

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: P630236

Luminaire Tested: GWS-SA1D-730-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630236
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-41)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-730-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5228.2 lumens
Efficiency: N/A
Efficacy: 118.0 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

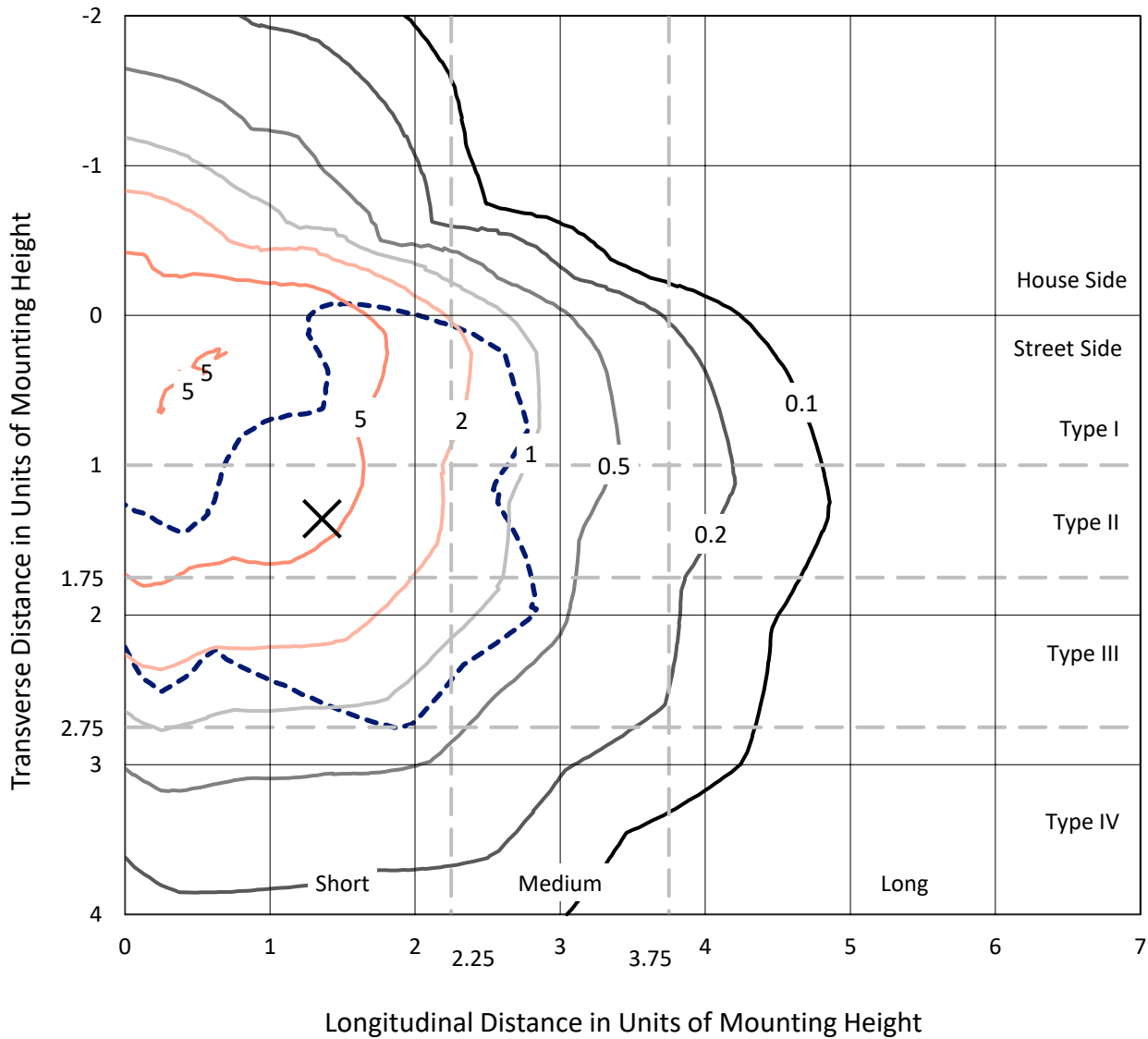
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

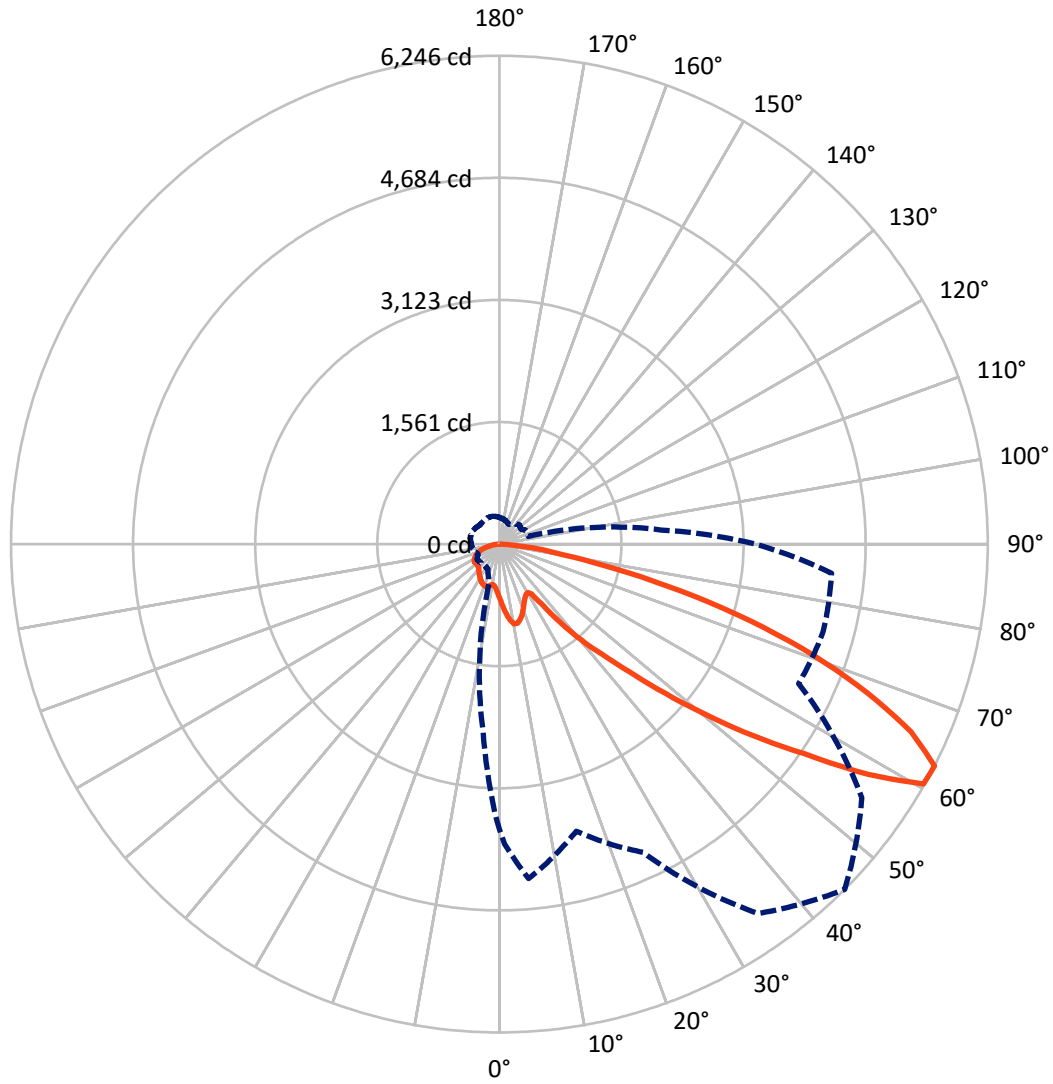
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1247.5	0.0	1247.5
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	3980.7	0.0	3980.7
	% Fixture	76.1	0.0	76.1
Total	Lumens	5228.2	0.0	5228.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.8	1.3
10°-20°	212.4	4.1
20°-30°	330.0	6.3
30°-40°	448.0	8.6
40°-50°	710.0	13.6
50°-60°	1252.5	24.0
60°-70°	1393.6	26.7
70°-80°	706.8	13.5
80°-90°	107.0	2.0
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°	5228.2	100.0
0°-180°	5228.2	100.0

Coefficient of Utilization



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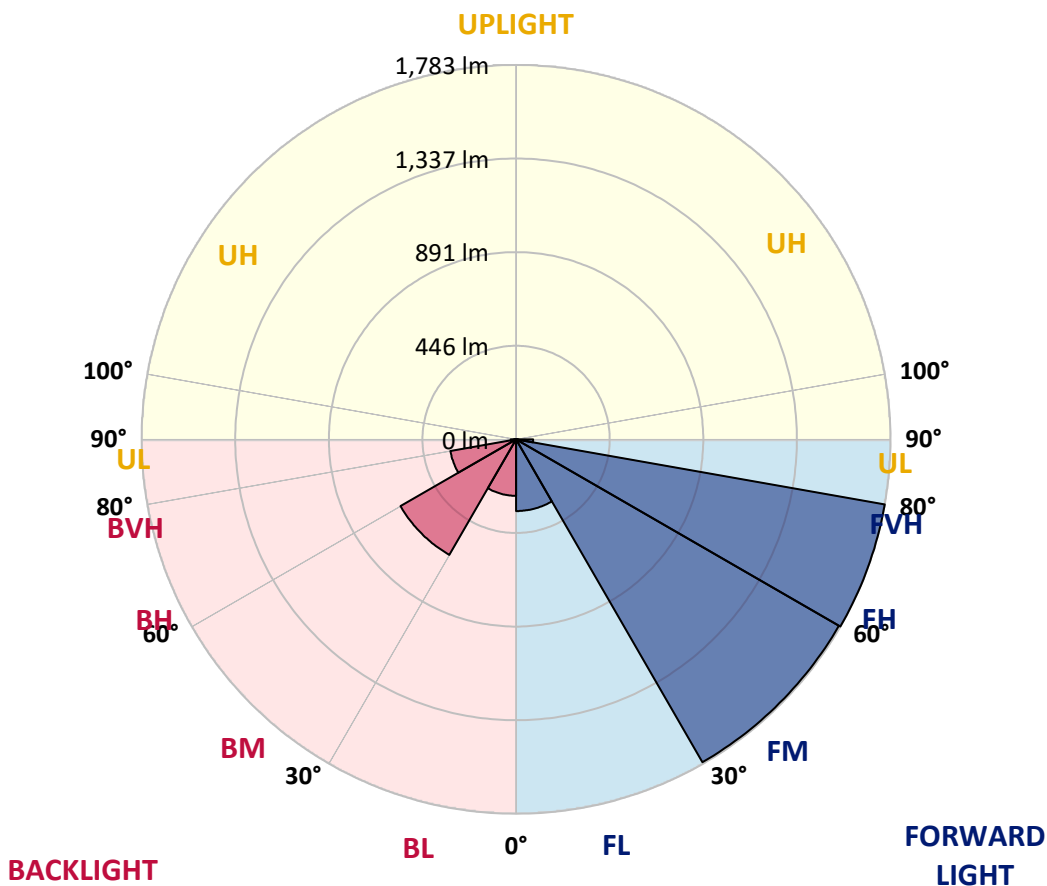
CATALOG NUMBER: GWS-SA1D-730-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	341.4	6.5			
FM (30°-60°)	1775.2	34.0			
FH (60°-80°)	1782.9	34.1			G1/1800
FVH (80°-90°)	81.2	1.6			G1/100
BL (0°-30°)	268.8	5.1	B1/500		
BM (30°-60°)	635.4	12.2	B1/1000		
BH (60°-80°)	317.6	6.1	B1/500		G1/500
BVH (80°-90°)	25.8	0.5			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°	693.9	693.9	693.9	693.9	693.9	693.9	693.9	693.9	693.9	693.9	693.9
2.5°	745.7	745.3	752.9	764.3	775.0	779.8	787.7	786.9	780.6	772.3	769.5
