

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: P630346

Luminaire Tested: GWS-SA1D-740-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630346
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-740-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5741.4 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

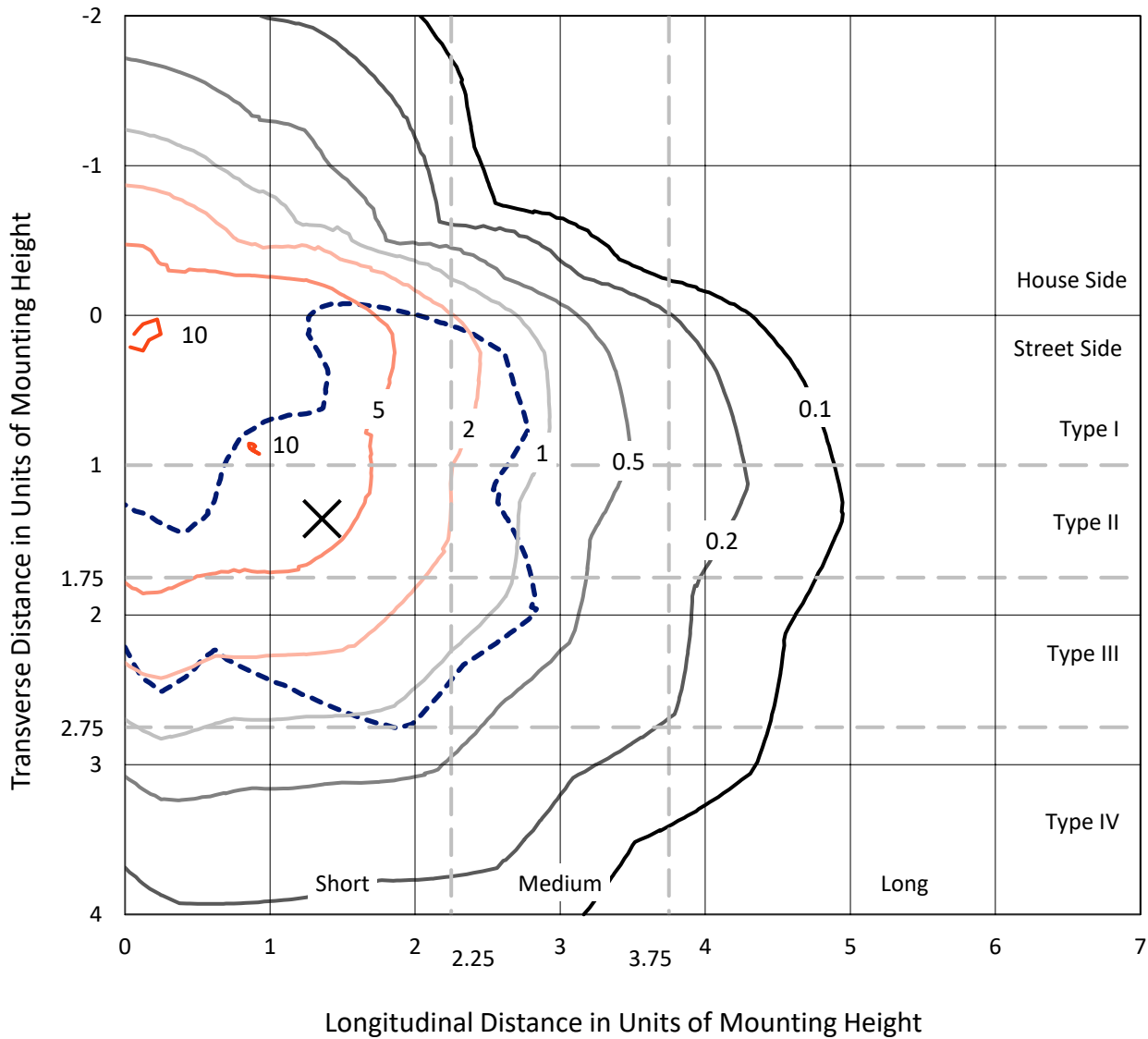
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

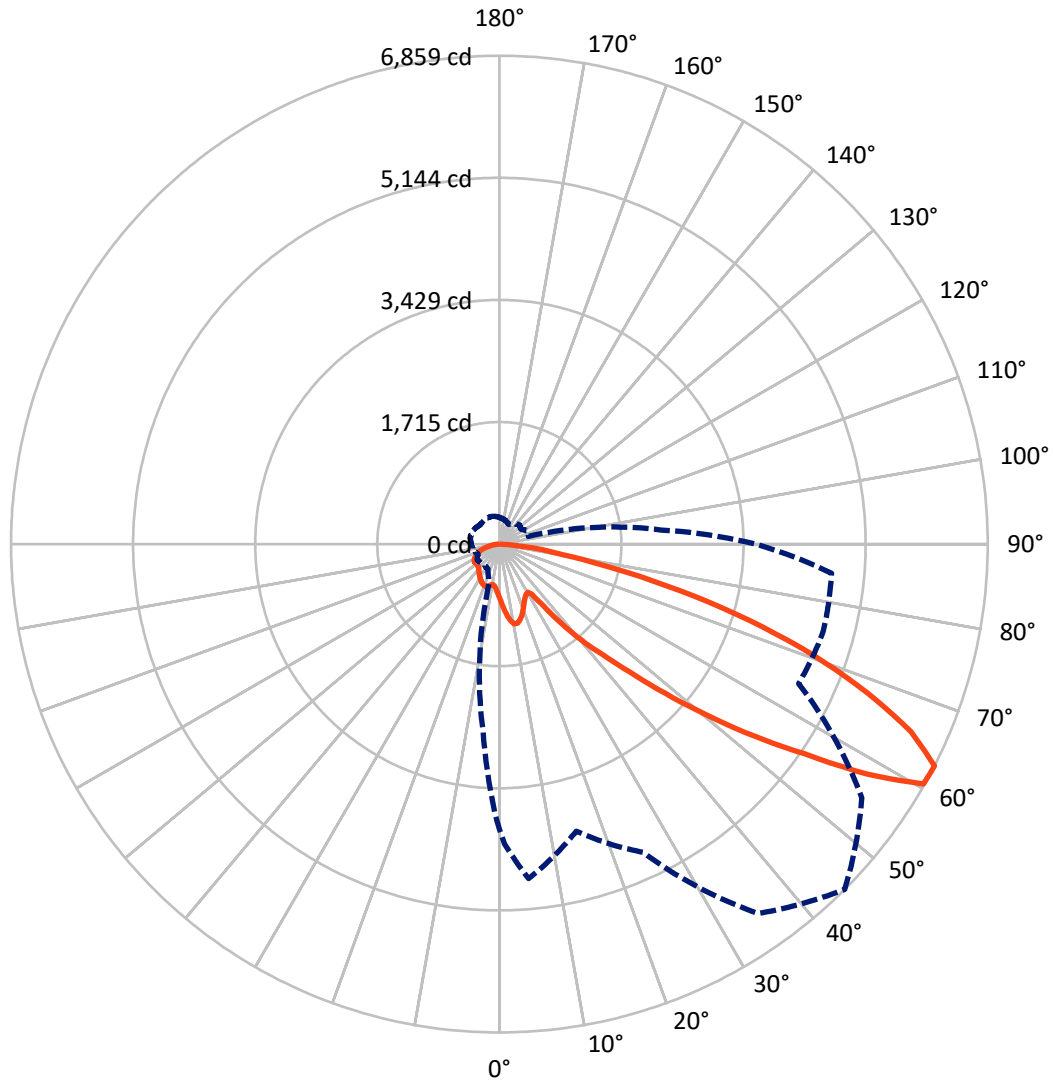
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.9 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	1370.0	0.0	1370.0
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	4371.4	0.0	4371.4
	% Fixture	76.1	0.0	76.1
Total	Lumens	5741.4	0.0	5741.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.4	1.3
10°-20°	233.3	4.1
20°-30°	362.4	6.3
30°-40°	492.0	8.6
40°-50°	779.7	13.6
50°-60°	1375.5	24.0
60°-70°	1530.4	26.7
70°-80°	776.2	13.5
80°-90°	117.5	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°	5741.4	100.0
0°-180°	5741.4	100.0

Coefficient of Utilization



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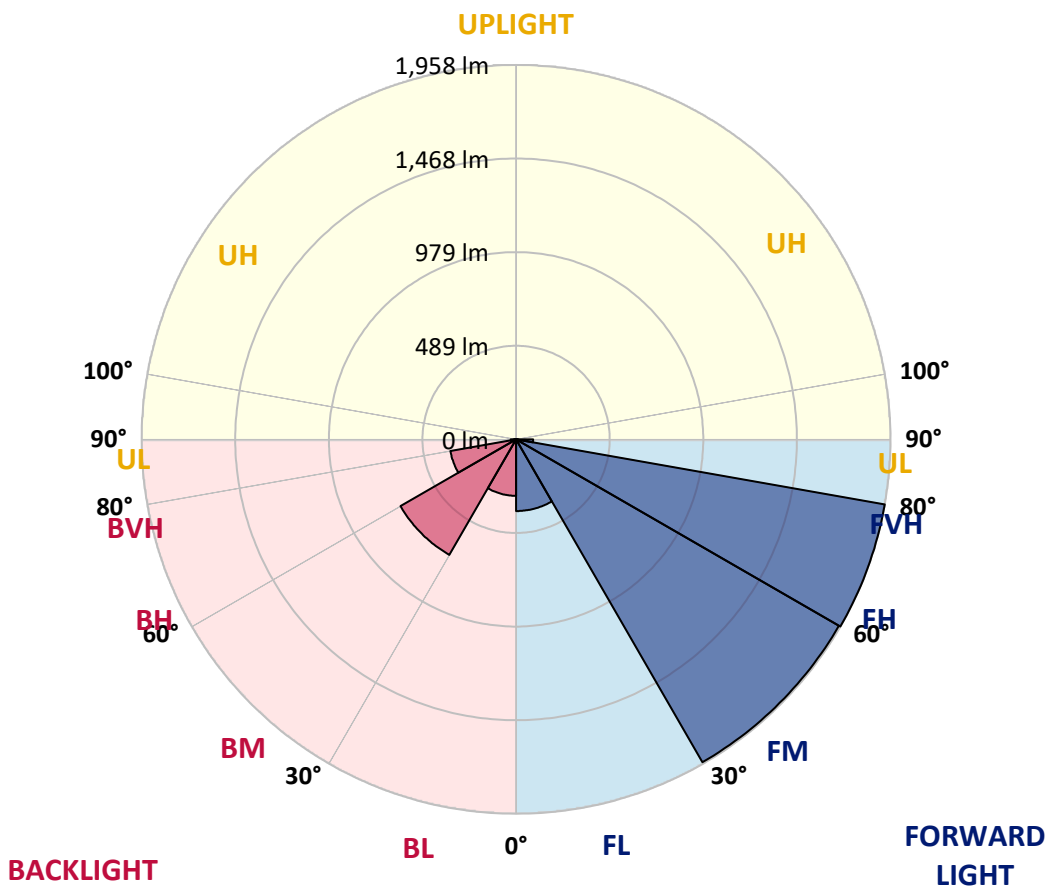
CATALOG NUMBER: GWS-SA1D-740-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	374.9	6.5			
FM (30°-60°)	1949.5	34.0			
FH (60°-80°)	1957.9	34.1			G2/5000
FVH (80°-90°)	89.2	1.6			G1/100
BL (0°-30°)	295.2	5.1	B1/500		
BM (30°-60°)	697.8	12.2	B1/1000		
BH (60°-80°)	348.7	6.1	B1/500		G1/500
BVH (80°-90°)	28.3	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	762.0	762.0	762.0	762.0	762.0	762.0	762.0	762.0	762.0	762.0	762.0
2.5°	818.9	818.5	826.8	839.4	851.1	856.3	865.0	864.2	857.2	848.1	845.0
5°	883.3	885.0	899.4	927.2	958.0	971.1	976.7	974.6	962.0	945.9	917.6
