

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: STREETWORKS

Report Number: P560820

Luminaire Tested: **SDL-PA1-60-830-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560820
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-19)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-60-830-U-T2R-A
Description: Springdale
(1) 80 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4882.7 lumens
Efficiency: N/A
Efficacy: 78.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B1 - U3 - G2

Input Watts (W): 62.4
Input Voltage (V): NR
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: 24 FT

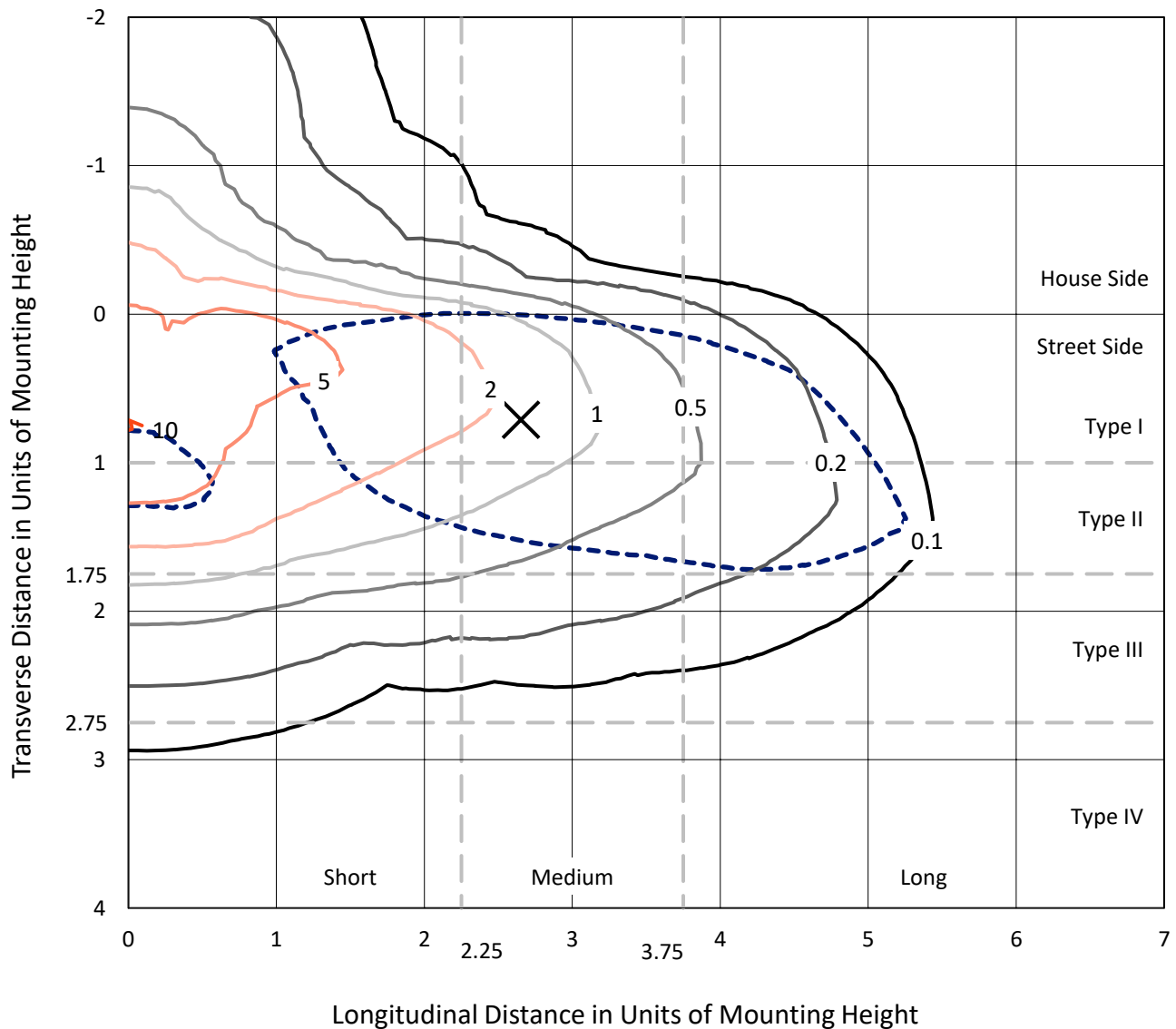


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

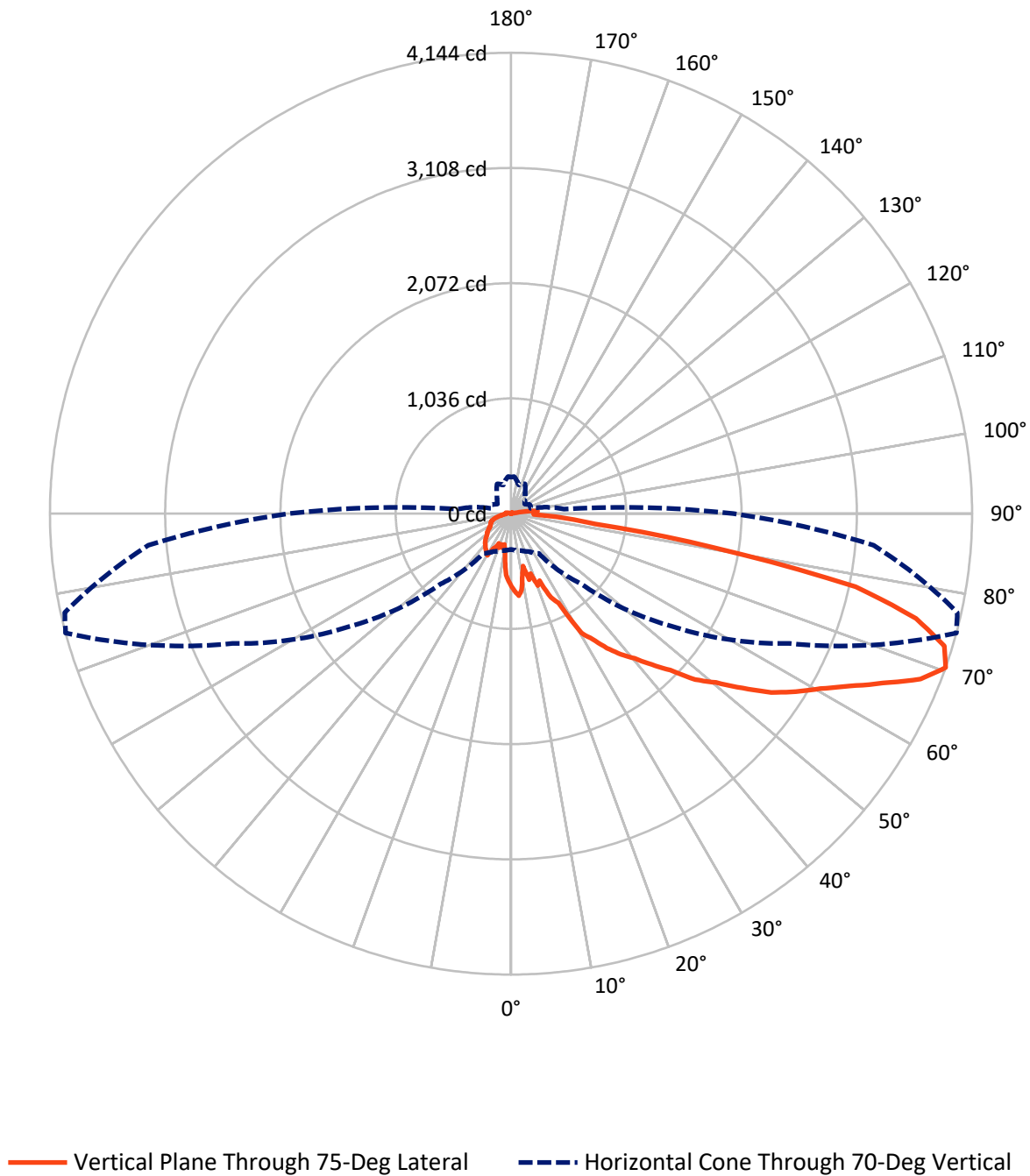


Based on 10 foot mounting height. Maximum calculated value = 10.2 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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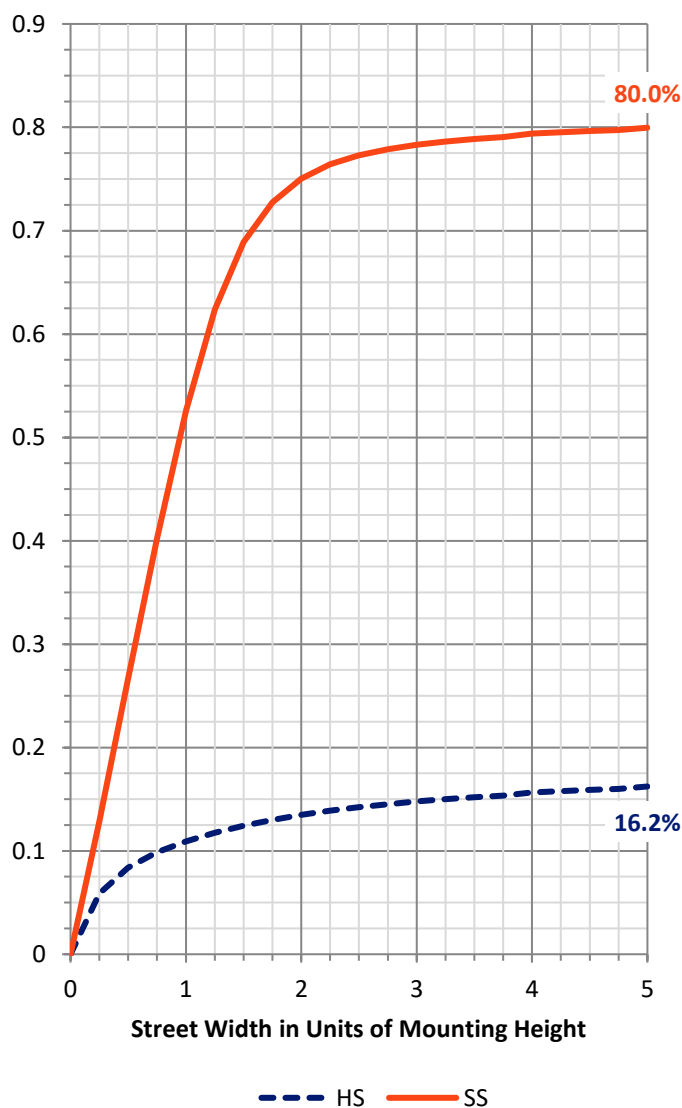
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	834.7	49.9	884.6
	% Fixture	17.1	1.0	18.1
Street Side	Lumens	3935.0	63.1	3998.1
	% Fixture	80.6	1.3	81.9
Total	Lumens	4769.7	113.0	4882.7
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.5	1.1
10°-20°	142.4	2.9
20°-30°	257.1	5.3
30°-40°	525.4	10.8
40°-50°	825.1	16.9
50°-60°	1013.2	20.7
60°-70°	1007.6	20.6