5°	804.3	805.9	819.0	844.3	872.4	884.3	889.4	887.4	876.0	861.3	835.6
7.5°	857.4	860.1	880.3	918.3	953.2	969.0	981.7	979.3	962.7	935.3	897.3
10°	896.2	899.3	923.5	968.2	1007.0	1020.8	1037.1	1037.9	1023.2	986.4	947.6
12.5°	934.9	938.1	960.7	1001.4	1026.8	1027.2	1036.7	1041.8	1042.6	1025.6	986.8
15°	975.3	978.1	998.7	1021.6	1020.4	998.3	998.3	1008.2	1029.9	1042.2	1015.3
17.5°	1009.8	1013.3	1029.2	1021.6	986.4	946.4	941.7	954.3	992.3	1039.4	1036.7
20°	1038.3	1041.0	1049.7	999.9	935.7	883.5	874.4	889.0	940.5	1022.4	1052.9
22.5°	1065.6	1067.2	1062.4	971.4	881.1	821.3	810.3	825.7	881.1	992.3	1066.8
25°	1098.0	1096.4	1073.9	941.7	831.2	772.3	760.8	778.2	836.0	952.4	1081.8
27.5°	1135.6	1129.7	1083.8	909.6	792.8	735.8	727.9	746.5	800.4	915.6	1093.7
30°	1167.7	1156.2	1085.4	881.1	773.1	720.4	715.7	733.1	783.0	890.6	1108.7
32.5°	1203.3	1187.5	1094.5	873.6	784.1	757.6	764.0	765.1	787.7	883.5	1131.3
35°	1254.4	1233.8	1119.4	895.4	898.1	942.9	965.8	934.9	859.3	899.3	1174.0
37.5°	1331.6	1305.4	1170.1	989.6	1133.7	1233.8	1289.2	1218.8	1077.1	959.1	1238.6
40°	1425.4	1392.1	1235.0	1163.7	1353.7	1514.0	1612.6	1509.3	1301.1	1108.3	1329.2
42.5°	1556.4	1521.6	1360.9	1334.7	1557.6	1796.3	1924.9	1770.9	1498.6	1301.1	1474.5
45°	1784.8	1751.1	1591.6	1506.1	1796.3	2143.8	2324.3	2110.2	1699.3	1494.7	1746.0
47.5°	2206.7	2167.2	1934.4	1696.1	2068.6	2595.1	2847.6	2535.7	1907.9	1716.3	2202.0
50°	2713.4	2675.4	2364.7	1921.0	2369.4	3077.6	3428.7	3035.6	2148.2	1985.9	2747.1
52.5°	3323.0	3315.9	2978.6	2205.2	2682.5	3592.2	4073.5	3589.4	2411.4	2348.9	3364.5
55°	3872.4	3942.1	3758.4	2638.6	3087.1	4238.5	4736.5	4193.4	2768.4	2948.9	4087.7
57.5°	4168.5	4355.7	4637.9	3522.9	3675.3	5011.2	5554.7	4930.8	3382.0	3948.0	4758.3
