

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: P630783

Luminaire Tested: GWS-SA1E-735-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630783
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-735-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3987.2 lumens
Efficiency: N/A
Efficacy: 68.3 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

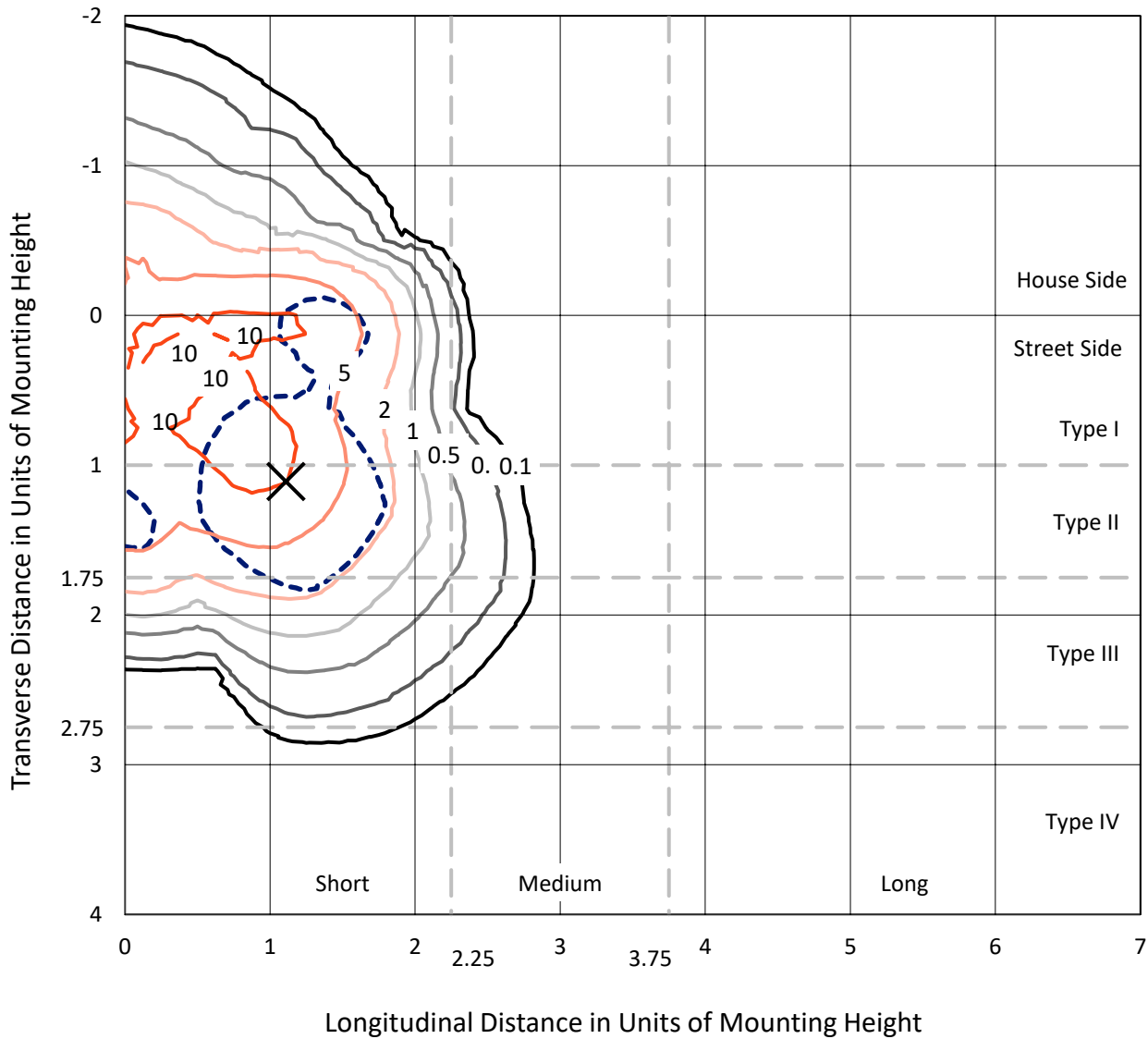
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

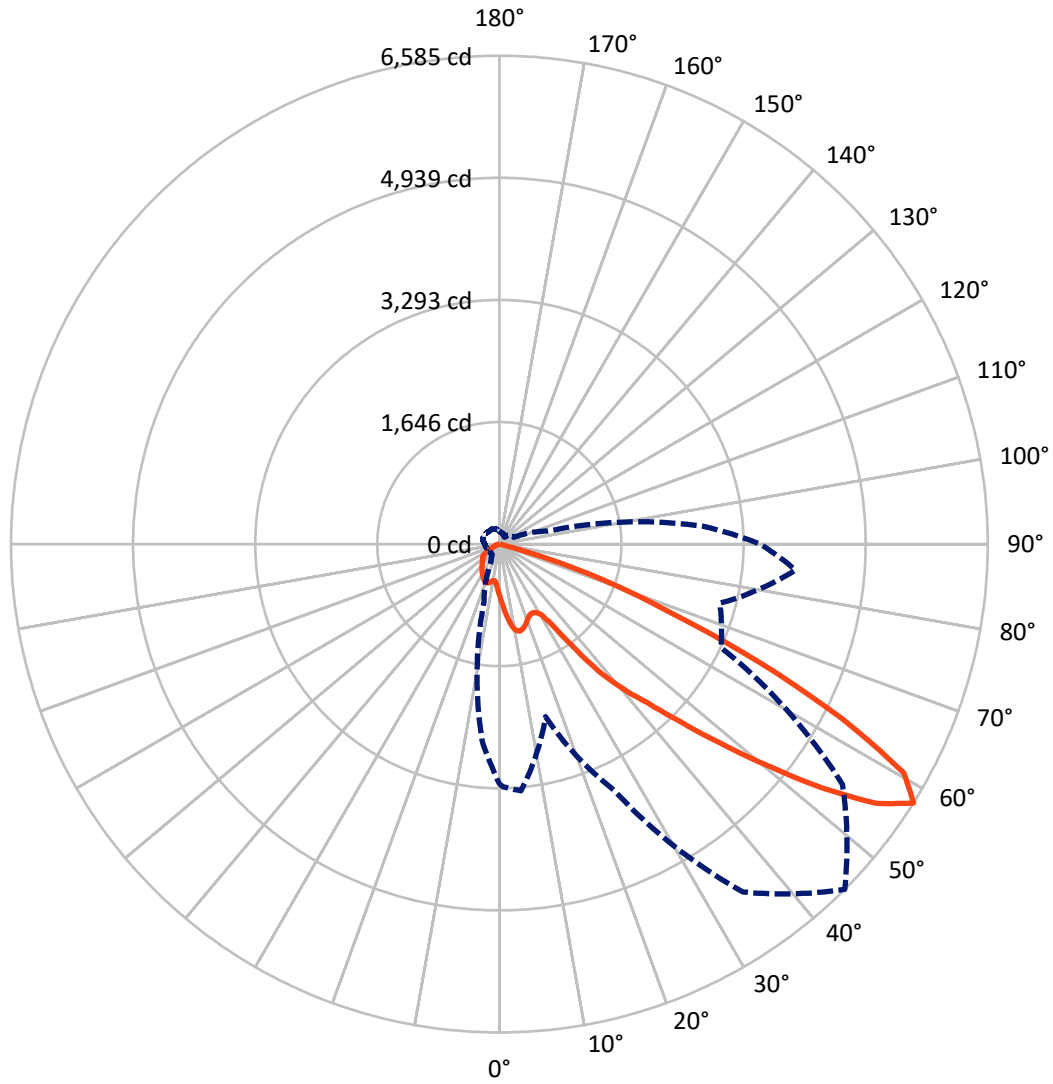
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	892.8	0.0	892.8
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	3094.4	0.0	3094.4
	% Fixture	77.6	0.0	77.6
Total	Lumens	3987.2	0.0	3987.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.9	1.7
10°-20°	223.0	5.6
20°-30°	362.3	9.1
30°-40°	559.8	14.0
40°-50°	897.6	22.5
50°-60°	1226.8	30.8
60°-70°	594.2	14.9
70°-80°	54.4	1.4
80°-90°	0.2	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°	3987.2	100.0
0°-180°	3987.2	100.0

Coefficient of Utilization



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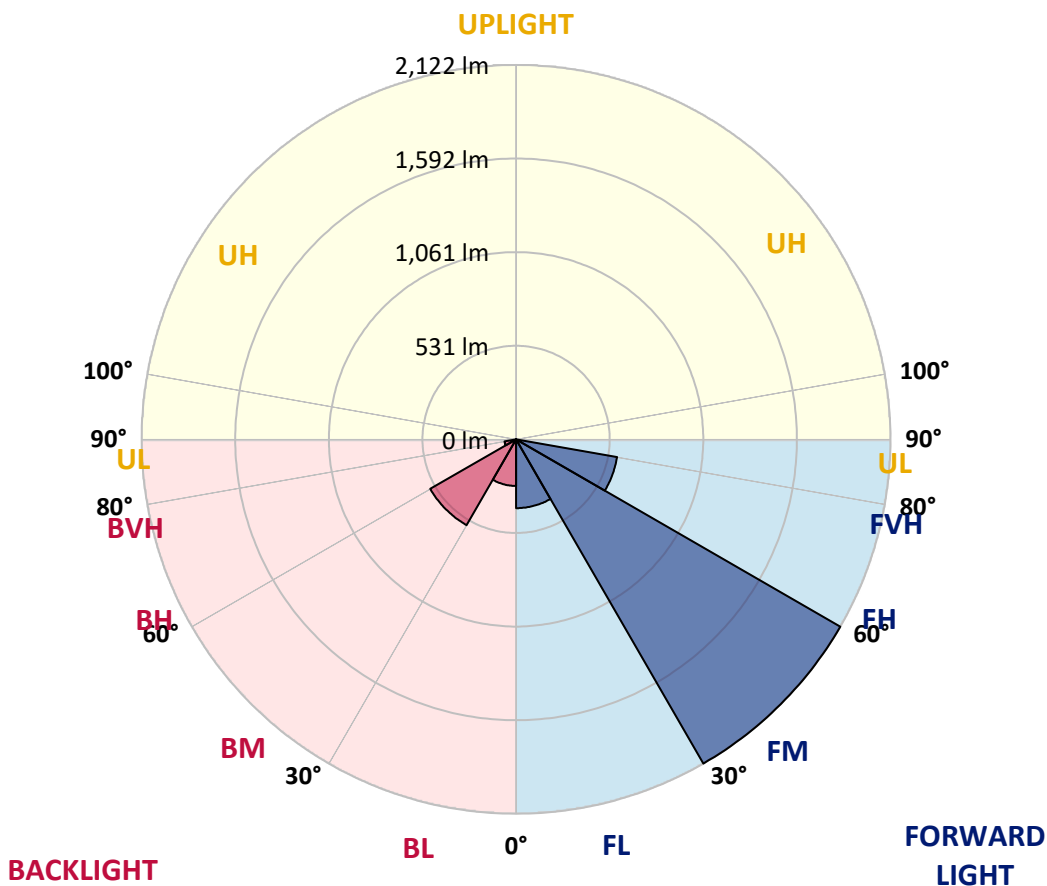
CATALOG NUMBER: GWS-SA1E-735-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	390.1	9.8			
FM (30°-60°)	2122.5	53.2			
FH (60°-80°)	581.7	14.6			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	264.2	6.6	B1/500		
BM (30°-60°)	561.7	14.1	B1/1000		
BH (60°-80°)	66.9	1.7	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°	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8
2.5°	759.2	764.0	772.1	789.2	803.7	813.3	817.6	816.5	810.6	806.3	797.8
