

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: P228704

Luminaire Tested: **ISS-AF-800-LED-E1-RW-7030-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228704
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-7030-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, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5745.2 lumens
Efficiency: N/A
Efficacy: 95.4 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

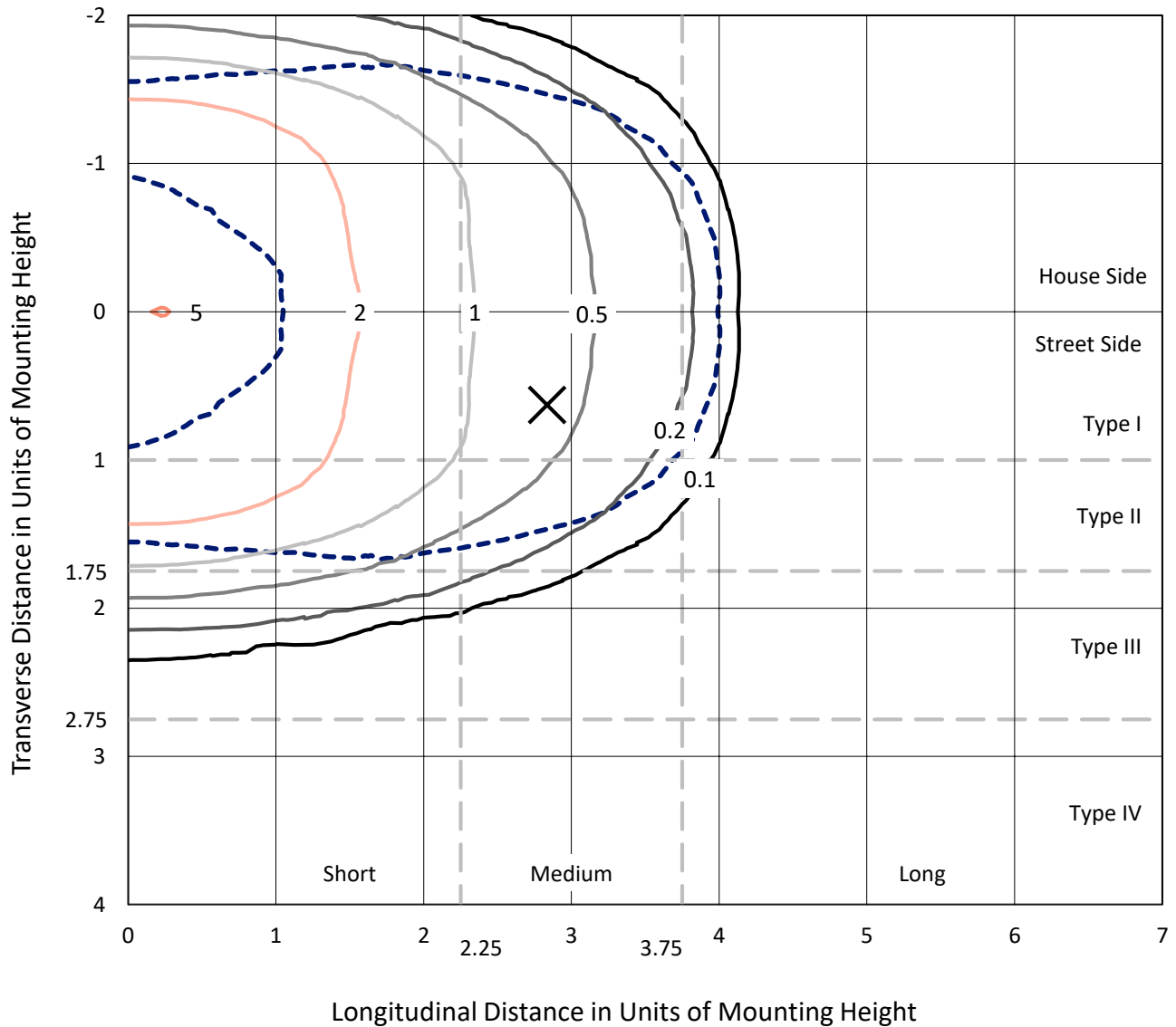


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

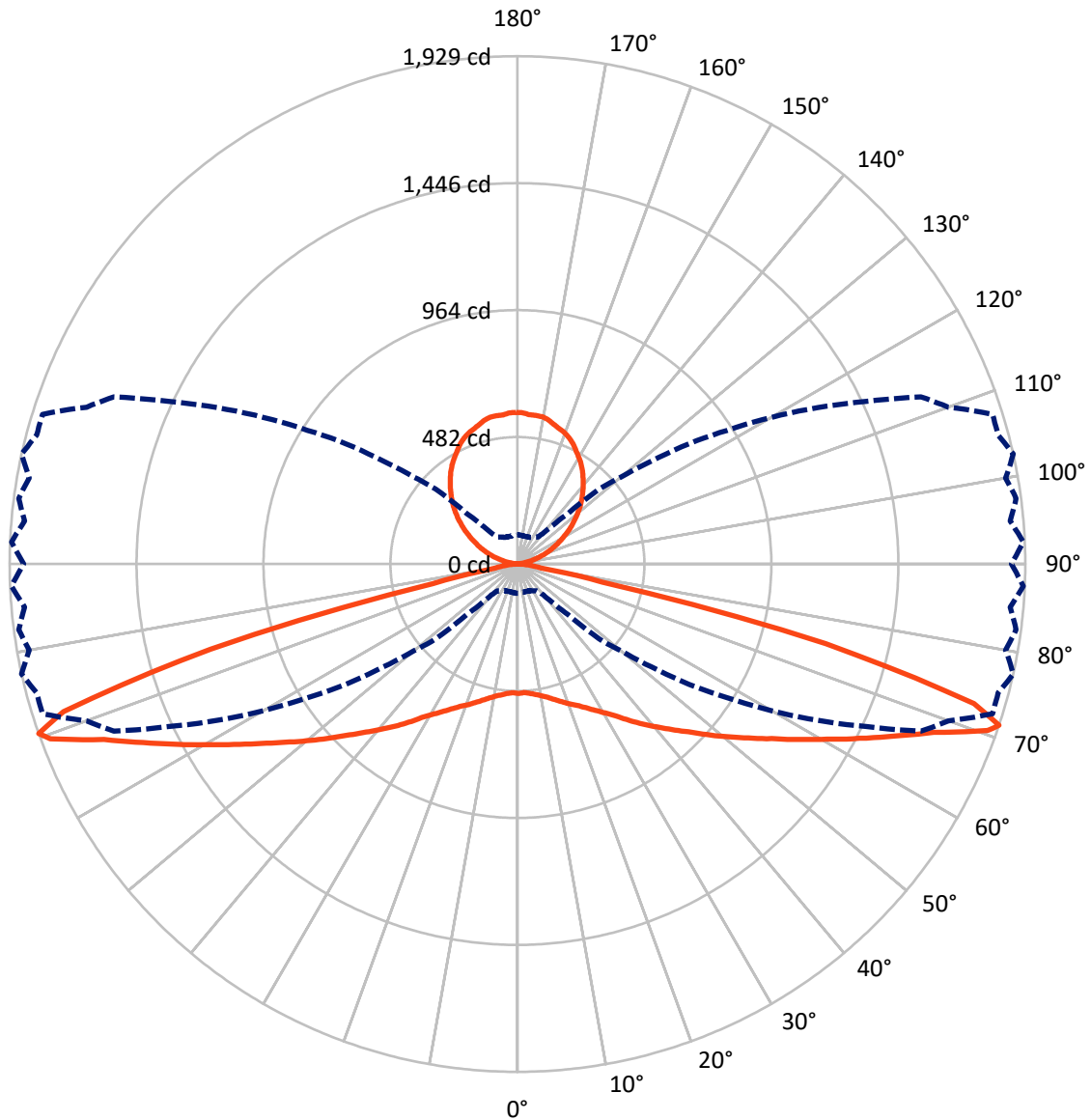


Based on 10 foot mounting height. Maximum calculated value = 5 fc
 Type II - Medium - Non-Cutoff

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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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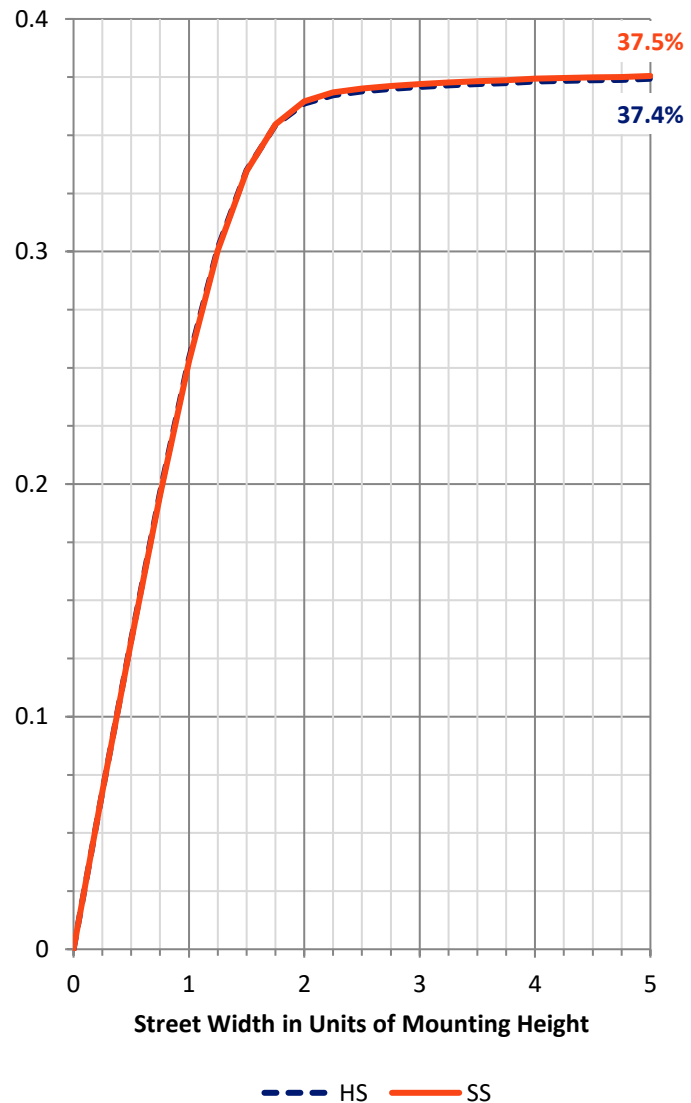
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2159.5	713.1	2872.6
	% Fixture	37.6	12.4	50.0
Street Side	Lumens	2159.5	713.1	2872.6
	% Fixture	37.6	12.4	50.0
Total	Lumens	4319.0	1426.2	5745.2
	% Fixture	75.2	24.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.5	0.8
10°-20°	148.5	2.6
20°-30°	277.8	4.8
30°-40°	483.6	8.4
40°-50°	789.0	13.7
50°-60°	1088.9	19.0
60°-70°	1032.9	18.0
