

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: P227110

Luminaire Tested: **IST-AF-1000-LED-E1-SL4-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P227110
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35947)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: IST-AF-1000-LED-E1-SL4-8030
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE
LIGHT SQUARE WITH ACCULED OPTICS-TYPE IV W/SPILL CONTROL
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4418.5 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U1 - G1

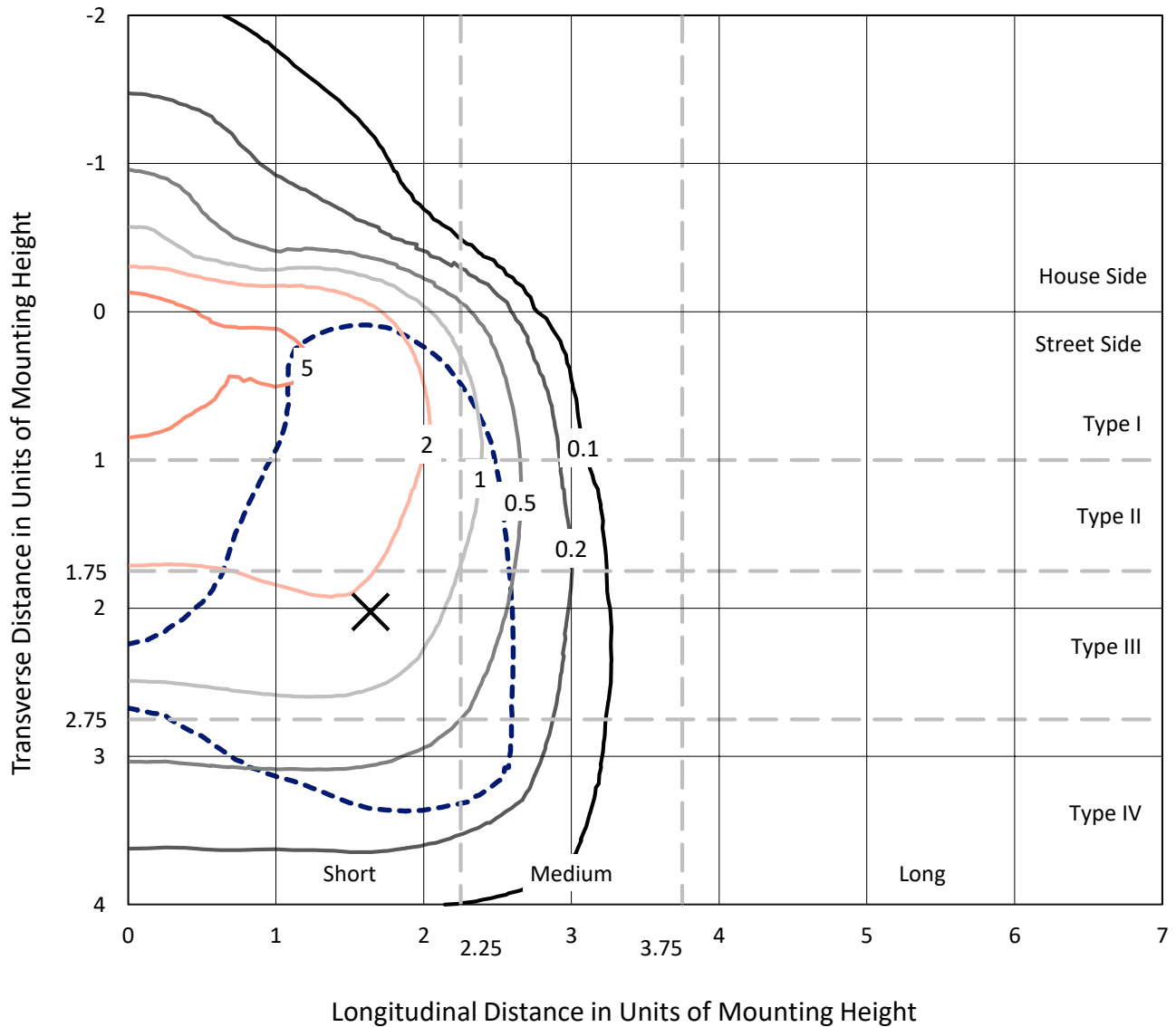
Input Watts (W): 54.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

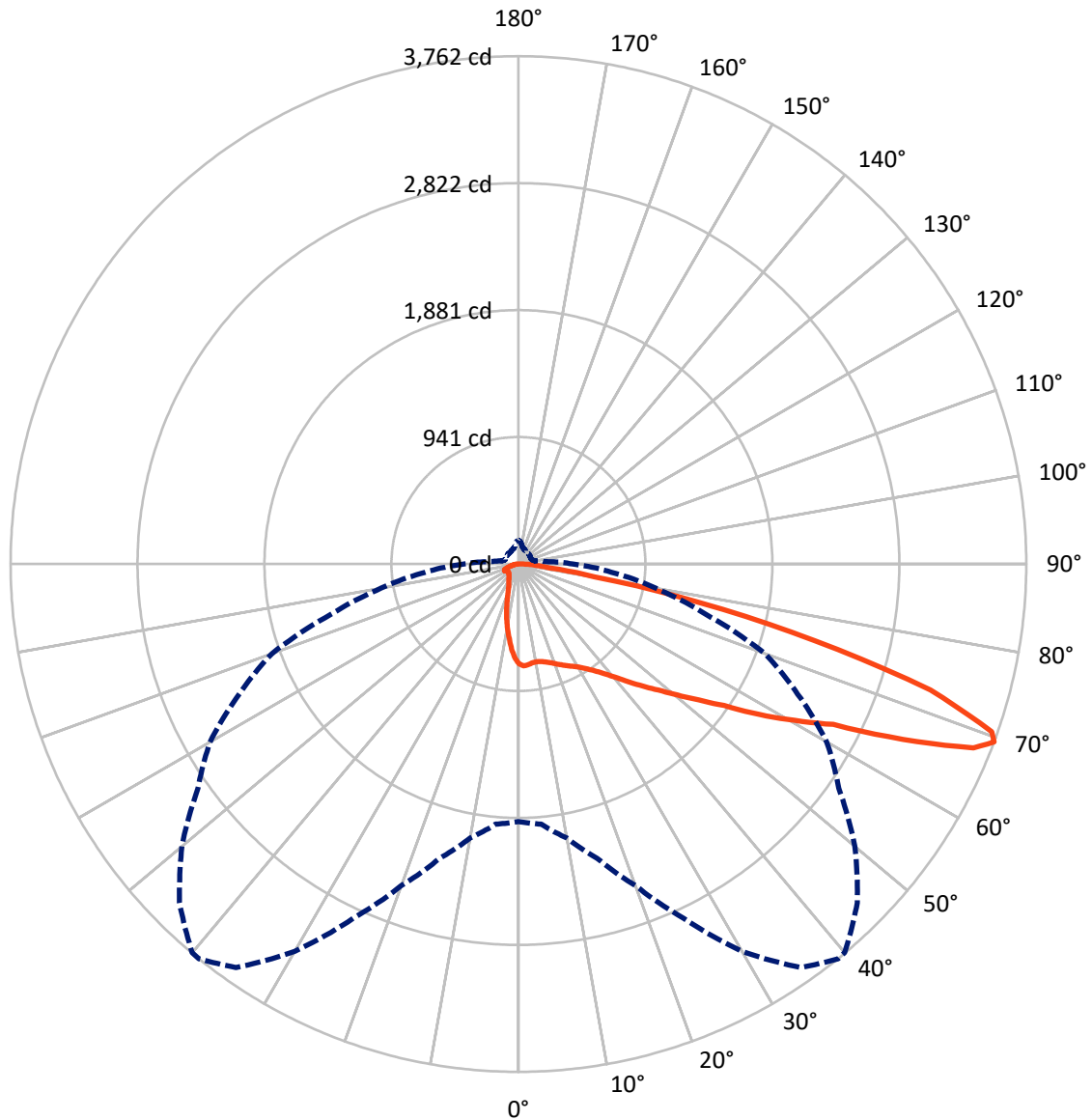
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	559.1	0.1	559.2
	% Fixture	12.7	0.0	12.7
Street Side	Lumens	3858.3	1.1	3859.3
	% Fixture	87.3	0.0	87.3
Total	Lumens	4417.3	1.2	4418.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.9	1.4
10°-20°	161.1	3.6
20°-30°	250.7	5.7
30°-40°	378.9	8.6
40°-50°	606.4	13.7
50°-60°	953.0	21.6
60°-70°	1283.2	29.0
70°-80°	636.5	14.4
80°-90°	83.6	1.9
90°-100°	1.2	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°	4417.3	100.0
0°-180°	4418.5	100.0



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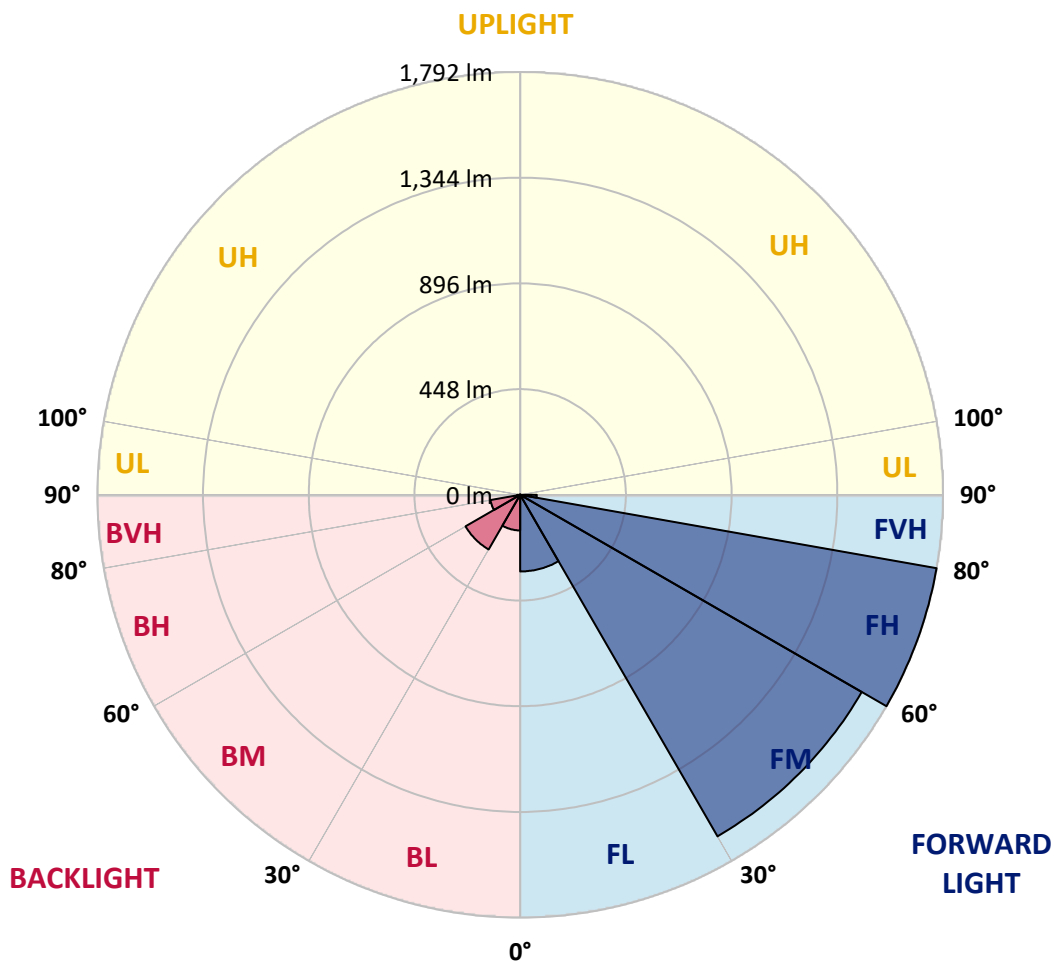
CATALOG NUMBER: IST-AF-1000-LED-E1-SL4-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	324.9	7.4			
FM	(30°-60°)	1671.2	37.8			
FH	(60°-80°)	1791.7	40.6			G1/1800
FVH	(80°-90°)	70.4	1.6			G1/100
