

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: P560535

Luminaire Tested: **SDL-PA1-50-730-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560535
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-PA1-50-730-U-T2R-HSS-A
Description: Springdale
(1) 70 CRI, 3000K, 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: 4454.6 lumens
Efficiency: N/A
Efficacy: 85.0 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



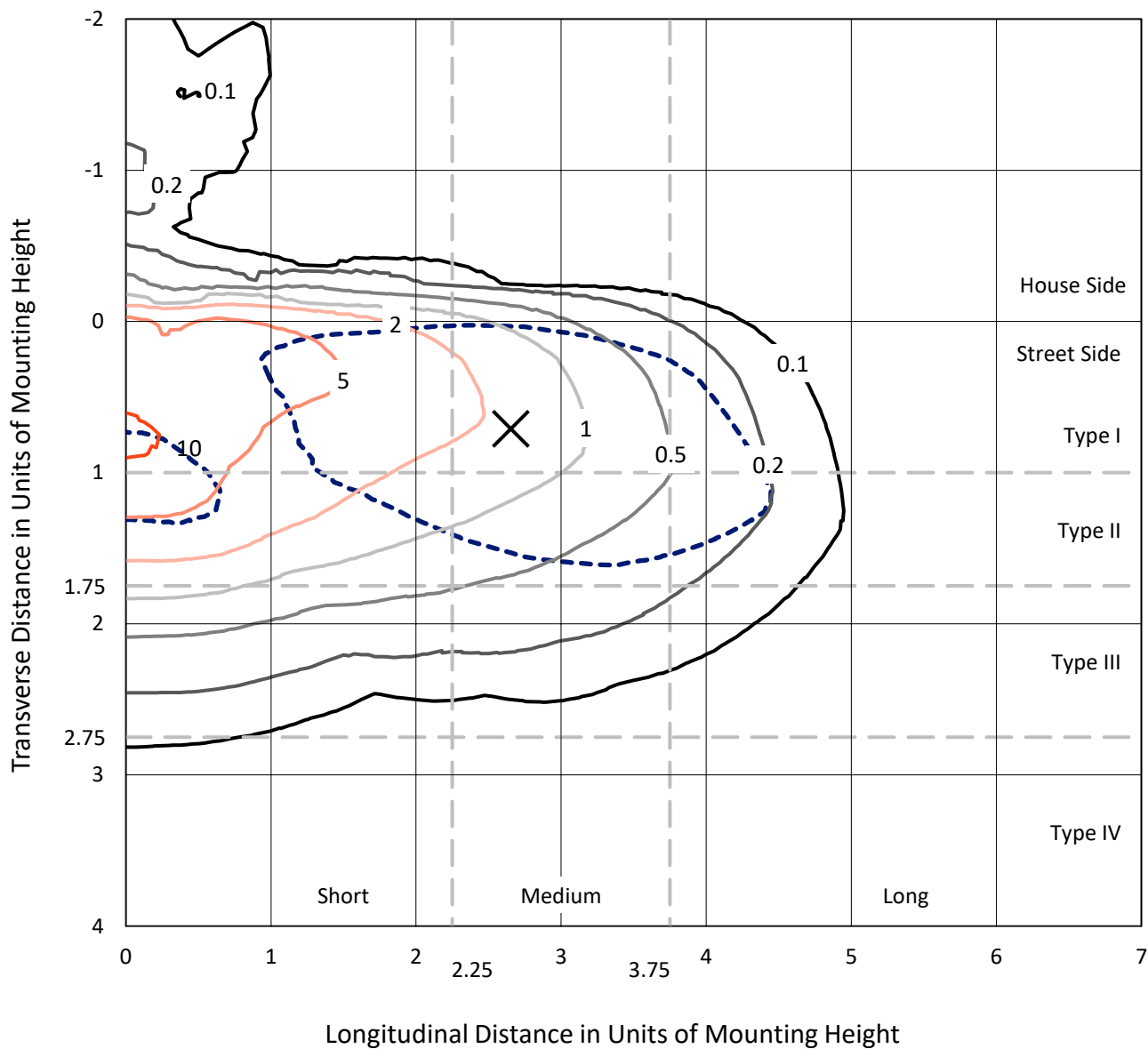
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



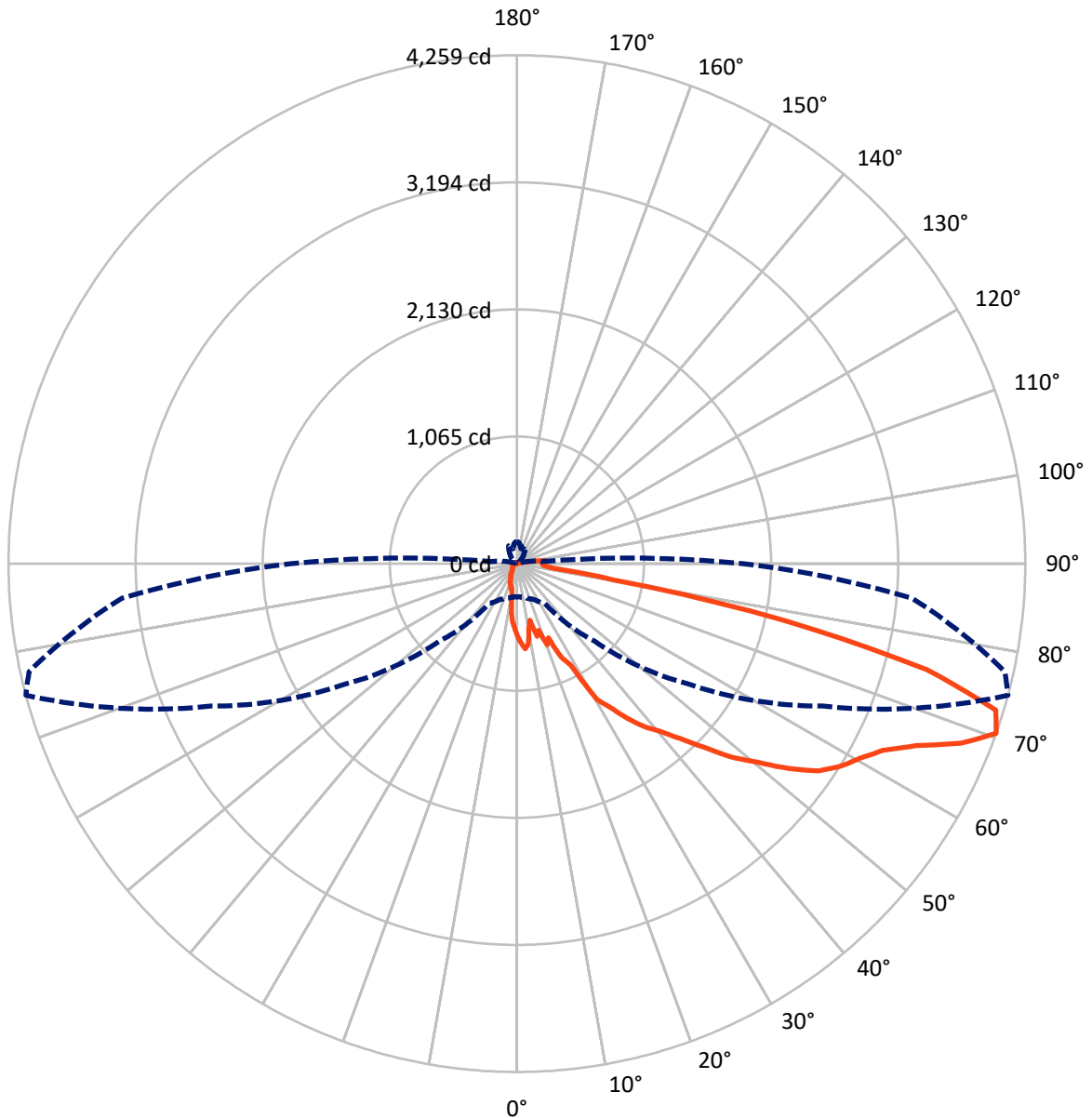
Based on 10 foot mounting height. Maximum calculated value = 11.1 fc

Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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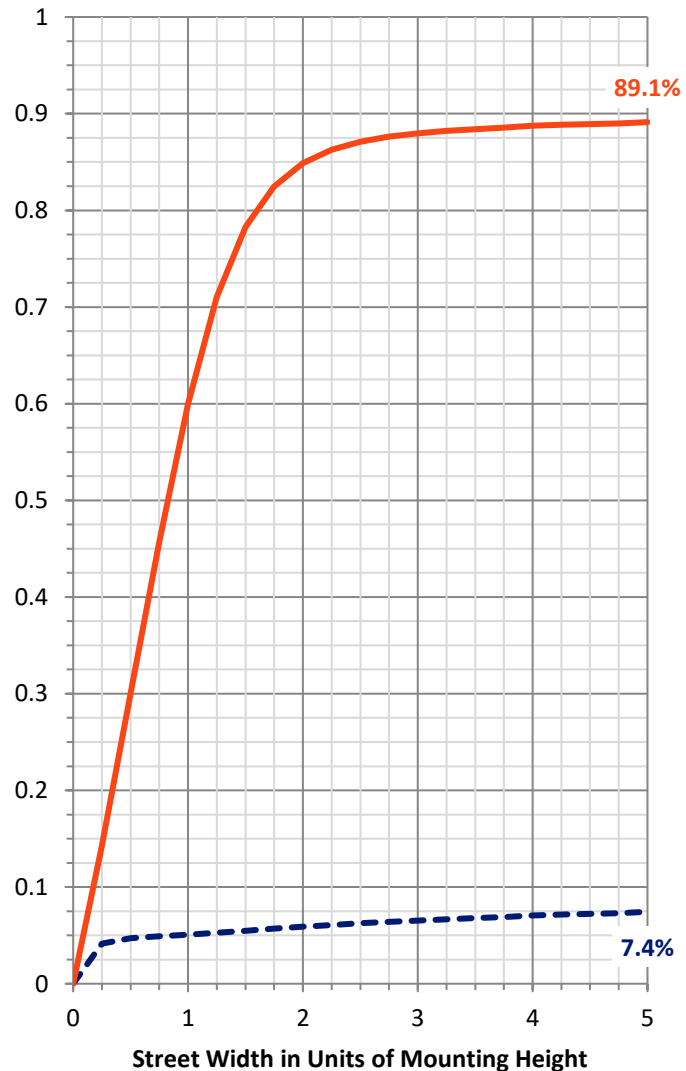
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	363.0	45.1	408.1
