

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: P560525

Luminaire Tested: **SDL-PA1-50-727-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560525
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-9)
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-T4W-HSS-A
Description: Springdale
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS, HOUSE SIDE SHEILD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3649.5 lumens
Efficiency: N/A
Efficacy: 69.6 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 - G2

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

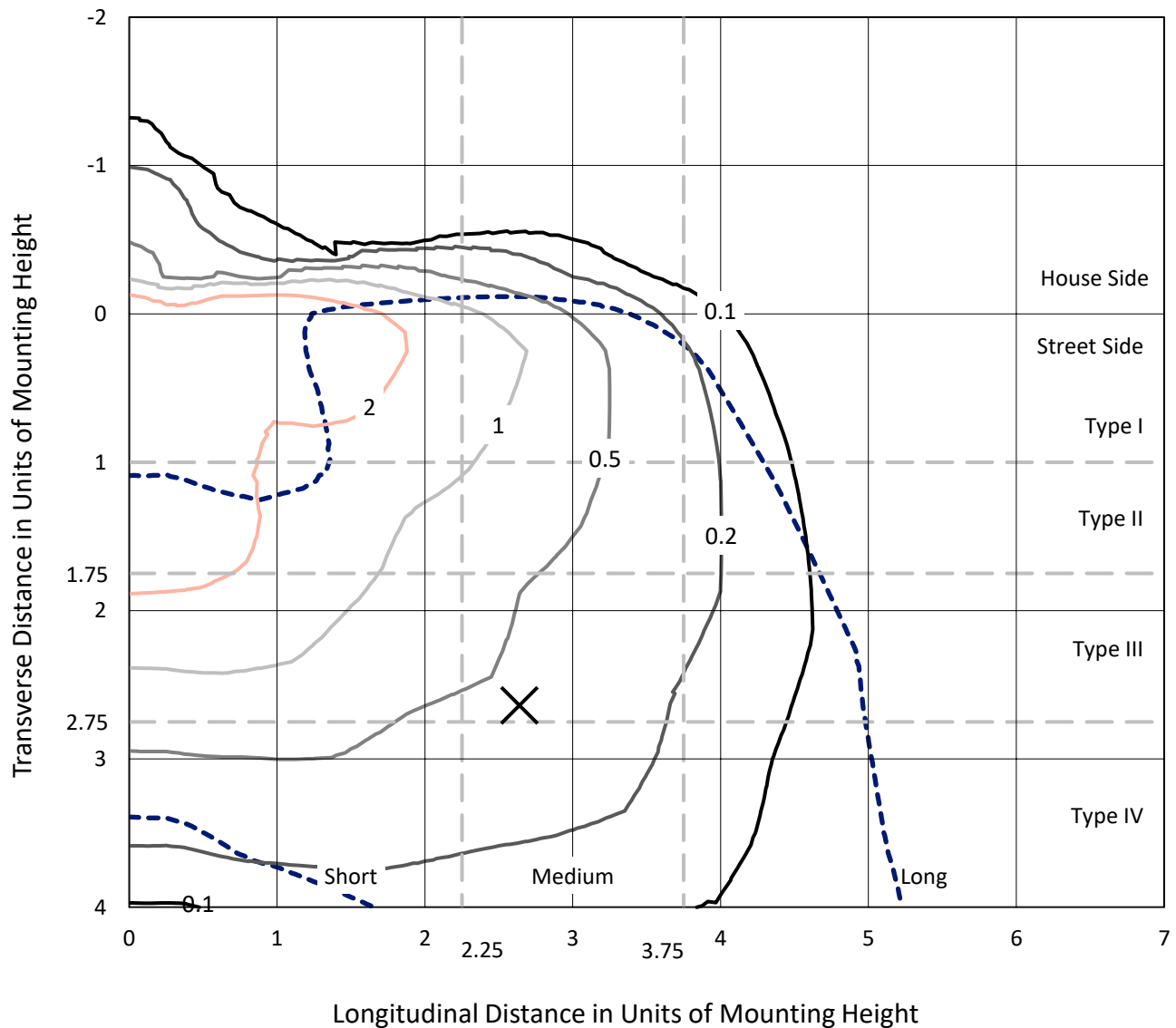


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

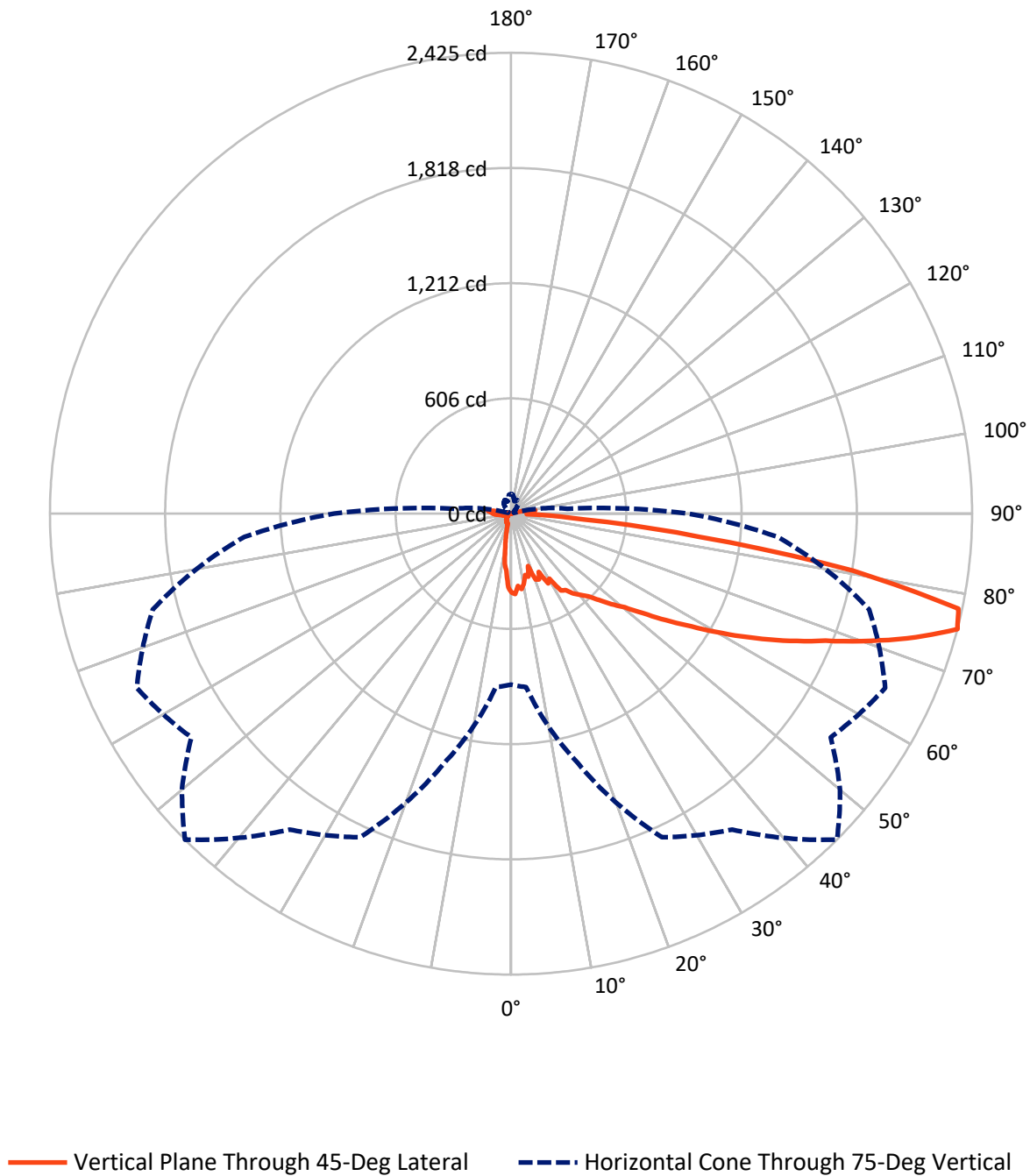


Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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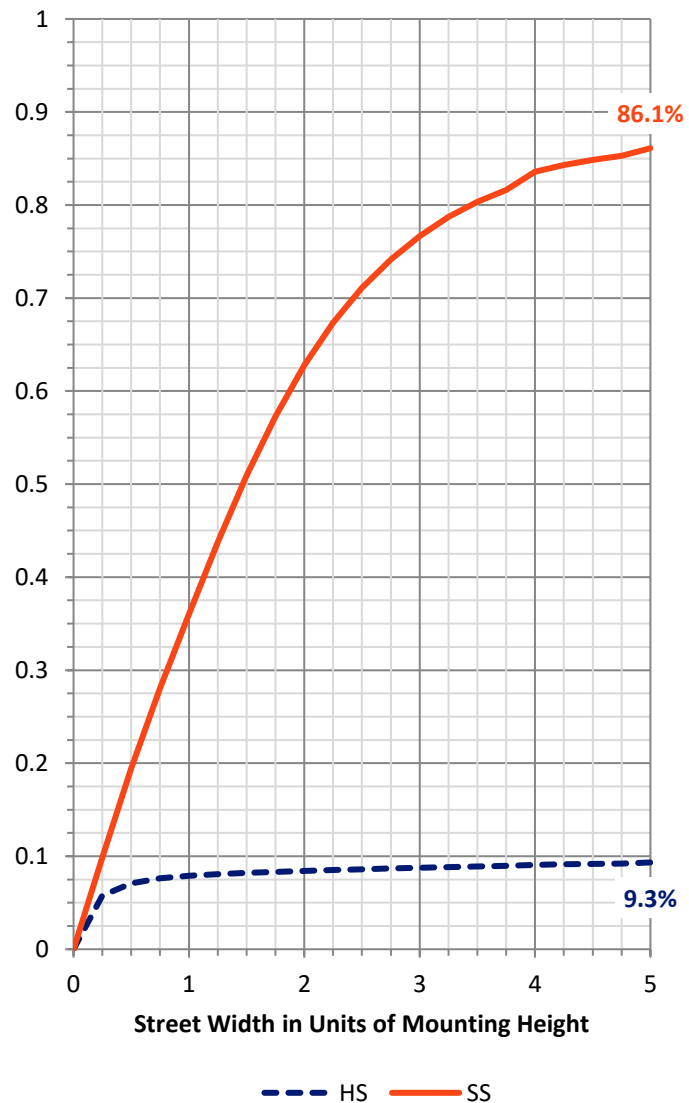
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	374.5	65.6	440.0
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	3158.7	50.7	3209.4
	% Fixture	86.6	1.4	87.9
Total	Lumens	3533.2	116.3	3649.5
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.3	0.9
10°-20°	69.8	1.9
20°-30°	117.1	3.2
30°-40°	217.2	6.0
40°-50°	366.1	10.0
50°-60°	657.0	18.0
60°-70°	986.5	27.0
70°-80°	902.6	24.7
80°-90°	184.5	5.1
90°-100°	88.3	2.4