BL	(0°-30°)	150.8	3.4	B1/500		
BM	(30°-60°)	267.1	6.0	B1/1000		
BH	(60°-80°)	128.0	2.9	B1/500		G1/500
BVH	(80°-90°)	13.2	0.3			G1/100
UL	(90°-100°)	1.2	0.0		U1/10	
UH	(100°-180°)	0.1	0.0		U1/10	

BUG Rating: B1-U1-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	39°	40°	45°
0°	740.1	740.1	740.1	740.1	740.1	740.1	740.1	740.1	740.1	740.1	740.1
2.5°	758.0	758.7	758.7	759.4	756.6	756.6	757.3	754.4	755.8	755.1	751.5
5°	759.4	760.1	759.4	760.1	756.6	755.1	752.3	748.7	750.1	749.4	744.4
7.5°	755.8	756.6	755.1	755.8	751.5	748.7	744.4	741.5	739.3	738.6	732.2
10°	748.0	750.1	747.2	749.4	745.8	742.9	740.8	737.9	736.5	735.8	728.6
12.5°	736.5	737.9	738.6	741.5	741.5	742.2	742.2	740.1	740.8	740.1	734.3
15°	725.7	730.7	735.8	738.6	744.4	748.0	750.8	750.1	752.3	751.5	748.0
17.5°	725.7	730.0	738.6	748.0	758.7	763.7	768.0	768.0	768.7	767.3	761.6
20°	728.6	736.5	750.8	766.6	779.5	789.5	792.4	791.7	788.8	788.8	778.8
22.5°	752.3	757.3	773.1	790.3	808.2	818.2	818.9	816.8	811.1	809.6	797.4
25°	786.0	791.7	806.0	828.3	841.9	849.8	847.6	840.5	834.7	829.7	816.8
27.5°	838.3	842.6	857.0	872.0	879.9	882.8	874.2	864.1	857.7	855.5	838.3
30°	892.1	897.8	909.3	918.6	925.1	916.5	902.8	891.4	885.6	884.2	868.4
32.5°	958.1	958.8	966.7	968.8	969.5	955.2	936.6	925.8	923.6	920.8	908.6
35°	1018.3	1021.9	1020.5	1019.7	1013.3	995.4	979.6	973.1	971.0	970.3	960.2
37.5°	1072.1	1077.8	1074.2	1067.8	1059.9	1045.6	1029.1	1021.9	1029.1	1024.8	1026.9
40°	1124.4	1124.4	1120.1	1116.6	1107.2	1093.6	1087.9	1088.6	1100.1	1102.9	1105.8