7.5°	941.5	944.6	966.7	1008.5	1046.7	1064.1	1078.0	1075.4	1057.2	1027.2	985.4
10°	984.1	987.6	1014.1	1063.2	1105.8	1121.0	1138.9	1139.7	1123.7	1083.2	1040.6
12.5°	1026.7	1030.2	1055.0	1099.8	1127.6	1128.0	1138.4	1144.1	1145.0	1126.3	1083.7
15°	1071.1	1074.1	1096.7	1121.9	1120.6	1096.3	1096.3	1107.1	1131.0	1144.5	1115.0
17.5°	1108.9	1112.8	1130.2	1121.9	1083.2	1039.3	1034.1	1048.0	1089.8	1141.5	1138.4
20°	1140.2	1143.2	1152.8	1098.0	1027.6	970.2	960.2	976.3	1032.8	1122.8	1156.3
22.5°	1170.2	1171.9	1166.7	1066.7	967.6	902.0	889.8	906.8	967.6	1089.8	1171.5
25°	1205.8	1204.1	1179.3	1034.1	912.8	848.1	835.5	854.6	918.1	1045.8	1188.0
27.5°	1247.1	1240.6	1190.2	998.9	870.7	808.1	799.4	819.8	878.9	1005.4	1201.0
30°	1282.3	1269.7	1191.9	967.6	848.9	791.1	785.9	805.0	859.8	978.0	1217.5
32.5°	1321.4	1304.1	1201.9	959.3	861.1	832.0	838.9	840.2	865.0	970.2	1242.3
35°	1377.5	1354.9	1229.3	983.3	986.3	1035.4	1060.6	1026.7	943.7	987.6	1289.3
37.5°	1462.3	1433.6	1284.9	1086.7	1244.9	1354.9	1415.8	1338.4	1182.8	1053.2	1360.1
40°	1565.3	1528.8	1356.2	1278.0	1486.6	1662.7	1770.9	1657.5	1428.8	1217.1	1459.7
42.5°	1709.2	1670.9	1494.4	1465.8	1710.5	1972.6	2113.9	1944.8	1645.7	1428.8	1619.2
45°	1960.0	1923.0	1747.9	1654.0	1972.6	2354.2	2552.5	2317.3	1866.1	1641.4	1917.4
47.5°	2423.4	2379.9	2124.3	1862.6	2271.7	2849.8	3127.1	2784.6	2095.2	1884.8	2418.1
50°	2979.8	2938.0	2596.8	2109.5	2602.0	3379.7	3765.2	3333.6	2359.0	2180.8	3016.7
52.5°	3649.2	3641.3	3271.0	2421.6	2945.9	3944.8	4473.3	3941.7	2648.1	2579.4	3694.8
55°	4252.5	4329.0	4127.3	2897.6	3390.1	4654.6	5201.4	4605.0	3040.2	3238.4	4489.0
57.5°	4577.7	4783.3	5093.2	3868.7	4036.0	5503.1	6099.9	5414.9	3713.9	4335.5	5225.3
60°	4362.9	4595.9	5157.5	4599.8	4676.8	6182.9	6841.5	6095.6	4375.5	5097.1	5183.6
