

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P228701

Luminaire Tested: **ISS-AF-800-LED-E1-RW-8030-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228701
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29765)-DOWNLIGHT AND
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: ISS-AF-800-LED-E1-RW-8030-ULG
Description: IMPACT ELITE LED QUATER SPHERE LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-RECTANGULAR WIDE TYPE I, WITH UPLIGHT
GLOW
Light Source: (16) 3000K CCT, 80 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5408.2 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B2 - U5 - G2

Input Watts (W): 60.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

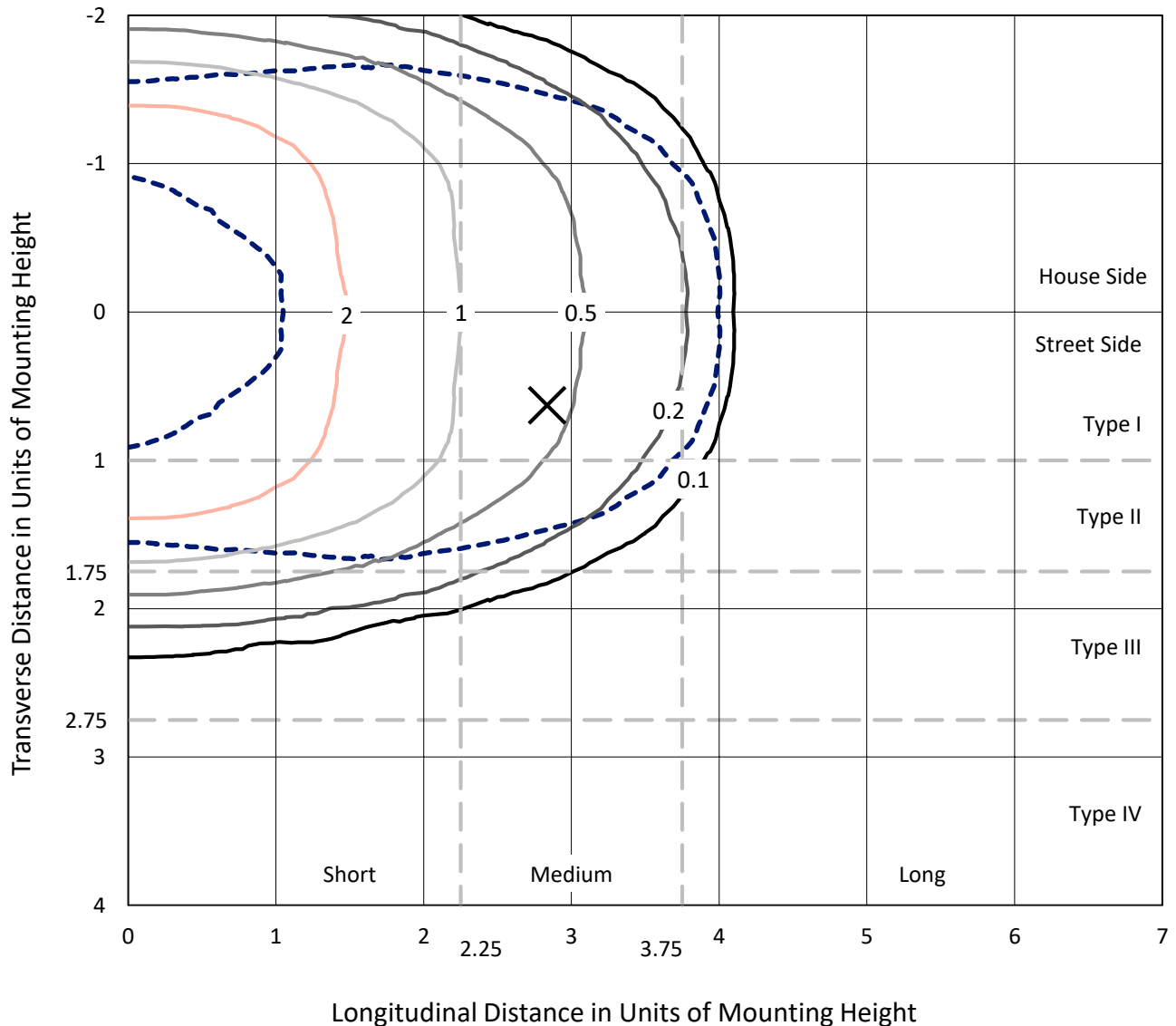