70°-80°	425.2	7.4
80°-90°	25.7	0.4
90°-100°	4.7	0.1
100°-110°	69.0	1.2
110°-120°	153.0	2.7
120°-130°	223.9	3.9
130°-140°	265.6	4.6
140°-150°	269.3	4.7
150°-160°	231.1	4.0
160°-170°	155.1	2.7
170°-180°	54.3	0.9
0°-90°	4319.0	75.2
0°-180°	5745.2	100.0



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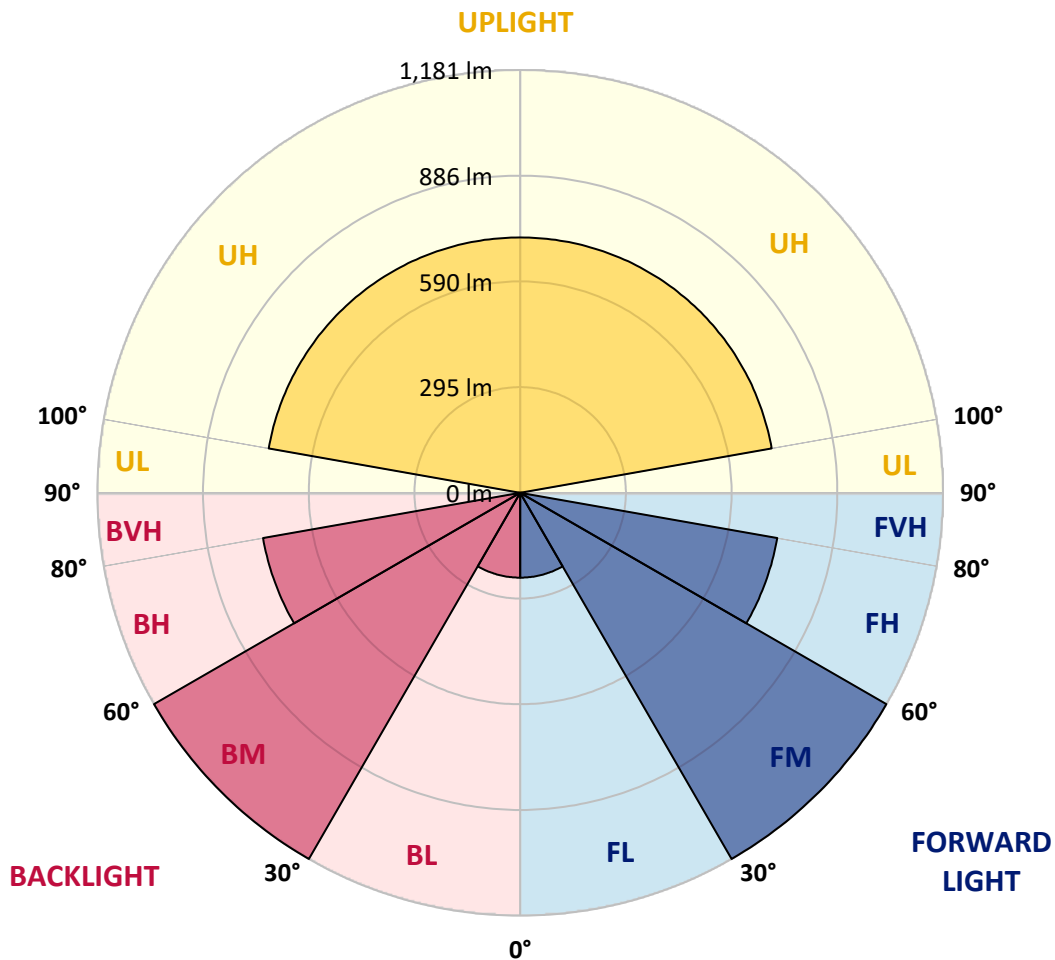
CATALOG NUMBER: ISS-AF-800-LED-E1-RW-7030-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	236.9	4.1			
FM (30°-60°)	1180.7	20.6			
FH (60°-80°)	729.0	12.7			G1/1800
FVH (80°-90°)	12.8	0.2			G1/100
BL (0°-30°)	236.9	4.1	B1/500		
BM (30°-60°)	1180.7	20.6	B2/2500		
BH (60°-80°)	729.0	12.7	B2/1000		G2/1000
BVH (80°-90°)	12.8	0.2			G1/100
UL (90°-100°)	4.7	0.1		U1/10	
UH (100°-180°)	713.1	12.4		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°	491.8	491.8	491.8	491.8	491.8	491.8	491.8	491.8	491.8	491.8	491.8
2.5°	490.4	488.9	490.4	490.4	491.8	491.8	491.8	491.8	490.4	493.2	493.2
5°	490.4	490.4	491.8	491.8	494.7	497.5	493.2	494.7	496.1	494.7	497.5
7.5°	490.4	490.4	490.4	493.2	497.5	500.4	497.5	498.9	501.8	501.8	504.7
10°	486.1	484.6	487.5	493.2	500.4	504.7	503.2	509.0	507.5	509.0	511.8
12.5°	478.9	478.9	484.6	493.2	506.1	509.0	510.4	513.2	517.5	516.1	520.4
15°	480.4	481.8	487.5	498.9	514.7	517.5	519.0	519.0	526.1	523.2	531.8