100°-110°	18.8	0.5
110°-120°	3.6	0.1
120°-130°	2.9	0.1
130°-140°	1.3	0.0
140°-150°	0.7	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3533.2	96.8
0°-180°	3649.5	100.0

Coefficient of Utilization



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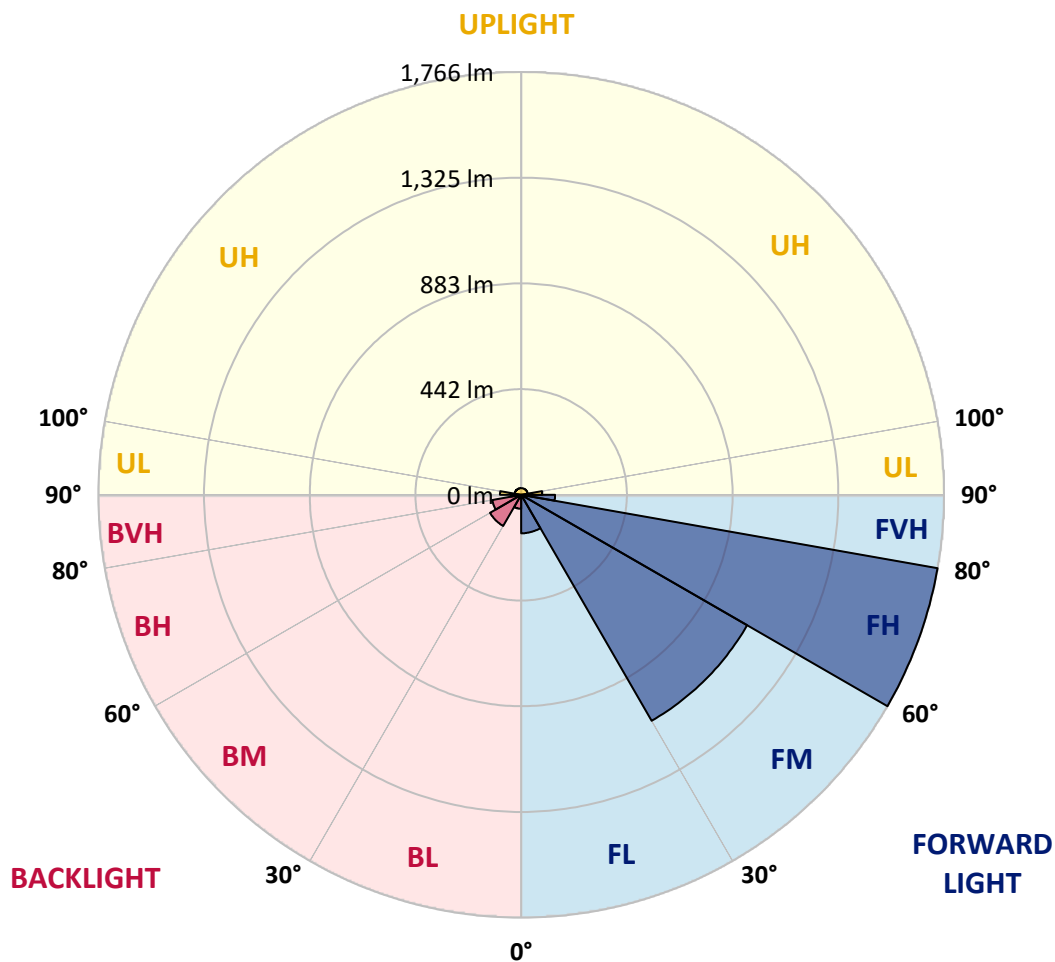
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	160.8	4.4			
FM	(30°-60°)	1090.0	29.9			
FH	(60°-80°)	1766.4	48.4			G1/1800
FVH	(80°-90°)	141.5	3.9			G2/225
BL	(0°-30°)	58.5	1.6	B0/110		
BM	(30°-60°)	150.2	4.1	B0/220		
BH	(60°-80°)	122.7	3.4	B1/500		G1/500
BVH	(80°-90°)	43.0	1.2			G1/100
UL	(90°-100°)	88.3	2.4		U3/500	
UH	(100°-180°)	28.0	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	415.8	415.8	415.8	415.8	415.8	415.8	415.8	415.8	415.8	415.8	415.8
2.5°	404.1	423.6	417.8	427.5	425.6	423.6	423.6	425.6	423.6	419.7	415.8
5°	411.9	406.1	402.1	400.2	392.4	382.6	378.7	374.8	415.8	415.8	408.0
7.5°	423.6	423.6	415.8	410.0	410.0	400.2	390.4	382.6	363.1	357.2	357.2
10°	451.0	447.0	441.2	429.5	370.9	372.9	351.4	308.4	288.9	296.7	308.4
12.5°	456.8	454.9	447.0	445.1	390.4	331.9	275.3	308.4	294.8	246.0	273.3
15°	490.0	486.1	470.5	443.1	333.8	343.6	320.2	275.3	263.5	300.6	322.1
17.5°	417.8	417.8	468.5	429.5	363.1	288.9	287.0	320.2	288.9	269.4	267.4
20°	513.4	513.4	491.9	351.4	372.9	369.0	296.7	335.8	283.1	320.2	341.6
