

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: P560513

Luminaire Tested: **SDL-PA1-50-727-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560513
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-17)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-50-727-U-T2R-HSS-A
Description: Springdale
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4090.7 lumens
Efficiency: N/A
Efficacy: 78.1 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 - G1

Input Watts (W): 52.4
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

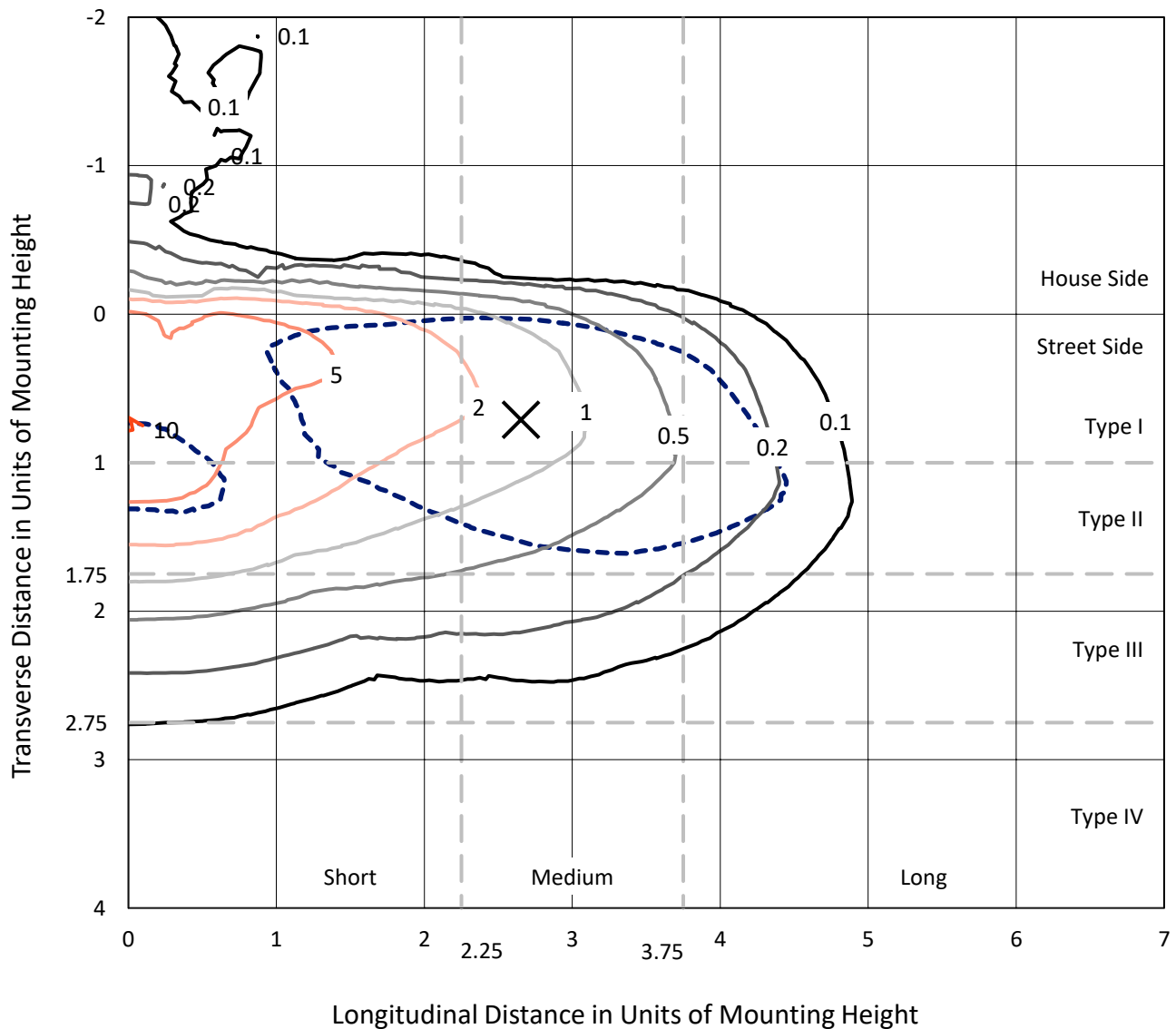


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

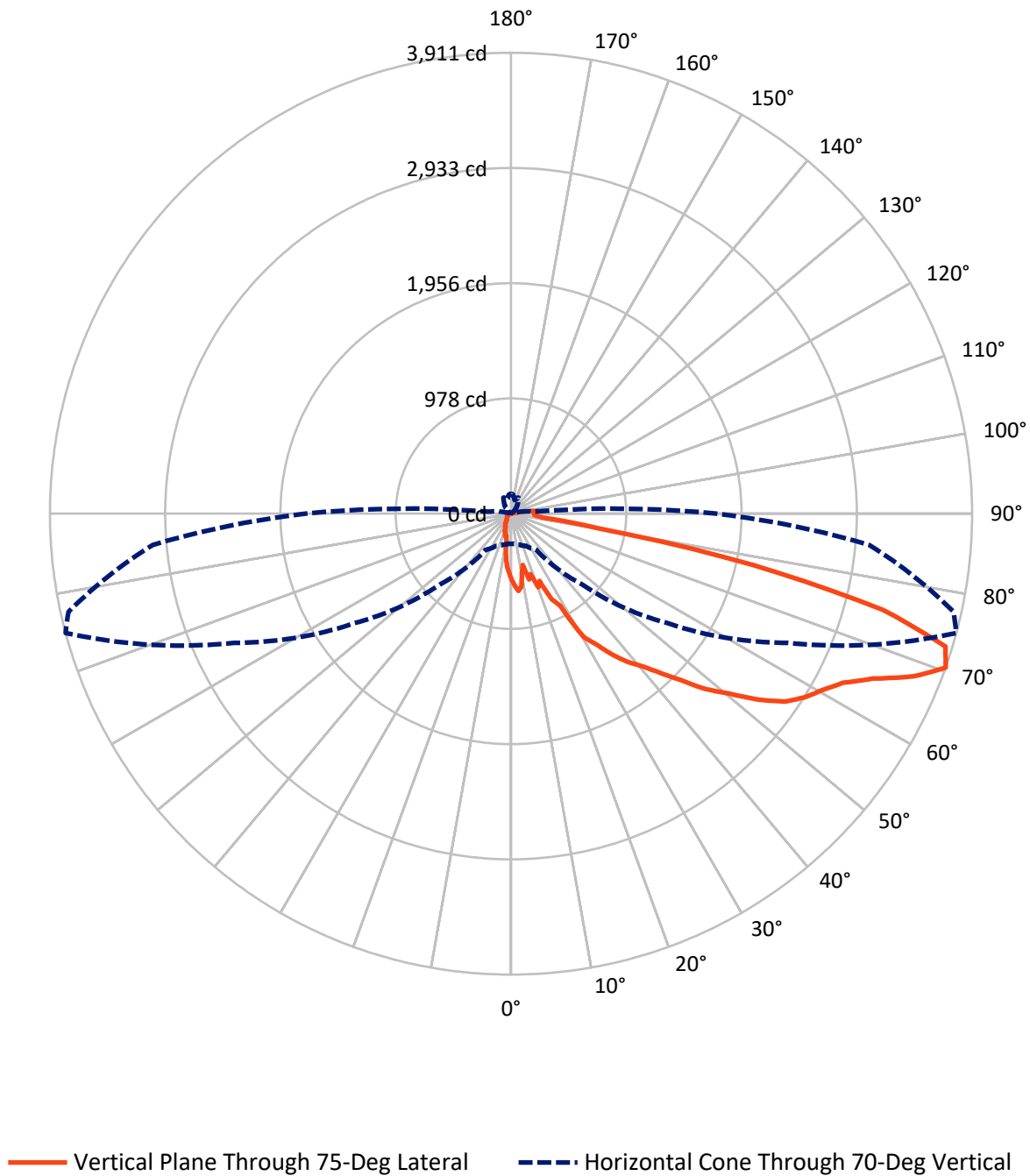


Based on 10 foot mounting height. Maximum calculated value = 10.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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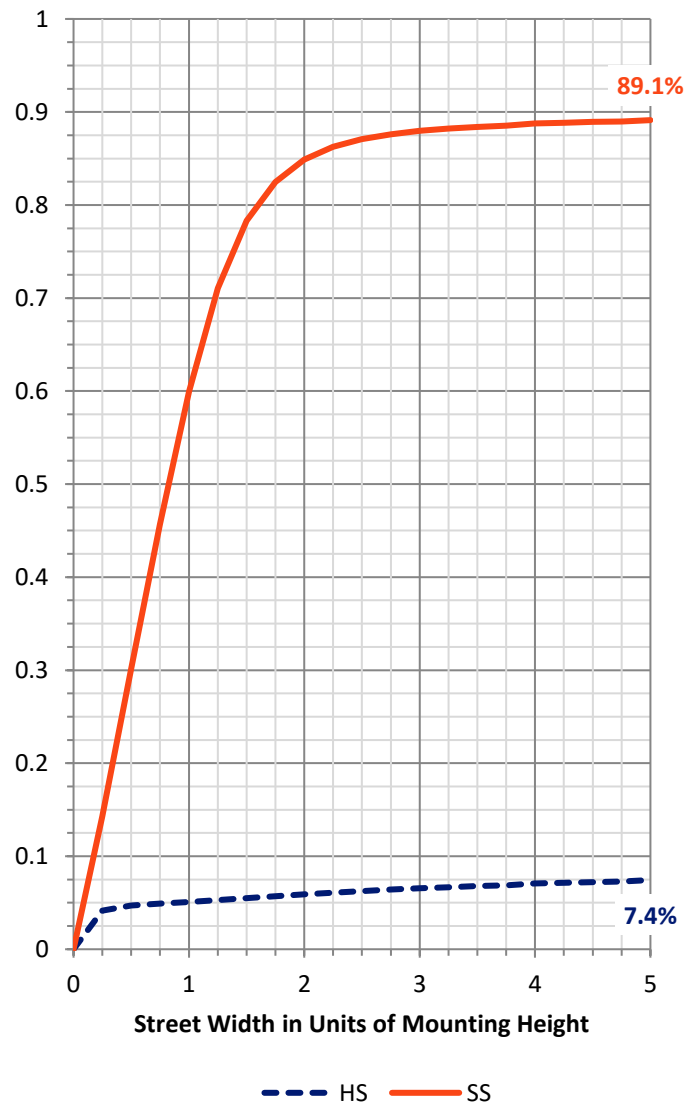
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	333.3	41.5	374.8
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	3663.8	52.2	3716.0
	% Fixture	89.6	1.3	90.8
Total	Lumens	3997.1	93.6	4090.7
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.2	1.1
10°-20°	107.9	2.6
20°-30°	202.4	4.9
30°-40°	454.3	11.1
40°-50°	747.7	18.3
50°-60°	916.5	22.4
60°-70°	858.4	21.0
70°-80°	559.0	13.7
80°-90°	106.8	2.6
90°-100°	61.3	1.5
100°-110°	13.8	0.3
110°-120°	7.0	0.2
120°-130°	5.9	0.1
130°-140°	2.9	0.1
140°-150°	1.5	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3997.1	97.7
0°-180°	4090.7	100.0

Coefficient of Utilization