5°	840.6	840.6	856.2	895.3	925.3	944.0	953.7	947.8	936.0	917.2	888.3
7.5°	911.9	914.6	940.8	996.5	1042.1	1068.9	1084.4	1081.2	1060.3	1024.4	966.5
10°	967.6	970.8	1005.6	1073.7	1127.3	1154.6	1177.6	1179.8	1156.7	1109.1	1042.6
12.5°	1021.7	1024.9	1061.4	1126.7	1173.9	1185.1	1205.5	1213.5	1207.6	1173.9	1104.8
15°	1080.1	1087.6	1118.7	1167.5	1187.3	1173.9	1187.3	1201.7	1221.6	1218.4	1156.2
17.5°	1137.4	1142.8	1174.4	1191.6	1169.6	1134.8	1141.2	1158.3	1203.3	1247.3	1207.1
20°	1190.5	1198.0	1224.2	1201.7	1135.3	1081.2	1081.7	1104.2	1172.8	1265.0	1259.1
22.5°	1246.2	1257.5	1276.2	1213.0	1103.7	1038.9	1041.5	1061.9	1148.7	1281.6	1318.0
25°	1319.1	1329.8	1342.1	1240.9	1093.5	1018.0	1028.2	1046.9	1148.7	1310.0	1390.9
27.5°	1417.7	1425.2	1425.7	1292.8	1111.2	1021.2	1042.6	1064.0	1183.0	1366.8	1488.4
30°	1541.4	1553.2	1537.7	1373.7	1166.4	1064.0	1095.7	1122.4	1256.9	1462.7	1632.0
32.5°	1692.0	1708.6	1687.7	1493.7	1281.6	1211.9	1269.3	1284.8	1374.8	1601.4	1794.8
35°	1868.8	1882.7	1860.2	1659.8	1550.5	1563.4	1667.3	1647.5	1611.6	1772.3	1985.0
37.5°	2062.7	2075.6	2032.2	1911.6	1948.1	2003.8	2169.9	2101.8	1986.1	1992.5	2191.3
40°	2240.6	2254.5	2186.5	2185.4	2260.4	2362.2	2562.6	2468.8	2311.3	2280.8	2384.7
42.5°	2424.9	2434.6	2372.9	2331.2	2501.5	2711.0	2923.2	2796.7	2526.7	2493.5	2626.9
45°	2688.0	2708.3	2598.5	2402.9	2718.5	3112.3	3408.1	3161.1	2673.5	2646.7	2997.7
47.5°	3074.8	3089.8	2865.9	2448.0	2920.5	3612.2	4014.0	3633.6	2802.6	2741.6	3504.5
50°	3394.7	3404.8	3111.8	2497.2	3135.4	4151.2	4704.6	4194.0	2947.8	2898.5	3977.6