62.5°	4005.6	4214.7	4714.1	4173.0	4775.9	6332.5	6858.9	6214.2	4638.5	4710.7	4682.4
65°	3581.8	3792.6	4321.6	3642.7	4460.7	5977.3	6352.9	5865.2	4166.0	4256.0	4266.4
67.5°	3018.9	3213.6	3752.2	3238.8	4066.0	5456.2	5576.1	5367.9	3836.5	3980.0	3830.0
70°	2255.6	2431.2	2906.7	2632.0	3427.5	4777.2	4680.2	4711.1	3466.6	3609.2	3199.3
72.5°	1541.4	1673.5	2081.3	2068.2	2624.6	3824.3	3689.2	3981.7	2895.4	3084.5	2439.0
75°	1078.0	1181.0	1504.4	1634.0	1983.9	2834.6	2627.2	2980.2	2261.2	2531.2	1779.6
77.5°	661.6	729.8	950.2	1210.6	1276.2	1940.0	1631.8	2242.5	1587.9	1846.1	1187.1
80°	330.8	363.8	461.6	761.1	846.3	1143.2	901.1	1301.9	1074.5	1143.2	656.8
82.5°	100.0	110.4	135.2	289.1	438.6	658.1	532.5	756.4	586.8	536.0	258.6
85°	26.5	30.0	37.4	85.6	153.9	236.0	180.0	366.4	281.2	197.8	97.4
87.5°	2.2	2.2	1.7	1.7	0.9	0.0	0.0	26.1	52.6	30.0	17.0
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°	762.0	762.0	762.0	762.0	762.0	762.0	762.0	762.0	762.0	762.0	762.0
2.5°	829.8	828.1	810.3	797.2	782.0	767.2	752.0	738.5	723.3	708.1	703.8
5°	896.8	884.6	846.8	815.0	783.7	756.4	732.4	707.7	687.7	668.1	660.7
7.5°	955.9	934.6	879.8	831.6	788.1	754.2	719.0	682.9	654.6	626.8	619.9
10°	1009.3	981.1	912.0	851.1	802.9	764.2	722.9	674.6	633.8	599.9	590.7
12.5°	1048.9	1018.0	939.8	869.8	815.0	771.6	730.7	688.1	645.1	601.2	591.2
15°	1080.2	1048.0	962.8	884.1	815.5	759.4	719.8	705.1	691.6	648.5	630.3
17.5°	1105.4	1071.5	982.8	892.8	803.7	722.4	688.1	709.8	744.2	717.2	682.9
20°	1128.4	1094.1	998.0	898.9	777.6	671.6	652.5	698.5	750.3	749.4	718.5
22.5°	1153.7	1120.2	1020.2	902.4	741.1	619.9	631.2	682.0	724.2	736.8	717.7
25°	1185.8	1156.3	1051.1	910.2	699.8	584.2	615.5	660.7	695.9	699.0	687.7