17.5°	490.4	491.8	497.5	509.0	527.5	527.5	529.0	531.8	541.8	536.1	547.6
20°	506.1	507.5	513.2	526.1	543.3	541.8	544.7	547.6	560.4	554.7	566.1
22.5°	524.7	527.5	534.7	549.0	567.6	559.0	564.7	570.4	583.3	573.3	589.0
25°	550.4	554.7	561.8	577.6	597.6	587.6	593.3	597.6	611.9	597.6	613.3
27.5°	587.6	590.4	596.2	613.3	630.5	623.3	626.2	629.0	646.2	630.5	647.6
30°	631.9	636.2	641.9	657.6	674.8	663.4	669.1	671.9	686.2	670.5	684.8
32.5°	687.7	691.9	699.1	713.4	727.7	710.5	712.0	716.2	730.5	714.8	730.5
35°	753.4	756.3	766.3	783.4	793.4	766.3	767.7	767.7	786.3	764.9	782.0
37.5°	822.0	824.9	836.3	853.5	864.9	834.9	834.9	836.3	853.5	829.2	844.9
40°	893.5	902.1	915.0	932.1	940.7	906.4	909.2	907.8	927.8	899.2	915.0
42.5°	965.0	972.2	990.7	1010.8	1020.8	986.4	987.9	983.6	1003.6	973.6	986.4
45°	1026.5	1032.2	1055.1	1083.7	1099.4	1063.6	1063.6	1063.6	1083.7	1046.5	1062.2
47.5°	1076.5	1080.8	1105.1	1146.6	1172.3	1136.6	1139.4	1133.7	1163.7	1118.0	1139.4
50°	1112.3	1113.7	1145.1	1192.3	1236.6	1203.8	1208.0	1210.9	1239.5	1199.5	1218.0
52.5°	1123.7	1126.6	1162.3	1219.5	1283.8	1262.4	1278.1	1283.8	1309.5	1266.7	1292.4
55°	1083.7	1090.8	1145.1	1229.5	1316.7	1309.5	1328.1	1339.6	1372.4	1336.7	1363.9
57.5°	949.3	957.9	1033.6	1172.3	1323.8	1335.3	1361.0	1379.6	1426.8	1405.3	1435.4
