

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: P630401

Luminaire Tested: GWS-SA1D-750-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630401
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-750-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5873 lumens
Efficiency: N/A
Efficacy: 132.6 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

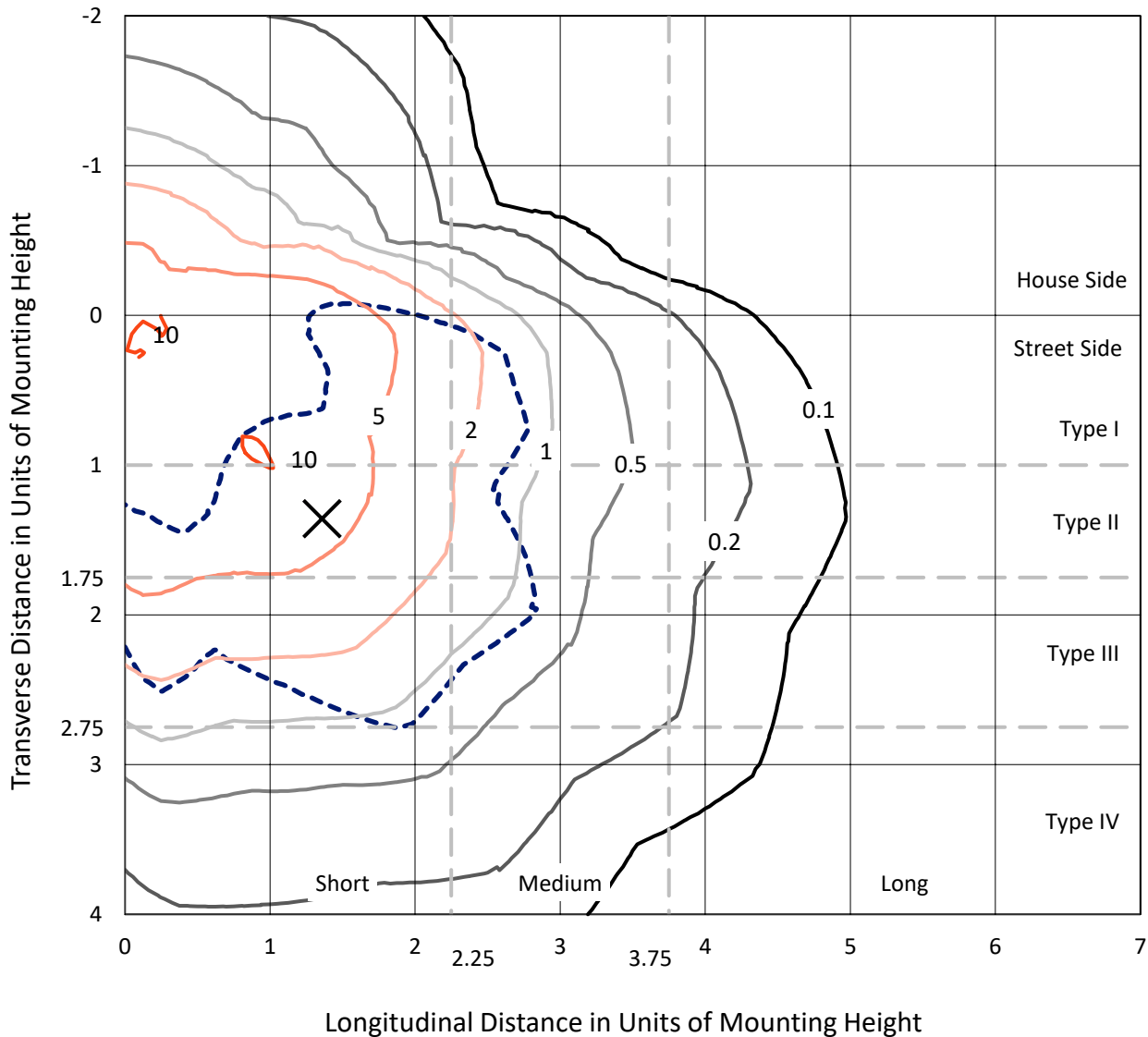
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

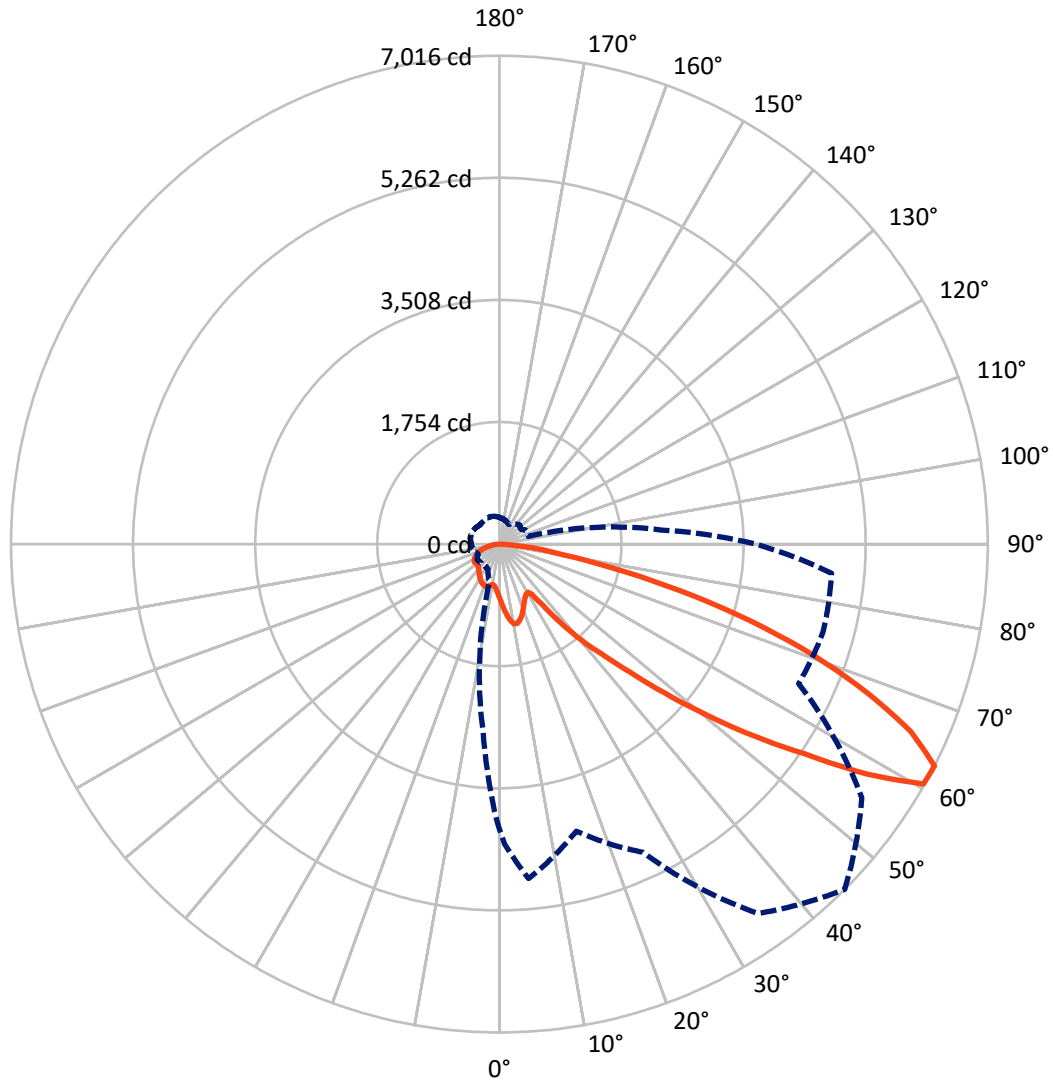
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.1 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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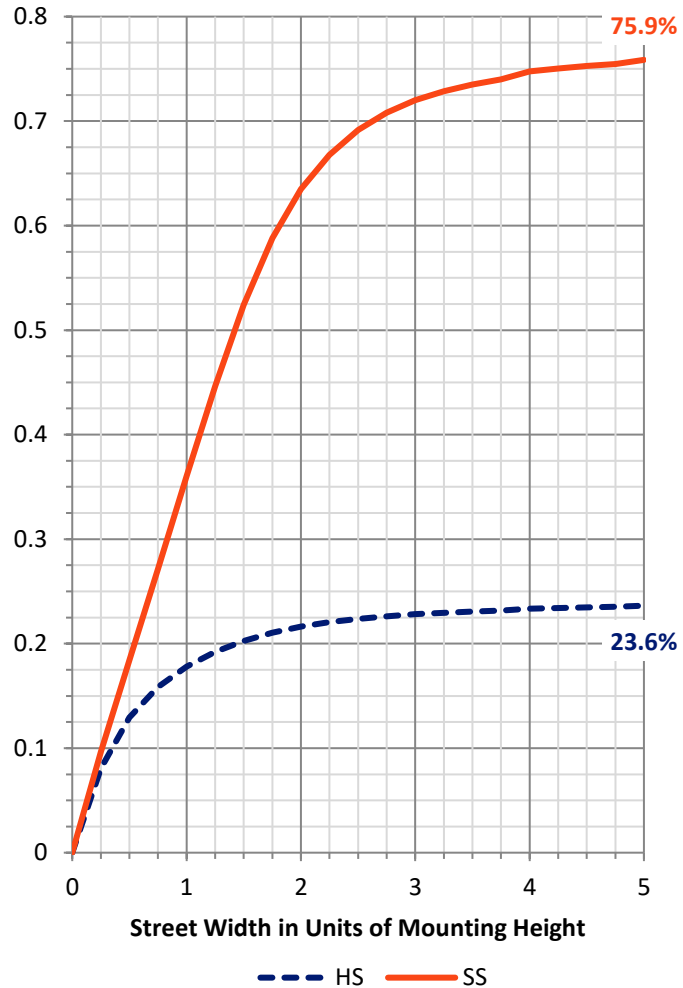
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1401.4	0.0	1401.4
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	4471.6	0.0	4471.6
	% Fixture	76.1	0.0	76.1
Total	Lumens	5873.0	0.0	5873.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.1	1.3
10°-20°	238.6	4.1
20°-30°	370.7	6.3
30°-40°	503.3	8.6
40°-50°	797.6	13.6
50°-60°	1407.0	24.0
60°-70°	1565.5	26.7
70°-80°	794.0	13.5
80°-90°	120.2	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°	5873.0	100.0
0°-180°	5873.0	100.0

Coefficient of Utilization



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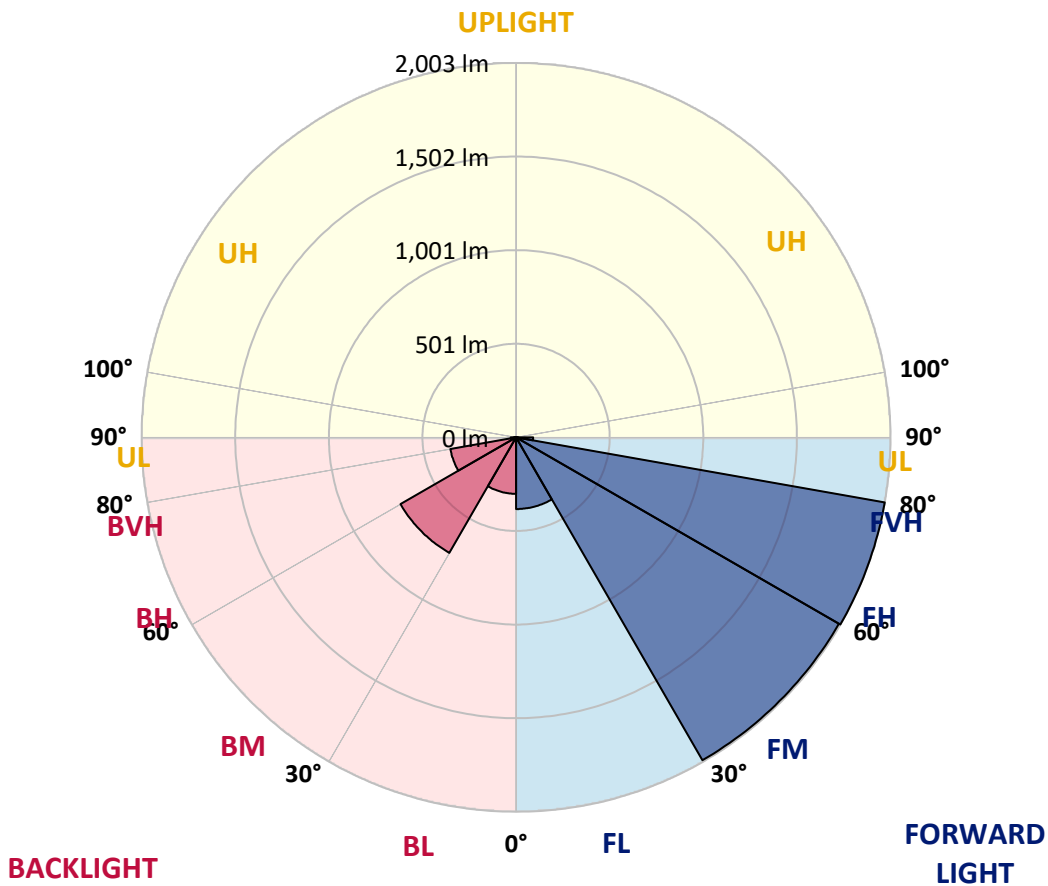
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	383.5	6.5			
FM (30°-60°)	1994.1	34.0			
FH (60°-80°)	2002.7	34.1			G2/5000
FVH (80°-90°)	91.3	1.6			G1/100
BL (0°-30°)	302.0	5.1	B1/500		