52.5°	3630.4	3669.0	3434.9	2598.5	3417.7	4785.0	5469.2	4857.9	3174.5	3201.8	4369.8
55°	3679.2	3731.7	3655.6	2660.7	3666.3	5430.6	6175.3	5452.0	3400.6	3431.6	4501.6
57.5°	3233.4	3275.2	3338.4	2409.9	3660.4	5726.4	6585.2	5649.2	3297.7	3077.5	4008.1
60°	2422.2	2451.2	2565.8	1842.0	3366.3	5464.9	6265.9	5313.8	2883.5	2348.3	3053.9
62.5°	1436.4	1449.3	1594.5	1193.2	2794.1	4706.2	5196.5	4585.2	2278.6	1579.5	1870.4
65°	551.3	546.0	656.9	588.8	2054.7	3748.8	3865.1	3495.4	1563.4	723.8	713.1
67.5°	85.2	81.4	109.8	174.1	1482.0	2598.0	2550.3	2519.2	979.4	168.8	147.3
70°	19.3	19.3	23.6	51.4	905.5	1526.4	1633.6	1557.5	626.9	35.9	19.3
72.5°	9.1	9.1	11.3	22.0	327.9	629.0	732.9	721.7	203.6	11.8	7.0
75°	3.2	3.8	3.8	4.8	19.8	32.7	75.0	53.6	12.9	0.0	0.0
77.5°	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.5	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	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°	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8
2.5°	779.0	775.3	761.3	742.6	724.4	708.3	691.7	671.9	657.4	640.8	635.4
5°	865.8	842.2	804.2	764.6	728.1	697.0	667.0	634.9	611.3	587.7	579.7
7.5°	939.2	904.4	842.8	783.3	733.5	689.5	646.1	602.2	567.9	540.1	531.5
10°	1005.1	964.9	882.4	809.0	746.3	695.4	642.9	587.7	543.3	510.1	502.0
12.5°	1061.9	1015.3	916.2	828.3	751.7	693.3	642.4	598.5	558.3	520.2	510.1
15°	1109.6	1058.2	944.6	841.2	743.7	666.5	622.0	615.1	611.9	570.1	550.2
17.5°	1156.2	1098.3	967.6	847.1	721.2	619.4	587.2	618.8	652.6	625.2	600.1
20°	1205.0	1139.1	991.2	848.1	683.6	566.3	561.0	610.8	653.6	645.1	621.5
