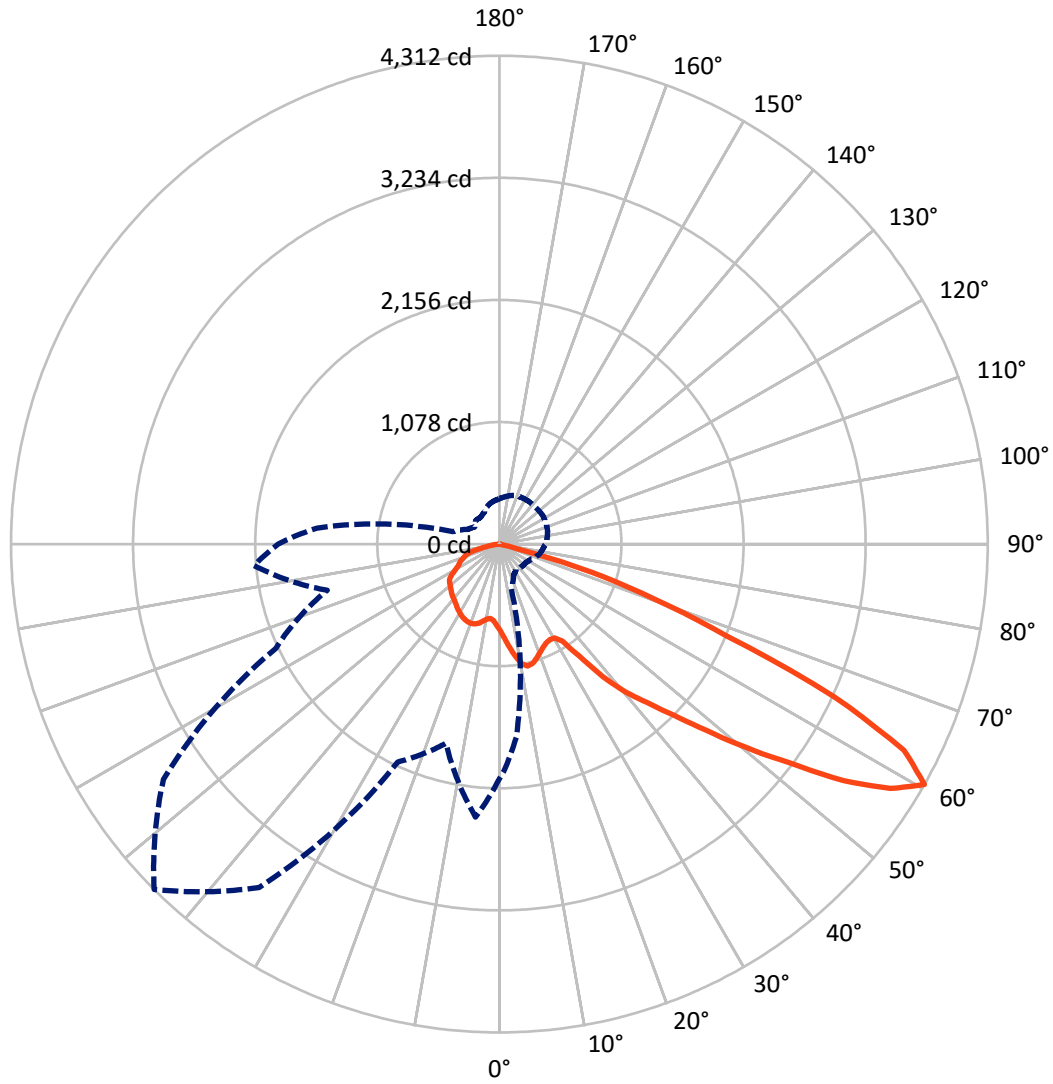
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 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	1291.3	0.0	1291.3
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	2483.3	0.0	2483.3
	% Fixture	65.8	0.0	65.8
Total	Lumens	3774.6	0.0	3774.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.4	2.0
10°-20°	238.6	6.3
20°-30°	388.5	10.3
30°-40°	545.8	14.5
40°-50°	746.9	19.8
50°-60°	958.2	25.4
60°-70°	645.2	17.1
70°-80°	161.3	4.3
80°-90°	15.7	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°	3774.6	100.0
0°-180°	3774.6	100.0

Coefficient of Utilization



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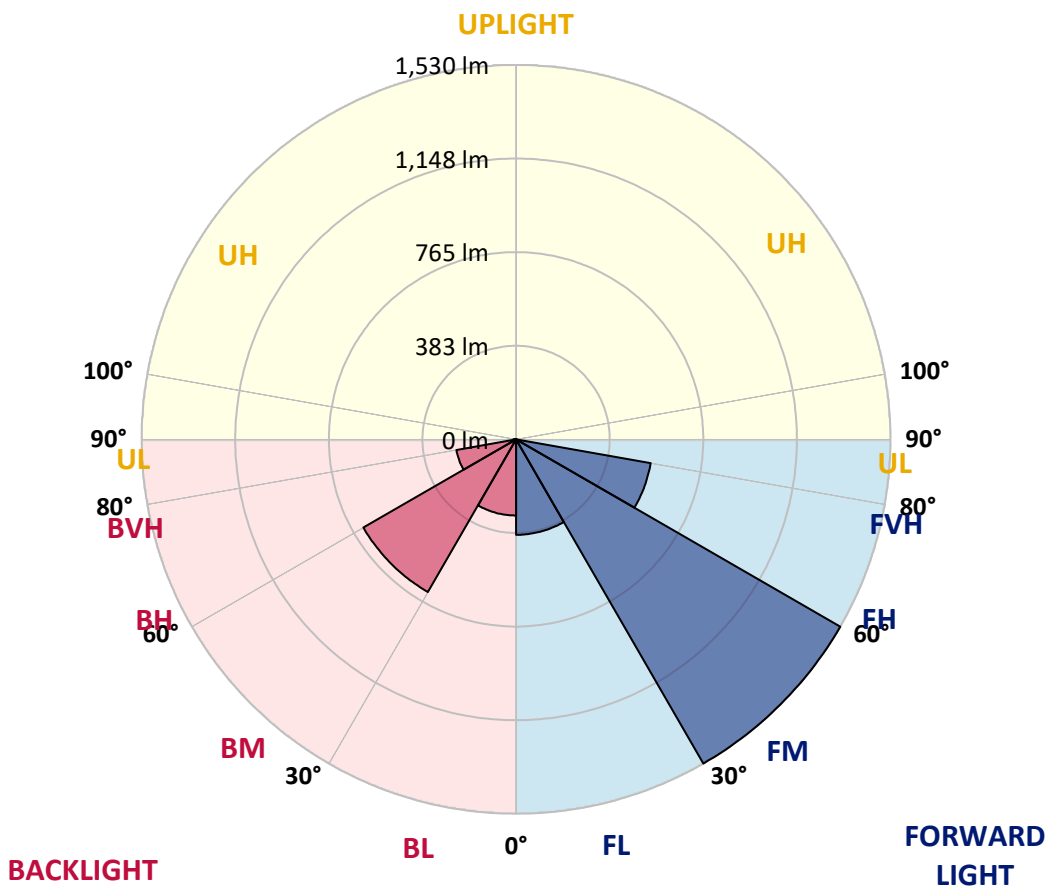
CATALOG NUMBER: GWS-SA1C-760-U-SLL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	390.2	10.3			
FM (30°-60°)	1530.3	40.5			
FH (60°-80°)	558.8	14.8			G0/660
FVH (80°-90°)	4.1	0.1			G0/10
BL (0°-30°)	311.3	8.2	B1/500		
BM (30°-60°)	720.6	19.1	B1/1000		
BH (60°-80°)	247.7	6.6	B1/500		G1/500
BVH (80°-90°)	11.6	0.3			G1/100
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°	761.3	761.3	761.3	761.3	761.3	761.3	761.3	761.3	761.3	761.3	761.3
2.5°	805.4	803.7	802.0	788.4	784.9	775.2	768.2	759.6	747.0	740.1	734.2
5°	855.9	853.1	843.7	815.9	797.8	778.0	761.6	743.6	724.4	711.9	702.2
7.5°	903.5	902.8	886.8	840.9	811.7	783.2	760.9	734.5	707.1	688.3	675.8
10°	947.6	942.4	923.3	863.5	825.3	792.6	768.6	739.4	707.4	682.0	665.4
12.5°	986.6	980.0	953.5	884.4	837.1	796.8	770.7	746.7	725.5	704.3	685.2
15°	1018.5	1010.5	983.8	903.8	847.5	794.3	757.8	739.0	746.3	755.7	734.5
17.5°	1048.4	1040.1	1007.4	918.1	850.6	779.4	726.2	718.2	755.0	797.8	788.1
20°	1073.5	1064.1	1026.2	925.0	845.1	750.9	685.2	699.1	747.7	798.8	814.5
22.5°	1100.6	1092.9	1047.4	935.1	838.1	711.6	650.8	684.8	735.2	780.1	803.7
25°	1144.0	1134.6	1080.4	952.8	834.6	674.7	626.1	670.9	717.8	758.5	776.9