BM (30°-60°)	713.7	12.2	B1/1000		
BH (60°-80°)	356.7	6.1	B1/500		G1/500
BVH (80°-90°)	29.0	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°	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5
2.5°	837.7	837.3	845.7	858.6	870.6	876.0	884.8	884.0	876.8	867.5	864.4
5°	903.5	905.3	920.0	948.4	980.0	993.3	999.1	996.9	984.0	967.6	938.7
7.5°	963.1	966.2	988.9	1031.6	1070.7	1088.5	1102.7	1100.1	1081.4	1050.7	1008.0
10°	1006.7	1010.2	1037.4	1087.6	1131.2	1146.7	1165.0	1165.9	1149.4	1108.1	1064.5
12.5°	1050.3	1053.8	1079.2	1125.0	1153.4	1153.9	1164.5	1170.3	1171.2	1152.1	1108.5
15°	1095.6	1098.7	1121.8	1147.6	1146.3	1121.4	1121.4	1132.5	1157.0	1170.8	1140.5
17.5°	1134.3	1138.3	1156.1	1147.6	1108.1	1063.2	1057.8	1072.0	1114.7	1167.6	1164.5
20°	1166.3	1169.4	1179.2	1123.2	1051.1	992.5	982.2	998.7	1056.5	1148.5	1182.8
22.5°	1197.0	1198.8	1193.4	1091.2	989.8	922.6	910.2	927.5	989.8	1114.7	1198.3
25°	1233.5	1231.7	1206.3	1057.8	933.8	867.5	854.6	874.2	939.1	1069.8	1215.2
27.5°	1275.7	1269.0	1217.4	1021.8	890.6	826.6	817.7	838.6	899.1	1028.5	1228.6
30°	1311.7	1298.8	1219.2	989.8	868.4	809.3	803.9	823.5	879.5	1000.5	1245.5
32.5°	1351.7	1333.9	1229.5	981.3	880.8	851.1	858.2	859.5	884.8	992.5	1270.8
35°	1409.1	1386.0	1257.5	1005.8	1008.9	1059.2	1084.9	1050.3	965.3	1010.2	1318.8
37.5°	1495.8	1466.4	1314.4	1111.6	1273.5	1386.0	1448.2	1369.1	1209.9	1077.4	1391.3
40°	1601.2	1563.8	1387.3	1307.3	1520.7	1700.8	1811.5	1695.4	1461.6	1245.0	1493.1
42.5°	1748.4	1709.2	1528.7	1499.4	1749.7	2017.8	2162.3	1989.4	1683.4	1461.6	1656.3