22.5°	1262.3	1190.0	1020.7	847.6	636.5	521.3	541.7	595.2	630.1	629.5	610.8
25°	1345.3	1254.2	1060.3	850.8	585.1	486.5	520.2	569.0	597.4	596.3	580.8
27.5°	1434.3	1330.9	1111.7	858.8	541.1	466.1	495.1	533.1	557.7	556.7	543.3
30°	1559.1	1419.3	1161.0	859.4	509.5	455.4	467.2	493.4	517.0	514.3	504.2
32.5°	1710.7	1518.9	1202.3	828.8	489.7	445.2	438.3	451.7	469.9	466.1	463.4
35°	1894.0	1637.3	1237.6	761.9	459.2	424.9	406.1	408.8	421.7	423.8	422.7
37.5°	2102.9	1778.2	1281.6	673.5	417.9	395.4	370.2	368.1	375.6	382.5	387.9
40°	2309.2	1936.8	1341.0	584.0	380.4	357.9	333.8	328.4	331.6	344.0	355.2
42.5°	2541.2	2120.6	1405.3	507.4	354.7	316.6	293.6	283.4	292.5	312.4	325.8
45°	2875.5	2378.3	1468.0	446.3	344.0	280.2	249.1	248.1	258.2	284.0	299.0
47.5°	3344.8	2711.6	1509.3	398.6	343.4	251.8	214.8	221.3	233.1	258.2	275.4
50°	3802.4	3128.9	1463.7	362.2	332.2	233.1	189.1	202.0	213.8	235.7	253.4
52.5°	4078.3	3353.4	1286.4	327.9	297.4	224.5	163.9	186.4	188.6	208.4	227.2
55°	4049.4	3208.2	985.3	274.9	245.9	212.2	137.7	168.2	169.3	184.3	200.4
57.5°	3514.7	2754.4	676.7	222.9	184.8	175.2	113.6	142.0	152.2	161.3	173.1
60°	2619.4	2009.7	301.6	181.1	117.3	118.4	97.0	107.2	122.7	133.4	143.6
62.5°	1543.6	1156.2	122.7	108.8	64.8	74.5	78.2	78.2	87.9	95.9	102.3
65°	583.5	404.5	49.8	54.6	33.8	34.8	46.1	56.8	64.3	71.3	79.8
67.5°	102.3	70.7	25.7	20.4	19.8	17.7	23.6	37.0	41.3	46.6	50.4
70°	17.1	14.5	10.7	10.2	9.1	9.6	15.5	26.3	28.9	30.5	32.1
72.5°	4.8	4.3	3.2	2.7	2.1	2.7	9.6	20.4	21.4	22.5	24.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	14.5	15.5	16.1	17.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	4.3	5.4	4.3