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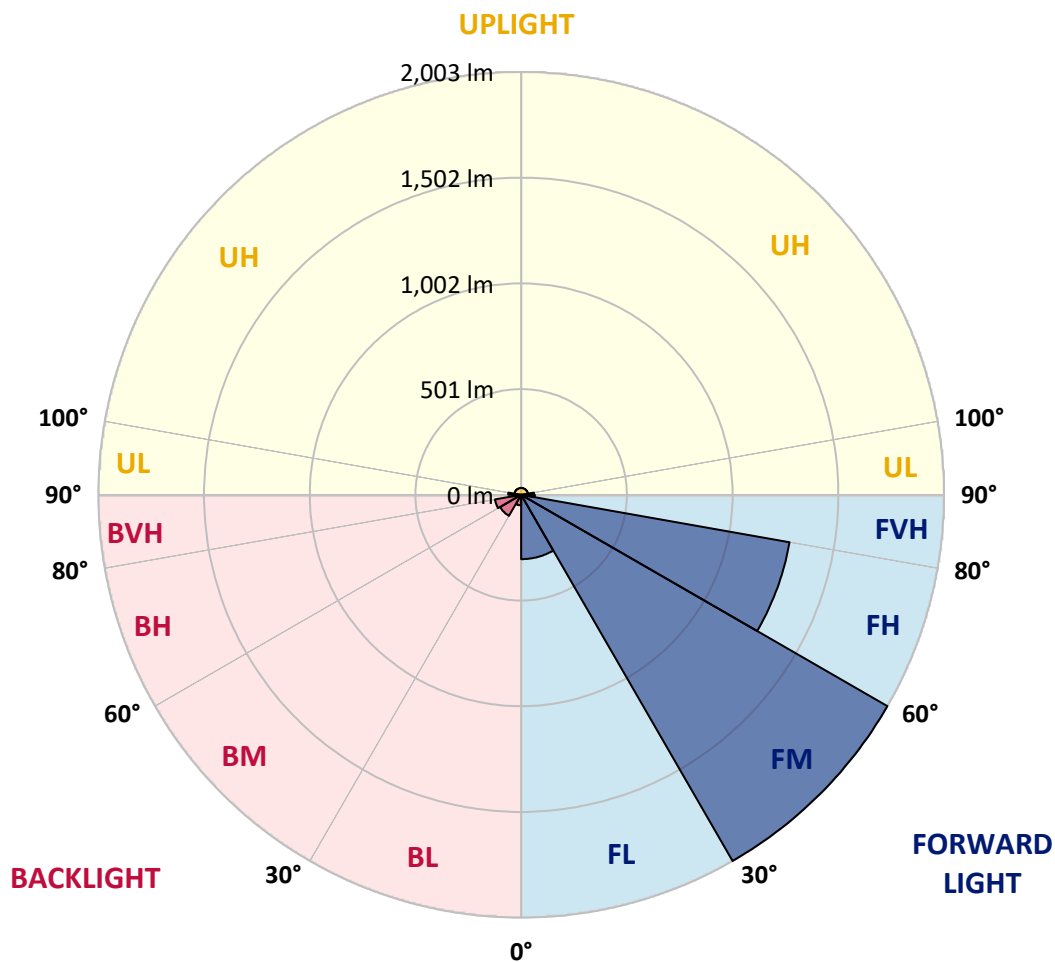
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	304.7	7.4			
FM	(30°-60°)	2003.3	49.0			
FH	(60°-80°)	1291.1	31.6			G1/1800
FVH	(80°-90°)	64.6	1.6			G1/100
BL	(0°-30°)	49.8	1.2	B0/110		
BM	(30°-60°)	115.2	2.8	B0/220		
BH	(60°-80°)	126.2	3.1	B1/500		G1/500
BVH	(80°-90°)	42.1	1.0			G1/100
UL	(90°-100°)	61.3	1.5		U3/500	
UH	(100°-180°)	32.4	0.8		U2/50	

BUG Rating: B1-U3-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	556.5	556.5	556.5	556.5	556.5	556.5	556.5	556.5	556.5	556.5	556.5
2.5°	620.9	660.0	671.7	691.2	701.0	689.3	667.8	640.5	611.2	603.4	578.0
5°	704.9	697.1	691.2	691.2	679.5	654.1	630.7	703.0	658.0	648.3	597.5
7.5°	640.5	701.0	745.9	749.8	744.0	724.4	691.2	617.0	626.8	615.1	552.6
10°	775.2	777.2	769.3	775.2	720.5	693.2	585.8	540.9	505.7	552.6	496.0
12.5°	642.4	738.1	792.8	812.3	744.0	654.1	599.5	576.0	447.2	435.4	449.1
15°	785.0	788.9	794.7	775.2	603.4	685.4	556.5	513.5	579.9	564.3	554.6
17.5°	620.9	628.8	761.5	753.7	699.0	542.8	661.9	589.7	538.9	519.4	505.7
20°	790.8	792.8	790.8	599.5	652.2	730.3	622.9	603.4	667.8	660.0	624.8
22.5°	663.9	663.9	708.8	769.3	685.4	732.2	634.6	751.8	620.9	617.0	464.7
25°	917.7	917.7	886.5	679.5	777.2	689.3	753.7	675.6	802.5	775.2	697.1
27.5°	892.4	865.0	816.2	857.2	751.8	863.1	730.3	824.0	884.5	909.9	868.9
30°	1239.9	1239.9	1187.2	917.7	880.6	833.8	843.5	986.1	1212.6	1216.5	1050.5
32.5°	1679.3	1648.0	1368.8	1183.3	962.7	1046.6	952.9	1159.9	1318.0	1312.2	1116.9
