

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: P227490

Luminaire Tested: **IST-AF-1000-LED-E1-RW-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227490
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29767)-DOWNLIGHT AND
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: IST-AF-1000-LED-E1-RW-ULG
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-RECTANGULAR WIDE TYPE I, WITH UPLIGHT
GLOW
Light Source: (16) 4000K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7887.8 lumens
Efficiency: N/A
Efficacy: 110.6 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

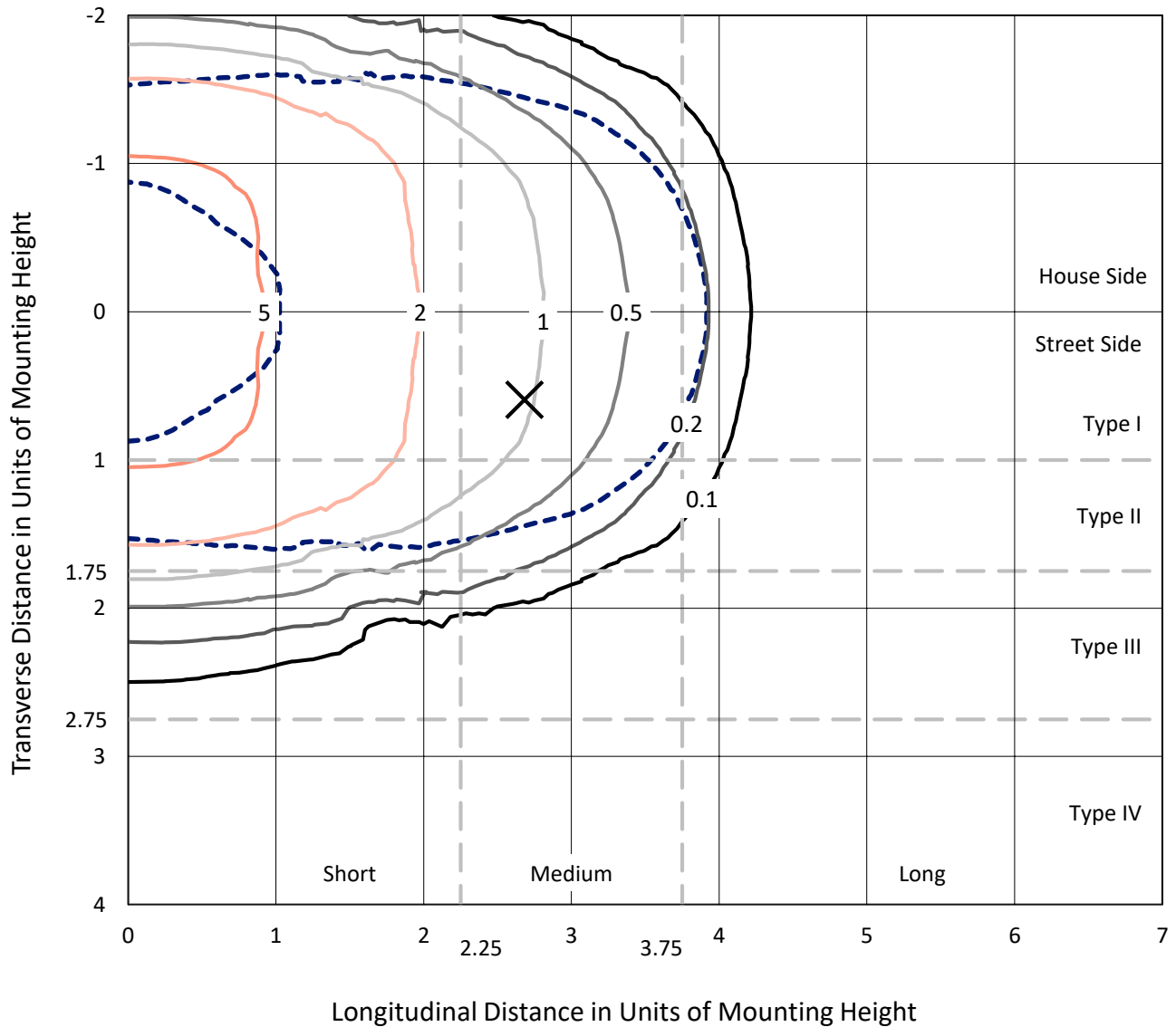
Input Watts (W): 71.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

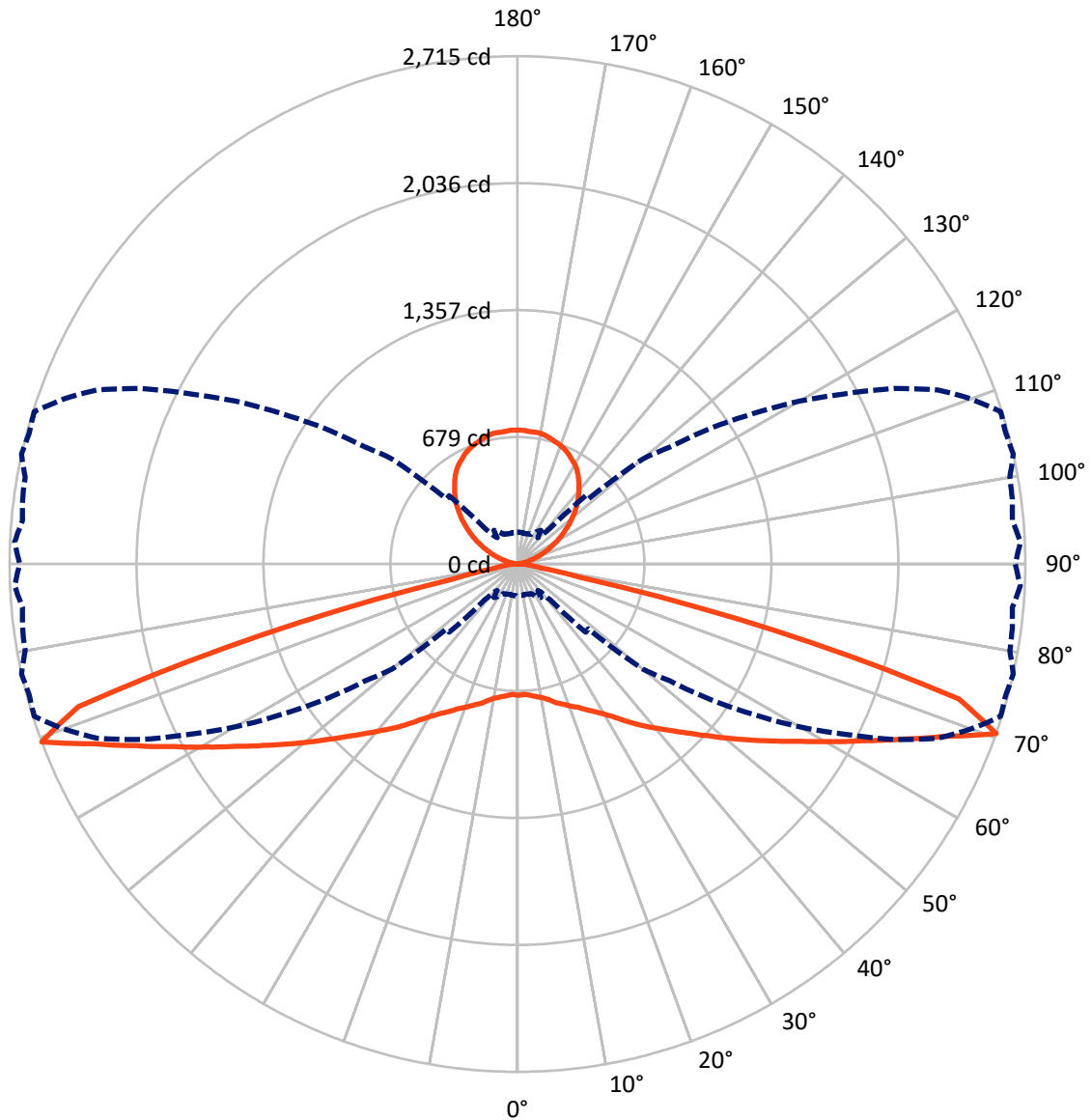
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.2 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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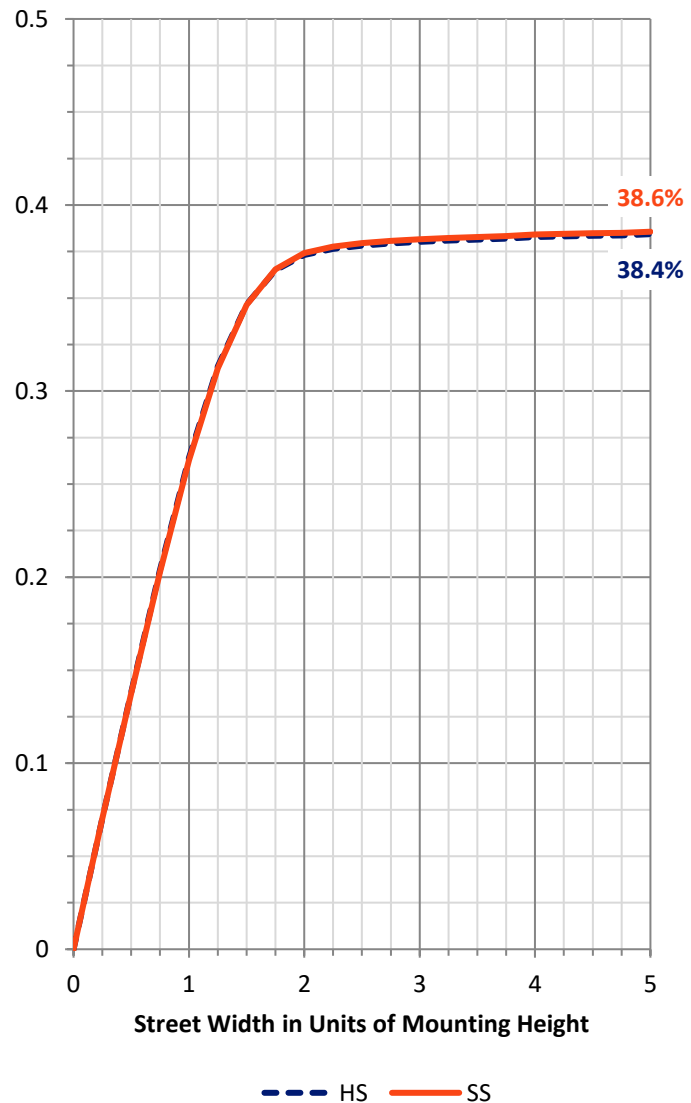
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3056.0	888.0	3943.9
	% Fixture	38.7	11.3	50.0
Street Side	Lumens	3056.0	888.0	3943.9
	% Fixture	38.7	11.3	50.0
Total	Lumens	6111.9	1775.9	7887.8
	% Fixture	77.5	22.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.8	0.9
10°-20°	212.2	2.7
20°-30°	398.3	5.0
30°-40°	696.1	8.8
40°-50°	1134.7	14.4
50°-60°	1552.8	19.7
60°-70°	1428.4	18.1
70°-80°	558.4	7.1
80°-90°	63.2	0.8
90°-100°	10.4	0.1
100°-110°	58.7	0.7
110°-120°	169.9	2.2
120°-130°	279.4	3.5
130°-140°	344.6	4.4
140°-150°	352.5	4.5
150°-160°	297.0	3.8
160°-170°	195.5	2.5
170°-180°	67.8	0.9
0°-90°	6111.9	77.5
0°-180°	7887.8	100.0



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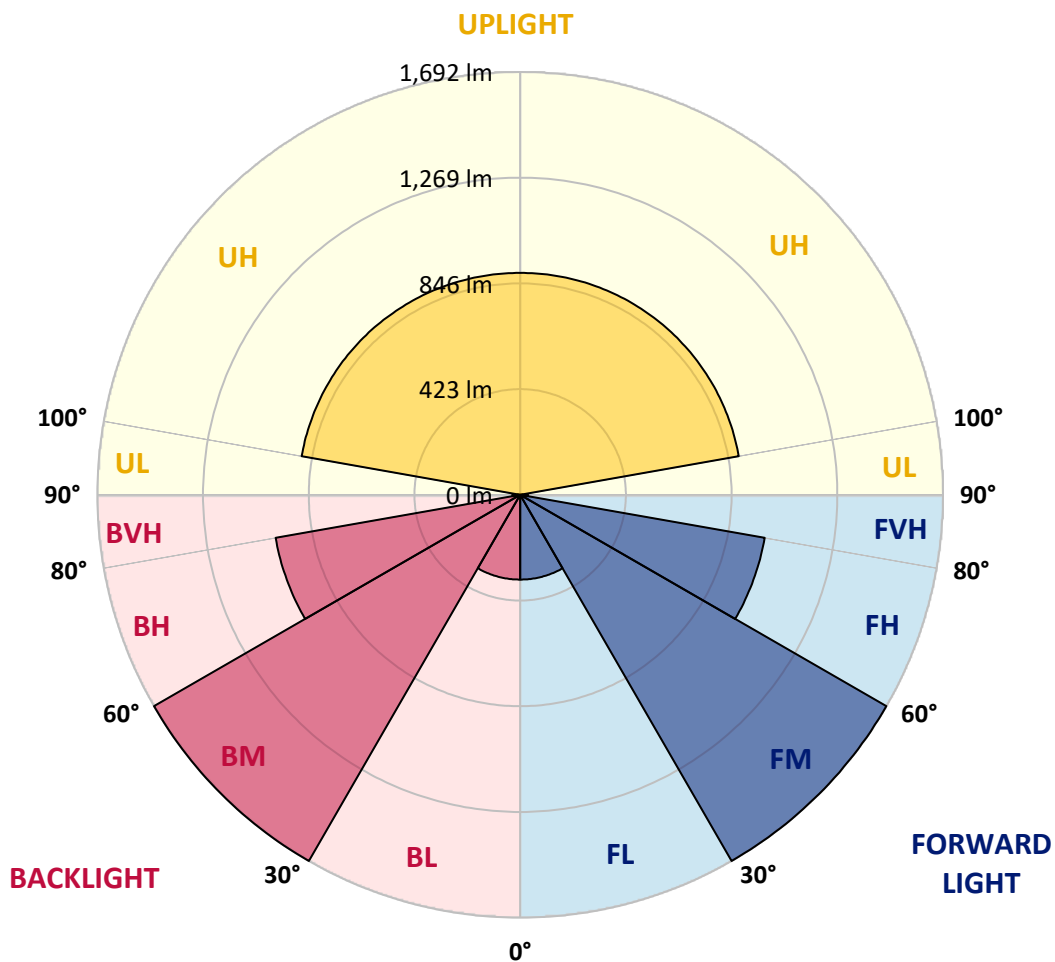
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	339.2	4.3			
FM	(30°-60°)	1691.8	21.4			
FH	(60°-80°)	993.4	12.6			G1/1800
FVH	(80°-90°)	31.6	0.4			G1/100
BL	(0°-30°)	339.2	4.3	B1/500		
BM	(30°-60°)	1691.8	21.4	B2/2500		
BH	(60°-80°)	993.4	12.6	B2/1000		G2/1000