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8
2.5°	632.2	621.5	615.6	612.4	612.4	608.1	603.3	601.7	608.6	608.6	620.4
5°	569.5	561.0	551.3	545.4	536.3	537.9	532.6	532.0	539.0	542.2	554.5
7.5°	526.1	515.4	509.5	505.8	500.9	498.8	494.0	492.4	496.1	501.5	513.3
10°	497.2	495.6	495.1	497.7	497.7	495.1	490.8	488.1	489.2	499.3	512.7
12.5°	504.7	507.9	509.0	513.3	515.4	513.3	510.1	511.1	518.1	536.8	556.7
15°	537.4	534.7	533.6	535.8	537.4	535.2	534.2	542.2	566.3	593.1	615.6
17.5°	572.2	555.1	547.6	547.6	548.6	547.6	548.6	564.2	603.3	630.1	646.7
20°	589.9	558.3	546.5	543.8	546.0	546.5	550.2	567.9	610.8	629.5	633.3
22.5°	584.5	544.9	531.5	529.3	531.5	533.6	537.4	552.4	592.6	602.2	600.6
25°	557.7	518.6	507.9	507.9	512.7	512.2	513.8	524.5	557.7	563.6	561.0
27.5°	524.0	487.0	477.9	483.3	487.6	486.5	487.0	496.1	520.8	522.4	519.7
30°	489.7	457.6	449.0	455.4	461.3	460.2	460.8	469.9	485.4	483.8	480.1
32.5°	454.9	431.3	424.9	428.6	437.7	436.7	438.8	448.4	454.3	447.4	443.1
35°	422.7	410.4	405.6	407.7	414.7	416.3	420.0	426.5	426.5	417.9	410.4
37.5°	392.7	391.1	387.9	385.2	391.7	396.5	401.8	409.3	398.6	386.3	379.3
40°	364.9	371.8	367.5	360.6	364.3	371.3	382.0	387.9	375.0	362.7	350.9
42.5°	339.1	350.9	349.3	340.8	344.0	350.4	362.7	367.5	352.5	338.6	327.4
45°	314.5	331.1	332.2	321.5	324.7	331.1	345.6	347.2	327.9	312.9	304.9
47.5°	293.1	311.3	311.8	303.8	304.9	314.0	327.4	327.9	305.9	292.0	281.8
50°	272.7	293.6	295.2	288.2	289.3	300.0	311.3	309.1	285.6	271.1	262.0
