

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: P228703

Luminaire Tested: **ISS-AF-800-LED-E1-RW-7050-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P228703
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-7050-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) 5000K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6306.2 lumens
Efficiency: N/A
Efficacy: 104.8 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

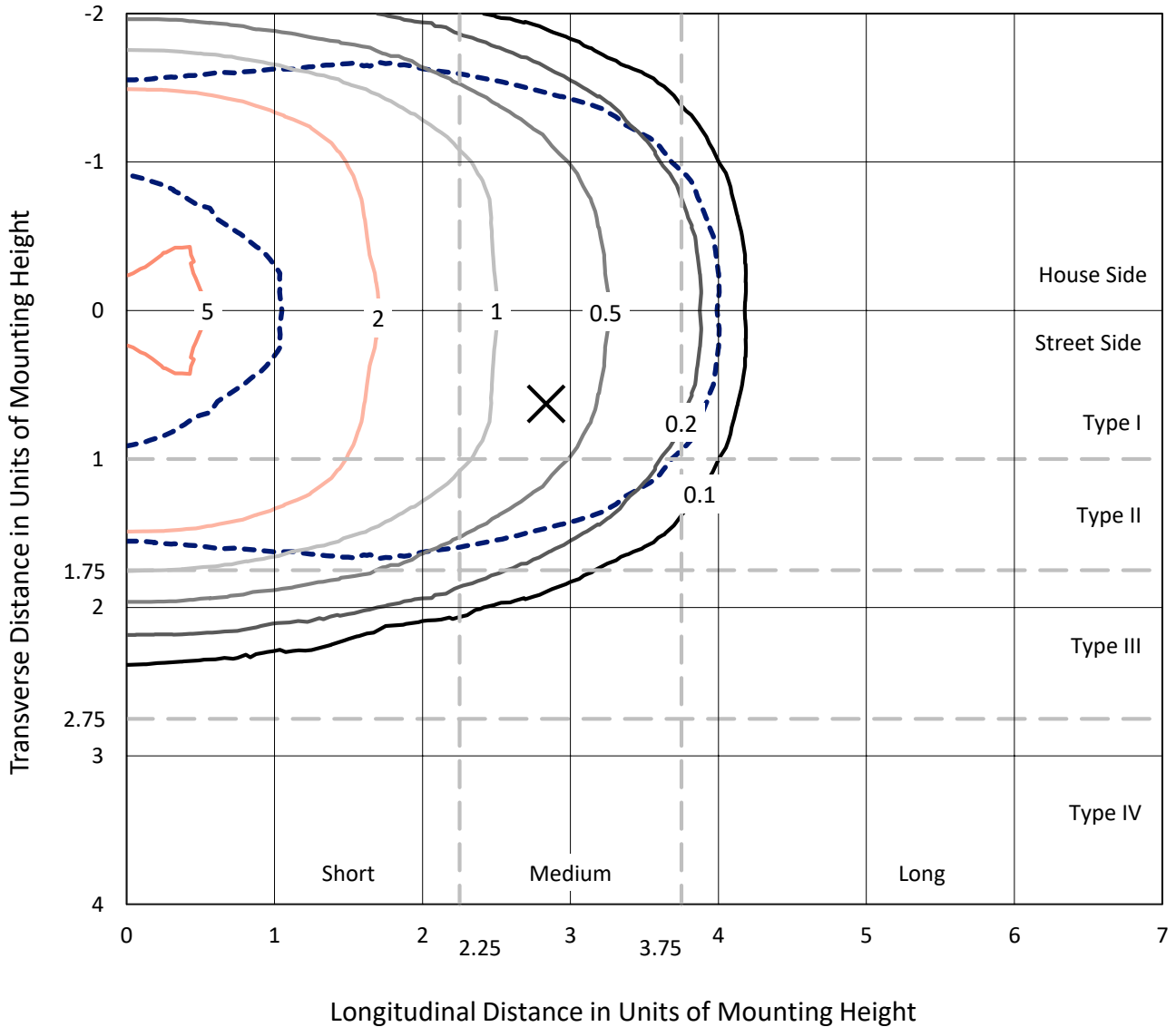


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

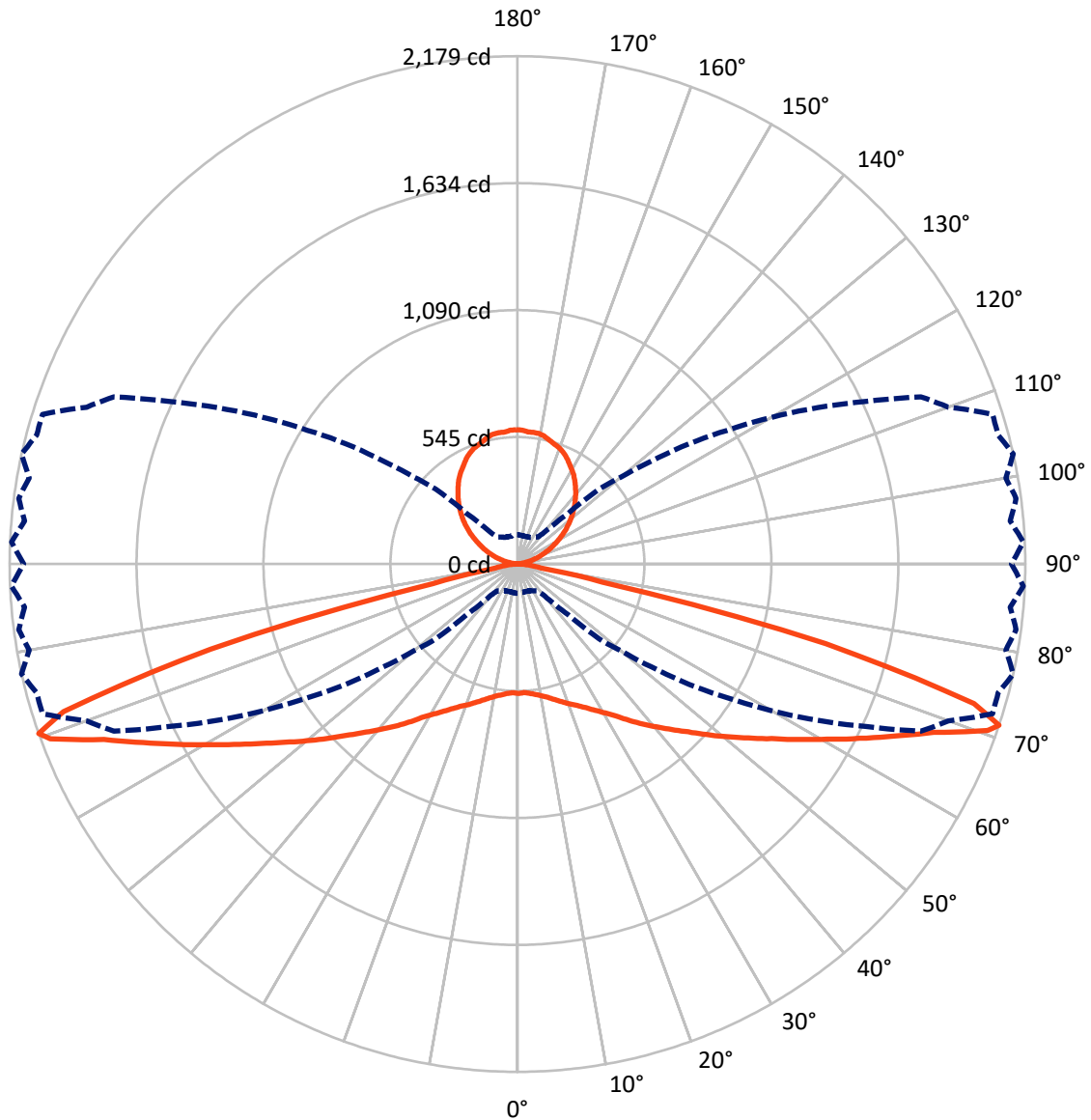


Based on 10 foot mounting height. Maximum calculated value = 5.7 fc
 Type II - Medium - Non-Cutoff

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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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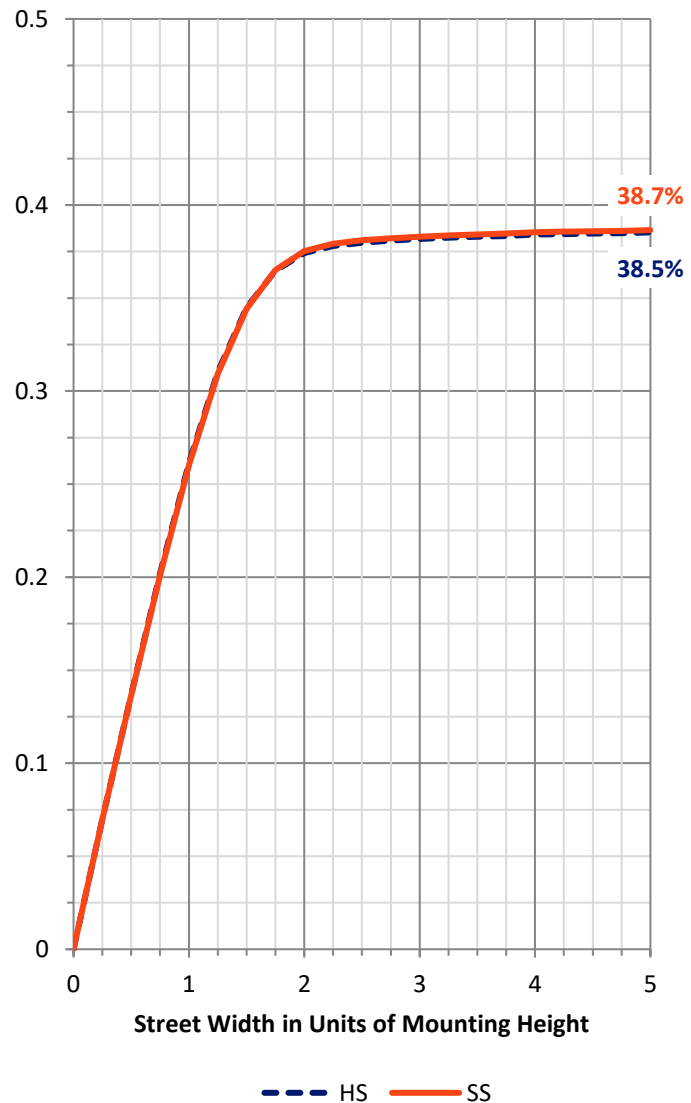
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2440.0	713.1	3153.1
	% Fixture	38.7	11.3	50.0
Street Side	Lumens	2440.0	713.1	3153.1
	% Fixture	38.7	11.3	50.0
Total	Lumens	4880.0	1426.2	6306.2
	% Fixture	77.4	22.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.7	0.9
10°-20°	167.7	2.7
20°-30°	313.9	5.0
30°-40°	546.4	8.7
40°-50°	891.5	14.1
50°-60°	1230.3	19.5
60°-70°	1167.0	18.5