27.5°	1223.2	1201.0	1097.1	928.5	659.9	566.0	597.3	630.7	662.9	664.2	650.7
30°	1264.1	1249.3	1139.7	943.7	629.9	560.3	573.8	600.7	621.2	624.6	612.9
32.5°	1316.2	1303.2	1177.6	933.7	612.0	559.0	552.0	566.0	582.9	582.9	573.8
35°	1387.9	1369.7	1217.5	895.4	590.3	553.8	529.0	532.9	540.3	541.6	536.4
37.5°	1489.7	1459.7	1258.0	819.8	554.7	535.1	502.5	497.7	500.3	503.8	502.5
40°	1615.7	1566.6	1317.1	729.0	512.1	499.0	475.1	466.0	463.8	470.8	473.4
42.5°	1774.4	1699.2	1380.6	644.2	473.4	457.7	442.9	435.1	431.6	443.4	450.3
45°	2027.8	1903.9	1441.4	560.3	451.6	422.5	412.5	406.9	408.6	422.5	431.2
47.5°	2465.5	2216.5	1499.2	507.3	449.9	397.3	385.1	386.4	391.2	406.0	416.4
50°	3019.3	2635.1	1537.9	485.1	455.1	382.1	366.0	373.0	380.3	394.7	406.9
52.5°	3583.1	3025.0	1491.8	472.9	454.7	382.5	348.2	369.0	372.5	386.9	399.9
55°	3970.8	3068.4	1288.8	454.2	447.7	399.9	334.3	367.3	369.5	382.5	394.3
57.5°	4118.6	2919.8	982.8	459.5	426.9	413.4	328.2	355.1	370.8	382.1	394.3
60°	3940.0	2639.4	597.3	472.9	393.4	412.5	332.1	333.0	359.9	379.0	391.2
62.5°	3603.1	2279.5	419.5	434.7	369.0	389.5	341.2	306.9	340.8	363.8	374.7
65°	3217.1	1856.1	319.9	374.3	357.3	353.8	344.3	283.8	314.7	337.3	346.9
67.5°	2815.0	1442.7	259.9	279.1	323.0	319.9	314.7	263.4	283.8	299.9	310.8
70°	2308.6	1009.3	219.5	209.5	276.9	286.9	275.2	237.8	244.3	260.8	269.5
72.5°	1688.7	629.0	180.4	173.0	222.6	250.8	244.7	209.5	212.6	228.2	235.2
75°	1214.5	359.9	144.7	142.6	170.0	214.7	202.6	180.4	183.9	195.6	200.4
77.5°	772.0	200.4	111.7	114.8	121.7	160.4	173.0	154.3	154.3	161.3	165.2
80°	413.4	114.8	81.7	83.0	85.2	122.6	136.5	119.5	119.5	114.8	119.5
82.5°	168.7	66.1	56.1	52.2	56.9	83.9	95.6	76.1	79.5	71.7	73.5
85°	55.6	33.0	27.8	27.4	27.0	36.9	46.1	37.8	45.2	28.7	30.0