BVH	(80°-90°)	31.6	0.4			G1/100
UL	(90°-100°)	10.4	0.1		U2/50	
UH	(100°-180°)	888.0	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°	702.1	702.1	702.1	702.1	702.1	702.1	702.1	702.1	702.1	702.1	702.1
2.5°	699.4	698.5	698.5	699.4	701.2	702.1	700.3	701.2	701.2	700.3	703.0
5°	701.2	700.3	701.2	703.0	705.7	708.4	707.5	707.5	708.4	706.6	711.1
7.5°	699.4	698.5	700.3	704.8	711.1	714.6	714.6	714.6	716.5	715.6	721.0
10°	691.3	690.4	694.9	703.0	714.6	717.4	720.1	721.0	726.4	726.4	731.7
12.5°	684.1	685.0	691.3	703.9	722.8	723.6	727.2	730.9	738.1	734.5	744.3
15°	686.8	688.7	696.7	712.0	737.1	736.2	739.0	742.6	754.2	746.1	762.3
17.5°	700.3	703.0	712.0	730.0	756.1	751.6	755.1	760.6	775.8	765.9	784.8
20°	721.9	725.5	735.4	755.1	779.4	774.9	778.5	784.8	802.8	792.9	811.8
22.5°	750.6	754.2	765.1	787.5	813.6	808.1	811.8	817.1	837.0	821.6	845.1
25°	789.3	792.9	804.6	828.0	857.6	851.3	853.1	856.7	877.4	859.4	881.9
27.5°	843.2	846.8	856.7	879.2	908.0	902.5	904.4	908.0	929.6	911.6	931.3
30°	911.6	915.1	924.1	946.6	970.9	964.5	967.3	970.0	989.8	971.8	988.0
32.5°	992.5	991.5	1005.0	1028.4	1050.0	1038.3	1038.3	1038.3	1057.2	1039.2	1051.8
35°	1087.7	1087.7	1101.2	1123.7	1143.5	1130.0	1123.7	1120.1	1140.8	1118.3	1127.3
37.5°	1192.0	1187.5	1208.2	1228.9	1247.8	1230.7	1225.3	1220.8	1236.0	1210.9	1215.4
40°	1302.6	1299.0	1321.4	1344.9	1357.5	1335.0	1330.4	1325.0	1341.3	1316.9	1316.1
42.5°	1403.3	1400.6	1429.4	1456.4	1471.6	1442.9	1436.5	1431.1	1449.1	1424.9	1419.4
45°	1488.7	1487.8	1521.0	1558.0	1584.9	1554.3	1549.8	1540.9	1558.8	1529.1	1526.4
47.5°	1555.2	1551.6	1592.1	1646.0	1689.2	1657.7	1656.8	1650.5	1669.4	1637.0	1633.4
50°	1600.2	1602.9	1647.0	1709.9	1779.9	1750.3	1753.0	1750.3	1778.2	1745.8	1750.3
52.5°	1608.3	1613.6	1670.3	1753.0	1850.9	1815.0	1835.7	1843.8	1878.9	1850.9	1859.9
55°	1512.0	1527.4	1613.6	1757.4	1895.0	1872.5	1898.6	1922.0	1971.4	1948.1	1964.3
57.5°	1297.2	1328.7	1428.4	1637.0	1889.6	1902.2	1955.3	1991.2	2051.4	2030.8	2068.5