60°	757.7	764.9	842.1	1009.3	1233.8	1303.8	1362.4	1415.3	1463.9	1468.2	1506.8
62.5°	520.4	530.4	604.7	764.9	1037.9	1130.8	1215.2	1302.4	1383.9	1482.5	1532.6
65°	254.5	260.2	323.1	477.5	762.0	880.7	979.3	1102.2	1178.0	1319.6	1401.0
67.5°	140.1	140.1	150.1	198.7	407.4	524.7	630.5	784.9	862.1	1036.5	1140.8
70°	117.2	117.2	114.4	121.5	154.4	183.0	237.3	326.0	433.2	609.0	703.4
71°	111.5	110.1	108.7	111.5	124.4	130.1	153.0	200.1	271.6	420.3	513.2
72.5°	104.4	101.5	97.2	98.6	105.8	105.8	110.1	117.2	144.4	197.3	264.5
75°	90.1	87.2	82.9	82.9	84.3	85.8	87.2	90.1	91.5	94.4	105.8
77.5°	74.3	71.5	67.2	67.2	65.8	67.2	70.1	71.5	68.6	74.3	75.8
80°	57.2	52.9	51.5	51.5	50.0	48.6	48.6	48.6	50.0	52.9	54.3
82.5°	35.7	32.9	34.3	32.9	31.5	31.5	31.5	31.5	32.9	32.9	35.7
85°	17.2	17.2	18.6	17.2	14.3	14.3	12.9	11.4	12.9	11.4	14.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
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°	491.8	491.8	491.8	491.8	491.8	491.8	491.8	491.8	491.8	491.8	491.8
2.5°	488.9	491.8	490.4	491.8	488.9	491.8	487.5	491.8	490.4	491.8	488.9
5°	493.2	497.5	493.2	498.9	493.2	498.9	493.2	498.9	494.7	498.9	493.2
7.5°	497.5	506.1	500.4	507.5	500.4	509.0	500.4	509.0	503.2	510.4	500.4
10°	506.1	516.1	507.5	516.1	507.5	517.5	507.5	519.0	510.4	521.8	509.0
