

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: P560521

Luminaire Tested: **SDL-PA1-50-727-U-T3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560521
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-1)
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-T3-HSS-A
Description: Springdale
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3752.9 lumens
Efficiency: N/A
Efficacy: 71.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type IV - 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

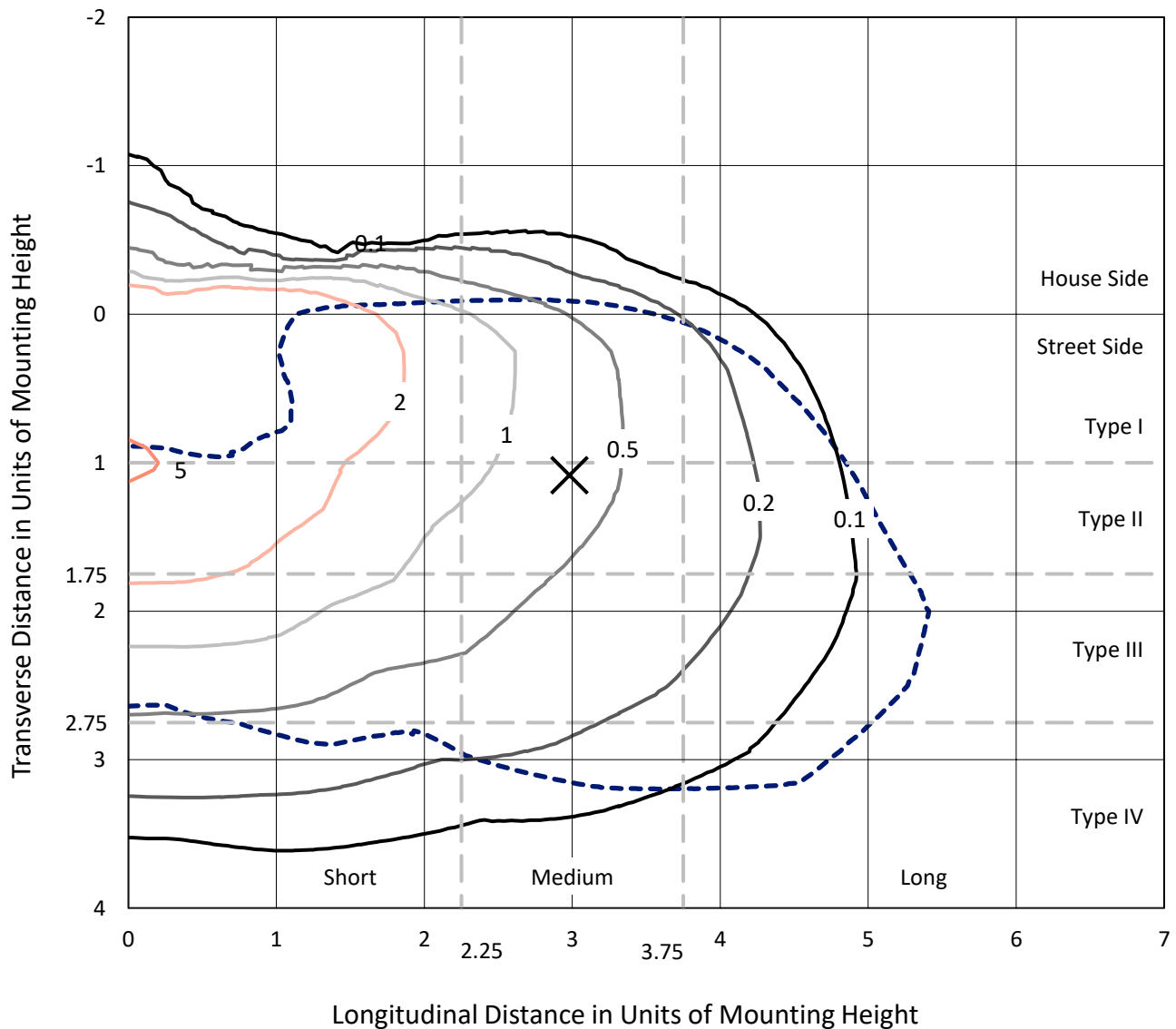


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

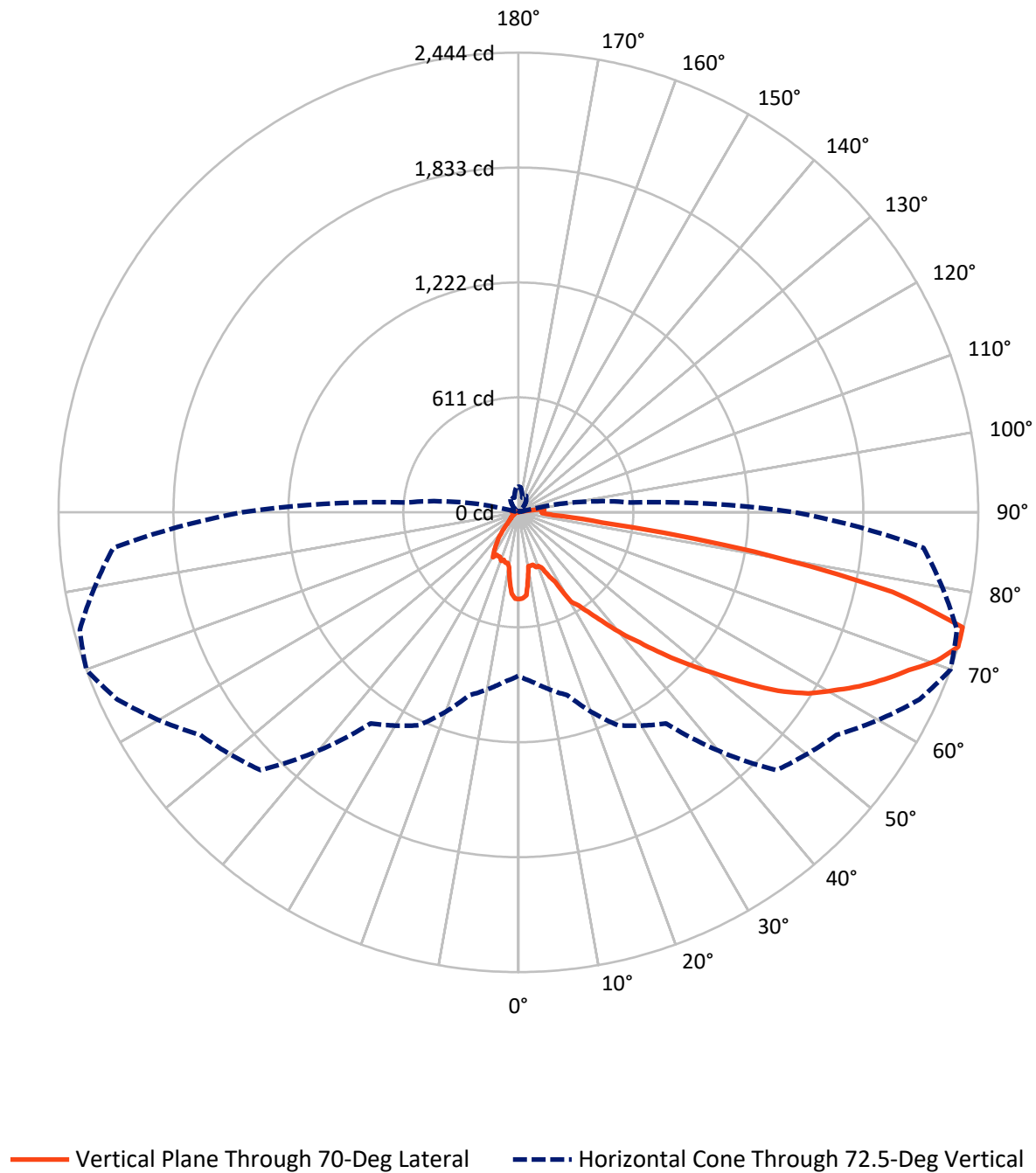


Based on 10 foot mounting height. Maximum calculated value = 5.3 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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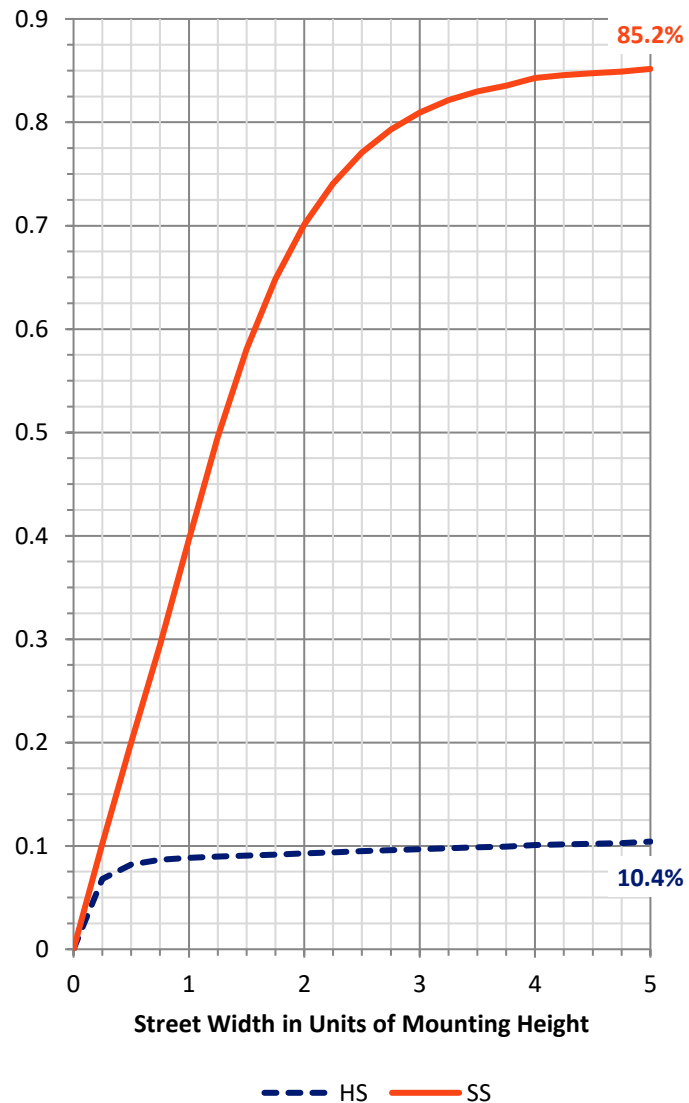
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	430.2	60.6	490.7
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	3213.2	49.0	3262.2
	% Fixture	85.6	1.3	86.9
Total	Lumens	3643.3	109.6	3752.9
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.6	0.9
10°-20°	70.3	1.9
20°-30°	113.8	3.0
30°-40°	243.3	6.5
40°-50°	478.2	12.7
50°-60°	798.5	21.3
60°-70°	991.1	26.4
70°-80°	763.3	20.3
80°-90°	149.3	4.0
90°-100°	81.0	2.2
100°-110°	16.8	0.4
110°-120°	4.8	0.1