60°	1002.4	1024.0	1134.5	1378.1	1717.0	1734.1	1830.3	1944.4	2082.9	2111.7	2171.0
62.5°	656.2	668.8	776.7	1024.0	1419.4	1424.9	1544.5	1692.8	1932.8	1995.7	2162.0
65°	325.4	342.5	400.1	589.7	994.3	987.0	1118.3	1291.8	1602.9	1672.1	1942.7
67.5°	203.2	205.8	217.6	273.3	498.1	442.3	550.1	731.7	1108.5	1170.5	1513.9
70°	170.8	169.9	167.3	175.3	219.3	178.0	196.9	257.1	516.0	513.3	872.9
72.5°	157.3	154.7	147.4	146.5	152.8	140.2	142.1	145.7	206.7	173.5	336.2
75°	144.7	139.3	130.3	127.7	127.7	117.7	117.7	118.7	133.9	125.8	152.8
77.5°	129.4	123.2	114.2	110.6	107.0	96.2	95.3	96.2	107.9	100.7	114.2
80°	111.5	105.2	98.9	93.5	88.1	78.3	75.5	75.5	85.4	78.3	89.0
82.5°	97.1	89.0	87.2	78.3	70.1	61.2	58.4	53.9	62.9	54.8	66.5
85°	71.9	65.7	82.7	69.3	55.8	49.4	39.6	33.2	39.6	32.3	42.2
87.5°	41.3	38.7	72.8	54.8	49.4	53.0	32.3	23.3	22.5	19.7	23.3
90°	13.2	14.1	18.8	16.3	18.9	13.3	10.3	10.0	12.6	10.7	13.5
92.5°	4.1	4.1	5.1	6.1	6.1	6.1	6.1	6.1	6.1	6.3	6.6
95°	5.1	5.1	6.1	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
97.5°	7.2	7.2	8.2	8.2	9.2	9.2	9.2	9.2	9.2	10.0	10.7
100°	8.2	8.2	9.2	10.2	12.3	14.5	16.9	19.2	21.5	23.5	25.6
102.5°	11.3	11.3	13.3	18.4	27.6	30.9	34.3	37.6	40.9	43.5	46.0
105°	21.5	22.5	27.6	36.8	49.1	53.0	56.8	60.6	64.4	66.7	69.0
107.5°	41.9	43.0	50.1	59.3	74.7	78.6	82.3	86.1	90.0	91.9	93.6
110°	67.5	69.6	75.7	89.0	104.3	107.4	110.5	113.5	116.6	118.2	119.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	37.5°	40°	42.5°	45°	47.5°	50°
112.5°	101.3	101.3	108.4	123.8	137.1	139.3	141.7	144.0	146.3	147.5	148.8
115°	143.2	142.2	150.4	162.6	171.9	173.4	174.9	176.5	178.0	179.2	180.6
117.5°	188.2	188.2	193.3	201.5	206.6	207.5	208.2	208.9	209.7	211.2	212.8
120°	230.2	228.1	231.2	238.3	242.4	244.0	245.5	247.0	248.6	249.4	250.1
122.5°	269.0	266.0	267.0	273.1	277.2	278.8	280.3	281.8	283.4	283.9	284.4
125°	304.8	300.7	302.8	305.9	312.0	313.2	314.6	315.9	317.1	317.9	318.6
127.5°	337.6	336.6	336.6	340.6	346.8	347.0	347.3	347.6	347.8	349.0	350.4