60°	3972.9	4185.1	4696.5	4188.7	4258.7	5630.3	6230.0	5550.7	3984.4	4641.5	4720.3
62.5°	3647.6	3838.0	4292.8	3800.0	4349.0	5766.4	6245.8	5658.8	4223.9	4289.6	4263.9
65°	3261.6	3453.6	3935.3	3317.1	4062.0	5443.0	5785.0	5340.9	3793.6	3875.6	3885.1
67.5°	2749.0	2926.4	3416.8	2949.3	3702.6	4968.5	5077.7	4888.1	3493.6	3624.2	3487.7
70°	2054.0	2213.9	2646.9	2396.7	3121.1	4350.2	4261.9	4290.0	3156.7	3286.6	2913.3
72.5°	1403.6	1523.9	1895.2	1883.4	2390.0	3482.5	3359.4	3625.8	2636.6	2808.8	2221.0
75°	981.7	1075.5	1370.0	1487.9	1806.6	2581.2	2392.4	2713.8	2059.1	2304.9	1620.5
77.5°	602.5	664.6	865.3	1102.4	1162.2	1766.6	1485.9	2042.1	1446.0	1681.1	1081.0
80°	301.2	331.3	420.4	693.1	770.7	1041.0	820.6	1185.5	978.5	1041.0	598.1
82.5°	91.0	100.5	123.1	263.2	399.4	599.3	484.9	688.7	534.4	488.1	235.5
85°	24.1	27.3	34.0	78.0	140.1	214.9	163.9	333.7	256.1	180.1	88.7
87.5°	2.0	2.0	1.6	1.6	0.8	0.0	0.0	23.7	47.9	27.3	15.4
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°	693.9	693.9	693.9	693.9	693.9	693.9	693.9	693.9	693.9	693.9	693.9
2.5°	755.6	754.1	737.8	726.0	712.1	698.6	684.8	672.5	658.7	644.8	640.8
5°	816.6	805.5	771.1	742.2	713.7	688.7	667.0	644.4	626.2	608.4	601.7
7.5°	870.4	851.0	801.2	757.2	717.6	686.8	654.7	621.8	596.1	570.8	564.5
10°	919.1	893.4	830.5	775.0	731.1	695.9	658.3	614.3	577.1	546.2	537.9
12.5°	955.1	927.0	855.8	792.1	742.2	702.6	665.4	626.6	587.4	547.4	538.3
15°	983.6	954.3	876.8	805.1	742.6	691.5	655.5	642.0	629.8	590.6	574.0
17.5°	1006.6	975.7	895.0	813.0	731.9	657.9	626.6	646.4	677.7	653.1	621.8
20°	1027.6	996.3	908.8	818.6	708.1	611.6	594.1	636.1	683.2	682.4	654.3
22.5°	1050.5	1020.1	929.0	821.7	674.9	564.5	574.7	621.1	659.5	670.9	653.5
25°	1079.8	1052.9	957.1	828.9	637.3	532.0	560.5	601.7	633.7	636.5	626.2