35°	1858.9	1849.2	1763.2	1452.8	1115.0	1146.2	1074.0	1226.3	1460.6	1421.5	1197.0
37.5°	2042.5	2026.8	1939.0	1605.1	1275.1	1316.1	1163.8	1323.9	1591.4	1534.8	1284.8
40°	2155.7	2157.7	2095.2	1726.1	1402.0	1423.5	1271.2	1443.0	1696.9	1708.6	1361.0
42.5°	2274.8	2272.9	2222.1	1868.7	1507.4	1534.8	1357.1	1556.3	1839.4	1853.1	1489.9
45°	2339.3	2335.4	2306.1	1966.3	1591.4	1610.9	1489.9	1694.9	2013.2	2009.3	1595.3
47.5°	2354.9	2360.8	2358.8	2062.0	1679.3	1687.1	1609.0	1796.4	2224.1	2181.1	1734.0
50°	2267.0	2270.9	2298.3	2138.2	1743.7	1751.5	1702.7	1911.6	2401.8	2351.0	1858.9
52.5°	2022.9	2046.4	2161.6	2091.3	1771.1	1800.3	1790.6	1999.5	2618.5	2556.0	2013.2
55°	1503.5	1558.2	1821.8	1915.5	1757.4	1802.3	1868.7	2159.6	2815.7	2739.6	2138.2
57.5°	1198.9	1208.7	1364.9	1622.7	1646.1	1792.5	1950.7	2257.3	2938.7	2862.6	2228.0
60°	947.0	962.7	1064.2	1271.2	1437.1	1734.0	1974.1	2356.8	3036.4	2971.9	2327.6
62.5°	734.2	732.2	810.3	949.0	1157.9	1610.9	1942.9	2417.4	3161.3	3112.5	2505.2
65°	511.6	511.6	578.0	689.3	876.7	1390.3	1880.4	2503.3	3374.2	3360.5	2725.9
67.5°	349.5	357.3	402.2	456.9	601.4	1130.6	1786.7	2591.2	3684.6	3620.2	2938.7
70°	255.8	255.8	273.4	302.7	374.9	843.5	1618.7	2593.1	3911.2	3844.8	3050.0
72.5°	189.4	189.4	203.1	216.7	236.3	560.4	1327.8	2429.1	3852.6	3747.1	2823.5
75°	99.6	99.6	154.3	160.1	158.2	363.2	980.2	1995.6	3257.0	3081.3	2210.4
77.5°	78.1	80.1	87.9	125.0	115.2	238.2	546.7	1228.2	2105.0	1890.2	1197.0
80°	56.6	54.7	68.3	80.1	68.3	138.6	257.7	538.9	745.9	646.3	394.4