70°-80°	745.3	15.3
80°-90°	199.1	4.1
90°-100°	73.6	1.5
100°-110°	17.2	0.4
110°-120°	8.1	0.2
120°-130°	7.3	0.1
130°-140°	3.5	0.1
140°-150°	1.7	0.0
150°-160°	1.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4769.7	97.7
0°-180°	4882.7	100.0

Coefficient of Utilization



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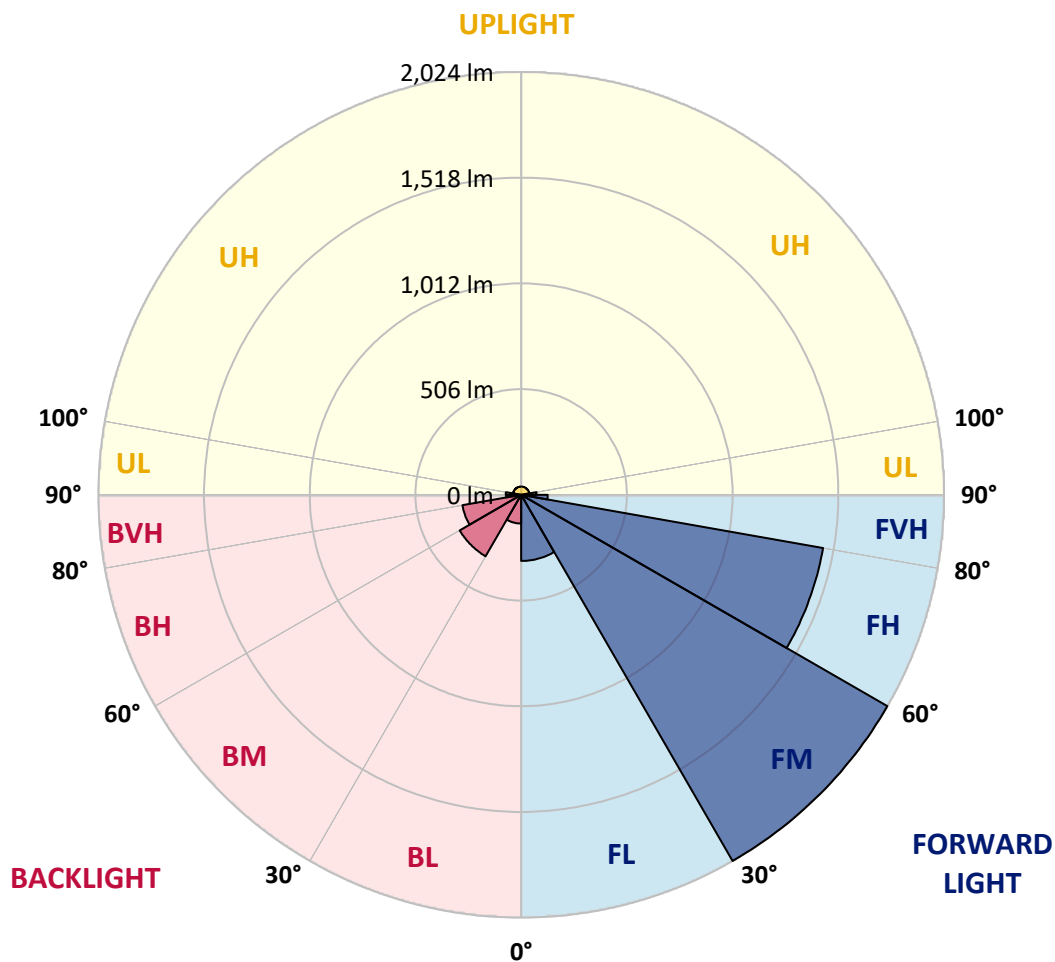
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	316.5	6.5			
FM	(30°-60°)	2024.0	41.5			
FH	(60°-80°)	1467.4	30.1			G1/1800
FVH	(80°-90°)	127.1	2.6			G2/225
BL	(0°-30°)	137.6	2.8	B1/500		
BM	(30°-60°)	339.6	7.0	B1/1000		
BH	(60°-80°)	285.5	5.8	B1/500		G1/500
BVH	(80°-90°)	72.0	1.5			G1/100
UL	(90°-100°)	73.6	1.5		U3/500	
UH	(100°-180°)	39.4	0.8		U2/50	

BUG Rating: B1-U3-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	654.5	654.5	654.5	654.5	654.5	654.5	654.5	654.5	654.5	654.5	654.5
2.5°	679.3	717.4	734.6	753.7	770.9	761.3	746.1	723.2	702.2	694.6	671.7
5°	749.9	746.1	744.2	738.4	728.9	711.7	690.7	772.8	740.3	727.0	688.8
7.5°	660.2	765.2	776.6	788.0	784.2	763.2	736.5	662.1	690.7	673.6	625.9
10°	807.1	807.1	803.3	807.1	763.2	728.9	624.0	580.1	559.1	604.9	561.0
12.5°	686.9	748.0	824.3	839.6	772.8	677.4	633.5	612.5	482.8	477.0	511.4
15°	799.5	809.0	810.9	814.8	658.3	709.8	585.8	543.8	616.3	599.1	604.9
17.5°	643.0	652.6	776.6	769.0	707.9	566.7	685.0	614.4	566.7	545.7	538.1