27.5°	1207.0	1189.6	1125.6	983.8	838.5	640.0	610.4	653.9	697.7	732.4	747.4
30°	1275.4	1254.6	1175.7	1015.8	844.0	618.8	602.1	634.4	666.7	701.5	717.8
32.5°	1356.4	1338.0	1229.2	1039.7	832.2	609.0	595.8	613.2	638.9	666.7	680.3
35°	1453.1	1420.0	1287.6	1059.2	794.0	594.8	590.3	589.9	603.5	630.6	645.9
37.5°	1557.0	1521.6	1359.6	1080.1	734.5	572.2	577.1	562.5	575.0	596.5	613.9
40°	1642.2	1605.0	1432.2	1108.6	660.1	536.7	547.9	532.2	539.9	562.1	581.6
42.5°	1725.6	1686.0	1500.0	1140.9	588.2	502.0	507.5	501.6	504.1	527.3	554.5
45°	1835.1	1790.6	1583.4	1163.8	523.5	474.5	469.3	459.2	472.1	502.3	531.2
47.5°	2018.0	1964.8	1720.0	1178.8	476.6	458.9	434.9	429.0	445.0	478.7	508.6
50°	2231.7	2185.9	1938.4	1178.1	441.5	445.7	401.5	396.3	422.7	456.8	488.4
52.5°	2406.9	2360.4	2125.0	1143.3	412.6	417.5	382.0	367.4	403.6	435.2	466.9
55°	2548.4	2495.9	2210.9	998.0	376.1	372.7	360.8	334.1	379.6	413.7	443.2
57.5°	2472.3	2409.7	2106.9	758.9	338.6	316.7	324.3	304.5	346.9	389.7	418.2
60°	2072.9	2016.6	1711.7	403.9	297.9	264.5	280.5	283.7	311.1	360.8	390.0
62.5°	1423.9	1382.8	1160.0	245.1	235.0	212.4	237.4	260.0	280.5	322.6	348.0
65°	696.6	684.5	580.2	157.1	164.4	171.7	196.8	224.2	254.5	291.3	318.1
67.5°	191.9	193.3	175.9	122.7	129.7	149.8	169.6	191.5	221.8	255.9	283.0
70°	84.5	85.9	88.6	94.6	107.8	126.2	146.7	169.3	197.1	225.6	251.7
72.5°	58.7	60.1	64.3	72.0	83.8	101.2	120.6	142.2	171.0	195.0	216.6
75°	36.2	37.2	41.0	47.6	55.6	68.8	87.9	107.8	133.1	155.0	174.2
77.5°	19.1	18.4	20.9	25.4	32.3	39.3	52.1	64.7	82.7	100.5	116.5
80°	10.4	10.1	11.5	13.9	16.0	21.6	30.2	38.6	49.0	59.1	67.8
82.5°	4.5	4.2	4.5	5.9	7.3	10.4	15.3	21.2	27.1	34.1	39.6
85°	0.0	0.0	0.0	0.3	1.7	2.8	5.2	7.6	11.1	15.3	18.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	3.1
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°	761.3	761.3	761.3	761.3	761.3	761.3	761.3	761.3	761.3	761.3	761.3