130°	371.3	369.3	370.3	374.4	378.5	379.0	379.5	380.0	380.5	381.8	383.1
132.5°	405.1	403.0	402.0	410.2	413.3	413.5	413.8	414.1	414.3	415.8	417.4
135°	438.8	435.8	435.8	441.9	445.0	445.5	446.0	446.5	447.0	448.6	450.1
137.5°	470.6	467.5	469.5	470.6	474.6	475.7	476.7	477.7	478.7	480.0	481.3
140°	499.2	496.1	498.2	500.2	502.3	503.8	505.3	506.9	508.4	509.2	509.9
142.5°	529.9	526.8	528.9	529.9	533.0	534.0	535.0	536.0	537.0	537.6	538.1
145°	562.6	558.5	556.5	559.6	562.6	562.8	563.1	563.4	563.6	564.9	566.2
147.5°	588.2	585.1	584.1	587.2	587.2	587.4	587.7	588.0	588.2	589.4	590.8
150°	608.7	605.6	606.6	606.6	606.6	606.6	606.6	606.6	606.6	607.6	608.7
152.5°	625.0	622.0	622.0	623.0	624.0	624.0	624.0	624.0	624.0	624.2	624.5
155°	643.4	639.3	639.3	641.4	644.5	643.9	643.4	642.9	642.4	641.9	641.4
157.5°	660.8	657.8	657.8	658.8	660.8	660.6	660.3	660.0	659.8	659.6	659.3
160°	678.2	675.1	674.1	671.1	670.0	670.0	670.0	670.0	670.0	670.9	671.6
162.5°	688.4	684.4	684.4	680.3	676.2	676.7	677.2	677.7	678.2	679.2	680.3
165°	696.6	693.6	691.5	691.5	688.4	688.4	688.4	688.4	688.4	688.2	687.9
167.5°	705.8	702.8	699.7	701.7	703.8	703.0	702.3	701.5	700.7	698.9	697.1
170°	714.0	711.0	707.9	707.9	708.9	708.4	707.9	707.4	706.9	705.6	704.3
172.5°	715.0	713.0	711.0	708.9	705.8	705.8	705.8	705.8	705.8	705.6	705.3
175°	716.1	714.0	713.0	711.0	706.9	706.7	706.3	706.0	705.8	705.8	705.8
177.5°	723.2	721.2	716.1	715.0	713.0	712.5	712.0	711.5	711.0	710.7	710.4
180°	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1



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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°	702.1	702.1	702.1	702.1	702.1	702.1	702.1	702.1	702.1	702.1	702.1
2.5°	700.3	703.0	699.4	703.0	696.7	702.1	697.6	703.0	698.5	703.0	697.6
5°	704.8	712.0	703.9	713.8	702.1	713.8	703.9	714.6	705.7	714.6	704.8
7.5°	712.0	724.6	713.8	726.4	712.0	728.1	714.6	730.0	716.5	730.9	715.6
10°	721.0	737.1	722.8	739.0	721.9	740.7	723.6	743.5	725.5	745.2	726.4