42.5°	1169.6	1168.9	1164.6	1161.7	1160.3	1157.4	1154.6	1168.2	1190.4	1194.7	1201.2
45°	1219.1	1218.4	1201.9	1207.6	1217.7	1219.8	1229.9	1261.4	1288.7	1290.8	1304.4
47.5°	1267.1	1261.4	1245.6	1251.4	1280.1	1295.1	1311.6	1356.1	1394.1	1402.0	1440.0
50°	1317.3	1311.6	1294.4	1305.2	1345.3	1373.3	1412.0	1473.7	1526.0	1536.8	1586.3
52.5°	1369.7	1369.0	1355.3	1371.8	1421.3	1478.0	1538.9	1608.5	1672.3	1685.9	1759.1
55°	1432.8	1429.2	1423.5	1443.6	1513.8	1589.8	1685.2	1779.9	1849.4	1873.8	1947.7
57.5°	1503.8	1502.4	1503.1	1544.7	1629.3	1744.7	1861.6	1989.3	2104.0	2121.2	2190.1
60°	1565.5	1568.3	1584.8	1650.1	1756.2	1912.5	2076.8	2249.6	2351.4	2369.4	2436.8
62.5°	1640.8	1657.3	1693.8	1776.3	1901.1	2090.4	2303.4	2486.2	2617.5	2654.0	2781.7
65°	1821.5	1834.4	1902.5	2002.2	2161.4	2403.8	2648.3	2914.4	3130.9	3163.9	3273.6
67.5°	1953.4	1986.4	2093.3	2256.0	2486.2	2796.0	3131.6	3453.6	3636.5	3651.6	3574.8
69°	1907.5	1934.8	2061.0	2257.5	2535.0	2895.7	3313.1	3649.4	3762.0	3759.1	3550.4
70°	1837.3	1862.4	2001.5	2192.2	2494.1	2884.2	3315.9	3650.8	3719.0	3693.1	3454.3
72.5°	1538.9	1561.2	1691.7	1891.0	2183.6	2570.9	2977.5	3206.2	3191.9	3170.4	2776.0
75°	960.9	959.5	1073.5	1189.0	1416.3	1807.9	2110.5	2294.1	2264.7	2248.2	1782.0
77.5°	359.3	384.4	426.0	550.0	654.7	866.3	1110.8	1315.2	1371.8	1299.4	959.5
80°	187.2	200.8	228.0	271.8	312.7	357.8	430.3	553.6	573.0	534.3	387.2
82.5°	147.7	164.2	191.5	228.8	257.4	240.2	226.6	234.5	233.1	222.3	197.2
85°	111.9	131.2	175.7	213.7	254.6	215.1	171.4	149.9	133.4	134.1	142.7