70°-80°	480.4	7.6
80°-90°	29.0	0.5
90°-100°	4.7	0.1
100°-110°	69.0	1.1
110°-120°	153.0	2.4
120°-130°	223.9	3.5
130°-140°	265.6	4.2
140°-150°	269.3	4.3
150°-160°	231.1	3.7
160°-170°	155.1	2.5
170°-180°	54.3	0.9
0°-90°	4880.0	77.4
0°-180°	6306.2	100.0



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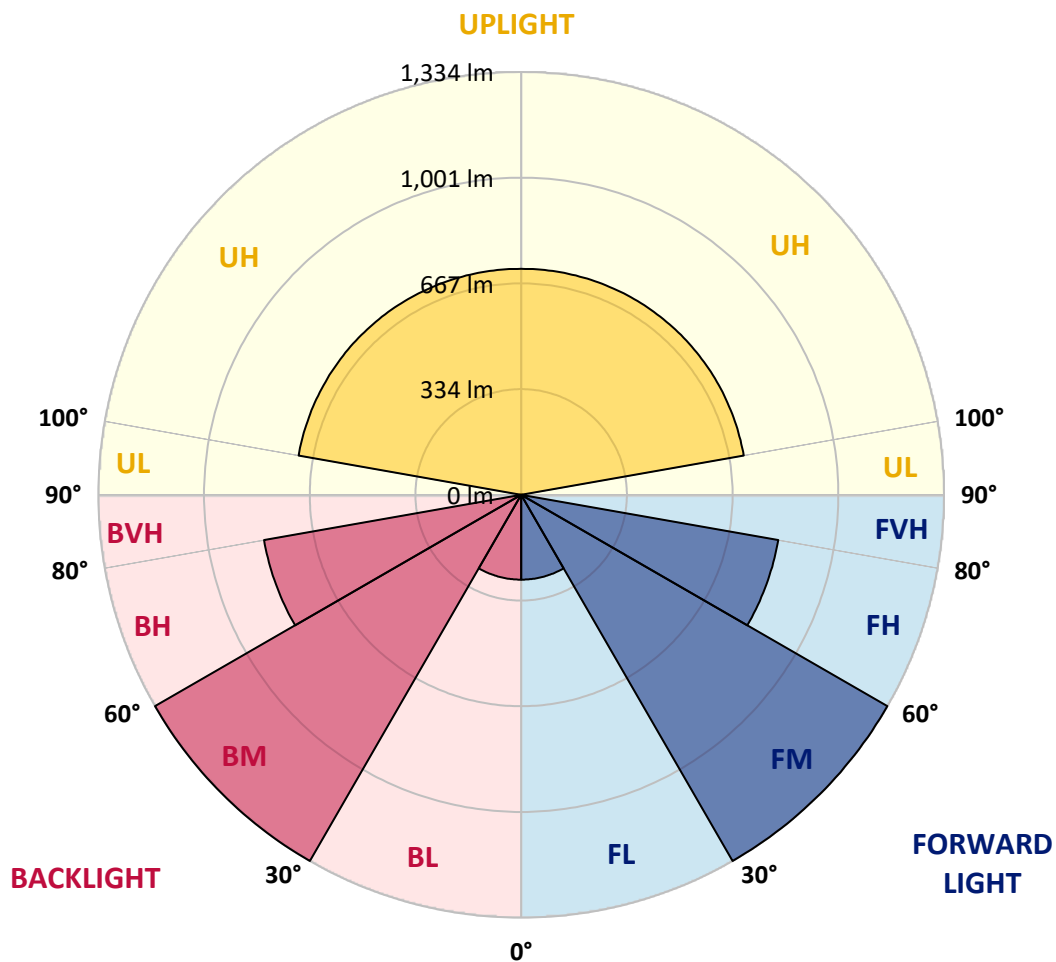
CATALOG NUMBER: ISS-AF-800-LED-E1-RW-7050-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	267.7	4.2			
FM	(30°-60°)	1334.1	21.2			
FH	(60°-80°)	823.7	13.1			G1/1800
FVH	(80°-90°)	14.5	0.2			G1/100
BL	(0°-30°)	267.7	4.2	B1/500		
BM	(30°-60°)	1334.1	21.2	B2/2500		
BH	(60°-80°)	823.7	13.1	B2/1000		G2/1000
BVH	(80°-90°)	14.5	0.2			G1/100
UL	(90°-100°)	4.7	0.1		U1/10	
UH	(100°-180°)	713.1	11.3		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°	555.7	555.7	555.7	555.7	555.7	555.7	555.7	555.7	555.7	555.7	555.7
2.5°	554.1	552.4	554.1	554.1	555.7	555.7	555.7	555.7	554.1	557.3	557.3
5°	554.1	554.1	555.7	555.7	558.9	562.1	557.3	558.9	560.5	558.9	562.1
7.5°	554.1	554.1	554.1	557.3	562.1	565.4	562.1	563.8	567.0	567.0	570.2
10°	549.2	547.6	550.8	557.3	565.4	570.2	568.6	575.1	573.4	575.1	578.3
12.5°	541.1	541.1	547.6	557.3	571.8	575.1	576.7	579.9	584.8	583.1	588.0
15°	542.8	544.4	550.8	563.8	581.5	584.8	586.4	586.4	594.4	591.2	600.9