27.5°	1113.9	1093.7	999.1	845.5	600.9	515.4	543.9	574.3	603.6	604.8	592.6
30°	1151.1	1137.6	1037.9	859.3	573.6	510.2	522.5	547.0	565.6	568.8	558.1
32.5°	1198.6	1186.7	1072.3	850.2	557.3	509.0	502.7	515.4	530.8	530.8	522.5
35°	1263.9	1247.3	1108.7	815.4	537.5	504.3	481.7	485.3	492.0	493.2	488.5
37.5°	1356.5	1329.2	1145.5	746.5	505.1	487.3	457.6	453.2	455.6	458.8	457.6
40°	1471.3	1426.6	1199.4	663.8	466.3	454.4	432.6	424.3	422.3	428.7	431.1
42.5°	1615.8	1547.3	1257.2	586.6	431.1	416.8	403.4	396.2	393.1	403.7	410.1
45°	1846.5	1733.7	1312.6	510.2	411.3	384.7	375.6	370.5	372.1	384.7	392.7
47.5°	2245.1	2018.3	1365.2	461.9	409.7	361.8	350.7	351.9	356.2	369.7	379.2
50°	2749.4	2399.5	1400.4	441.7	414.4	347.9	333.3	339.6	346.4	359.4	370.5
52.5°	3262.8	2754.6	1358.5	430.7	414.0	348.3	317.1	336.1	339.2	352.3	364.2
55°	3615.9	2794.2	1173.6	413.6	407.7	364.2	304.4	334.5	336.5	348.3	359.0
57.5°	3750.5	2658.8	895.0	418.4	388.7	376.4	298.9	323.4	337.6	347.9	359.0
60°	3587.8	2403.5	543.9	430.7	358.2	375.6	302.4	303.2	327.7	345.2	356.2
62.5°	3281.0	2075.7	382.0	395.8	336.1	354.7	310.7	279.5	310.3	331.3	341.2
65°	2929.5	1690.2	291.3	340.8	325.4	322.2	313.5	258.5	286.6	307.2	315.9
67.5°	2563.4	1313.8	236.7	254.1	294.1	291.3	286.6	239.9	258.5	273.1	283.0
70°	2102.2	919.1	199.9	190.8	252.1	261.2	250.6	216.5	222.5	237.5	245.4
72.5°	1537.8	572.8	164.3	157.5	202.7	228.4	222.9	190.8	193.6	207.8	214.1
75°	1105.9	327.7	131.8	129.8	154.8	195.5	184.5	164.3	167.4	178.1	182.5
77.5°	703.0	182.5	101.7	104.5	110.8	146.1	157.5	140.5	140.5	146.9	150.4
80°	376.4	104.5	74.4	75.6	77.6	111.6	124.3	108.9	108.9	104.5	108.9
82.5°	153.6	60.2	51.1	47.5	51.9	76.4	87.1	69.3	72.4	65.3	66.9
85°	50.7	30.1	25.3	24.9	24.5	33.6	42.0	34.4	41.2	26.1	27.3