82.5°	33.2	35.1	41.0	58.6	58.6	97.6	167.9	236.3	267.5	265.6	236.3
85°	3.9	5.9	21.5	39.1	35.1	56.6	140.6	164.0	210.9	214.8	210.9
87.5°	3.9	3.9	5.9	7.8	9.8	37.1	119.1	142.5	195.3	208.9	210.9
90°	7.8	5.9	3.9	3.9	5.9	29.3	111.3	146.4	207.0	210.9	220.6
92.5°	9.8	7.8	3.9	2.0	5.9	23.4	105.4	146.4	214.8	228.5	238.2
95°	13.7	11.7	3.9	2.0	5.9	19.5	89.8	138.6	224.6	248.0	257.7
97.5°	17.6	15.6	3.9	3.9	5.9	15.6	70.3	109.3	148.4	167.9	181.6
100°	19.5	19.5	3.9	3.9	5.9	9.8	35.1	60.5	46.9	44.9	50.8
102.5°	21.5	21.5	3.9	3.9	3.9	5.9	11.7	25.4	9.8	9.8	15.6
105°	21.5	21.5	3.9	3.9	3.9	3.9	3.9	9.8	7.8	9.8	17.6
107.5°	19.5	21.5	3.9	5.9	5.9	3.9	3.9	3.9	7.8	11.7	17.6
110°	17.6	17.6	3.9	5.9	5.9	3.9	2.0	3.9	7.8	11.7	19.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	13.7	9.8	2.0	5.9	3.9	3.9	2.0	3.9	9.8	13.7	19.5
115°	5.9	3.9	2.0	3.9	3.9	3.9	2.0	3.9	9.8	15.6	19.5
117.5°	3.9	2.0	2.0	2.0	2.0	3.9	2.0	5.9	13.7	17.6	23.4
120°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	5.9	17.6	19.5	27.3
122.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	17.6	19.5	27.3
125°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	13.7	17.6	23.4
127.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	9.8	13.7	19.5
130°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	9.8	11.7	15.6
132.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	5.9	7.8	11.7
135°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	3.9	7.8
137.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
140°	2.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