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

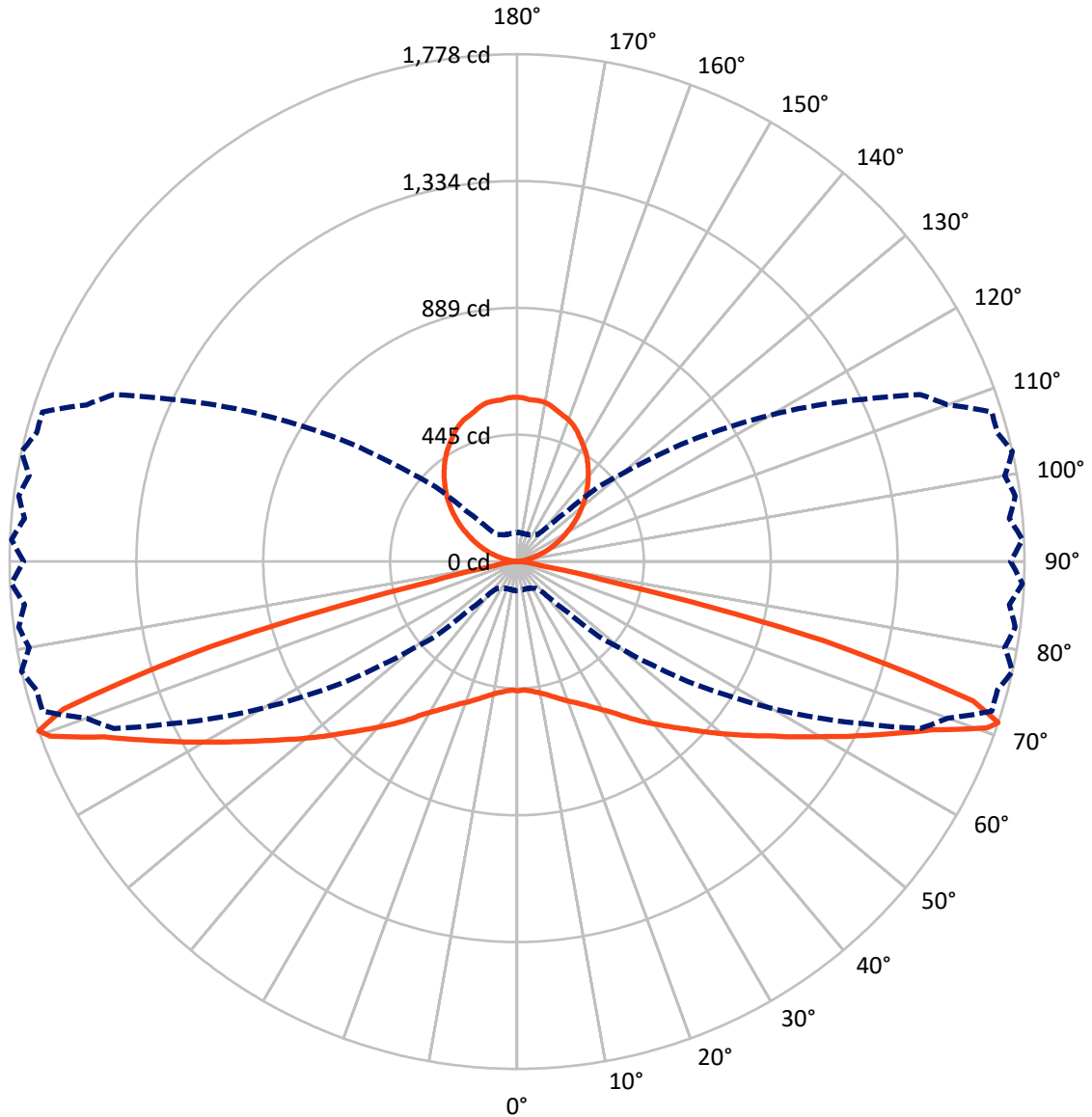


Based on 10 foot mounting height. Maximum calculated value = 4.7 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77.5-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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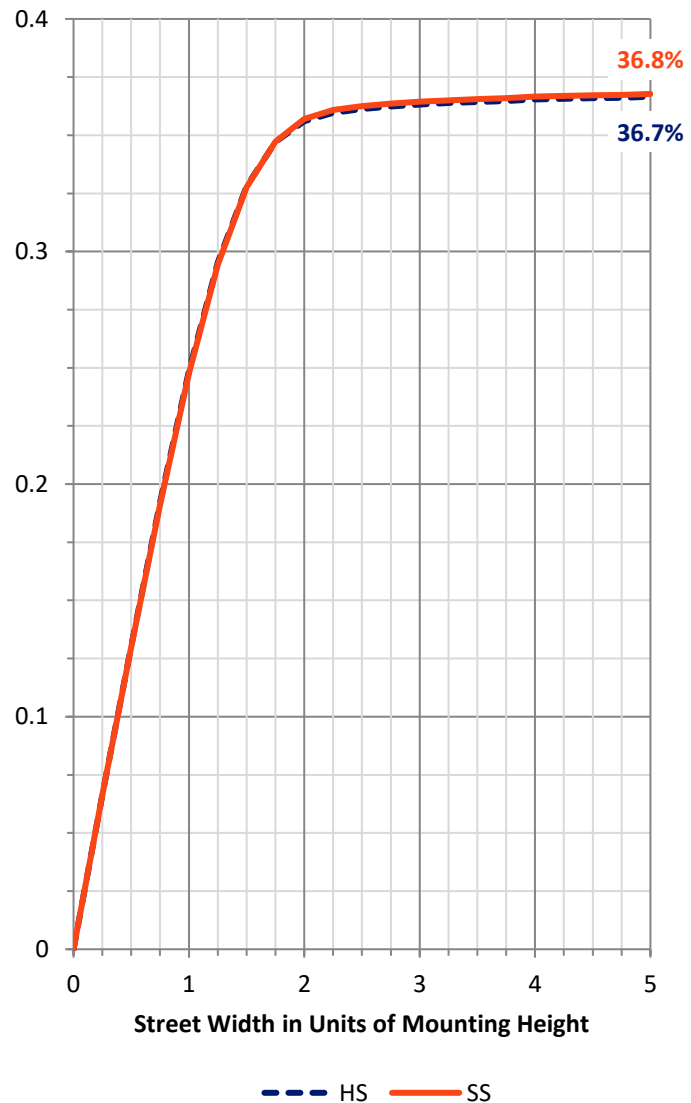
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1991.0	713.1	2704.1
	% Fixture	36.8	13.2	50.0
Street Side	Lumens	1991.0	713.1	2704.1
	% Fixture	36.8	13.2	50.0
Total	Lumens	3982.0	1426.2	5408.2
	% Fixture	73.6	26.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.8	0.8
10°-20°	136.9	2.5
20°-30°	256.2	4.7
30°-40°	445.8	8.2
40°-50°	727.4	13.5
50°-60°	1003.9	18.6
60°-70°	952.3	17.6