87.5°	6.7	5.5	3.2	2.4	2.8	1.2	2.4	2.8	2.8	2.0	2.0
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°	693.9	693.9	693.9	693.9	693.9	693.9	693.9	693.9	693.9	693.9	693.9
2.5°	638.1	634.9	623.4	626.2	624.2	621.1	624.2	618.3	623.0	624.6	634.5
5°	596.5	589.0	577.9	572.4	571.2	568.0	568.4	565.6	566.4	573.2	584.2
7.5°	559.3	552.2	543.5	539.5	536.0	532.4	532.0	531.6	534.8	540.7	551.4
10°	532.4	528.4	524.9	526.5	524.9	523.3	520.5	520.5	525.7	536.3	549.4
12.5°	532.4	531.6	532.4	537.1	536.7	537.1	533.6	535.6	549.8	568.0	586.6
15°	560.9	554.6	554.6	556.9	556.1	556.1	556.1	564.5	596.9	625.0	644.8
17.5°	595.7	577.1	569.2	568.0	567.6	567.6	569.2	587.0	637.7	667.4	678.8
20°	619.9	584.6	571.6	566.4	566.8	567.6	572.4	596.9	652.7	667.8	665.0
22.5°	624.2	578.7	562.9	555.3	556.5	557.3	564.5	590.6	632.1	634.5	629.0
25°	604.0	562.1	545.1	539.1	540.7	540.3	546.6	565.6	595.3	594.5	591.4
27.5°	574.0	535.6	522.9	518.9	521.7	518.5	520.5	535.2	558.1	557.3	556.1
30°	543.1	509.8	498.3	496.4	499.9	495.2	495.6	507.8	523.7	522.9	522.5
32.5°	512.2	484.1	473.8	473.8	477.4	472.2	473.0	483.7	494.4	491.2	491.2
35°	482.9	463.1	454.8	453.2	456.0	452.4	454.0	463.9	467.9	463.5	460.7
37.5°	457.2	448.5	440.2	434.6	435.0	435.4	440.2	447.7	445.3	439.0	435.4
40°	433.4	433.4	425.5	415.2	414.0	416.8	424.7	433.0	426.3	419.2	414.8
42.5°	416.4	420.0	412.5	402.2	399.8	404.5	413.2	419.2	411.3	403.4	397.4
45°	400.6	409.3	404.1	392.7	389.5	395.0	406.1	408.5	397.8	390.3	385.9
47.5°	389.5	401.4	397.8	386.7	382.0	389.9	401.4	401.0	387.5	379.6	376.0
50°	381.6	396.6	396.2	386.7	381.6	391.5	401.8	396.6	382.0	373.7	370.1
52.5°	375.2	396.2	399.0	393.5	389.9	398.6	404.9	395.0	378.0	369.3	366.5
55°	372.5	397.8	399.8	394.6	391.5	399.4	404.9	398.2	378.0	370.1	367.7