87.5°	55.9	72.4	138.4	186.5	221.6	142.7	111.9	86.8	72.4	69.6	93.2
90°	17.2	17.2	28.0	36.6	50.2	25.1	24.4	18.6	13.6	13.6	21.5
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	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):

	0°	5°	10°	15°	20°	25°	30°	35°	39°	40°	45°
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	740.1	740.1	740.1	740.1	740.1	740.1	740.1	740.1	740.1	740.1	740.1
2.5°	748.7	748.7	747.2	746.5	744.4	741.5	739.3	735.8	733.6	730.0	725.7
5°	739.3	736.5	735.0	732.2	727.9	724.3	720.0	715.0	709.2	702.1	694.2
7.5°	727.2	722.9	717.8	716.4	711.4	707.1	702.1	694.9	687.0	674.1	664.0
10°	722.1	717.8	713.5	710.7	704.2	699.2	693.5	684.1	674.1	656.9	638.2
12.5°	727.2	722.9	718.6	713.5	707.8	702.1	694.2	682.7	669.1	646.8	623.9
15°	739.3	735.0	727.9	722.9	715.0	709.9	699.2	686.3	666.2	639.0	608.8
17.5°	753.0	746.5	740.1	732.2	725.0	718.6	707.1	690.6	665.5	633.2	594.5
20°	765.9	758.7	748.7	742.9	735.8	726.4	714.2	694.2	664.0	621.7	579.4
22.5°	780.9	771.6	760.9	754.4	748.7	740.8	726.4	700.6	664.0	615.3	562.2
25°	800.3	788.1	777.4	770.9	767.3	761.6	744.4	715.7	669.1	611.7	547.9
27.5°	823.2	807.5	798.2	793.8	793.1	788.8	771.6	735.8	680.5	611.7	534.3
30°	850.5	836.9	824.7	824.7	833.3	830.4	811.1	766.6	698.5	613.9	524.2
32.5°	888.5	874.9	867.7	874.9	884.2	887.1	864.8	810.3	727.9	623.9	514.2
35°	944.4	935.8	930.8	941.6	960.2	967.4	940.1	875.6	770.9	643.3	508.4
37.5°	1018.3	1011.9	1005.4	1024.0	1059.2	1073.5	1034.1	950.9	832.6	675.5	505.6
40°	1102.9	1103.6	1110.8	1148.1	1181.8	1211.9	1167.5	1064.9	917.2	721.4	508.4