45°	2004.9	1967.1	1787.9	1691.9	2017.8	2408.2	2611.0	2370.4	1908.9	1679.0	1961.3
47.5°	2478.9	2434.4	2173.0	1905.3	2323.7	2915.1	3198.8	2848.4	2143.2	1928.0	2473.6
50°	3048.1	3005.4	2656.3	2157.9	2661.7	3457.1	3851.5	3410.0	2413.1	2230.8	3085.9
52.5°	3732.8	3724.8	3346.0	2477.1	3013.4	4035.2	4575.9	4032.1	2708.8	2638.5	3779.5
55°	4350.0	4428.2	4221.9	2964.0	3467.8	4761.3	5320.7	4710.6	3109.9	3312.6	4591.9
57.5°	4682.6	4892.9	5209.9	3957.4	4128.6	5629.2	6239.7	5539.0	3799.1	4434.9	5345.1
60°	4462.9	4701.3	5275.7	4705.3	4784.0	6324.7	6998.3	6235.3	4475.8	5213.9	5302.4
62.5°	4097.4	4311.3	4822.2	4268.6	4885.3	6477.6	7016.1	6356.7	4744.8	4818.6	4789.7
65°	3663.9	3879.5	4420.7	3726.1	4563.0	6114.3	6498.5	5999.6	4261.5	4353.5	4364.2
67.5°	3088.1	3287.3	3838.2	3313.1	4159.2	5581.2	5703.9	5491.0	3924.5	4071.2	3917.8
70°	2307.3	2486.9	2973.4	2692.3	3506.0	4886.7	4787.5	4819.1	3546.1	3691.9	3272.6
72.5°	1576.7	1711.9	2129.0	2115.6	2684.8	3912.0	3773.7	4073.0	2961.8	3155.2	2494.9
75°	1102.7	1208.1	1538.9	1671.4	2029.4	2899.5	2687.4	3048.5	2313.1	2589.2	1820.4
77.5°	676.8	746.6	972.0	1238.3	1305.5	1984.5	1669.2	2293.9	1624.3	1888.4	1214.3
80°	338.4	372.2	472.2	778.6	865.7	1169.4	921.8	1331.7	1099.2	1169.4	671.9
82.5°	102.3	112.9	138.3	295.7	448.6	673.2	544.7	773.7	600.3	548.3	264.6
85°	27.1	30.7	38.2	87.6	157.4	241.4	184.1	374.8	287.7	202.3	99.6
87.5°	2.2	2.2	1.8	1.8	0.9	0.0	0.0	26.7	53.8	30.7	17.3
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°	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5