57.5°	373.3	395.8	396.2	389.1	383.6	393.5	402.2	400.2	382.4	373.3	370.5
60°	368.5	385.1	385.9	374.9	368.5	380.4	395.8	394.6	380.4	370.9	365.7
62.5°	352.7	367.3	367.7	357.4	348.3	365.4	382.4	382.0	368.9	359.4	353.5
65°	326.2	341.6	345.6	335.7	328.5	346.7	364.6	363.8	350.7	342.0	336.1
67.5°	293.3	309.9	317.5	310.7	308.0	324.6	341.2	340.8	330.1	321.8	316.7
70°	253.3	267.2	279.9	279.9	277.9	296.9	314.7	313.1	303.2	296.9	292.9
72.5°	220.1	230.8	234.7	238.7	244.6	264.4	279.5	280.6	273.5	270.4	273.5
75°	187.2	194.0	197.5	194.4	204.6	225.2	245.0	247.0	239.5	234.3	235.5
77.5°	154.0	161.5	165.1	157.9	157.1	183.3	207.4	211.8	205.4	197.5	199.9
80°	111.2	121.1	127.1	122.3	120.7	132.2	165.5	170.2	164.3	157.9	161.5
82.5°	68.1	73.6	75.2	80.0	89.9	94.6	106.5	122.3	118.0	112.4	122.3
85°	26.9	32.1	35.6	40.4	47.1	55.8	65.7	78.4	71.2	68.9	81.1
87.5°	1.6	0.4	0.0	0.8	6.7	13.1	28.1	38.8	32.5	34.8	42.0
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°	693.9	693.9	693.9	693.9	693.9	693.9	693.9	693.9	693.9	693.9
2.5°	642.4	652.7	666.6	678.1	692.7	706.6	720.8	735.1	742.6	745.7
5°	596.9	615.9	638.1	662.6	691.1	721.2	751.7	783.0	802.7	804.3
7.5°	569.6	596.9	627.4	658.3	693.5	735.1	783.3	831.6	851.8	857.4
10°	578.3	608.8	632.9	661.8	700.6	752.5	809.5	866.1	889.4	896.2
12.5°	613.1	619.1	626.6	653.1	700.6	767.5	836.4	903.7	928.6	934.9
15°	642.0	613.5	600.1	628.2	691.1	780.6	864.9	939.3	969.4	975.3
17.5°	644.4	595.3	566.0	591.4	674.5	789.7	892.2	978.9	1004.2	1009.8
20°	620.3	575.9	537.9	553.4	651.9	793.6	912.0	1007.8	1032.7	1038.3
22.5°	593.0	560.1	518.9	518.1	624.6	798.0	935.7	1035.1	1062.0	1065.6
25°	567.2	538.3	503.5	492.4	593.0	806.3	967.8	1076.3	1096.8	1098.0
27.5°	537.1	515.0	491.2	480.5	565.2	822.1	1015.3	1125.3	1137.6	1135.6