22.5°	427.5	425.6	441.2	435.3	357.2	376.8	304.5	306.5	337.7	288.9	247.9
25°	521.2	521.2	509.5	378.7	406.1	339.7	347.5	367.0	300.6	365.1	369.0
27.5°	449.0	447.0	425.6	433.4	378.7	415.8	316.3	345.5	369.0	394.3	433.4
30°	548.6	552.5	542.7	411.9	421.7	396.3	376.8	400.2	447.0	525.1	550.5
32.5°	677.4	681.3	577.8	495.9	423.6	482.2	404.1	441.2	513.4	550.5	577.8
35°	753.5	724.3	679.4	554.4	456.8	493.9	464.6	470.5	534.9	593.5	613.0
37.5°	818.0	778.9	726.2	572.0	482.2	532.9	484.1	491.9	579.8	632.5	657.9
40°	839.4	816.0	786.7	611.0	513.4	562.2	507.6	525.1	622.7	683.3	722.3
42.5°	892.1	894.1	876.5	665.7	546.6	593.5	546.6	558.3	679.4	753.5	810.2
45°	1032.7	1036.6	1017.1	759.4	587.6	648.1	609.1	614.9	743.8	860.9	933.1
47.5°	1212.3	1198.6	1179.1	884.3	650.1	710.6	681.3	675.5	819.9	1001.5	1065.9
50°	1393.9	1368.5	1327.5	1056.1	757.4	775.0	755.5	751.6	911.7	1145.9	1216.2
52.5°	1583.2	1563.7	1477.8	1218.2	917.5	868.7	847.2	868.7	1030.7	1306.0	1370.4
55°	1682.8	1663.2	1608.6	1391.9	1071.7	989.8	952.7	991.7	1214.3	1456.3	1540.3
57.5°	1764.8	1758.9	1733.5	1573.5	1259.2	1118.6	1081.5	1118.6	1360.7	1596.9	1696.4
60°	1881.9	1858.5	1881.9	1749.1	1440.7	1276.7	1226.0	1265.0	1540.3	1719.9	1868.2
62.5°	1965.8	1960.0	2006.8	1946.3	1593.0	1442.7	1368.5	1405.6	1698.4	1850.7	2038.1