12.5°	513.2	524.7	516.1	527.5	514.7	530.4	517.5	534.7	520.4	537.5	520.4
15°	523.2	537.5	529.0	541.8	529.0	546.1	530.4	550.4	534.7	553.3	534.7
17.5°	537.5	553.3	541.8	557.6	543.3	561.8	544.7	566.1	550.4	569.0	550.4
20°	557.6	570.4	559.0	576.1	560.4	577.6	563.3	580.4	567.6	584.7	567.6
22.5°	580.4	591.9	583.3	593.3	579.0	593.3	579.0	593.3	583.3	597.6	583.3
25°	606.2	614.7	604.7	614.7	601.9	613.3	600.4	611.9	601.9	614.7	604.7
27.5°	640.5	644.8	633.3	641.9	626.2	637.6	623.3	634.8	624.8	636.2	629.0
30°	677.6	681.9	670.5	676.2	659.1	666.2	650.5	660.5	651.9	660.5	656.2
32.5°	719.1	724.8	712.0	714.8	700.5	702.0	689.1	693.4	686.2	689.1	687.7
35°	766.3	773.4	759.1	763.4	747.7	747.7	736.3	734.8	732.0	729.1	729.1
37.5°	826.3	829.2	817.8	817.8	799.2	799.2	784.9	784.9	779.2	773.4	770.6
40°	892.1	893.5	874.9	873.5	854.9	854.9	839.2	834.9	824.9	817.8	813.5
42.5°	962.1	960.7	933.6	936.4	909.2	910.7	890.7	886.4	876.4	867.8	859.2
45°	1033.6	1027.9	1000.7	999.3	967.9	969.3	945.0	942.1	927.8	919.3	909.2
47.5°	1106.5	1103.7	1073.7	1066.5	1033.6	1032.2	1000.7	1000.7	986.4	977.9	967.9
50°	1182.3	1180.9	1146.6	1142.3	1108.0	1102.2	1065.1	1065.1	1047.9	1045.1	1030.8
52.5°	1265.2	1259.5	1222.3	1220.9	1188.0	1183.7	1143.7	1140.8	1115.1	1113.7	1098.0