120°-130°	3.7	0.1
130°-140°	1.8	0.0
140°-150°	0.8	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3643.3	97.1
0°-180°	3752.9	100.0

Coefficient of Utilization



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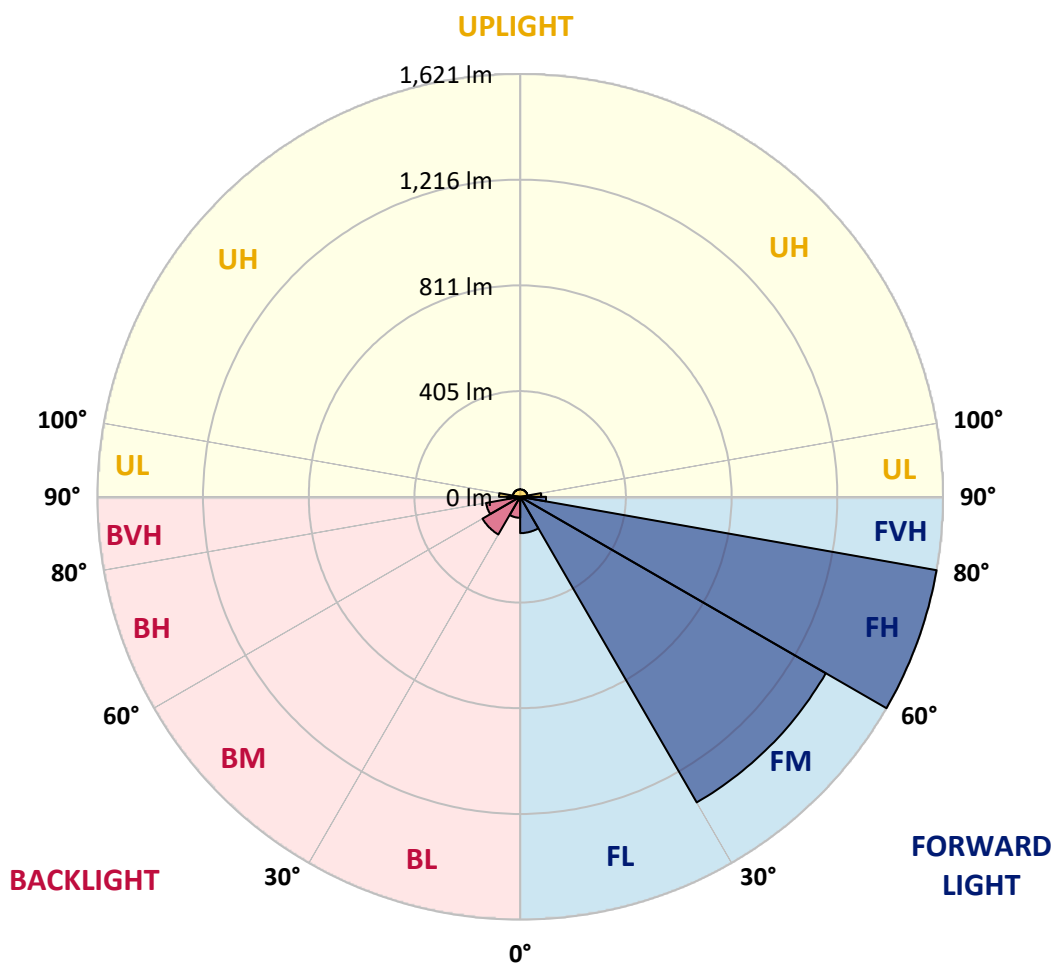
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	139.2	3.7			
FM	(30°-60°)	1353.2	36.1			
FH	(60°-80°)	1621.4	43.2			G1/1800
FVH	(80°-90°)	99.3	2.6			G1/100
BL	(0°-30°)	80.5	2.1	B0/110		
BM	(30°-60°)	166.8	4.4	B0/220		
BH	(60°-80°)	132.9	3.5	B1/500		G1/500
BVH	(80°-90°)	49.9	1.3			G1/100
UL	(90°-100°)	81.0	2.2		U3/500	
UH	(100°-180°)	28.6	0.8		U2/50	

BUG Rating: B1-U3-G1

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0
2.5°	388.7	431.7	433.6	437.5	441.4	447.3	457.1	457.1	457.1	457.1	459.0
5°	369.2	369.2	369.2	373.1	373.1	377.0	378.9	437.5	443.4	449.2	449.2
7.5°	306.7	336.0	337.9	349.6	363.3	369.2	373.1	369.2	363.3	386.7	396.5
10°	336.0	336.0	336.0	339.9	320.3	310.6	287.1	289.1	291.0	308.6	351.6
12.5°	279.3	296.9	314.5	334.0	308.6	277.4	271.5	287.1	291.0	259.8	308.6
15°	326.2	324.2	324.2	306.7	255.9	277.4	242.2	255.9	289.1	316.4	367.2
17.5°	269.5	261.7	304.7	300.8	273.5	218.8	279.3	277.4	306.7	283.2	316.4
20°	320.3	318.4	318.4	246.1	271.5	294.9	291.0	271.5	304.7	339.9	400.4
22.5°	269.5	265.6	273.5	294.9	269.5	304.7	265.6	336.0	320.3	310.6	291.0