20°	809.0	810.9	805.2	650.7	683.1	740.3	641.1	622.0	690.7	688.8	660.2
22.5°	688.8	690.7	711.7	784.2	706.0	748.0	644.9	776.6	654.5	656.4	509.5
25°	921.6	923.5	904.4	698.4	793.8	702.2	782.3	698.4	835.8	809.0	746.1
27.5°	967.4	896.8	824.3	866.3	757.5	872.0	744.2	845.3	908.3	902.5	912.1
30°	1226.9	1230.7	1181.1	948.3	887.3	860.6	858.6	1003.7	1244.1	1253.6	1095.3
32.5°	1662.0	1639.1	1394.8	1169.7	956.0	1049.5	963.6	1162.0	1345.2	1339.5	1173.5
35°	1860.4	1837.5	1745.9	1444.4	1104.8	1133.4	1087.6	1236.5	1484.5	1440.6	1251.7
37.5°	2028.3	2024.5	1948.2	1591.4	1255.5	1297.5	1162.0	1328.0	1604.7	1558.9	1331.9
40°	2173.3	2160.0	2093.2	1723.0	1410.1	1412.0	1255.5	1438.7	1711.6	1723.0	1410.1
42.5°	2293.5	2282.1	2226.8	1854.7	1501.7	1513.1	1354.8	1551.3	1854.7	1875.7	1532.2
45°	2343.2	2348.9	2310.7	1973.0	1583.7	1604.7	1473.1	1665.8	2007.3	2024.5	1641.0
47.5°	2379.4	2381.3	2371.8	2070.3	1671.5	1681.0	1589.5	1768.8	2228.7	2194.3	1768.8
50°	2297.4	2289.7	2299.3	2144.7	1747.8	1759.3	1686.8	1875.7	2387.0	2343.2	1902.4
52.5°	2081.7	2091.3	2190.5	2106.6	1772.6	1795.5	1778.4	1969.2	2606.5	2572.1	2093.2
55°	1539.8	1581.8	1868.0	1950.1	1770.7	1810.8	1862.3	2146.6	2837.4	2785.8	2255.4
57.5°	1246.0	1246.0	1413.9	1683.0	1673.4	1801.3	1948.2	2266.8	3020.5	2984.3	2417.6
60°	999.8	999.8	1091.4	1335.7	1484.5	1753.6	2036.0	2444.3	3194.2	3173.2	2560.7