2.5°	848.8	847.1	828.8	815.5	799.9	784.8	769.2	755.5	739.9	724.3	719.9
5°	917.3	904.9	866.2	833.7	801.7	773.7	749.2	723.9	703.4	683.4	675.9
7.5°	977.8	956.0	900.0	850.6	806.1	771.5	735.4	698.5	669.6	641.2	634.1
10°	1032.5	1003.6	932.9	870.6	821.3	781.7	739.4	690.1	648.3	613.6	604.3
12.5°	1072.9	1041.4	961.3	889.7	833.7	789.2	747.5	703.9	659.9	614.9	604.7
15°	1104.9	1072.0	984.9	904.4	834.2	776.8	736.3	721.2	707.4	663.4	644.7
17.5°	1130.7	1096.1	1005.3	913.3	822.2	739.0	703.9	726.1	761.2	733.7	698.5
20°	1154.3	1119.2	1020.9	919.5	795.5	687.0	667.4	714.5	767.5	766.6	735.0
22.5°	1180.1	1145.9	1043.6	923.1	758.1	634.1	645.6	697.7	740.8	753.7	734.1
25°	1213.0	1182.8	1075.2	931.1	715.9	597.6	629.6	675.9	711.9	715.0	703.4
27.5°	1251.2	1228.6	1122.3	949.8	675.0	578.9	610.9	645.2	678.1	679.4	665.6
30°	1293.0	1277.9	1165.9	965.3	644.3	573.2	586.9	614.5	635.4	639.0	627.0
32.5°	1346.4	1333.1	1204.6	955.1	626.1	571.8	564.7	578.9	596.3	596.3	586.9
35°	1419.8	1401.1	1245.5	916.0	603.8	566.5	541.1	545.1	552.7	554.0	548.7
37.5°	1523.8	1493.1	1286.8	838.6	567.4	547.4	514.0	509.1	511.8	515.3	514.0
40°	1652.8	1602.5	1347.3	745.7	523.8	510.5	486.0	476.7	474.4	481.6	484.2
42.5°	1815.1	1738.1	1412.2	659.0	484.2	468.2	453.1	445.1	441.5	453.5	460.7
45°	2074.3	1947.6	1474.5	573.2	462.0	432.2	422.0	416.2	418.0	432.2	441.1
47.5°	2522.0	2267.3	1533.6	518.9	460.2	406.4	394.0	395.3	400.2	415.3	426.0
50°	3088.5	2695.5	1573.2	496.2	465.5	390.8	374.4	381.5	389.1	403.7	416.2
52.5°	3665.2	3094.3	1526.0	483.8	465.1	391.3	356.2	377.5	381.1	395.7	409.1