12.5°	729.1	749.7	733.6	755.1	736.2	758.7	739.0	764.1	742.6	768.6	744.3
15°	744.3	771.3	750.6	776.7	755.1	781.2	759.6	788.4	764.1	793.8	768.6
17.5°	764.1	793.8	772.2	798.3	774.9	803.6	780.3	809.1	784.8	815.4	787.5
20°	791.0	820.7	798.3	823.5	801.0	827.1	803.6	829.7	809.1	835.1	810.9
22.5°	821.6	849.6	825.2	850.4	825.2	849.6	827.1	850.4	829.7	854.1	832.5
25°	858.6	884.5	860.3	881.9	856.7	878.3	856.7	878.3	859.4	880.0	863.9
27.5°	909.7	929.6	904.4	923.2	896.3	915.1	892.6	911.6	893.5	911.6	895.4
30°	967.3	985.3	956.5	971.8	942.1	956.5	932.2	948.4	929.6	946.6	934.1
32.5°	1030.2	1044.6	1015.8	1028.4	997.9	1010.5	984.4	995.1	979.0	989.8	981.6
35°	1100.3	1114.7	1085.0	1096.7	1066.2	1077.0	1050.9	1056.3	1040.1	1047.3	1040.1
37.5°	1184.0	1196.5	1162.4	1173.1	1139.9	1153.4	1121.9	1127.3	1107.5	1112.0	1097.6
40°	1273.9	1287.3	1246.9	1257.6	1216.3	1231.6	1196.5	1200.1	1173.1	1177.6	1155.2
42.5°	1371.0	1383.5	1333.2	1342.1	1293.6	1309.8	1268.5	1275.6	1243.3	1247.8	1218.9
45°	1477.9	1485.1	1429.4	1435.6	1377.2	1393.4	1341.3	1354.7	1316.1	1325.0	1291.8
47.5°	1577.7	1592.1	1530.9	1536.4	1473.4	1483.3	1423.0	1441.0	1399.7	1413.2	1372.7
50°	1691.9	1702.6	1644.2	1645.1	1583.9	1587.6	1520.1	1538.1	1493.2	1507.5	1464.5
52.5°	1808.7	1815.9	1753.0	1759.3	1699.0	1705.4	1637.9	1645.1	1592.9	1605.5	1563.3
55°	1922.0	1923.8	1871.7	1869.9	1813.2	1824.9	1750.3	1766.4	1704.4	1717.9	1670.3
57.5°	2035.3	2041.5	1993.0	1994.9	1938.2	1946.3	1878.9	1890.5	1832.1	1848.3	1788.9
60°	2154.8	2174.6	2126.9	2133.3	2079.4	2095.5	2013.7	2028.9	1965.2	1991.2	1927.3
62.5°	2231.3	2304.9	2295.9	2305.8	2254.6	2262.7	2178.2	2202.5	2126.1	2144.9	2079.4
65°	2085.6	2266.2	2358.0	2458.7	2461.3	2487.4	2405.7	2414.7	2338.3	2333.8	2256.4
67.5°	1699.9	1922.8	2077.5	2284.2	2429.0	2568.3	2618.7	2631.2	2589.9	2545.9	2458.7
70°	1025.7	1269.4	1496.8	1740.4	1968.8	2219.6	2432.6	2580.0	2708.6	2702.3	2714.9
72.5°	405.4	607.7	759.6	988.0	1214.5	1492.3	1727.8	1935.5	2156.6	2292.3	2468.6