62.5°	784.2	782.3	858.6	996.0	1217.4	1648.6	2081.7	2596.9	3411.7	3407.9	2789.7
65°	566.7	574.3	639.2	725.1	956.0	1452.1	2079.8	2734.3	3673.1	3684.6	3047.2
67.5°	419.8	423.6	459.9	522.8	656.4	1204.0	1988.2	2829.7	3968.9	3949.8	3211.3
70°	322.5	328.2	343.5	375.9	437.0	894.9	1766.9	2762.9	4144.4	4108.2	3272.4
72.5°	271.0	272.9	271.0	288.1	291.9	606.8	1415.8	2509.2	4071.9	4014.7	3104.5
75°	230.9	229.0	227.1	230.9	215.6	400.7	1015.1	2123.7	3759.0	3659.8	2742.0
77.5°	198.4	196.5	188.9	190.8	171.7	295.8	692.6	1665.8	3167.5	2934.7	2060.8
80°	164.1	164.1	158.4	158.4	145.0	225.2	442.7	1148.7	1845.1	1660.1	1072.4
82.5°	127.8	125.9	125.9	129.8	124.0	175.5	290.0	572.4	761.3	713.6	501.8
85°	68.7	68.7	78.2	87.8	85.9	106.9	221.3	337.7	450.3	435.0	280.5
87.5°	21.0	21.0	22.9	28.6	30.5	57.2	139.3	164.1	204.2	225.2	221.3
90°	22.9	21.0	15.3	17.2	19.1	42.0	129.8	158.4	206.1	229.0	234.7
92.5°	26.7	24.8	15.3	15.3	19.1	34.3	124.0	154.6	225.2	248.1	253.8
95°	28.6	26.7	15.3	15.3	19.1	30.5	110.7	152.6	240.4	271.0	271.0
97.5°	26.7	24.8	11.4	13.4	17.2	26.7	85.9	125.9	167.9	185.1	213.7
100°	22.9	22.9	7.6	11.4	15.3	19.1	49.6	68.7	49.6	47.7	47.7
102.5°	21.0	21.0	7.6	9.5	11.4	13.4	22.9	36.3	11.4	13.4	17.2
105°	21.0	22.9	5.7	7.6	7.6	7.6	11.4	19.1	9.5	11.4	17.2
107.5°	21.0	22.9	5.7	5.7	7.6	5.7	5.7	7.6	9.5	11.4	19.1