55°	4061.9	3138.8	1318.4	464.7	458.0	409.1	341.9	375.7	378.0	391.3	403.3
57.5°	4213.0	2986.7	1005.3	470.0	436.6	422.9	335.7	363.3	379.3	390.8	403.3
60°	4030.3	2699.9	610.9	483.8	402.4	422.0	339.7	340.6	368.2	387.7	400.2
62.5°	3685.7	2331.7	429.1	444.6	377.5	398.4	349.0	313.9	348.6	372.2	383.3
65°	3290.8	1898.6	327.3	382.8	365.5	361.9	352.2	290.4	321.9	345.0	354.8
67.5°	2879.5	1475.8	265.9	285.5	330.4	327.3	321.9	269.5	290.4	306.8	317.9
70°	2361.5	1032.5	224.5	214.3	283.2	293.5	281.5	243.2	249.9	266.8	275.7
72.5°	1727.5	643.4	184.5	177.0	227.7	256.6	250.3	214.3	217.4	233.4	240.6
75°	1242.3	368.2	148.1	145.8	173.9	219.7	207.2	184.5	188.1	200.1	205.0
77.5°	789.7	205.0	114.3	117.4	124.5	164.1	177.0	157.8	157.8	165.0	169.0
80°	422.9	117.4	83.6	84.9	87.2	125.4	139.6	122.3	122.3	117.4	122.3
82.5°	172.5	67.6	57.4	53.4	58.2	85.8	97.8	77.8	81.4	73.4	75.1
85°	56.9	33.8	28.5	28.0	27.6	37.8	47.1	38.7	46.2	29.3	30.7
87.5°	7.6	6.2	3.6	2.7	3.1	1.3	2.7	3.1	3.1	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°	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5
2.5°	716.8	713.2	700.3	703.4	701.2	697.7	701.2	694.5	699.9	701.7	712.8
5°	670.1	661.6	649.2	643.0	641.6	638.1	638.5	635.4	636.3	643.8	656.3
7.5°	628.3	620.3	610.5	606.1	602.1	598.1	597.6	597.2	600.7	607.4	619.4
10°	598.1	593.6	589.6	591.4	589.6	587.8	584.7	584.7	590.5	602.5	617.2
12.5°	598.1	597.2	598.1	603.4	602.9	603.4	599.4	601.6	617.6	638.1	659.0
15°	630.1	623.0	623.0	625.6	624.7	624.7	624.7	634.1	670.5	702.1	724.3