87.5°	7.4	6.1	3.5	2.6	3.0	1.3	2.6	3.0	3.0	2.2	2.2
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°	762.0	762.0	762.0	762.0	762.0	762.0	762.0	762.0	762.0	762.0	762.0
2.5°	700.7	697.2	684.6	687.7	685.5	682.0	685.5	679.0	684.2	685.9	696.8
5°	655.1	646.8	634.6	628.6	627.2	623.8	624.2	621.2	622.0	629.4	641.6
7.5°	614.2	606.4	596.8	592.5	588.6	584.6	584.2	583.8	587.3	593.8	605.5
10°	584.6	580.3	576.4	578.1	576.4	574.7	571.6	571.6	577.3	589.0	603.3
12.5°	584.6	583.8	584.6	589.9	589.4	589.9	586.0	588.1	603.8	623.8	644.2
15°	615.9	609.0	609.0	611.6	610.7	610.7	610.7	619.9	655.5	686.4	708.1
17.5°	654.2	633.8	625.1	623.8	623.3	623.3	625.1	644.6	700.3	732.9	745.5
20°	680.7	642.0	627.7	622.0	622.5	623.3	628.6	655.5	716.8	733.3	730.3
22.5°	685.5	635.5	618.1	609.9	611.2	612.0	619.9	648.5	694.2	696.8	690.7
25°	663.3	617.3	598.6	592.0	593.8	593.3	600.3	621.2	653.8	652.9	649.4
27.5°	630.3	588.1	574.2	569.9	572.9	569.4	571.6	587.7	612.9	612.0	610.7
30°	596.4	559.9	547.3	545.1	549.0	543.8	544.2	557.7	575.1	574.2	573.8
32.5°	562.5	531.6	520.3	520.3	524.2	518.6	519.4	531.2	542.9	539.4	539.4
35°	530.3	508.6	499.5	497.7	500.8	496.8	498.6	509.4	513.8	509.0	506.0
37.5°	502.1	492.5	483.4	477.3	477.7	478.2	483.4	491.6	489.0	482.1	478.2
40°	476.0	476.0	467.3	456.0	454.7	457.7	466.4	475.5	468.2	460.3	455.5
42.5°	457.3	461.2	452.9	441.6	439.0	444.2	453.8	460.3	451.6	442.9	436.4
45°	439.9	449.5	443.8	431.2	427.7	433.8	446.0	448.6	436.9	428.6	423.8
47.5°	427.7	440.8	436.9	424.7	419.5	428.2	440.8	440.3	425.6	416.9	412.9
50°	419.0	435.6	435.1	424.7	419.0	429.9	441.2	435.6	419.5	410.3	406.4
52.5°	412.1	435.1	438.2	432.1	428.2	437.7	444.7	433.8	415.1	405.6	402.5
55°	409.0	436.9	439.0	433.4	429.9	438.6	444.7	437.3	415.1	406.4	403.8