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	3989.7	56.7	4046.5
	% Fixture	89.6	1.3	90.8
Total	Lumens	4352.7	101.9	4454.6
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.1	1.1
10°-20°	117.5	2.6
20°-30°	220.4	4.9
30°-40°	494.7	11.1
40°-50°	814.2	18.3
50°-60°	998.0	22.4
60°-70°	934.7	21.0
70°-80°	608.7	13.7
80°-90°	116.3	2.6
90°-100°	66.7	1.5
100°-110°	15.0	0.3
110°-120°	7.6	0.2
120°-130°	6.4	0.1
130°-140°	3.1	0.1
140°-150°	1.6	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4352.7	97.7
0°-180°	4454.6	100.0



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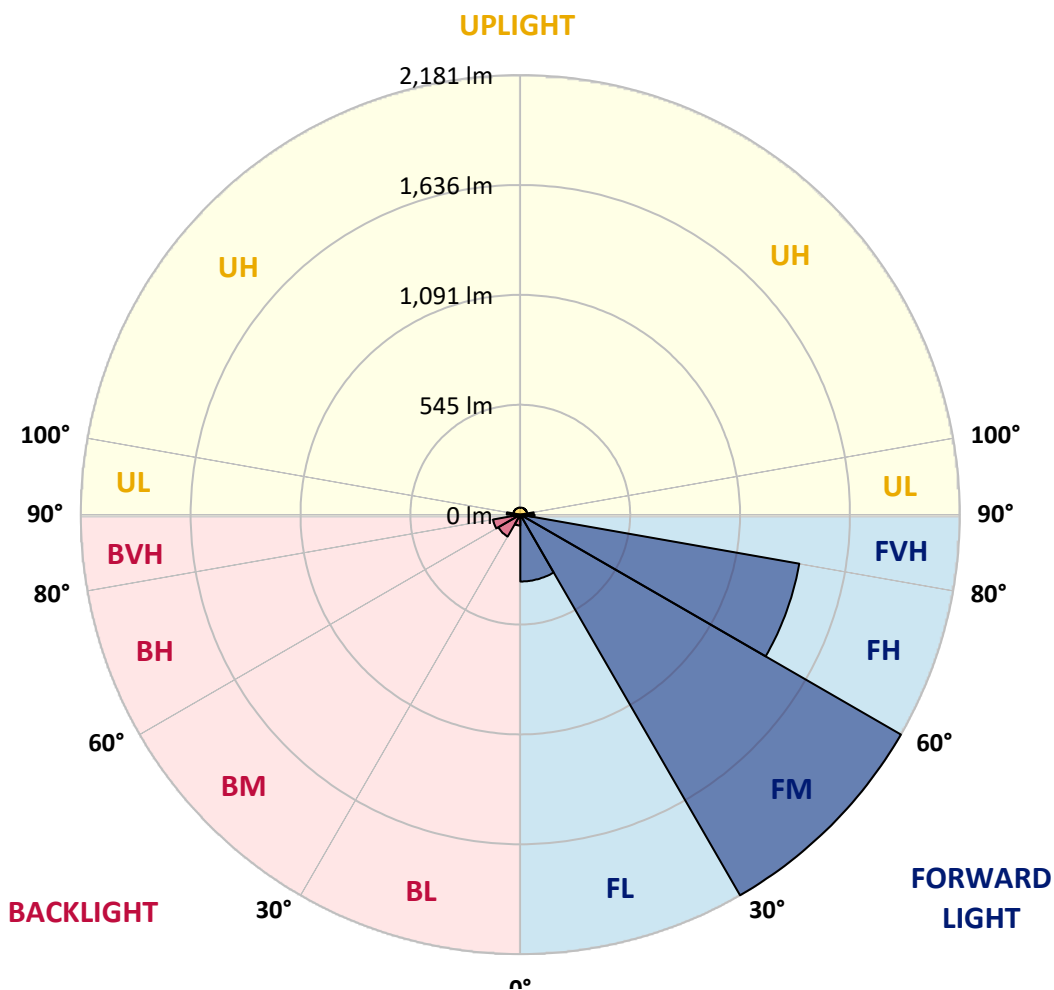
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	331.8	7.4			
FM	(30°-60°)	2181.5	49.0			
FH	(60°-80°)	1406.0	31.6			G1/1800
FVH	(80°-90°)	70.4	1.6			G1/100
BL	(0°-30°)	54.2	1.2	B0/110		