110°	19.1	19.1	3.8	5.7	5.7	5.7	3.8	5.7	9.5	13.4	19.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	13.4	13.4	3.8	5.7	5.7	5.7	3.8	5.7	9.5	13.4	19.1
115°	9.5	7.6	3.8	5.7	3.8	5.7	3.8	5.7	9.5	13.4	17.2
117.5°	7.6	5.7	3.8	3.8	3.8	3.8	1.9	5.7	11.4	15.3	21.0
120°	7.6	7.6	3.8	3.8	3.8	3.8	1.9	5.7	17.2	19.1	26.7
122.5°	7.6	7.6	3.8	3.8	3.8	3.8	1.9	3.8	15.3	21.0	28.6
125°	7.6	7.6	3.8	3.8	3.8	3.8	1.9	3.8	13.4	19.1	24.8
127.5°	7.6	7.6	3.8	1.9	3.8	3.8	3.8	3.8	11.4	15.3	21.0
130°	7.6	7.6	3.8	1.9	3.8	3.8	3.8	3.8	9.5	11.4	17.2
132.5°	5.7	5.7	3.8	1.9	3.8	1.9	1.9	3.8	7.6	9.5	13.4
135°	3.8	3.8	3.8	1.9	3.8	1.9	1.9	1.9	3.8	5.7	9.5
137.5°	1.9	3.8	1.9	1.9	3.8	1.9	1.9	1.9	1.9	1.9	3.8
140°	1.9	1.9	1.9	1.9	3.8	1.9	1.9	1.9	1.9	1.9	1.9
142.5°	1.9	1.9	1.9	1.9	3.8	3.8	1.9	1.9	1.9	1.9	1.9
145°	1.9	1.9	1.9	1.9	5.7	3.8	1.9	1.9	1.9	1.9	1.9
147.5°	1.9	1.9	1.9	7.6	5.7	3.8	1.9	1.9	1.9	1.9	1.9
150°	9.5	9.5	9.5	7.6	5.7	3.8	5.7	1.9	1.9	1.9	1.9
152.5°	9.5	9.5	11.4	5.7	3.8	1.9	1.9	7.6	5.7	3.8	3.8
155°	7.6	5.7	5.7	1.9	1.9	1.9	1.9	1.9	5.7	7.6	7.6
157.5°	1.9	1.9	3.8	1.9	1.9	1.9	1.9	1.9	3.8	1.9	1.9
160°	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	654.5	654.5	654.5	654.5	654.5	654.5	654.5	654.5	654.5	654.5	654.5
2.5°	658.3	643.0	606.8	580.1	547.6	519.0	494.2	438.9	429.3	423.6	421.7
5°	658.3	625.9	555.3	469.4	402.6	387.3	379.7	379.7	375.9	377.8	379.7