42.5°	1203.3	1211.2	1235.6	1287.2	1352.5	1376.1	1333.1	1202.6	1022.6	776.6	515.6
45°	1328.1	1348.9	1390.5	1467.2	1546.1	1582.7	1521.7	1376.1	1155.3	864.8	535.7
47.5°	1460.8	1506.7	1576.9	1670.2	1762.0	1785.6	1710.3	1533.2	1285.1	943.0	566.5
50°	1630.7	1686.7	1756.9	1868.8	1966.3	1980.7	1881.0	1678.8	1398.4	1011.1	595.9
52.5°	1789.2	1865.2	1954.9	2084.7	2183.6	2165.7	2036.6	1808.6	1488.0	1057.7	612.4
55°	2005.8	2084.7	2185.8	2299.1	2397.3	2354.3	2177.9	1919.0	1559.7	1092.2	617.4
57.5°	2253.2	2313.4	2412.4	2528.6	2593.1	2519.2	2317.0	2026.6	1627.9	1092.9	578.0
60°	2496.3	2566.6	2675.6	2789.6	2825.4	2697.8	2413.8	2043.1	1560.4	975.3	462.5
62.5°	2856.3	2927.3	2982.5	3001.1	2936.6	2679.9	2301.2	1868.8	1345.3	769.5	327.7
65°	3258.6	3178.3	3071.4	2971.0	2795.3	2405.2	1984.3	1535.3	1044.1	514.2	225.9
67.5°	3364.0	3119.5	2887.1	2663.4	2335.6	1915.4	1496.6	1080.0	669.8	292.6	153.5
69°	3254.3	2897.2	2638.3	2283.3	1944.8	1433.5	1031.2	692.0	400.2	203.7	128.4
70°	3053.5	2682.0	2331.3	1951.3	1506.7	1095.0	685.6	453.2	261.0	148.4	115.5
72.5°	2304.1	1842.3	1419.9	922.2	562.2	311.9	219.4	157.0	124.1	109.0	99.0
75°	1332.4	887.1	580.9	309.8	183.6	136.3	119.0	106.1	98.2	94.7	86.1
77.5°	562.2	351.4	238.1	174.3	123.3	105.4	91.8	84.6	83.9	81.8	73.9
80°	256.0	219.4	187.2	131.2	93.9	80.3	70.3	68.8	70.3	68.1	60.2
82.5°	190.0	187.2	156.3	101.1	71.7	53.8	43.7	45.9	51.6	55.9	48.8
85°	158.5	158.5	131.2	75.3	47.3	34.4	33.7	38.0	43.0	46.6	39.4
87.5°	145.6	139.8	75.3	38.7	27.3	22.2	20.8	18.6	18.6	32.3	27.3