2.5°	730.7	722.0	721.3	714.4	715.1	715.4	708.5	705.7	708.1	710.9	709.5
5°	698.7	689.7	685.9	679.3	678.6	675.4	672.7	669.2	671.6	674.0	675.4
7.5°	670.9	665.0	662.6	660.8	661.5	660.1	654.6	651.4	651.1	652.1	653.5
10°	661.9	657.0	660.1	665.0	668.5	670.9	665.0	659.8	654.9	652.8	652.8
12.5°	681.3	675.1	681.3	686.6	693.5	695.2	688.6	683.1	681.3	683.4	687.6
15°	724.4	709.8	709.5	712.6	718.2	721.0	714.7	711.9	711.9	725.1	735.6
17.5°	767.6	743.6	733.5	731.7	735.2	736.3	731.1	728.6	734.9	760.6	780.1
20°	797.8	768.6	746.7	742.5	743.6	743.9	739.7	738.0	747.0	778.3	794.7
22.5°	794.7	773.1	746.3	741.1	742.9	742.2	738.4	737.7	745.0	772.1	779.7
25°	773.1	756.4	733.8	730.4	733.1	732.8	729.0	727.2	730.4	748.4	749.1
27.5°	748.4	733.8	714.4	713.3	717.8	720.3	713.7	708.5	707.4	719.6	716.8
30°	718.9	708.1	692.5	693.2	701.5	702.9	694.9	687.3	685.2	691.8	687.9
32.5°	683.8	680.3	672.0	673.7	681.7	684.5	676.1	668.1	665.7	667.8	659.8
35°	653.9	652.5	653.2	656.3	663.3	665.4	658.4	652.1	648.7	641.4	630.9
37.5°	622.9	626.8	636.8	642.8	646.6	645.9	642.1	637.5	632.0	618.4	605.6
40°	594.1	603.8	621.9	628.5	629.9	630.2	627.5	623.6	616.7	598.6	584.0
42.5°	571.8	582.6	606.6	616.7	617.4	618.1	615.3	612.2	602.4	578.4	564.2
45°	548.6	562.8	591.0	603.1	602.4	602.1	599.7	598.3	586.8	559.0	543.3
47.5°	528.7	545.4	575.7	586.1	585.7	585.4	583.7	583.7	572.2	541.9	524.2
50°	509.3	528.4	560.0	568.7	569.4	568.7	568.0	569.1	555.5	523.2	505.8
52.5°	488.1	509.6	542.6	550.6	554.8	556.5	556.5	554.1	538.1	504.4	485.3
55°	464.8	485.3	523.5	534.3	537.8	540.9	540.9	536.0	521.1	487.0	466.5
57.5°	435.9	454.0	484.2	495.0	503.4	505.4	505.4	497.5	485.3	452.6	435.9
60°	404.6	420.3	440.8	452.3	458.5	454.3	457.5	455.4	445.7	415.4	401.5
62.5°	362.9	378.9	401.5	413.3	416.1	411.9	416.1	415.8	402.5	375.4	358.7
65°	333.0	348.7	370.9	386.2	390.7	389.7	392.5	388.3	372.0	346.2	330.2
67.5°	297.6	314.3	340.0	357.0	366.4	367.4	371.3	362.6	345.9	317.7	297.6