65°	1876.0	1905.3	2092.7	2075.2	1764.8	1612.5	1534.4	1522.7	1827.2	1991.2	2219.6
67.5°	1716.0	1735.5	2008.8	2141.5	1915.1	1784.3	1690.6	1635.9	1946.3	2118.1	2364.1
70°	1563.7	1587.1	1837.0	2145.4	1987.3	2004.9	1874.1	1772.6	2065.4	2260.6	2395.3
72.5°	1442.7	1464.1	1688.6	2098.6	2012.7	2225.5	2075.2	1917.0	2180.6	2264.5	2092.7
75°	900.0	915.6	1358.7	1878.0	2028.3	2424.6	2258.7	2051.7	2170.8	1950.2	1407.5
77.5°	277.2	283.1	581.7	1239.6	1762.8	2405.1	2227.4	1928.7	1819.4	1237.7	642.3
80°	95.7	97.6	150.3	441.2	1054.2	1825.3	1698.4	1419.2	1087.4	456.8	242.1
82.5°	44.9	48.8	70.3	148.4	429.5	997.6	1003.4	843.3	456.8	203.0	164.0
85°	15.6	15.6	29.3	64.4	165.9	384.6	365.1	339.7	240.1	183.5	152.3
87.5°	5.9	5.9	9.8	17.6	41.0	82.0	103.5	126.9	126.9	128.8	154.2
90°	5.9	5.9	3.9	3.9	29.3	85.9	103.5	115.2	105.4	117.1	167.9
92.5°	5.9	5.9	3.9	3.9	31.2	99.6	115.2	124.9	111.3	124.9	185.5
95°	5.9	5.9	3.9	3.9	35.1	121.0	134.7	132.7	111.3	130.8	199.1
97.5°	7.8	7.8	3.9	2.0	31.2	128.8	144.5	140.6	95.7	99.6	156.2
100°	7.8	7.8	3.9	2.0	19.5	95.7	115.2	113.2	62.5	15.6	44.9
102.5°	7.8	7.8	3.9	2.0	3.9	44.9	54.7	56.6	37.1	5.9	7.8
105°	9.8	9.8	3.9	2.0	2.0	7.8	17.6	23.4	13.7	3.9	7.8
107.5°	9.8	9.8	3.9	2.0	2.0	3.9	3.9	5.9	5.9	3.9	9.8
110°	9.8	9.8	3.9	3.9	2.0	2.0	2.0	2.0	3.9	3.9	9.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	7.8	7.8	2.0	3.9	2.0	2.0	2.0	2.0	2.0	3.9	9.8