75°	160.0	211.2	247.2	374.9	482.7	689.5	897.1	1009.6	1183.0	1301.7	1423.9
77.5°	115.1	125.8	127.7	148.3	156.4	216.7	253.5	292.2	329.0	352.4	347.9
80°	89.0	96.2	96.2	105.2	104.2	116.0	113.2	124.1	123.2	132.2	125.8
82.5°	66.5	71.0	71.0	78.3	78.3	85.4	83.6	90.8	88.1	94.4	88.1
85°	43.2	47.7	47.7	51.2	49.4	56.7	55.8	61.2	58.4	61.2	56.7
87.5°	24.2	27.0	27.8	30.6	27.8	33.2	32.3	35.1	32.3	35.1	33.2
90°	10.7	12.6	11.3	13.6	11.4	17.3	13.7	18.2	11.9	19.9	13.2
92.5°	7.0	7.2	7.2	7.2	7.2	7.2	7.0	6.6	6.3	6.1	6.1
95°	7.2	7.2	7.4	7.7	8.0	8.2	8.0	7.7	7.4	7.2	7.2
97.5°	11.5	12.3	11.8	11.3	10.7	10.2	10.0	9.7	9.4	9.2	9.0
100°	27.6	29.7	28.8	28.1	27.4	26.6	25.8	25.1	24.3	23.5	22.5
102.5°	48.6	51.1	50.3	49.6	48.9	48.1	46.9	45.5	44.2	43.0	42.1
105°	71.4	73.7	73.1	72.6	72.1	71.6	70.4	69.0	67.7	66.5	65.5
107.5°	95.3	97.2	97.0	96.7	96.4	96.2	95.1	94.1	93.1	92.1	91.2
110°	121.2	122.8	123.0	123.3	123.6	123.8	123.3	122.8	122.2	121.7	120.9



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CANDELA DISTRIBUTION (continued):

	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°
112.5°	150.2	151.4	151.9	152.4	152.9	153.4	153.2	152.9	152.6	152.4	151.9
115°	181.9	183.1	183.9	184.6	185.4	186.2	185.4	184.6	183.9	183.1	182.6
117.5°	214.3	215.8	216.9	217.9	218.9	219.9	218.7	217.4	216.0	214.8	214.3
120°	250.8	251.6	252.7	253.7	254.7	255.7	254.5	253.2	251.9	250.6	250.1
122.5°	284.9	285.4	286.4	287.4	288.5	289.5	288.3	286.9	285.6	284.4	283.9
125°	319.4	320.2	320.7	321.2	321.7	322.2	321.0	319.7	318.3	317.1	317.1
127.5°	351.7	352.9	353.1	353.4	353.7	353.9	353.9	353.9	353.9	353.9	353.7
130°	384.4	385.7	386.7	387.7	388.7	389.7	389.7	389.7	389.7	389.7	389.2
132.5°	418.9	420.4	421.7	423.0	424.3	425.5	425.0	424.5	424.0	423.5	423.5
135°	451.6	453.2	454.4	455.7	457.1	458.3	458.1	457.8	457.5	457.3	458.1
137.5°	482.6	483.9	484.4	484.9	485.4	485.9	486.1	486.4	486.7	486.9	488.2
140°	510.7	511.5	512.0	512.5	513.0	513.5	514.0	514.5	515.1	515.6	516.8
142.5°	538.6	539.1	540.6	542.2	543.7	545.2	545.2	545.2	545.2	545.2	545.4