70°	263.8	278.1	297.9	313.9	327.1	333.7	334.4	321.9	301.0	277.8	263.2
72.5°	228.4	243.0	267.0	284.4	301.0	308.7	308.7	293.4	270.8	245.1	229.4
75°	185.3	198.8	220.7	239.5	258.6	268.4	268.0	254.8	229.8	205.4	189.1
77.5°	125.5	135.6	149.5	163.7	166.5	174.2	178.0	161.3	147.4	134.2	119.6
80°	73.0	79.3	86.9	94.9	96.6	99.1	92.8	86.6	79.3	70.6	64.0
82.5°	42.8	46.9	50.8	57.0	58.1	58.7	53.2	50.4	44.5	39.3	35.1
85°	20.9	22.2	25.7	28.9	27.5	26.8	24.3	21.6	19.1	17.0	14.9
87.5°	4.2	4.2	6.3	5.9	4.9	4.2	2.4	3.1	0.7	0.7	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°	761.3	761.3	761.3	761.3	761.3	761.3	761.3	761.3	761.3	761.3	761.3
2.5°	714.0	719.9	727.2	737.0	748.1	759.9	771.4	780.1	788.8	801.6	799.5
5°	677.5	687.6	699.1	714.0	732.1	752.6	775.5	798.5	823.2	844.0	853.1
7.5°	656.3	667.4	681.0	700.5	723.8	748.8	781.1	818.3	858.3	885.7	902.8
10°	656.3	670.6	688.3	707.1	727.6	753.3	793.3	839.9	891.3	927.5	947.3
12.5°	694.2	708.5	712.3	711.6	723.1	751.6	803.0	862.5	924.0	962.2	986.6
15°	753.3	758.2	729.3	702.9	704.6	739.0	807.5	880.5	952.1	998.0	1024.4
17.5°	792.9	780.1	728.6	682.4	672.7	717.8	807.5	897.9	982.0	1033.8	1058.5
20°	796.1	764.1	710.9	662.6	637.5	689.7	802.0	911.1	1010.9	1068.2	1094.7
22.5°	768.6	737.0	692.1	645.5	608.7	655.6	792.9	921.2	1035.6	1100.6	1133.3
25°	737.3	710.9	673.0	628.2	588.9	621.2	784.6	938.2	1070.0	1144.4	1177.4
27.5°	706.7	684.5	650.1	613.6	577.8	591.3	779.4	963.3	1111.0	1206.6	1235.1
30°	676.8	656.7	625.4	599.7	571.8	571.8	774.9	992.1	1165.2	1276.5	1305.0
32.5°	646.6	627.5	602.1	586.1	568.4	564.2	762.3	1019.2	1221.2	1353.0	1382.2
35°	618.4	599.3	579.8	573.2	566.6	558.3	731.4	1040.4	1275.8	1442.3	1467.3
37.5°	592.0	573.6	559.0	557.2	557.9	542.3	682.7	1058.2	1343.9	1533.7	1546.9
40°	569.1	548.6	537.1	536.7	540.2	516.6	621.2	1083.5	1421.8	1611.2	1605.7
42.5°	548.6	527.0	513.1	516.2	514.1	490.8	561.1	1106.8	1489.6	1683.9	1672.8