115°	3.9	3.9	2.0	2.0	0.0	2.0	2.0	2.0	2.0	3.9	7.8
117.5°	2.0	2.0	0.0	2.0	0.0	2.0	2.0	2.0	3.9	3.9	9.8
120°	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	5.9	11.7
122.5°	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	5.9	11.7
125°	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	5.9	11.7
127.5°	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	5.9	9.8
130°	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	3.9	7.8
132.5°	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	3.9	5.9
135°	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	3.9
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	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°	5.9	5.9	3.9	2.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
152.5°	3.9	3.9	5.9	2.0	0.0	0.0	2.0	2.0	3.9	2.0	2.0
155°	3.9	3.9	2.0	0.0	0.0	0.0	0.0	2.0	2.0	3.9	3.9
157.5°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	415.8	415.8	415.8	415.8	415.8	415.8	415.8	415.8	415.8	415.8	415.8
2.5°	411.9	410.0	404.1	400.2	394.3	388.5	359.2	341.6	339.7	337.7	339.7
5°	404.1	398.2	388.5	343.6	322.1	302.6	296.7	292.8	283.1	283.1	285.0
7.5°	349.4	345.5	314.3	300.6	283.1	265.5	249.9	238.2	208.9	199.1	195.2
10°	306.5	298.7	244.0	216.7	199.1	179.6	179.6	164.0	156.2	150.3	148.4