90°	14.3	6.5	3.6	2.9	3.6	2.9	4.3	3.6	3.6	3.6	3.6
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	740.1	740.1	740.1	740.1	740.1	740.1	740.1	740.1	740.1	740.1	740.1
2.5°	722.1	719.3	712.1	710.7	708.5	705.6	704.9	701.3	694.2	692.7	693.5
5°	689.1	677.7	669.8	663.3	658.3	645.4	640.4	634.6	624.6	621.7	617.4
7.5°	650.4	636.8	621.0	609.5	595.9	582.3	571.5	557.9	547.2	540.7	529.2
10°	620.3	601.7	580.9	557.9	540.0	519.2	505.6	489.8	472.6	456.8	445.3
12.5°	597.4	571.5	541.4	514.2	488.4	466.1	441.7	419.5	398.0	376.5	357.8
15°	578.7	546.4	508.4	474.0	442.5	409.5	382.2	351.4	324.1	305.5	281.8
17.5°	558.6	517.0	471.9	431.7	390.8	356.4	322.0	289.7	263.9	239.5	220.2
20°	534.3	484.1	435.3	388.7	342.1	302.6	267.5	236.6	211.5	192.2	177.8
22.5°	507.0	448.2	391.5	340.6	294.0	255.3	222.3	199.4	180.7	170.0	165.7
25°	480.5	413.1	349.2	293.3	246.7	213.7	191.5	172.1	162.8	158.5	158.5
27.5°	456.1	377.2	306.2	251.7	206.5	180.7	163.5	155.6	151.3	151.3	153.5
30°	433.1	341.3	265.3	210.1	174.3	154.9	145.6	142.7	143.4	146.3	149.2
32.5°	406.6	306.9	230.2	180.7	151.3	138.4	131.2	131.9	135.5	140.6	145.6
35°	378.6	270.4	199.4	158.5	135.5	125.5	121.2	121.9	126.9	133.4	138.4
37.5°	353.5	241.0	175.7	141.3	124.1	117.6	114.0	114.7	118.3	126.2	132.7
40°	328.4	215.9	156.3	131.2	117.6	111.2	109.0	108.3	111.2	118.3	126.2
42.5°	306.9	194.3	144.9	124.1	113.3	107.6	104.7	104.7	106.1	111.9	119.8
45°	294.0	181.4	137.0	119.0	109.7	104.7	101.8	100.4	102.5	106.1	113.3
47.5°	294.0	175.0	131.9	115.5	106.9	102.5	99.0	98.2	99.0	102.5	109.7