55°	1346.7	1336.7	1312.4	1301.0	1268.1	1266.7	1230.9	1223.8	1190.9	1190.9	1170.9
57.5°	1421.1	1412.5	1392.5	1382.5	1351.0	1346.7	1308.1	1308.1	1279.5	1278.1	1256.6
60°	1498.3	1501.1	1479.7	1475.4	1445.4	1443.9	1405.3	1405.3	1376.7	1375.3	1351.0
62.5°	1564.0	1592.6	1584.0	1586.9	1561.2	1556.9	1518.3	1515.4	1482.5	1478.2	1458.2
65°	1499.7	1599.8	1664.1	1707.0	1704.1	1702.7	1665.5	1659.8	1618.3	1606.9	1574.0
67.5°	1259.5	1389.6	1506.8	1635.5	1729.9	1801.3	1822.8	1814.2	1778.5	1745.6	1705.6
70°	843.5	993.6	1142.3	1302.4	1463.9	1621.2	1782.8	1852.8	1927.1	1901.4	1894.3
71°	641.9	796.3	945.0	1113.7	1285.2	1459.7	1658.4	1741.3	1891.4	1890.0	1928.6
72.5°	361.7	498.9	657.6	804.9	966.4	1146.6	1351.0	1442.5	1658.4	1701.3	1812.8
75°	115.8	158.7	210.2	331.7	431.7	596.2	747.7	839.2	982.2	1053.6	1209.5
77.5°	77.2	85.8	88.6	102.9	115.8	164.4	223.0	273.1	300.2	314.5	330.2
80°	55.8	60.0	62.9	70.1	71.5	80.1	80.1	88.6	87.2	92.9	88.6
82.5°	35.7	40.0	41.5	44.3	45.7	51.5	54.3	60.0	60.0	62.9	61.5
85°	17.2	20.0	20.0	22.9	22.9	27.2	27.2	31.5	31.5	35.7	34.3
87.5°	1.4	1.4	1.4	2.9	2.9	2.9	4.3	5.7	5.7	5.7	5.7
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°	491.8	491.8	491.8	491.8	491.8
2.5°	493.2	491.8	493.2	490.4	493.2
5°	500.4	494.7	501.8	494.7	501.8
7.5°	511.8	504.7	513.2	501.8	511.8
10°	521.8	511.8	523.2	511.8	521.8