57.5°	409.9	434.7	435.1	427.3	421.2	432.1	441.6	439.5	419.9	409.9	406.9
60°	404.7	422.9	423.8	411.6	404.7	417.7	434.7	433.4	417.7	407.3	401.6
62.5°	387.3	403.4	403.8	392.5	382.5	401.2	419.9	419.5	405.1	394.7	388.2
65°	358.2	375.1	379.5	368.6	360.8	380.8	400.3	399.5	385.1	375.6	369.0
67.5°	322.1	340.4	348.6	341.2	338.2	356.4	374.7	374.3	362.5	353.4	347.7
70°	278.2	293.4	307.3	307.3	305.1	326.0	345.6	343.8	333.0	326.0	321.7
72.5°	241.7	253.4	257.8	262.1	268.6	290.4	306.9	308.2	300.4	296.9	300.4
75°	205.6	213.0	216.9	213.4	224.7	247.3	269.1	271.2	263.0	257.3	258.6
77.5°	169.1	177.4	181.3	173.4	172.6	201.3	227.8	232.6	225.6	216.9	219.5
80°	122.1	133.0	139.5	134.3	132.6	145.2	181.7	186.9	180.4	173.4	177.4
82.5°	74.8	80.9	82.6	87.8	98.7	103.9	116.9	134.3	129.5	123.5	134.3
85°	29.6	35.2	39.1	44.3	51.7	61.3	72.2	86.1	78.2	75.6	89.1
87.5°	1.7	0.4	0.0	0.9	7.4	14.3	30.9	42.6	35.6	38.3	46.1
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	762.0	762.0	762.0	762.0	762.0	762.0	762.0	762.0	762.0	762.0
2.5°	705.5	716.8	732.0	744.6	760.7	775.9	791.6	807.2	815.5	818.9
5°	655.5	676.4	700.7	727.7	759.0	792.0	825.5	859.8	881.5	883.3
7.5°	625.5	655.5	689.0	722.9	761.6	807.2	860.2	913.3	935.4	941.5
10°	635.1	668.5	695.1	726.8	769.4	826.3	888.9	951.1	976.7	984.1
12.5°	673.3	679.8	688.1	717.2	769.4	842.9	918.5	992.4	1019.8	1026.7
15°	705.1	673.8	659.0	689.8	759.0	857.2	949.8	1031.5	1064.5	1071.1
17.5°	707.7	653.8	621.6	649.4	740.7	867.2	979.8	1075.0	1102.8	1108.9
20°	681.1	632.5	590.7	607.7	715.9	871.5	1001.5	1106.7	1134.1	1140.2
22.5°	651.2	615.1	569.9	569.0	685.9	876.3	1027.6	1136.7	1166.3	1170.2
25°	622.9	591.2	552.9	540.7	651.2	885.5	1062.8	1181.9	1204.5	1205.8
27.5°	589.9	565.5	539.4	527.7	620.7	902.8	1115.0	1235.8	1249.3	1247.1