50°	304.1	176.4	131.2	114.0	105.4	99.7	96.1	96.1	97.5	102.5	108.3
52.5°	312.7	179.3	133.4	115.5	105.4	98.2	93.9	93.2	95.4	100.4	105.4
55°	311.2	179.3	135.5	117.6	107.6	99.0	93.2	92.5	93.9	99.0	104.0
57.5°	278.2	168.5	133.4	119.0	110.4	102.5	96.8	94.7	96.1	100.4	104.7
60°	225.2	149.9	127.6	119.0	114.7	109.0	103.3	101.8	102.5	106.9	111.9
62.5°	176.4	133.4	120.5	118.3	116.9	114.0	111.9	110.4	110.4	114.0	118.3
65°	143.4	120.5	114.7	115.5	116.9	116.2	115.5	114.7	114.7	116.9	121.2
67.5°	119.8	108.3	106.9	109.0	110.4	111.2	111.9	111.2	111.9	114.0	119.0
69°	109.0	101.8	100.4	101.8	104.7	105.4	106.9	106.1	106.9	109.0	114.0
70°	102.5	96.8	95.4	97.5	99.7	100.4	101.8	101.1	101.8	104.0	109.0
72.5°	88.9	82.5	80.3	81.8	83.9	83.9	86.1	86.8	85.3	86.1	89.6
75°	76.0	68.8	65.3	66.0	66.0	66.0	67.4	67.4	66.0	65.3	66.0
77.5°	63.8	55.9	51.6	51.6	51.6	50.9	48.8	49.5	50.2	49.5	50.2
80°	50.2	43.7	39.4	39.4	39.4	38.0	37.3	37.3	38.7	40.2	39.4
82.5°	38.7	32.3	30.1	29.4	29.4	28.0	28.0	29.4	28.7	29.4	30.8
85°	28.0	22.9	20.8	21.5	20.8	19.4	20.1	22.2	22.2	21.5	22.9
87.5°	17.2	14.3	13.6	14.3	12.9	10.8	10.0	10.8	12.2	11.5	12.9
90°	2.2	1.4	1.4	1.4	2.2	1.4	1.4	1.4	2.2	2.2	1.4
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69°
												70°
												72.5°
												75°
												77.5°
												80°
												82.5°
												85°
												87.5°
												90°
												92.5°
												95°
												97.5°
												100°
												102.5°
												105°
												107.5°