70°-80°	392.0	7.2
80°-90°	23.7	0.4
90°-100°	4.7	0.1
100°-110°	69.0	1.3
110°-120°	153.0	2.8
120°-130°	223.9	4.1
130°-140°	265.6	4.9
140°-150°	269.3	5.0
150°-160°	231.1	4.3
160°-170°	155.1	2.9
170°-180°	54.3	1.0
0°-90°	3982.0	73.6
0°-180°	5408.2	100.0



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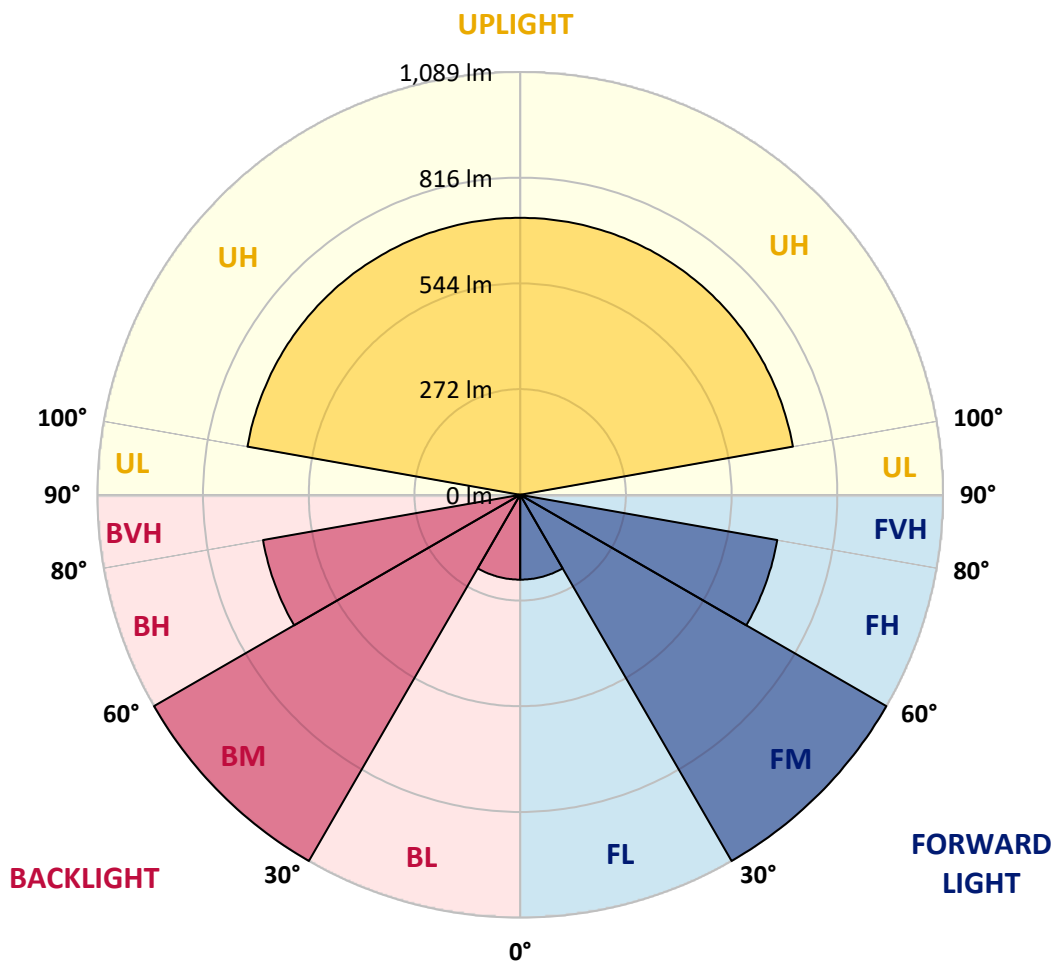
CATALOG NUMBER: ISS-AF-800-LED-E1-RW-8030-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	218.4	4.0			
FM (30°-60°)	1088.6	20.1			
FH (60°-80°)	672.1	12.4			G1/1800
FVH (80°-90°)	11.8	0.2			G1/100
BL (0°-30°)	218.4	4.0	B1/500		
BM (30°-60°)	1088.6	20.1	B2/2500		
BH (60°-80°)	672.1	12.4	B2/1000		G2/1000
BVH (80°-90°)	11.8	0.2			G1/100
UL (90°-100°)	4.7	0.1		U1/10	
UH (100°-180°)	713.1	13.2		U4/1000	