7.5°	583.9	540.0	433.1	366.4	377.8	377.8	379.7	370.2	339.6	343.5	337.7
10°	511.4	456.0	326.3	297.7	326.3	328.2	372.1	389.3	395.0	396.9	396.9
12.5°	471.3	393.1	282.4	291.9	263.3	301.5	354.9	396.9	360.6	341.6	341.6
15°	541.9	465.6	316.7	255.7	259.5	301.5	269.0	375.9	389.3	393.1	393.1
17.5°	486.6	410.2	290.0	263.3	290.0	248.1	303.4	345.4	330.1	312.9	311.0
20°	583.9	484.7	324.4	257.6	255.7	293.8	269.0	282.4	353.0	354.9	353.0
22.5°	454.1	387.3	288.1	291.9	255.7	280.5	265.2	291.9	278.6	276.7	278.6
25°	629.7	501.8	332.0	251.9	267.1	248.1	267.1	246.1	295.8	299.6	301.5
27.5°	770.9	599.1	353.0	272.9	232.8	253.8	238.5	246.1	229.0	238.5	242.3
30°	917.8	698.4	431.2	301.5	246.1	217.5	221.3	219.4	248.1	246.1	242.3
32.5°	965.5	711.7	412.2	314.8	244.2	219.4	202.3	215.6	236.6	253.8	255.7
35°	1013.2	721.3	396.9	301.5	238.5	206.1	198.4	221.3	238.5	240.4	246.1
37.5°	1068.5	728.9	381.6	282.4	221.3	202.3	196.5	206.1	244.2	240.4	234.7
40°	1120.1	732.7	362.5	265.2	202.3	198.4	183.2	206.1	215.6	223.2	227.1
42.5°	1211.6	755.6	347.3	250.0	188.9	188.9	175.5	192.7	221.3	225.2	223.2
45°	1278.4	748.0	326.3	236.6	175.5	167.9	171.7	209.9	223.2	246.1	242.3
47.5°	1373.8	767.1	301.5	215.6	164.1	154.6	162.2	204.2	229.0	246.1	250.0
50°	1467.3	763.2	280.5	198.4	156.5	146.9	179.4	198.4	225.2	253.8	253.8
52.5°	1589.5	769.0	271.0	183.2	146.9	146.9	185.1	200.4	230.9	250.0	250.0