30°	559.9	541.6	529.9	526.4	601.6	915.9	1164.5	1288.8	1289.7	1282.3
32.5°	528.1	521.2	521.2	532.5	586.0	912.8	1204.9	1340.6	1332.3	1321.4
35°	499.9	501.2	510.3	536.8	559.9	882.4	1243.6	1405.3	1393.2	1377.5
37.5°	472.9	482.9	496.0	521.6	525.5	837.2	1288.8	1497.1	1481.8	1462.3
40°	449.9	465.1	480.3	492.9	489.0	772.9	1351.9	1604.9	1587.9	1565.3
42.5°	431.6	446.4	463.4	464.7	466.0	705.9	1418.8	1737.0	1734.0	1709.2
45°	419.9	429.5	445.6	443.4	464.7	632.0	1480.5	1938.7	1978.7	1960.0
47.5°	412.1	419.5	421.2	430.3	476.0	566.0	1560.1	2333.4	2444.7	2423.4
50°	407.7	415.1	395.6	431.2	477.7	523.4	1670.1	2828.9	3008.0	2979.8
52.5°	407.3	405.6	376.0	440.3	468.2	497.3	1727.4	3190.6	3587.9	3649.2
55°	408.2	386.4	366.0	442.9	449.0	487.7	1535.3	3364.5	4123.0	4252.5
57.5°	400.3	365.6	371.7	432.5	412.9	513.4	1135.0	3302.3	4336.8	4577.7
60°	385.6	345.6	382.1	404.3	376.0	469.5	781.6	3025.0	4115.2	4362.9
62.5°	364.3	331.7	380.8	367.7	362.5	384.3	537.3	2636.8	3763.5	4005.6
65°	340.4	320.4	360.4	332.5	335.6	295.6	379.9	2198.6	3343.6	3581.8
67.5°	314.7	313.4	330.4	296.0	283.4	234.3	276.9	1762.2	2804.1	3018.9
70°	285.6	295.2	300.4	263.0	229.9	183.9	205.6	1232.3	2068.7	2255.6
72.5°	256.5	257.3	264.7	228.6	172.1	147.4	154.3	746.4	1405.3	1541.4
75°	226.9	218.6	225.6	186.0	128.2	120.8	119.1	461.2	970.6	1078.0
77.5°	195.2	186.0	176.9	140.0	103.0	93.5	91.3	258.6	595.5	661.6
80°	158.7	146.5	132.1	102.6	75.2	66.9	66.5	126.1	296.9	330.8
82.5°	123.5	100.4	96.5	63.9	46.5	40.9	43.5	48.2	89.5	100.0
85°	86.5	73.0	51.3	25.6	20.9	17.0	16.5	14.3	23.9	26.5
87.5°	48.2	31.7	16.5	3.0	3.5	3.9	3.0	2.2	2.2	2.2
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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