45°	528.4	507.5	488.1	492.6	490.1	474.9	510.0	1123.9	1564.7	1771.1	1772.5
47.5°	508.9	488.4	468.9	463.4	463.0	470.0	470.7	1129.4	1687.0	1911.6	1880.0
50°	490.8	470.3	450.2	431.4	438.7	460.3	441.5	1125.3	1870.2	2066.6	1978.3
52.5°	472.1	452.6	430.4	396.6	415.8	437.0	415.4	1110.3	1982.2	2203.6	2150.8
55°	450.5	432.1	401.9	360.8	384.1	388.6	388.6	965.7	2029.8	2339.2	2371.8
57.5°	421.7	397.3	349.4	316.3	337.2	319.8	360.1	675.8	1951.2	2296.4	2423.3
60°	389.0	362.9	312.2	288.5	294.8	264.2	307.0	423.8	1617.1	1954.0	2173.7
62.5°	345.9	321.9	279.8	261.4	248.6	215.5	247.2	268.0	1108.6	1451.0	1600.8
65°	317.0	290.6	253.1	228.7	202.3	173.5	164.1	175.9	596.2	812.0	913.2
67.5°	283.0	256.9	221.4	190.8	169.6	148.8	132.4	128.3	204.4	270.5	292.7
70°	250.6	225.6	196.1	167.6	146.3	125.8	109.8	98.4	94.6	93.9	92.5
72.5°	217.6	194.3	169.6	143.2	119.9	101.2	86.9	73.7	68.1	66.4	64.7
75°	178.3	159.9	135.2	106.7	87.9	70.6	59.4	50.8	45.9	44.1	42.1
77.5°	114.7	106.4	84.8	68.8	53.2	42.1	36.2	30.6	27.5	26.8	25.0
80°	61.2	57.0	46.9	39.6	31.6	25.7	22.6	19.5	17.7	17.0	16.3
82.5°	34.1	30.9	26.1	22.9	18.4	15.6	13.9	12.5	11.5	11.1	10.8
85°	15.3	13.2	10.4	9.7	8.7	8.0	7.6	7.0	6.6	6.3	5.9
87.5°	0.7	1.4	1.7	1.4	1.4	2.1	2.4	2.4	2.1	2.1	1.7
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°	761.3	761.3	761.3	761.3	761.3	761.3	761.3	761.3	761.3	761.3
2.5°	812.4	822.8	823.9	827.3	822.8	821.8	814.5	810.3	806.5	805.4
5°	875.7	896.5	904.9	910.8	905.2	902.4	886.4	869.8	860.4	855.9
7.5°	940.7	972.0	988.3	995.6	996.3	983.8	956.3	925.0	909.4	903.5
10°	998.7	1037.3	1058.9	1072.8	1067.9	1052.6	1015.1	972.7	952.8	947.6
12.5°	1041.8	1078.7	1095.4	1104.4	1104.1	1095.7	1060.3	1014.4	991.8	986.6
15°	1069.6	1091.5	1092.6	1094.7	1100.6	1111.7	1093.3	1050.9	1025.8	1018.5
17.5°	1091.5	1082.8	1066.5	1060.9	1074.2	1105.1	1116.2	1081.8	1054.7	1048.4
20°	1105.4	1061.6	1032.8	1022.0	1037.3	1087.7	1130.1	1109.6	1081.5	1073.5