142.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
145°	2.0	2.0	2.0	2.0	3.9	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	2.0	2.0	2.0	3.9	3.9	3.9	2.0	2.0	2.0	2.0	2.0
150°	3.9	5.9	9.8	7.8	3.9	2.0	3.9	2.0	2.0	2.0	2.0
152.5°	9.8	9.8	7.8	7.8	2.0	2.0	3.9	3.9	2.0	2.0	2.0
155°	7.8	7.8	5.9	2.0	2.0	2.0	2.0	3.9	5.9	7.8	5.9
157.5°	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
160°	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	556.5	556.5	556.5	556.5	556.5	556.5	556.5	556.5	556.5	556.5	556.5
2.5°	558.5	538.9	496.0	462.8	427.6	408.1	371.0	339.8	316.3	312.4	312.4
5°	558.5	519.4	443.3	361.2	285.1	246.0	224.6	210.9	201.1	197.2	195.3
7.5°	499.9	449.1	347.6	251.9	218.7	183.5	158.2	138.6	121.1	115.2	109.3
10°	437.4	374.9	236.3	173.8	138.6	115.2	103.5	97.6	91.8	89.8	89.8
12.5°	388.6	324.1	189.4	142.5	97.6	82.0	78.1	74.2	72.2	70.3	68.3
15°	474.5	388.6	197.2	97.6	68.3	58.6	54.7	56.6	60.5	60.5	60.5
17.5°	439.3	341.7	164.0	74.2	56.6	43.0	46.9	50.8	54.7	48.8	46.9
20°	525.3	402.2	160.1	58.6	46.9	43.0	41.0	35.1	44.9	44.9	44.9
22.5°	380.8	304.6	121.1	54.7	39.1	37.1	31.2	35.1	37.1	31.2	31.2
25°	564.3	396.4	119.1	43.0	39.1	29.3	31.2	25.4	31.2	31.2	31.2
27.5°	699.0	468.6	105.4	44.9	33.2	29.3	23.4	25.4	23.4	23.4	23.4
30°	831.8	527.2	95.7	44.9	31.2	23.4	21.5	19.5	23.4	23.4	23.4
32.5°	870.9	513.5	76.2	46.9	29.3	21.5	17.6	19.5	19.5	21.5	21.5
35°	915.8	501.8	64.4	41.0	27.3	19.5	15.6	17.6	19.5	21.5	21.5
37.5°	958.8	482.3	58.6	37.1	23.4	17.6	13.7	15.6	41.0	44.9	44.9