BUG Rating: B2-U5-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°	50°
0°	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4
2.5°	452.1	450.8	452.1	452.1	453.4	453.4	453.4	453.4	452.1	454.7	454.7
5°	452.1	452.1	453.4	453.4	456.1	458.7	454.7	456.1	457.4	456.1	458.7
7.5°	452.1	452.1	452.1	454.7	458.7	461.3	458.7	460.0	462.6	462.6	465.3
10°	448.1	446.8	449.5	454.7	461.3	465.3	464.0	469.2	467.9	469.2	471.9
12.5°	441.6	441.6	446.8	454.7	466.6	469.2	470.6	473.2	477.1	475.8	479.8
15°	442.9	444.2	449.5	460.0	474.5	477.1	478.5	478.5	485.1	482.4	490.3
17.5°	452.1	453.4	458.7	469.2	486.4	486.4	487.7	490.3	499.6	494.3	504.8
20°	466.6	467.9	473.2	485.1	500.9	499.6	502.2	504.8	516.7	511.4	522.0
22.5°	483.7	486.4	493.0	506.1	523.3	515.4	520.6	525.9	537.8	528.6	543.1
25°	507.5	511.4	518.0	532.5	551.0	541.7	547.0	551.0	564.1	551.0	565.5
27.5°	541.7	544.4	549.6	565.5	581.3	574.7	577.3	580.0	595.8	581.3	597.1
30°	582.6	586.5	591.8	606.3	622.1	611.6	616.9	619.5	632.7	618.2	631.4
32.5°	634.0	638.0	644.5	657.7	670.9	655.1	656.4	660.4	673.5	659.0	673.5
35°	694.6	697.3	706.5	722.3	731.5	706.5	707.8	707.8	724.9	705.2	721.0
37.5°	757.9	760.5	771.1	786.9	797.4	769.8	769.8	771.1	786.9	764.5	779.0
40°	823.8	831.7	843.6	859.4	867.3	835.7	838.3	837.0	855.4	829.1	843.6
42.5°	889.7	896.3	913.4	931.9	941.1	909.5	910.8	906.8	925.3	897.6	909.5
45°	946.4	951.7	972.7	999.1	1013.6	980.7	980.7	980.7	999.1	964.8	979.3
47.5°	992.5	996.5	1018.9	1057.1	1080.8	1047.9	1050.5	1045.2	1072.9	1030.7	1050.5
50°	1025.5	1026.8	1055.8	1099.3	1140.1	1109.8	1113.8	1116.4	1142.8	1105.9	1123.0
52.5°	1036.0	1038.7	1071.6	1124.3	1183.6	1163.9	1178.4	1183.6	1207.4	1167.8	1191.5
55°	999.1	1005.7	1055.8	1133.6	1214.0	1207.4	1224.5	1235.0	1265.4	1232.4	1257.5
57.5°	875.2	883.1	953.0	1080.8	1220.5	1231.1	1254.8	1272.0	1315.4	1295.7	1323.4
60°	698.6	705.2	776.4	930.6	1137.5	1202.1	1256.1	1304.9	1349.7	1353.7	1389.3
62.5°	479.8	489.0	557.5	705.2	956.9	1042.6	1120.4	1200.8	1275.9	1366.9	1413.0
65°	234.6	239.9	297.9	440.2	702.5	811.9	902.9	1016.2	1086.1	1216.6	1291.7
67.5°	129.2	129.2	138.4	183.2	375.7	483.7	581.3	723.6	794.8	955.6	1051.8
70°	108.1	108.1	105.4	112.0	142.4	168.7	218.8	300.5	399.4	561.5	648.5
71°	102.8	101.5	100.2	102.8	114.7	119.9	141.0	184.5	250.4	387.5	473.2
72.5°	96.2	93.6	89.6	90.9	97.5	97.5	101.5	108.1	133.1	181.9	243.8
75°	83.0	80.4	76.4	76.4	77.8	79.1	80.4	83.0	84.4	87.0	97.5
77.5°	68.5	65.9	61.9	61.9	60.6	61.9	64.6	65.9	63.3	68.5	69.9
80°	52.7	48.8	47.5	47.5	46.1	44.8	44.8	44.8	46.1	48.8	50.1
82.5°	33.0	30.3	31.6	30.3	29.0	29.0	29.0	29.0	30.3	30.3	33.0