17.5°	554.1	555.7	562.1	575.1	596.1	596.1	597.7	600.9	612.2	605.7	618.7
20°	571.8	573.4	579.9	594.4	613.8	612.2	615.4	618.7	633.2	626.7	639.7
22.5°	592.8	596.1	604.1	620.3	641.3	631.6	638.1	644.5	659.1	647.7	665.5
25°	621.9	626.7	634.8	652.6	675.2	663.9	670.4	675.2	691.4	675.2	693.0
27.5°	663.9	667.1	673.6	693.0	712.4	704.3	707.5	710.7	730.1	712.4	731.7
30°	714.0	718.8	725.3	743.1	762.4	749.5	756.0	759.2	775.4	757.6	773.7
32.5°	777.0	781.8	789.9	806.1	822.2	802.8	804.4	809.3	825.4	807.7	825.4
35°	851.3	854.5	865.8	885.2	896.5	865.8	867.4	867.4	888.4	864.2	883.6
37.5°	928.8	932.0	945.0	964.4	977.3	943.4	943.4	945.0	964.4	936.9	954.7
40°	1009.6	1019.3	1033.8	1053.2	1062.9	1024.1	1027.4	1025.7	1048.4	1016.0	1033.8
42.5°	1090.3	1098.4	1119.4	1142.0	1153.3	1114.6	1116.2	1111.3	1134.0	1100.0	1114.6
45°	1159.8	1166.3	1192.1	1224.4	1242.2	1201.8	1201.8	1201.8	1224.4	1182.4	1200.2
47.5°	1216.3	1221.2	1248.7	1295.5	1324.6	1284.2	1287.4	1281.0	1314.9	1263.2	1287.4
50°	1256.7	1258.3	1293.9	1347.2	1397.3	1360.1	1365.0	1368.2	1400.5	1355.3	1376.3
52.5°	1269.7	1272.9	1313.3	1377.9	1450.6	1426.3	1444.1	1450.6	1479.6	1431.2	1460.3
55°	1224.4	1232.5	1293.9	1389.2	1487.7	1479.6	1500.6	1513.6	1550.7	1510.3	1541.0
57.5°	1072.6	1082.3	1167.9	1324.6	1495.8	1508.7	1537.8	1558.8	1612.1	1587.9	1621.8