145°	567.5	568.8	570.3	571.8	573.4	574.9	574.7	574.4	574.1	573.9	573.1
147.5°	592.1	593.3	594.5	595.9	597.2	598.4	598.6	598.9	599.2	599.4	598.6
150°	609.7	610.7	611.5	612.2	613.0	613.8	614.6	615.3	616.0	616.8	617.7
152.5°	624.8	625.0	625.8	626.6	627.3	628.1	629.1	630.1	631.2	632.2	633.4
155°	640.9	640.4	641.6	642.9	644.3	645.5	646.7	648.0	649.4	650.6	651.1
157.5°	659.0	658.8	659.8	660.8	661.8	662.9	663.4	663.9	664.4	664.9	664.9
160°	672.3	673.1	674.6	676.2	677.7	679.2	678.4	677.7	677.0	676.2	676.0
162.5°	681.3	682.3	683.3	684.4	685.4	686.4	686.2	685.9	685.6	685.4	684.9
165°	687.6	687.4	688.7	690.0	691.3	692.5	693.4	694.1	694.8	695.6	695.1
167.5°	695.4	693.6	695.1	696.6	698.2	699.7	700.7	701.7	702.8	703.8	703.8
170°	703.0	701.7	702.6	703.3	704.0	704.8	706.0	707.4	708.7	709.9	710.4
172.5°	705.0	704.8	705.6	706.3	707.1	707.9	708.4	708.9	709.4	709.9	710.4
175°	705.8	705.8	707.1	708.4	709.7	711.0	711.2	711.5	711.8	712.0	711.5
177.5°	710.1	709.9	711.2	712.5	713.8	715.0	715.6	716.1	716.6	717.1	716.3
180°	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1

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CANDELA DISTRIBUTION (continued):

	80°	82.5°	85°	87.5°	90°
0°	702.1	702.1	702.1	702.1	702.1
2.5°	702.1	700.3	703.9	698.5	703.0
5°	714.6	706.6	716.5	706.6	715.6
7.5°	731.7	718.3	732.6	718.3	732.6
10°	748.0	725.5	748.8	727.2	749.7
12.5°	772.2	745.2	775.8	746.1	775.8
15°	799.2	768.6	802.8	769.6	804.6
17.5°	820.7	791.0	824.4	791.0	825.2
20°	838.7	815.4	843.2	815.4	845.9
22.5°	859.4	842.3	864.8	842.3	870.2
25°	886.4	874.7	892.6	876.5	896.3
27.5°	917.9	909.7	924.1	912.5	927.7
30°	954.7	952.0	959.2	953.8	962.8
32.5°	996.0	1002.4	1002.4	1002.4	1006.0
35°	1056.3	1061.7	1061.7	1063.5	1064.4
37.5°	1113.8	1122.8	1121.9	1124.6	1124.6
40°	1174.0	1185.7	1185.7	1185.7	1187.5
42.5°	1240.5	1253.1	1255.0	1249.5	1253.1
45°	1315.2	1319.7	1324.2	1321.4	1327.8
47.5°	1395.2	1399.7	1403.3	1399.7	1409.6
50°	1489.6	1488.7	1498.6	1488.7	1503.0