25°	339.9	337.9	337.9	269.5	304.7	279.3	336.0	306.7	371.1	404.3	441.4
27.5°	304.7	304.7	291.0	312.5	291.0	351.6	322.3	386.7	419.9	441.4	533.2
30°	421.9	423.9	400.4	310.6	324.2	330.1	380.9	478.5	550.8	603.6	660.2
32.5°	607.5	595.7	498.1	423.9	343.8	408.2	421.9	556.7	591.8	648.5	697.3
35°	826.2	820.4	734.4	548.9	414.1	437.5	470.7	605.5	660.2	716.8	746.1
37.5°	976.6	970.8	916.1	699.3	500.0	509.8	513.7	673.9	744.2	800.8	814.5
40°	1099.7	1089.9	1056.7	816.5	615.3	595.7	576.2	767.6	847.7	894.6	900.4
42.5°	1285.2	1269.6	1185.6	951.2	732.5	711.0	644.6	849.7	945.4	1007.9	1011.8
45°	1507.9	1494.2	1377.0	1138.7	857.5	851.6	765.7	955.1	1068.4	1142.6	1121.2
47.5°	1660.3	1623.1	1556.7	1318.4	1050.8	1000.1	900.4	1062.6	1201.2	1312.6	1252.0
50°	1798.9	1771.6	1714.9	1517.7	1259.8	1191.5	1041.1	1185.6	1341.9	1443.4	1361.4
52.5°	1927.9	1886.8	1840.0	1666.1	1439.5	1406.3	1179.8	1308.7	1504.0	1588.0	1474.7
55°	1992.3	1927.9	1920.0	1800.9	1578.2	1550.9	1336.0	1461.0	1673.9	1732.5	1582.1
57.5°	1886.8	1884.9	1945.4	1882.9	1691.5	1677.8	1494.2	1625.1	1816.5	1843.9	1687.6
60°	1816.5	1818.5	1910.3	1914.2	1791.1	1798.9	1636.8	1814.6	1922.0	1939.6	1787.2
62.5°	1693.5	1707.1	1845.8	1935.7	1816.5	1914.2	1757.9	1945.4	2035.3	2041.1	1910.3
65°	1539.2	1552.8	1693.5	1877.1	1789.2	1990.4	1859.5	2091.9	2138.8	2142.7	2045.0
67.5°	1359.5	1365.3	1521.6	1724.7	1722.8	2017.7	1922.0	2189.6	2238.4	2250.1	2160.3