BM	(30°-60°)	125.4	2.8	B0/220		
BH	(60°-80°)	137.4	3.1	B1/500		G1/500
BVH	(80°-90°)	45.9	1.0			G1/100
UL	(90°-100°)	66.7	1.5		U3/500	
UH	(100°-180°)	35.1	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°	606.0	606.0	606.0	606.0	606.0	606.0	606.0	606.0	606.0	606.0	606.0
2.5°	676.2	718.7	731.5	752.7	763.4	750.6	727.2	697.4	665.6	657.0	629.4
5°	767.6	759.1	752.7	752.7	740.0	712.3	686.8	765.5	716.6	706.0	650.7
7.5°	697.4	763.4	812.3	816.5	810.1	788.9	752.7	671.9	682.6	669.8	601.8
10°	844.2	846.3	837.8	844.2	784.6	754.9	637.9	589.0	550.7	601.8	540.1
12.5°	699.6	803.8	863.3	884.6	810.1	712.3	652.8	627.3	486.9	474.2	489.1
15°	854.8	859.1	865.4	844.2	657.0	746.4	606.0	559.2	631.5	614.5	603.9
17.5°	676.2	684.7	829.3	820.8	761.2	591.1	720.8	642.2	586.9	565.6	550.7
20°	861.2	863.3	861.2	652.8	710.2	795.3	678.3	657.0	727.2	718.7	680.4