40°	1013.4	458.9	54.7	33.2	19.5	13.7	11.7	31.2	37.1	43.0	43.0
42.5°	1091.5	445.2	50.8	31.2	17.6	11.7	11.7	27.3	52.7	58.6	58.6
45°	1156.0	421.8	48.8	27.3	15.6	9.8	19.5	37.1	43.0	54.7	52.7
47.5°	1236.0	400.3	46.9	25.4	13.7	9.8	21.5	39.1	54.7	62.5	62.5
50°	1321.9	388.6	44.9	23.4	13.7	9.8	37.1	37.1	44.9	70.3	70.3
52.5°	1431.3	380.8	41.0	19.5	11.7	19.5	50.8	44.9	54.7	72.2	72.2
55°	1484.0	355.4	39.1	17.6	9.8	19.5	54.7	50.8	56.6	76.2	76.2
57.5°	1530.9	330.0	35.1	17.6	9.8	25.4	58.6	64.4	54.7	66.4	74.2
60°	1573.8	304.6	31.2	15.6	9.8	31.2	64.4	89.8	76.2	89.8	89.8
62.5°	1673.4	285.1	27.3	17.6	7.8	35.1	84.0	109.3	85.9	109.3	107.4
65°	1767.1	261.7	25.4	15.6	9.8	41.0	91.8	126.9	93.7	126.9	126.9
67.5°	1804.2	232.4	23.4	15.6	9.8	46.9	91.8	140.6	111.3	142.5	144.5
70°	1739.8	191.4	21.5	17.6	11.7	52.7	95.7	150.4	119.1	166.0	166.0
72.5°	1478.2	130.8	21.5	19.5	23.4	58.6	113.3	156.2	125.0	199.2	201.1
75°	1103.2	74.2	23.4	21.5	25.4	66.4	125.0	162.1	130.8	201.1	201.1
77.5°	628.8	50.8	23.4	25.4	31.2	66.4	130.8	167.9	128.9	197.2	193.3
80°	218.7	37.1	23.4	29.3	39.1	66.4	132.8	166.0	125.0	183.5	183.5
82.5°	148.4	31.2	23.4	29.3	46.9	70.3	130.8	156.2	111.3	154.3	148.4
85°	138.6	25.4	25.4	31.2	50.8	70.3	119.1	134.7	93.7	115.2	113.3
87.5°	136.7	23.4	29.3	33.2	54.7	64.4	101.5	111.3	76.2	93.7	91.8
90°	142.5	23.4	31.2	35.1	50.8	52.7	82.0	93.7	62.5	74.2	72.2
92.5°	152.3	23.4	33.2	39.1	44.9	39.1	66.4	74.2	52.7	56.6	54.7
95°	162.1	23.4	37.1	41.0	37.1	29.3	50.8	60.5	43.0	41.0	41.0
97.5°	107.4	17.6	39.1	41.0	31.2	21.5	39.1	46.9	25.4	21.5	21.5