70°	1160.2	1152.4	1295.0	1529.4	1580.2	2004.0	1998.2	2285.3	2359.5	2357.6	2240.4
72.5°	869.2	906.3	1005.9	1248.1	1369.2	1937.6	2062.6	2351.7	2443.5	2412.3	2160.3
75°	296.9	316.4	586.0	795.0	1054.8	1759.9	2076.3	2355.6	2437.6	2299.0	1767.7
77.5°	97.7	91.8	130.9	316.4	586.0	1218.8	1826.3	2054.8	2033.3	1787.2	1086.0
80°	46.9	48.8	58.6	111.3	214.9	552.8	1146.6	1300.9	1271.6	937.6	470.7
82.5°	31.3	33.2	39.1	64.5	121.1	189.5	609.4	593.8	449.2	294.9	193.4
85°	13.7	13.7	19.5	33.2	74.2	125.0	232.4	203.1	183.6	169.9	158.2
87.5°	3.9	3.9	7.8	11.7	25.4	78.1	130.9	123.1	127.0	132.8	150.4
90°	3.9	3.9	3.9	3.9	19.5	82.0	132.8	125.0	125.0	132.8	158.2
92.5°	5.9	5.9	3.9	3.9	17.6	82.0	138.7	119.1	127.0	134.8	169.9
95°	5.9	7.8	3.9	2.0	13.7	84.0	142.6	127.0	138.7	136.7	181.7
97.5°	7.8	7.8	3.9	2.0	7.8	72.3	144.5	103.5	105.5	97.7	142.6
100°	9.8	9.8	3.9	3.9	5.9	37.1	107.4	66.4	41.0	31.3	46.9
102.5°	11.7	11.7	3.9	3.9	3.9	13.7	48.8	39.1	21.5	5.9	11.7
105°	11.7	13.7	3.9	3.9	2.0	5.9	21.5	15.6	7.8	5.9	11.7
107.5°	13.7	13.7	3.9	3.9	2.0	3.9	5.9	5.9	3.9	5.9	11.7
110°	13.7	13.7	5.9	3.9	2.0	3.9	2.0	3.9	3.9	5.9	13.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	9.8	9.8	3.9	5.9	2.0	2.0	2.0	3.9	3.9	5.9	11.7
115°	5.9	3.9	2.0	3.9	2.0	2.0	2.0	3.9	3.9	3.9	9.8
117.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	3.9	5.9	11.7