55°	1698.2	748.0	248.1	177.5	145.0	141.2	187.0	208.0	232.8	250.0	251.9
57.5°	1778.4	706.0	230.9	171.7	143.1	145.0	187.0	225.2	217.5	250.0	255.7
60°	1866.1	660.2	215.6	171.7	143.1	150.7	192.7	238.5	238.5	261.4	261.4
62.5°	1986.3	631.6	208.0	173.6	139.3	156.5	209.9	259.5	240.4	276.7	278.6
65°	2087.5	593.4	202.3	181.3	141.2	164.1	219.4	276.7	251.9	293.8	291.9
67.5°	2089.4	536.2	194.6	188.9	143.1	169.8	219.4	288.1	265.2	309.1	303.4
70°	1997.8	478.9	183.2	188.9	148.8	175.5	219.4	295.8	267.1	333.9	328.2
72.5°	1801.3	391.2	166.0	181.3	158.4	183.2	230.9	293.8	267.1	360.6	354.9
75°	1532.2	312.9	143.1	166.0	158.4	192.7	238.5	291.9	257.6	343.5	332.0
77.5°	1165.9	255.7	120.2	145.0	150.7	196.5	238.5	288.1	250.0	320.6	312.9
80°	601.1	179.4	97.3	124.0	141.2	192.7	236.6	272.9	223.2	284.3	280.5
82.5°	330.1	131.7	78.2	91.6	118.3	181.3	229.0	246.1	196.5	232.8	223.2
85°	213.7	95.4	63.0	74.4	99.2	150.7	192.7	194.6	139.3	167.9	158.4
87.5°	160.3	55.3	40.1	45.8	68.7	84.0	122.1	125.9	87.8	103.0	97.3
90°	167.9	55.3	42.0	47.7	61.1	63.0	89.7	95.4	68.7	78.2	78.2
92.5°	179.4	55.3	43.9	49.6	55.3	49.6	70.6	78.2	57.2	63.0	61.1
95°	183.2	53.4	47.7	51.5	49.6	40.1	57.2	63.0	47.7	47.7	47.7
97.5°	133.6	38.2	47.7	51.5	45.8	32.4	43.9	49.6	30.5	24.8	24.8
100°	36.3	19.1	45.8	49.6	40.1	26.7	38.2	38.2	19.1	13.4	13.4
102.5°	15.3	15.3	40.1	43.9	30.5	17.2	26.7	26.7	13.4	5.7	5.7