60°	856.1	864.2	951.4	1140.4	1394.0	1473.2	1539.4	1599.2	1654.1	1658.9	1702.6
62.5°	588.0	599.3	683.3	864.2	1172.7	1277.7	1373.0	1471.6	1563.6	1675.1	1731.6
65°	287.5	294.0	365.1	539.5	861.0	995.0	1106.5	1245.4	1331.0	1491.0	1583.0
67.5°	158.3	158.3	169.6	224.5	460.4	592.8	712.4	886.8	974.0	1171.1	1289.0
70°	132.5	132.5	129.2	137.3	174.5	206.8	268.1	368.3	489.4	688.1	794.7
71°	126.0	124.4	122.8	126.0	140.5	147.0	172.8	226.1	306.9	474.9	579.9
72.5°	117.9	114.7	109.8	111.5	119.5	119.5	124.4	132.5	163.1	222.9	298.8
75°	101.8	98.5	93.7	93.7	95.3	96.9	98.5	101.8	103.4	106.6	119.5
77.5°	84.0	80.8	75.9	75.9	74.3	75.9	79.2	80.8	77.5	84.0	85.6
80°	64.6	59.8	58.2	58.2	56.5	54.9	54.9	54.9	56.5	59.8	61.4
82.5°	40.4	37.2	38.8	37.2	35.5	35.5	35.5	35.5	37.2	37.2	40.4
85°	19.4	19.4	21.0	19.4	16.2	16.2	14.5	12.9	14.5	12.9	16.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
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°	555.7	555.7	555.7	555.7	555.7	555.7	555.7	555.7	555.7	555.7	555.7
2.5°	552.4	555.7	554.1	555.7	552.4	555.7	550.8	555.7	554.1	555.7	552.4
5°	557.3	562.1	557.3	563.8	557.3	563.8	557.3	563.8	558.9	563.8	557.3
7.5°	562.1	571.8	565.4	573.4	565.4	575.1	565.4	575.1	568.6	576.7	565.4
10°	571.8	583.1	573.4	583.1	573.4	584.8	573.4	586.4	576.7	589.6	575.1