17.5°	669.2	648.3	639.4	638.1	637.6	637.6	639.4	659.4	716.3	749.7	762.6
20°	696.3	656.7	642.1	636.3	636.7	637.6	643.0	670.5	733.2	750.1	747.0
22.5°	701.2	650.1	632.3	623.8	625.2	626.1	634.1	663.4	710.1	712.8	706.5
25°	678.5	631.4	612.3	605.6	607.4	606.9	614.1	635.4	668.7	667.9	664.3
27.5°	644.7	601.6	587.4	582.9	586.0	582.5	584.7	601.2	627.0	626.1	624.7
30°	610.1	572.7	559.8	557.6	561.6	556.3	556.7	570.5	588.3	587.4	586.9
32.5°	575.4	543.8	532.2	532.2	536.2	530.5	531.4	543.4	555.4	551.8	551.8
35°	542.5	520.2	510.9	509.1	512.2	508.2	510.0	521.1	525.6	520.7	517.6
37.5°	513.6	503.8	494.4	488.2	488.7	489.1	494.4	502.9	500.2	493.1	489.1
40°	486.9	486.9	478.0	466.4	465.1	468.2	477.1	486.4	478.9	470.9	466.0
42.5°	467.8	471.8	463.3	451.8	449.1	454.4	464.2	470.9	462.0	453.1	446.4
45°	450.0	459.8	454.0	441.1	437.5	443.8	456.2	458.9	446.9	438.4	433.5
47.5°	437.5	450.9	446.9	434.4	429.1	438.0	450.9	450.4	435.3	426.4	422.4
50°	428.6	445.5	445.1	434.4	428.6	439.8	451.3	445.5	429.1	419.7	415.7
52.5°	421.5	445.1	448.2	442.0	438.0	447.8	454.9	443.8	424.6	414.9	411.7
55°	418.4	446.9	449.1	443.3	439.8	448.6	454.9	447.3	424.6	415.7	413.1
57.5°	419.3	444.6	445.1	437.1	430.9	442.0	451.8	449.5	429.5	419.3	416.2
60°	414.0	432.6	433.5	421.1	414.0	427.3	444.6	443.3	427.3	416.6	410.9
62.5°	396.2	412.6	413.1	401.5	391.3	410.4	429.5	429.1	414.4	403.7	397.1
65°	366.4	383.7	388.2	377.1	369.1	389.5	409.5	408.6	394.0	384.2	377.5
67.5°	329.5	348.2	356.6	349.0	345.9	364.6	383.3	382.8	370.8	361.5	355.7