85°	15.8	15.8	17.1	15.8	13.2	13.2	11.9	10.5	11.9	10.5	13.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	2.0	2.0	2.0	3.0	4.0	5.2	6.5	7.8	9.0	10.0	11.0
100°	8.0	8.0	10.0	14.0	22.0	24.0	26.0	28.0	30.0	30.5	31.0
102.5°	28.0	28.0	32.0	38.0	45.0	46.2	47.5	48.8	50.0	50.2	50.5
105°	54.0	54.0	56.0	61.0	66.0	67.0	68.0	69.0	70.0	70.2	70.5
107.5°	78.0	77.0	80.0	84.0	88.0	88.8	89.5	90.2	91.0	91.5	92.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°	50°
110°	101.0	102.0	103.0	106.0	110.0	110.5	111.0	111.5	112.0	112.5	113.0
112.5°	124.0	124.0	126.0	129.0	132.0	132.5	133.0	133.5	134.0	134.5	135.0
115°	146.0	147.0	149.0	151.0	154.0	154.5	155.0	155.5	156.0	156.5	157.0
117.5°	169.0	170.0	172.0	174.0	177.0	177.5	178.0	178.5	179.0	179.2	179.5
120°	193.0	195.0	196.0	198.0	201.0	201.2	201.5	201.8	202.0	202.5	203.0
122.5°	219.0	220.0	221.0	223.0	226.0	226.2	226.5	226.8	227.0	227.2	227.5
125°	244.0	246.0	247.0	248.0	251.0	251.2	251.5	251.8	252.0	252.2	252.5
127.5°	267.0	269.0	270.0	272.0	274.0	274.5	275.0	275.5	276.0	276.5	277.0
130°	290.0	292.0	293.0	294.0	298.0	298.2	298.5	298.8	299.0	299.5	300.0
132.5°	313.0	314.0	317.0	318.0	321.0	321.2	321.5	321.8	322.0	322.8	323.5
135°	336.0	337.0	339.0	341.0	345.0	345.0	345.0	345.0	345.0	345.8	346.5
137.5°	359.0	360.0	363.0	364.0	367.0	367.0	367.0	367.0	367.0	367.5	368.0
140°	382.0	383.0	385.0	386.0	388.0	388.2	388.5	388.8	389.0	389.2	389.5
142.5°	404.0	406.0	408.0	407.0	410.0	410.0	410.0	410.0	410.0	410.5	411.0
145°	425.0	426.0	428.0	428.0	431.0	431.2	431.5	431.8	432.0	432.5	433.0
147.5°	444.0	444.0	447.0	448.0	452.0	452.2	452.5	452.8	453.0	453.2	453.5
150°	461.0	462.0	464.0	465.0	469.0	469.2	469.5	469.8	470.0	470.2	470.5
152.5°	479.0	480.0	483.0	482.0	485.0	485.2	485.5	485.8	486.0	486.2	486.5
155°	499.0	500.0	502.0	501.0	503.0	503.0	503.0	503.0	503.0	503.2	503.5
157.5°	513.0	515.0	517.0	516.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0
160°	525.0	527.0	529.0	529.0	532.0	532.0	532.0	532.0	532.0	532.0	532.0
162.5°	535.0	536.0	539.0	538.0	541.0	541.0	541.0	541.0	541.0	541.2	541.5
165°	546.0	547.0	549.0	548.0	552.0	552.0	552.0	552.0	552.0	552.2	552.5
167.5°	555.0	556.0	559.0	558.0	561.0	560.8	560.5	560.2	560.0	560.0	560.0
170°	562.0	563.0	566.0	565.0	567.0	566.8	566.5	566.2	566.0	565.8	565.5
172.5°	565.0	566.0	569.0	567.0	569.0	568.8	568.5	568.2	568.0	568.2	568.5
175°	567.0	569.0	570.0	569.0	572.0	572.0	572.0	572.0	572.0	572.2	572.5
177.5°	572.0	573.0	575.0	574.0	578.0	577.8	577.5	577.2	577.0	577.0	577.0
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0