12.5°	579.9	592.8	583.1	596.1	581.5	599.3	584.8	604.1	588.0	607.4	588.0
15°	591.2	607.4	597.7	612.2	597.7	617.1	599.3	621.9	604.1	625.1	604.1
17.5°	607.4	625.1	612.2	630.0	613.8	634.8	615.4	639.7	621.9	642.9	621.9
20°	630.0	644.5	631.6	651.0	633.2	652.6	636.4	655.8	641.3	660.7	641.3
22.5°	655.8	668.7	659.1	670.4	654.2	670.4	654.2	670.4	659.1	675.2	659.1
25°	684.9	694.6	683.3	694.6	680.1	693.0	678.4	691.4	680.1	694.6	683.3
27.5°	723.7	728.5	715.6	725.3	707.5	720.4	704.3	717.2	705.9	718.8	710.7
30°	765.7	770.5	757.6	764.1	744.7	752.7	735.0	746.3	736.6	746.3	741.4
32.5°	812.5	819.0	804.4	807.7	791.5	793.1	778.6	783.4	775.4	778.6	777.0
35°	865.8	873.9	857.7	862.6	844.8	844.8	831.9	830.3	827.1	823.8	823.8
37.5°	933.7	936.9	924.0	924.0	903.0	903.0	886.8	886.8	880.4	873.9	870.7
40°	1008.0	1009.6	988.6	987.0	966.0	966.0	948.2	943.4	932.0	924.0	919.1
42.5°	1087.1	1085.5	1054.8	1058.0	1027.4	1029.0	1006.4	1001.5	990.2	980.5	970.8
45°	1167.9	1161.4	1130.7	1129.1	1093.6	1095.2	1067.7	1064.5	1048.4	1038.7	1027.4
47.5°	1250.3	1247.0	1213.1	1205.0	1167.9	1166.3	1130.7	1130.7	1114.6	1104.9	1093.6
50°	1335.9	1334.3	1295.5	1290.7	1251.9	1245.4	1203.4	1203.4	1184.0	1180.8	1164.7
52.5°	1429.6	1423.1	1381.1	1379.5	1342.3	1337.5	1292.3	1289.0	1260.0	1258.3	1240.6