12.5°	539.0	523.2	541.8	523.2	541.8
15°	556.1	537.5	560.4	540.4	559.0
17.5°	571.9	554.7	576.1	556.1	574.7
20°	586.2	570.4	589.0	569.0	589.0
22.5°	600.4	590.4	604.7	590.4	604.7
25°	619.0	611.9	621.9	611.9	621.9
27.5°	640.5	637.6	643.3	636.2	644.8
30°	664.8	666.2	667.6	666.2	669.1
32.5°	694.8	702.0	699.1	699.1	699.1
35°	736.3	749.1	740.6	743.4	742.0
37.5°	774.9	793.4	782.0	786.3	783.4
40°	817.8	830.6	827.8	827.8	824.9
42.5°	864.9	880.7	876.4	877.8	874.9
45°	916.4	930.7	925.0	923.5	925.0
47.5°	975.0	990.7	983.6	982.2	983.6
50°	1036.5	1055.1	1049.4	1046.5	1049.4
52.5°	1103.7	1126.6	1123.7	1120.8	1125.1
55°	1182.3	1203.8	1200.9	1203.8	1205.2
57.5°	1260.9	1285.2	1279.5	1286.7	1289.5
60°	1359.6	1373.9	1375.3	1376.7	1378.2
62.5°	1459.7	1465.4	1469.7	1474.0	1475.4
65°	1575.5	1576.9	1579.7	1575.5	1579.7
67.5°	1687.0	1677.0	1675.5	1679.8	1682.7
70°	1860.0	1860.0	1845.7	1865.7	1848.5
71°	1882.8	1910.0	1878.5	1922.9	1875.7
72.5°	1771.3	1821.4	1785.6	1825.6	1778.5
75°	1232.3	1348.1	1346.7	1403.9	1358.2
77.5°	341.7	320.2	341.7	294.5	281.6
80°	92.9	84.3	91.5	77.2	87.2
82.5°	61.5	52.9	51.5	41.5	44.3
85°	35.7	27.2	27.2	21.4	22.9
87.5°	5.7	1.4	5.7	2.9	4.3
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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