100°	35.1	13.7	41.0	43.0	29.3	15.6	33.2	35.1	19.5	9.8	9.8
102.5°	15.6	13.7	37.1	37.1	25.4	11.7	23.4	25.4	13.7	3.9	3.9
105°	13.7	7.8	21.5	27.3	17.6	5.9	11.7	13.7	7.8	3.9	3.9
107.5°	15.6	7.8	11.7	15.6	7.8	5.9	5.9	5.9	3.9	3.9	3.9
110°	15.6	7.8	5.9	9.8	7.8	5.9	3.9	3.9	3.9	5.9	5.9

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.6	7.8	5.9	7.8	5.9	5.9	3.9	3.9	7.8	13.7	13.7
115°	17.6	7.8	5.9	7.8	5.9	5.9	3.9	2.0	7.8	19.5	21.5
117.5°	19.5	9.8	3.9	5.9	3.9	3.9	3.9	2.0	9.8	25.4	25.4
120°	23.4	9.8	3.9	3.9	3.9	2.0	3.9	3.9	9.8	27.3	27.3
122.5°	23.4	11.7	3.9	3.9	3.9	2.0	2.0	3.9	11.7	25.4	27.3
125°	19.5	9.8	3.9	3.9	3.9	2.0	2.0	3.9	11.7	23.4	27.3
127.5°	15.6	9.8	3.9	3.9	3.9	2.0	2.0	3.9	11.7	19.5	21.5
130°	13.7	7.8	3.9	3.9	3.9	2.0	2.0	3.9	9.8	15.6	17.6
132.5°	9.8	5.9	3.9	3.9	3.9	2.0	2.0	2.0	9.8	15.6	15.6
135°	7.8	5.9	3.9	3.9	3.9	2.0	2.0	2.0	7.8	11.7	11.7
137.5°	3.9	2.0	3.9	3.9	3.9	2.0	2.0	2.0	5.9	5.9	5.9
140°	2.0	2.0	2.0	3.9	2.0	2.0	2.0	2.0	2.0	3.9	2.0
142.5°	2.0	2.0	2.0	3.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0
145°	2.0	2.0	2.0	3.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	2.0	2.0	2.0	3.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0
150°	2.0	2.0	2.0	3.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0
152.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0
155°	3.9	3.9	2.0	3.9	2.0	2.0	0.0	2.0	2.0	2.0	2.0
157.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0
160°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0
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

(END OF REPORT)