55°	1521.6	1510.3	1482.9	1470.0	1432.8	1431.2	1390.8	1382.7	1345.6	1345.6	1323.0
57.5°	1605.6	1595.9	1573.3	1562.0	1526.5	1521.6	1478.0	1478.0	1445.7	1444.1	1419.9
60°	1692.9	1696.1	1671.9	1667.0	1633.1	1631.5	1587.9	1587.9	1555.6	1553.9	1526.5
62.5°	1767.2	1799.5	1789.8	1793.0	1763.9	1759.1	1715.5	1712.3	1675.1	1670.3	1647.6
65°	1694.5	1807.6	1880.2	1928.7	1925.5	1923.9	1881.9	1875.4	1828.6	1815.6	1778.5
67.5°	1423.1	1570.1	1702.6	1847.9	1954.6	2035.3	2059.5	2049.9	2009.5	1972.3	1927.1
70°	953.0	1122.7	1290.7	1471.6	1654.1	1831.8	2014.3	2093.5	2177.5	2148.4	2140.3
71°	725.3	899.7	1067.7	1258.3	1452.2	1649.3	1873.8	1967.5	2137.1	2135.5	2179.1
72.5°	408.7	563.8	743.1	909.4	1092.0	1295.5	1526.5	1629.9	1873.8	1922.2	2048.2
75°	130.8	179.3	237.5	374.8	487.8	673.6	844.8	948.2	1109.7	1190.5	1366.6
77.5°	87.2	96.9	100.2	116.3	130.8	185.8	252.0	308.5	339.2	355.4	373.1
80°	63.0	67.8	71.1	79.2	80.8	90.5	90.5	100.2	98.5	105.0	100.2
82.5°	40.4	45.2	46.8	50.1	51.7	58.2	61.4	67.8	67.8	71.1	69.5
85°	19.4	22.6	22.6	25.8	25.8	30.7	30.7	35.5	35.5	40.4	38.8
87.5°	1.6	1.6	1.6	3.2	3.2	3.2	4.8	6.5	6.5	6.5	6.5
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°	555.7	555.7	555.7	555.7	555.7
2.5°	557.3	555.7	557.3	554.1	557.3
5°	565.4	558.9	567.0	558.9	567.0
7.5°	578.3	570.2	579.9	567.0	578.3
10°	589.6	578.3	591.2	578.3	589.6