120°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	3.9	7.8	13.7
122.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	7.8	15.6
125°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	5.9	13.7
127.5°	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0	3.9	5.9	11.7
130°	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	3.9	7.8
132.5°	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	3.9	7.8
135°	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9
137.5°	2.0	2.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
140°	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
142.5°	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
145°	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
150°	3.9	3.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
152.5°	3.9	3.9	3.9	2.0	2.0	2.0	2.0	3.9	3.9	2.0	2.0
155°	2.0	2.0	2.0	0.0	0.0	2.0	2.0	2.0	2.0	3.9	3.9
157.5°	0.0	2.0	2.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0
160°	0.0	0.0	0.0	0.0	0.0	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°	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0
2.5°	459.0	459.0	457.1	461.0	459.0	459.0	433.6	408.2	402.4	404.3	408.2
5°	451.2	451.2	451.2	419.9	384.8	373.1	377.0	377.0	377.0	375.0	378.9
7.5°	398.5	396.5	390.6	355.5	371.1	369.2	367.2	363.3	316.4	304.7	304.7
10°	353.5	353.5	302.8	289.1	289.1	300.8	308.6	296.9	291.0	281.3	279.3
12.5°	310.6	310.6	259.8	289.1	244.2	242.2	236.3	216.8	183.6	160.2	162.1
15°	369.2	369.2	306.7	246.1	205.1	193.4	121.1	113.3	109.4	107.4	105.5
17.5°	314.5	316.4	283.2	244.2	191.4	101.6	85.9	85.9	85.9	82.0	74.2
20°	398.5	398.5	330.1	218.8	144.5	80.1	66.4	58.6	80.1	80.1	80.1
22.5°	289.1	285.2	291.0	222.7	89.8	64.5	54.7	68.4	72.3	60.6	60.6
25°	437.5	431.7	353.5	160.2	74.2	50.8	60.6	52.7	68.4	68.4	68.4
27.5°	539.1	500.0	359.4	146.5	54.7	58.6	48.8	58.6	52.7	50.8	50.8
30°	648.5	630.9	433.6	115.2	52.7	48.8	50.8	46.9	54.7	50.8	50.8
32.5°	683.6	666.1	392.6	89.8	50.8	46.9	43.0	44.9	43.0	44.9	44.9
35°	728.6	711.0	347.7	68.4	46.9	41.0	39.1	39.1	37.1	35.2	35.2
37.5°	793.0	763.7	296.9	58.6	43.0	37.1	31.3	29.3	31.3	39.1	41.0
40°	867.2	818.4	234.4	52.7	37.1	31.3	23.4	27.3	33.2	33.2	33.2
42.5°	974.7	884.8	173.8	48.8	33.2	25.4	17.6	21.5	25.4	35.2	35.2
45°	1068.4	923.9	123.1	44.9	27.3	19.5	13.7	21.5	27.3	31.3	31.3
47.5°	1177.8	961.0	91.8	43.0	25.4	13.7	15.6	21.5	21.5	33.2	33.2
50°	1269.6	968.8	74.2	39.1	19.5	9.8	19.5	19.5	23.4	29.3	29.3
52.5°	1355.6	976.6	66.4	35.2	15.6	7.8	19.5	19.5	27.3	35.2	35.2
55°	1412.2	953.2	60.6	31.3	13.7	5.9	21.5	21.5	21.5	27.3	27.3
57.5°	1457.1	923.9	56.6	27.3	11.7	11.7	23.4	27.3	23.4	27.3	27.3
60°	1486.4	871.1	48.8	25.4	9.8	11.7	29.3	35.2	27.3	41.0	41.0