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CANDELA DISTRIBUTION (continued):

	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
0°	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4	453.4
2.5°	450.8	453.4	452.1	453.4	450.8	453.4	449.5	453.4	452.1	453.4	450.8
5°	454.7	458.7	454.7	460.0	454.7	460.0	454.7	460.0	456.1	460.0	454.7
7.5°	458.7	466.6	461.3	467.9	461.3	469.2	461.3	469.2	464.0	470.6	461.3
10°	466.6	475.8	467.9	475.8	467.9	477.1	467.9	478.5	470.6	481.1	469.2
12.5°	473.2	483.7	475.8	486.4	474.5	489.0	477.1	493.0	479.8	495.6	479.8
15°	482.4	495.6	487.7	499.6	487.7	503.5	489.0	507.5	493.0	510.1	493.0
17.5°	495.6	510.1	499.6	514.1	500.9	518.0	502.2	522.0	507.5	524.6	507.5
20°	514.1	525.9	515.4	531.2	516.7	532.5	519.3	535.1	523.3	539.1	523.3
22.5°	535.1	545.7	537.8	547.0	533.8	547.0	533.8	547.0	537.8	551.0	537.8
25°	558.9	566.8	557.5	566.8	554.9	565.5	553.6	564.1	554.9	566.8	557.5
27.5°	590.5	594.5	583.9	591.8	577.3	587.9	574.7	585.2	576.0	586.5	580.0
30°	624.8	628.7	618.2	623.5	607.6	614.2	599.7	609.0	601.0	609.0	605.0
32.5°	663.0	668.3	656.4	659.0	645.9	647.2	635.3	639.3	632.7	635.3	634.0
35°	706.5	713.1	699.9	703.9	689.4	689.4	678.8	677.5	674.9	672.2	672.2
37.5°	761.9	764.5	753.9	753.9	736.8	736.8	723.6	723.6	718.4	713.1	710.4
40°	822.5	823.8	806.7	805.3	788.2	788.2	773.7	769.8	760.5	753.9	750.0
42.5°	887.1	885.8	860.7	863.3	838.3	839.6	821.2	817.2	808.0	800.1	792.2
45°	953.0	947.7	922.7	921.3	892.3	893.7	871.3	868.6	855.4	847.5	838.3
47.5°	1020.2	1017.6	989.9	983.3	953.0	951.7	922.7	922.7	909.5	901.6	892.3
50°	1090.1	1088.7	1057.1	1053.1	1021.5	1016.2	982.0	982.0	966.2	963.5	950.3
52.5°	1166.5	1161.2	1127.0	1125.6	1095.3	1091.4	1054.5	1051.8	1028.1	1026.8	1012.3
55°	1241.6	1232.4	1210.0	1199.5	1169.1	1167.8	1134.9	1128.3	1098.0	1098.0	1079.5
57.5°	1310.2	1302.3	1283.8	1274.6	1245.6	1241.6	1206.0	1206.0	1179.7	1178.4	1158.6
60°	1381.4	1384.0	1364.2	1360.3	1332.6	1331.3	1295.7	1295.7	1269.3	1268.0	1245.6
62.5°	1442.0	1468.3	1460.4	1463.1	1439.3	1435.4	1399.8	1397.2	1366.9	1362.9	1344.4
65°	1382.7	1474.9	1534.3	1573.8	1571.2	1569.8	1535.6	1530.3	1492.1	1481.5	1451.2
67.5°	1161.2	1281.2	1389.3	1507.9	1594.9	1660.8	1680.6	1672.6	1639.7	1609.4	1572.5
70°	777.7	916.1	1053.1	1200.8	1349.7	1494.7	1643.7	1708.2	1776.8	1753.1	1746.5
71°	591.8	734.2	871.3	1026.8	1185.0	1345.8	1529.0	1605.4	1743.8	1742.5	1778.1
72.5°	333.5	460.0	606.3	742.1	891.0	1057.1	1245.6	1329.9	1529.0	1568.5	1671.3
75°	106.8	146.3	193.8	305.8	398.1	549.6	689.4	773.7	905.5	971.4	1115.1
77.5°	71.2	79.1	81.7	94.9	106.8	151.6	205.6	251.8	276.8	290.0	304.5
80°	51.4	55.4	58.0	64.6	65.9	73.8	73.8	81.7	80.4	85.7	81.7
82.5°	33.0	36.9	38.2	40.9	42.2	47.5	50.1	55.4	55.4	58.0	56.7
85°	15.8	18.5	18.5	21.1	21.1	25.0	25.0	29.0	29.0	33.0	31.6
87.5°	1.3	1.3	1.3	2.6	2.6	2.6	4.0	5.3	5.3	5.3	5.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	12.0	13.0	11.5	10.0	8.5	7.0	6.5	6.0	5.5	5.0	4.8
100°	31.5	32.0	31.5	31.0	30.5	30.0	29.2	28.5	27.8	27.0	26.8
102.5°	50.8	51.0	50.8	50.5	50.2	50.0	49.5	49.0	48.5	48.0	48.2
105°	70.8	71.0	71.0	71.0	71.0	71.0	70.5	70.0	69.5	69.0	69.5
107.5°	92.5	93.0	92.8	92.5	92.2	92.0	91.8	91.5	91.2	91.0	91.2