12.5°	609.0	591.2	612.2	591.2	612.2
15°	628.4	607.4	633.2	610.6	631.6
17.5°	646.1	626.7	651.0	628.4	649.4
20°	662.3	644.5	665.5	642.9	665.5
22.5°	678.4	667.1	683.3	667.1	683.3
25°	699.4	691.4	702.7	691.4	702.7
27.5°	723.7	720.4	726.9	718.8	728.5
30°	751.1	752.7	754.4	752.7	756.0
32.5°	785.1	793.1	789.9	789.9	789.9
35°	831.9	846.4	836.7	840.0	838.4
37.5°	875.5	896.5	883.6	888.4	885.2
40°	924.0	938.5	935.3	935.3	932.0
42.5°	977.3	995.0	990.2	991.8	988.6
45°	1035.4	1051.6	1045.1	1043.5	1045.1
47.5°	1101.7	1119.4	1111.3	1109.7	1111.3
50°	1171.1	1192.1	1185.7	1182.4	1185.7
52.5°	1247.0	1272.9	1269.7	1266.4	1271.3
55°	1335.9	1360.1	1356.9	1360.1	1361.7
57.5°	1424.7	1452.2	1445.7	1453.8	1457.0
60°	1536.2	1552.3	1553.9	1555.6	1557.2
62.5°	1649.3	1655.7	1660.6	1665.4	1667.0
65°	1780.1	1781.7	1784.9	1780.1	1784.9
67.5°	1906.1	1894.8	1893.2	1898.0	1901.2
70°	2101.5	2101.5	2085.4	2108.0	2088.6
71°	2127.4	2158.1	2122.5	2172.6	2119.3
72.5°	2001.4	2057.9	2017.6	2062.8	2009.5
75°	1392.4	1523.3	1521.6	1586.3	1534.6
77.5°	386.1	361.8	386.1	332.8	318.2
80°	105.0	95.3	103.4	87.2	98.5
82.5°	69.5	59.8	58.2	46.8	50.1
85°	40.4	30.7	30.7	24.2	25.8
87.5°	6.5	1.6	6.5	3.2	4.8
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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