22.5°	1116.2	1041.8	995.2	987.9	1003.9	1068.9	1144.4	1142.6	1111.7	1100.6
25°	1133.3	1028.6	968.8	963.6	978.6	1059.9	1163.5	1187.5	1160.0	1144.0
27.5°	1160.0	1027.2	955.3	953.5	974.0	1067.9	1191.0	1253.2	1218.8	1207.0
30°	1197.2	1040.4	958.4	961.9	986.9	1096.8	1233.7	1328.3	1293.9	1275.4
32.5°	1250.8	1075.9	1006.0	1021.0	1039.4	1143.0	1296.3	1409.6	1383.5	1356.4
35°	1321.3	1173.2	1146.8	1210.4	1193.0	1244.1	1371.7	1508.3	1476.7	1453.1
37.5°	1415.5	1372.8	1397.1	1484.7	1442.6	1435.3	1463.8	1598.0	1580.6	1557.0
40°	1547.6	1556.3	1601.2	1716.2	1655.4	1608.5	1576.8	1665.5	1671.4	1642.2
42.5°	1635.2	1675.2	1783.3	1914.0	1830.2	1718.0	1671.4	1751.7	1752.0	1725.6
45°	1667.9	1772.5	1998.5	2149.0	2008.9	1780.5	1723.5	1868.8	1865.4	1835.1
47.5°	1656.1	1854.6	2222.0	2452.1	2238.4	1825.0	1716.2	2035.7	2063.8	2018.0
50°	1631.4	1937.0	2483.1	2823.4	2519.9	1872.3	1705.1	2220.6	2267.2	2231.7
52.5°	1656.4	2028.7	2791.8	3207.2	2873.1	1947.7	1780.2	2458.0	2449.7	2406.9
55°	1735.7	2137.2	3166.9	3689.3	3261.1	2075.3	1973.1	2684.4	2599.5	2548.4
57.5°	1731.9	2214.7	3495.7	4070.7	3598.6	2180.0	2040.2	2708.3	2537.0	2472.3
60°	1572.0	2179.3	3620.9	4311.9	3700.5	2122.2	1819.5	2419.1	2140.7	2072.9
62.5°	1173.2	1933.8	3378.2	4009.8	3412.3	1833.0	1368.2	1736.4	1538.2	1423.9
65°	750.5	1512.9	2840.1	3248.5	2812.6	1402.0	814.8	930.9	729.3	696.6
67.5°	319.5	1067.9	2207.8	2171.3	2104.2	908.3	314.6	262.1	195.4	191.9
70°	105.7	726.5	1360.9	1448.2	1256.7	625.7	103.9	87.9	87.6	84.5
72.5°	69.2	390.0	766.2	853.1	808.6	360.1	62.9	58.7	60.1	58.7
75°	41.4	84.8	129.0	167.6	129.0	60.5	37.9	37.2	37.9	36.2
77.5°	24.3	23.6	22.9	22.9	22.6	20.9	19.1	18.4	18.8	19.1
80°	15.6	14.9	14.3	13.9	12.2	11.5	10.8	10.1	10.1	10.4
82.5°	10.1	9.4	8.7	7.6	6.3	5.2	4.9	4.2	4.2	4.5
85°	5.2	4.2	3.1	2.4	1.4	0.7	0.0	0.0	0.0	0.0
87.5°	1.0	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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