52.5°	248.1	276.5	280.2	277.0	281.3	289.9	296.8	289.3	262.0	247.5	239.5
55°	221.3	258.2	266.3	264.1	269.0	275.9	277.5	272.7	238.4	224.0	216.5
57.5°	190.2	212.7	226.6	222.3	226.1	233.1	237.9	234.1	208.4	197.2	190.7
60°	157.5	172.5	175.7	168.8	165.6	177.9	189.1	184.3	162.3	155.4	147.9
62.5°	115.2	132.3	134.5	125.4	121.6	135.0	144.7	139.8	115.7	108.2	102.3
65°	92.2	108.2	112.5	103.9	101.8	112.0	117.9	106.1	88.9	80.9	74.5
67.5°	60.5	73.4	84.7	84.1	79.8	83.0	78.8	69.1	56.8	52.5	48.2
70°	37.5	45.0	52.0	54.6	54.1	53.0	47.1	40.2	36.4	34.8	32.7
72.5°	28.9	36.4	41.8	43.4	43.9	42.3	37.5	31.1	27.3	25.2	23.6
75°	21.4	27.3	31.6	33.8	34.8	33.8	28.9	24.6	20.9	19.3	17.7
77.5°	7.5	9.1	11.3	12.3	11.8	11.3	10.2	10.2	8.0	7.5	6.4
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8	700.8
2.5°	633.8	643.5	661.1	677.2	694.4	712.0	731.3	751.2	760.3	759.2
5°	573.3	594.2	623.1	654.7	690.1	728.1	770.4	813.8	832.6	840.6
7.5°	535.2	564.7	602.7	642.9	689.5	743.7	807.4	875.5	902.8	911.9
10°	540.1	574.4	606.0	645.1	694.9	765.1	844.4	925.3	957.4	967.6
12.5°	579.2	586.7	595.2	627.4	690.1	781.2	878.1	974.6	1011.5	1021.7
15°	614.5	579.7	563.6	593.1	672.9	792.4	912.4	1027.6	1068.3	1080.1
17.5°	616.1	563.6	527.7	550.8	645.1	797.2	946.2	1081.7	1126.2	1137.4
20°	596.3	546.0	499.9	500.4	607.0	796.2	974.0	1130.5	1180.3	1190.5
22.5°	567.4	525.1	477.4	460.8	566.3	794.0	1004.6	1182.5	1236.6	1246.2
25°	535.2	498.3	455.9	430.8	525.6	796.2	1047.4	1250.5	1310.0	1319.1
27.5°	500.4	468.8	439.3	419.0	491.3	804.2	1098.9	1337.3	1408.0	1417.7