12.5°	265.5	259.6	214.7	197.2	148.4	128.8	119.1	109.3	103.5	99.6	97.6
15°	310.4	300.6	230.4	158.1	109.3	91.8	72.2	70.3	87.8	91.8	93.7
17.5°	247.9	253.8	205.0	138.6	89.8	56.6	62.5	74.2	83.9	83.9	82.0
20°	329.9	316.3	222.5	111.3	64.4	56.6	60.5	54.7	78.1	83.9	83.9
22.5°	240.1	228.4	183.5	103.5	50.8	54.7	50.8	64.4	72.2	64.4	66.4
25°	357.2	339.7	212.8	72.2	52.7	46.9	58.6	50.8	70.3	76.1	78.1
27.5°	443.1	384.6	208.9	68.3	46.9	52.7	48.8	58.6	56.6	60.5	60.5
30°	529.0	495.9	236.2	62.5	46.9	44.9	50.8	50.8	64.4	70.3	70.3
32.5°	566.1	527.1	206.9	60.5	46.9	44.9	44.9	54.7	60.5	72.2	72.2
35°	605.2	552.5	173.7	56.6	44.9	42.9	42.9	54.7	64.4	72.2	74.2
37.5°	657.9	579.8	140.6	54.7	42.9	41.0	37.1	48.8	68.3	76.1	78.1
40°	724.3	618.8	109.3	50.8	39.0	37.1	35.1	48.8	58.6	68.3	68.3
42.5°	827.7	661.8	85.9	48.8	37.1	33.2	33.2	41.0	56.6	64.4	64.4
45°	933.1	712.5	72.2	46.9	35.1	31.2	31.2	41.0	42.9	54.7	54.7
47.5°	1050.3	763.3	66.4	44.9	35.1	27.3	27.3	37.1	37.1	50.8	52.7
50°	1171.3	806.2	62.5	42.9	31.2	25.4	31.2	25.4	31.2	48.8	52.7
52.5°	1276.7	841.4	58.6	39.0	29.3	23.4	29.3	25.4	31.2	44.9	44.9
55°	1384.1	860.9	56.6	37.1	27.3	19.5	29.3	27.3	29.3	41.0	41.0
57.5°	1479.7	866.8	54.7	37.1	23.4	17.6	27.3	33.2	25.4	33.2	37.1
60°	1565.6	860.9	48.8	33.2	17.6	17.6	29.3	39.0	35.1	39.0	39.0
62.5°	1645.7	839.4	39.0	27.3	13.7	17.6	37.1	42.9	33.2	41.0	44.9