52.5°	1588.4	1596.5	1602.9	1592.9	1602.9
55°	1699.9	1697.3	1717.9	1704.4	1717.9
57.5°	1822.2	1822.2	1842.8	1830.3	1845.6
60°	1966.9	1955.3	1984.0	1963.3	1984.0
62.5°	2113.5	2092.8	2125.2	2107.2	2134.2
65°	2282.5	2252.8	2283.3	2260.0	2284.2
67.5°	2453.2	2419.1	2429.0	2417.3	2430.8
70°	2672.7	2668.2	2656.4	2690.6	2660.9
72.5°	2440.7	2492.8	2450.6	2532.4	2476.7
75°	1499.4	1595.7	1648.7	1732.3	1718.9
77.5°	355.1	315.6	347.9	311.9	351.5
80°	131.2	119.6	125.0	108.7	121.3
82.5°	89.9	78.3	75.5	60.3	64.8
85°	57.5	46.7	43.2	36.0	39.6
87.5°	34.2	26.1	24.2	20.7	21.6
90°	18.1	11.3	14.3	9.0	13.5
92.5°	6.1	6.1	6.1	6.1	6.1
95°	7.2	7.2	7.2	7.2	7.2
97.5°	8.7	8.4	8.2	8.2	8.2
100°	21.5	20.5	19.4	19.4	19.4
102.5°	41.4	40.7	39.9	39.4	38.9
105°	64.4	63.4	62.4	62.4	62.4
107.5°	90.5	89.8	89.0	88.5	88.0
110°	120.2	119.5	118.7	119.2	119.7



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CANDELA DISTRIBUTION (continued):

	80°	82.5°	85°	87.5°	90°
112.5°	151.4	150.9	150.4	150.4	150.4
115°	182.1	181.6	181.1	181.6	182.1
117.5°	213.8	213.3	212.8	213.3	213.8
120°	249.6	249.1	248.6	248.6	248.6
122.5°	283.4	282.8	282.3	282.8	283.4
125°	317.1	317.1	317.1	317.1	317.1
127.5°	353.4	353.1	352.9	353.9	355.0
130°	388.7	388.2	387.7	388.2	388.7
132.5°	423.5	423.5	423.5	424.0	424.5
135°	458.8	459.5	460.3	460.8	461.4
137.5°	489.5	490.8	492.0	492.6	493.1
140°	518.1	519.5	520.7	521.7	522.7
142.5°	545.7	546.1	546.3	547.3	548.3
145°	572.3	571.6	570.8	571.8	572.9
147.5°	597.9	597.2	596.4	597.4	598.4
150°	618.4	619.1	619.9	622.0	624.0
152.5°	634.7	636.1	637.3	639.9	642.4
155°	651.6	652.1	652.6	654.2	655.7
157.5°	664.9	664.9	664.9	667.5	670.0
160°	675.7	675.4	675.1	678.2	681.3
162.5°	684.4	683.8	683.3	686.4	689.5
165°	694.6	694.1	693.6	695.6	697.7
167.5°	703.8	703.8	703.8	706.9	709.9
170°	711.0	711.5	712.0	714.5	717.1
172.5°	711.0	711.5	712.0	714.5	717.1
175°	711.0	710.4	709.9	712.5	715.0
177.5°	715.6	714.8	714.0	716.1	718.1
180°	716.1	716.1	716.1	716.1	716.1

(END OF REPORT)