70°	284.6	300.1	314.4	314.4	312.1	333.5	353.5	351.7	340.6	333.5	329.0
72.5°	247.2	259.2	263.7	268.1	274.8	297.0	313.9	315.3	307.3	303.7	307.3
75°	210.3	217.9	221.9	218.3	229.9	253.0	275.2	277.5	269.0	263.2	264.6
77.5°	173.0	181.4	185.4	177.4	176.5	205.9	233.0	237.9	230.8	221.9	224.5
80°	124.9	136.1	142.7	137.4	135.6	148.5	185.9	191.2	184.5	177.4	181.4
82.5°	76.5	82.7	84.5	89.8	100.9	106.3	119.6	137.4	132.5	126.3	137.4
85°	30.2	36.0	40.0	45.4	52.9	62.7	73.8	88.0	80.0	77.4	91.2
87.5°	1.8	0.4	0.0	0.9	7.6	14.7	31.6	43.6	36.5	39.1	47.1
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°	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5
2.5°	721.7	733.2	748.8	761.7	778.1	793.7	809.7	825.7	834.2	837.7
5°	670.5	691.9	716.8	744.3	776.4	810.1	844.4	879.5	901.7	903.5
7.5°	639.8	670.5	704.8	739.4	779.0	825.7	880.0	934.2	956.9	963.1
10°	649.6	683.9	711.0	743.5	787.0	845.3	909.3	972.9	999.1	1006.7
12.5°	688.8	695.4	703.9	733.7	787.0	862.2	939.5	1015.1	1043.1	1050.3
15°	721.2	689.2	674.1	705.7	776.4	876.8	971.6	1055.1	1088.9	1095.6
17.5°	723.9	668.7	635.8	664.3	757.7	887.1	1002.2	1099.6	1128.1	1134.3
20°	696.8	647.0	604.3	621.6	732.3	891.5	1024.5	1132.1	1160.1	1166.3
22.5°	666.1	629.2	582.9	582.0	701.7	896.4	1051.1	1162.8	1193.0	1197.0
25°	637.2	604.7	565.6	553.1	666.1	905.7	1087.2	1209.0	1232.1	1233.5
27.5°	603.4	578.5	551.8	539.8	635.0	923.5	1140.5	1264.1	1277.9	1275.7
30°	572.7	554.0	542.0	538.5	615.4	936.9	1191.2	1318.4	1319.3	1311.7
32.5°	540.2	533.1	533.1	544.7	599.4	933.8	1232.6	1371.3	1362.8	1351.7