62.5°	1539.2	830.1	43.0	23.4	7.8	11.7	29.3	44.9	35.2	54.7	56.6
65°	1582.1	793.0	37.1	17.6	7.8	15.6	33.2	56.6	43.0	68.4	70.3
67.5°	1599.7	748.1	31.3	15.6	7.8	17.6	43.0	70.3	54.7	80.1	80.1
70°	1586.0	701.2	25.4	15.6	7.8	27.3	56.6	82.0	66.4	97.7	99.6
72.5°	1466.9	597.7	19.5	15.6	5.9	29.3	70.3	97.7	80.1	132.8	136.7
75°	1123.1	378.9	19.5	15.6	7.8	33.2	82.0	113.3	95.7	148.4	154.3
77.5°	685.6	175.8	19.5	17.6	9.8	41.0	89.8	130.9	105.5	160.2	164.1
80°	304.7	109.4	19.5	19.5	19.5	50.8	105.5	144.5	119.1	169.9	175.8
82.5°	152.4	82.0	17.6	19.5	29.3	60.6	125.0	154.3	123.1	175.8	177.7
85°	130.9	74.2	17.6	21.5	31.3	70.3	134.8	156.3	128.9	173.8	175.8
87.5°	125.0	70.3	21.5	21.5	35.2	74.2	138.7	164.1	132.8	168.0	166.0
90°	130.9	68.4	23.4	25.4	44.9	76.2	140.6	160.2	132.8	158.2	158.2
92.5°	134.8	66.4	25.4	29.3	54.7	85.9	138.7	156.3	132.8	146.5	146.5
95°	138.7	66.4	29.3	33.2	54.7	93.8	132.8	142.6	123.1	130.9	128.9
97.5°	105.5	48.8	35.2	37.1	50.8	72.3	107.4	111.3	80.1	78.1	76.2
100°	37.1	21.5	35.2	41.0	31.3	31.3	64.5	78.1	46.9	29.3	33.2
102.5°	11.7	9.8	31.3	41.0	25.4	11.7	33.2	48.8	35.2	3.9	3.9
105°	11.7	11.7	17.6	33.2	17.6	3.9	11.7	27.3	21.5	3.9	3.9
107.5°	11.7	9.8	7.8	19.5	5.9	3.9	5.9	5.9	5.9	2.0	3.9
110°	13.7	9.8	3.9	5.9	3.9	3.9	3.9	3.9	3.9	7.8	7.8

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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)