30°	464.0	440.4	428.6	416.3	469.9	806.3	1154.6	1438.6	1528.0	1541.4
32.5°	428.1	415.2	415.8	417.9	449.5	791.3	1205.5	1551.1	1670.5	1692.0
35°	394.9	391.1	401.8	412.5	420.0	752.8	1250.0	1683.9	1846.8	1868.8
37.5°	366.5	369.7	383.1	393.8	387.9	698.1	1308.9	1850.0	2044.0	2062.7
40°	339.1	347.2	362.7	367.5	363.3	634.4	1379.6	2010.2	2214.9	2240.6
42.5°	314.0	319.9	341.8	342.9	356.3	569.5	1447.7	2182.7	2411.5	2424.9
45°	293.6	292.5	315.0	322.0	365.4	497.7	1514.1	2412.6	2668.7	2688.0
47.5°	273.8	272.7	278.1	309.7	369.1	431.3	1580.0	2749.1	3041.6	3074.8
50°	255.0	256.6	240.0	303.8	348.8	380.4	1610.0	3060.3	3380.7	3394.7
52.5°	238.4	232.5	203.6	284.5	305.4	332.2	1524.8	3201.8	3590.8	3630.4
55°	214.8	182.2	167.7	230.9	241.1	289.9	1248.9	3119.8	3609.0	3679.2
57.5°	183.8	143.1	142.5	170.4	170.4	269.0	799.9	2665.5	3110.2	3233.4
60°	141.4	110.9	117.9	118.4	109.3	196.1	449.0	1930.9	2299.5	2422.2
62.5°	100.7	84.7	88.9	70.7	62.7	98.0	215.4	1111.7	1419.3	1436.4
65°	67.5	57.3	46.6	39.1	38.6	41.8	88.9	401.8	488.6	551.3
67.5°	44.5	34.8	24.6	24.6	27.9	27.9	33.8	66.4	93.2	85.2
70°	28.9	24.1	15.5	15.0	18.2	18.2	17.1	18.2	19.3	19.3
72.5°	21.4	18.2	9.1	8.0	10.2	10.7	9.6	9.1	9.1	9.1
75°	16.1	12.9	5.4	3.8	4.8	6.4	5.4	3.8	3.8	3.2
77.5°	6.4	4.8	2.1	1.6	2.7	3.8	3.2	1.6	1.1	1.1
80°	0.5	1.1	1.1	1.1	1.6	2.1	2.7	1.1	0.5	0.5
82.5°	0.0	0.5	0.5	0.5	1.1	1.6	2.1	1.1	0.5	0.5
85°	0.0	0.0	0.0	0.0	1.1	1.6	1.1	0.5	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.5	1.6	1.1	0.5	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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