105°	15.3	11.4	28.6	32.4	21.0	9.5	13.4	15.3	9.5	5.7	5.7
107.5°	15.3	11.4	13.4	17.2	9.5	7.6	7.6	7.6	5.7	5.7	5.7
110°	17.2	11.4	7.6	9.5	7.6	5.7	5.7	5.7	5.7	7.6	9.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.1	13.4	7.6	9.5	7.6	5.7	5.7	5.7	7.6	17.2	17.2
115°	17.2	11.4	7.6	7.6	5.7	5.7	3.8	3.8	7.6	21.0	21.0
117.5°	19.1	13.4	7.6	7.6	5.7	3.8	3.8	3.8	9.5	24.8	24.8
120°	22.9	15.3	7.6	5.7	3.8	3.8	3.8	3.8	11.4	26.7	26.7
122.5°	24.8	17.2	7.6	5.7	3.8	1.9	3.8	5.7	13.4	26.7	26.7
125°	21.0	15.3	7.6	5.7	3.8	1.9	3.8	5.7	13.4	24.8	26.7
127.5°	19.1	13.4	7.6	3.8	3.8	1.9	1.9	5.7	11.4	19.1	22.9
130°	15.3	11.4	5.7	3.8	3.8	1.9	1.9	3.8	11.4	17.2	21.0
132.5°	13.4	9.5	5.7	3.8	3.8	1.9	1.9	3.8	11.4	15.3	15.3
135°	9.5	7.6	3.8	3.8	3.8	1.9	3.8	1.9	7.6	13.4	13.4
137.5°	5.7	3.8	3.8	3.8	3.8	1.9	1.9	1.9	5.7	7.6	7.6
140°	1.9	1.9	3.8	3.8	3.8	1.9	1.9	1.9	3.8	3.8	3.8
142.5°	1.9	1.9	3.8	3.8	3.8	1.9	1.9	1.9	3.8	3.8	3.8
145°	1.9	1.9	1.9	3.8	3.8	1.9	1.9	1.9	1.9	1.9	3.8
147.5°	1.9	1.9	1.9	3.8	1.9	1.9	1.9	1.9	1.9	1.9	3.8
150°	1.9	1.9	1.9	3.8	3.8	1.9	1.9	3.8	3.8	3.8	3.8
152.5°	1.9	1.9	3.8	3.8	1.9	1.9	1.9	3.8	3.8	3.8	3.8
155°	5.7	5.7	3.8	3.8	1.9	1.9	0.0	1.9	3.8	3.8	3.8
157.5°	1.9	1.9	3.8	1.9	1.9	1.9	0.0	1.9	1.9	1.9	1.9
160°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	1.9	1.9	1.9	1.9
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

(END OF REPORT)