30°	509.8	493.2	482.5	479.3	547.8	834.0	1060.4	1173.6	1174.4	1167.7
32.5°	480.9	474.6	474.6	484.9	533.6	831.2	1097.2	1220.7	1213.2	1203.3
35°	455.2	456.4	464.7	488.8	509.8	803.5	1132.5	1279.7	1268.6	1254.4
37.5°	430.7	439.8	451.6	475.0	478.6	762.4	1173.6	1363.2	1349.4	1331.6
40°	409.7	423.5	437.4	448.9	445.3	703.8	1231.0	1461.4	1446.0	1425.4
42.5°	393.1	406.5	422.0	423.1	424.3	642.8	1292.0	1581.7	1579.0	1556.4
45°	382.4	391.1	405.7	403.7	423.1	575.5	1348.2	1765.4	1801.8	1784.8
47.5°	375.2	382.0	383.6	391.9	433.4	515.4	1420.6	2124.8	2226.1	2206.7
50°	371.3	378.0	360.2	392.7	435.0	476.6	1520.8	2576.1	2739.1	2713.4
52.5°	370.9	369.3	342.4	401.0	426.3	452.8	1573.0	2905.4	3267.2	3323.0
55°	371.7	351.9	333.3	403.4	408.9	444.1	1398.1	3063.7	3754.4	3872.4
57.5°	364.6	332.9	338.4	393.9	376.0	467.5	1033.5	3007.1	3949.2	4168.5
60°	351.1	314.7	347.9	368.1	342.4	427.5	711.7	2754.6	3747.3	3972.9
62.5°	331.7	302.0	346.7	334.9	330.1	349.9	489.2	2401.1	3427.1	3647.6
65°	309.9	291.7	328.1	302.8	305.6	269.2	346.0	2002.1	3044.7	3261.6
67.5°	286.6	285.4	300.8	269.6	258.1	213.4	252.1	1604.7	2553.5	2749.0
70°	260.1	268.8	273.5	239.5	209.4	167.4	187.2	1122.2	1883.8	2054.0
72.5°	233.5	234.3	241.1	208.2	156.7	134.2	140.5	679.6	1279.7	1403.6
75°	206.6	199.1	205.4	169.4	116.8	110.0	108.5	420.0	883.9	981.7
77.5°	177.7	169.4	161.1	127.5	93.8	85.1	83.1	235.5	542.3	602.5
80°	144.5	133.4	120.3	93.4	68.5	61.0	60.6	114.8	270.4	301.2
82.5°	112.4	91.4	87.9	58.2	42.4	37.2	39.6	43.9	81.5	91.0
85°	78.8	66.5	46.7	23.4	19.0	15.4	15.0	13.1	21.8	24.1
87.5°	43.9	28.9	15.0	2.8	3.2	3.6	2.8	2.0	2.0	2.0
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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