65°	1714.0	810.2	29.3	21.5	9.8	19.5	39.0	48.8	39.0	46.9	50.8
67.5°	1745.2	771.1	23.4	17.6	9.8	21.5	41.0	54.7	44.9	52.7	56.6
70°	1692.5	691.1	19.5	17.6	7.8	25.4	42.9	58.6	50.8	66.4	68.3
72.5°	1405.6	542.7	17.6	17.6	13.7	31.2	54.7	66.4	62.5	89.8	87.8
75°	931.2	296.7	17.6	15.6	17.6	37.1	66.4	78.1	68.3	101.5	101.5
77.5°	429.5	130.8	15.6	17.6	19.5	41.0	76.1	93.7	78.1	115.2	113.2
80°	187.4	80.0	15.6	15.6	21.5	44.9	85.9	105.4	85.9	126.9	126.9
82.5°	140.6	72.2	13.7	15.6	29.3	50.8	99.6	117.1	95.7	136.7	134.7
85°	130.8	68.3	15.6	17.6	33.2	64.4	117.1	126.9	99.6	140.6	140.6
87.5°	132.7	66.4	15.6	17.6	44.9	82.0	132.7	136.7	109.3	148.4	148.4
90°	136.7	68.3	17.6	19.5	50.8	89.8	148.4	146.4	123.0	156.2	156.2
92.5°	146.4	68.3	19.5	21.5	54.7	99.6	162.0	150.3	132.7	162.0	158.1
95°	152.3	68.3	21.5	23.4	64.4	109.3	171.8	146.4	140.6	150.3	146.4
97.5°	113.2	50.8	25.4	27.3	66.4	123.0	158.1	124.9	91.8	89.8	91.8
100°	37.1	17.6	27.3	29.3	42.9	85.9	117.1	89.8	48.8	37.1	37.1
102.5°	9.8	9.8	25.4	27.3	23.4	37.1	68.3	58.6	33.2	2.0	3.9
105°	9.8	7.8	15.6	21.5	13.7	9.8	27.3	33.2	25.4	2.0	2.0
107.5°	9.8	7.8	7.8	11.7	3.9	3.9	7.8	7.8	7.8	2.0	2.0
110°	9.8	7.8	3.9	3.9	3.9	3.9	3.9	2.0	2.0	3.9	3.9

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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)