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CANDELA DISTRIBUTION (continued):

	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
110°	113.5	114.0	114.0	114.0	114.0	114.0	113.8	113.5	113.2	113.0	113.2
112.5°	135.5	136.0	136.0	136.0	136.0	136.0	135.8	135.5	135.2	135.0	135.5
115°	157.5	158.0	158.0	158.0	158.0	158.0	158.0	158.0	158.0	158.0	158.5
117.5°	179.8	180.0	180.2	180.5	180.8	181.0	180.8	180.5	180.2	180.0	180.5
120°	203.5	204.0	204.0	204.0	204.0	204.0	204.0	204.0	204.0	204.0	204.5
122.5°	227.8	228.0	228.0	228.0	228.0	228.0	228.2	228.5	228.8	229.0	230.0
125°	252.8	253.0	253.2	253.5	253.8	254.0	254.0	254.0	254.0	254.0	254.8
127.5°	277.5	278.0	277.8	277.5	277.2	277.0	277.2	277.5	277.8	278.0	278.8
130°	300.5	301.0	301.0	301.0	301.0	301.0	301.2	301.5	301.8	302.0	302.8
132.5°	324.2	325.0	325.0	325.0	325.0	325.0	325.2	325.5	325.8	326.0	326.8
135°	347.2	348.0	348.0	348.0	348.0	348.0	348.2	348.5	348.8	349.0	349.5
137.5°	368.5	369.0	369.0	369.0	369.0	369.0	369.2	369.5	369.8	370.0	371.0
140°	389.8	390.0	390.0	390.0	390.0	390.0	390.5	391.0	391.5	392.0	393.0
142.5°	411.5	412.0	412.0	412.0	412.0	412.0	412.2	412.5	412.8	413.0	413.8
145°	433.5	434.0	433.8	433.5	433.2	433.0	433.2	433.5	433.8	434.0	434.8
147.5°	453.8	454.0	453.5	453.0	452.5	452.0	452.2	452.5	452.8	453.0	453.8
150°	470.8	471.0	470.5	470.0	469.5	469.0	469.0	469.0	469.0	469.0	470.0
152.5°	486.8	487.0	486.8	486.5	486.2	486.0	486.0	486.0	486.0	486.0	486.8
155°	503.8	504.0	503.8	503.5	503.2	503.0	503.2	503.5	503.8	504.0	504.8
157.5°	519.0	519.0	518.5	518.0	517.5	517.0	517.2	517.5	517.8	518.0	519.2
160°	532.0	532.0	531.5	531.0	530.5	530.0	530.0	530.0	530.0	530.0	530.8
162.5°	541.8	542.0	541.5	541.0	540.5	540.0	539.5	539.0	538.5	538.0	538.5
165°	552.8	553.0	552.2	551.5	550.8	550.0	549.5	549.0	548.5	548.0	548.5
167.5°	560.0	560.0	559.5	559.0	558.5	558.0	558.2	558.5	558.8	559.0	560.0
170°	565.2	565.0	564.8	564.5	564.2	564.0	564.5	565.0	565.5	566.0	567.2
172.5°	568.8	569.0	568.5	568.0	567.5	567.0	567.2	567.5	567.8	568.0	568.8
175°	572.8	573.0	572.2	571.5	570.8	570.0	569.5	569.0	568.5	568.0	568.8
177.5°	577.0	577.0	576.2	575.5	574.8	574.0	574.0	574.0	574.0	574.0	574.8
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0