35°	511.3	512.7	522.0	549.1	572.7	902.6	1272.1	1437.5	1425.1	1409.1
37.5°	483.8	494.0	507.3	533.6	537.6	856.4	1318.4	1531.4	1515.8	1495.8
40°	460.2	475.8	491.3	504.2	500.2	790.6	1382.9	1641.6	1624.3	1601.2
42.5°	441.5	456.7	474.0	475.3	476.7	722.1	1451.3	1776.8	1773.7	1748.4
45°	429.5	439.3	455.8	453.5	475.3	646.5	1514.5	1983.1	2024.0	2004.9
47.5°	421.5	429.1	430.9	440.2	486.9	578.9	1595.8	2386.9	2500.7	2478.9
50°	417.1	424.6	404.6	441.1	488.7	535.4	1708.3	2893.8	3077.0	3048.1
52.5°	416.6	414.9	384.6	450.4	478.9	508.7	1767.0	3263.7	3670.1	3732.8
55°	417.5	395.3	374.4	453.1	459.3	498.9	1570.5	3441.6	4217.5	4350.0
57.5°	409.5	373.9	380.2	442.4	422.4	525.1	1161.0	3378.0	4436.2	4682.6
60°	394.4	353.5	390.8	413.5	384.6	480.2	799.5	3094.3	4209.5	4462.9
62.5°	372.6	339.3	389.5	376.2	370.8	393.1	549.6	2697.2	3849.8	4097.4
65°	348.2	327.7	368.6	340.2	343.3	302.4	388.6	2249.0	3420.2	3663.9
67.5°	321.9	320.6	337.9	302.8	289.9	239.7	283.2	1802.6	2868.4	3088.1
70°	292.1	301.9	307.3	269.0	235.2	188.1	210.3	1260.6	2116.1	2307.3
72.5°	262.3	263.2	270.8	233.9	176.1	150.7	157.8	763.5	1437.5	1576.7
75°	232.1	223.7	230.8	190.3	131.2	123.6	121.8	471.8	992.9	1102.7
77.5°	199.6	190.3	181.0	143.2	105.4	95.6	93.4	264.6	609.2	676.8
80°	162.3	149.8	135.2	104.9	76.9	68.5	68.0	128.9	303.7	338.4
82.5°	126.3	102.7	98.7	65.4	47.6	41.8	44.5	49.4	91.6	102.3
85°	88.5	74.7	52.5	26.2	21.3	17.3	16.9	14.7	24.5	27.1
87.5°	49.4	32.5	16.9	3.1	3.6	4.0	3.1	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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