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CANDELA DISTRIBUTION (continued):

	80°	82.5°	85°	87.5°	90°
0°	453.4	453.4	453.4	453.4	453.4
2.5°	454.7	453.4	454.7	452.1	454.7
5°	461.3	456.1	462.6	456.1	462.6
7.5°	471.9	465.3	473.2	462.6	471.9
10°	481.1	471.9	482.4	471.9	481.1
12.5°	496.9	482.4	499.6	482.4	499.6
15°	512.7	495.6	516.7	498.2	515.4
17.5°	527.2	511.4	531.2	512.7	529.9
20°	540.4	525.9	543.1	524.6	543.1
22.5°	553.6	544.4	557.5	544.4	557.5
25°	570.7	564.1	573.4	564.1	573.4
27.5°	590.5	587.9	593.1	586.5	594.5
30°	612.9	614.2	615.5	614.2	616.9
32.5°	640.6	647.2	644.5	644.5	644.5
35°	678.8	690.7	682.8	685.4	684.1
37.5°	714.4	731.5	721.0	724.9	722.3
40°	753.9	765.8	763.2	763.2	760.5
42.5°	797.4	811.9	808.0	809.3	806.7
45°	844.9	858.1	852.8	851.5	852.8
47.5°	898.9	913.4	906.8	905.5	906.8
50°	955.6	972.7	967.5	964.8	967.5
52.5°	1017.6	1038.7	1036.0	1033.4	1037.3
55°	1090.1	1109.8	1107.2	1109.8	1111.1
57.5°	1162.6	1185.0	1179.7	1186.3	1188.9
60°	1253.5	1266.7	1268.0	1269.3	1270.6
62.5°	1345.8	1351.0	1355.0	1358.9	1360.3
65°	1452.5	1453.8	1456.5	1452.5	1456.5
67.5°	1555.3	1546.1	1544.8	1548.7	1551.4
70°	1714.8	1714.8	1701.6	1720.1	1704.3
71°	1735.9	1761.0	1732.0	1772.8	1729.3
72.5°	1633.1	1679.2	1646.3	1683.2	1639.7
75°	1136.2	1243.0	1241.6	1294.4	1252.2
77.5°	315.0	295.3	315.0	271.5	259.7
80°	85.7	77.8	84.4	71.2	80.4
82.5°	56.7	48.8	47.5	38.2	40.9
85°	33.0	25.0	25.0	19.8	21.1
87.5°	5.3	1.3	5.3	2.6	4.0
90°	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0
95°	1.0	1.0	1.0	1.0	1.0
97.5°	4.5	4.2	4.0	4.0	4.0
100°	26.5	26.2	26.0	25.5	25.0
102.5°	48.5	48.8	49.0	48.5	48.0
105°	70.0	70.5	71.0	70.0	69.0
107.5°	91.5	91.8	92.0	91.5	91.0



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CANDELA DISTRIBUTION (continued):

	80°	82.5°	85°	87.5°	90°
110°	113.5	113.8	114.0	113.5	113.0
112.5°	136.0	136.5	137.0	136.0	135.0
115°	159.0	159.5	160.0	159.5	159.0
117.5°	181.0	181.5	182.0	181.0	180.0
120°	205.0	205.5	206.0	205.0	204.0
122.5°	231.0	232.0	233.0	232.5	232.0
125°	255.5	256.2	257.0	256.5	256.0
127.5°	279.5	280.2	281.0	279.5	278.0
130°	303.5	304.2	305.0	304.0	303.0
132.5°	327.5	328.2	329.0	328.0	327.0
135°	350.0	350.5	351.0	350.5	350.0
137.5°	372.0	373.0	374.0	373.0	372.0
140°	394.0	395.0	396.0	395.0	394.0
142.5°	414.5	415.2	416.0	415.5	415.0
145°	435.5	436.2	437.0	436.0	435.0
147.5°	454.5	455.2	456.0	454.5	453.0
150°	471.0	472.0	473.0	471.5	470.0
152.5°	487.5	488.2	489.0	487.5	486.0
155°	505.5	506.2	507.0	506.0	505.0
157.5°	520.5	521.8	523.0	521.5	520.0
160°	531.5	532.2	533.0	532.0	531.0
162.5°	539.0	539.5	540.0	538.5	537.0
165°	549.0	549.5	550.0	549.0	548.0
167.5°	561.0	562.0	563.0	562.0	561.0
170°	568.5	569.8	571.0	570.0	569.0
172.5°	569.5	570.2	571.0	569.5	568.0
175°	569.5	570.2	571.0	569.5	568.0
177.5°	575.5	576.2	577.0	575.5	574.0
180°	576.0	576.0	576.0	576.0	576.0

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