22.5°	723.0	723.0	771.9	837.8	746.4	797.4	691.1	818.7	676.2	671.9	506.1
25°	999.4	999.4	965.4	740.0	846.3	750.6	820.8	735.7	873.9	844.2	759.1
27.5°	971.8	942.0	888.8	933.5	818.7	939.9	795.3	897.3	963.2	990.9	946.2
30°	1350.2	1350.2	1292.8	999.4	959.0	908.0	918.6	1073.8	1320.5	1324.7	1144.0
32.5°	1828.7	1794.7	1490.6	1288.6	1048.3	1139.7	1037.7	1263.1	1435.3	1428.9	1216.3
35°	2024.3	2013.7	1920.1	1582.0	1214.2	1248.2	1169.5	1335.4	1590.5	1548.0	1303.5
37.5°	2224.2	2207.2	2111.5	1747.9	1388.5	1433.2	1267.3	1441.7	1733.0	1671.3	1399.2
40°	2347.5	2349.6	2281.6	1879.7	1526.7	1550.1	1384.3	1571.4	1847.8	1860.6	1482.1
42.5°	2477.2	2475.1	2419.8	2034.9	1641.6	1671.3	1477.8	1694.7	2003.0	2017.9	1622.4
45°	2547.4	2543.1	2511.2	2141.3	1733.0	1754.3	1622.4	1845.7	2192.3	2188.0	1737.2
47.5°	2564.4	2570.8	2568.7	2245.4	1828.7	1837.2	1752.1	1956.3	2421.9	2375.2	1888.2
50°	2468.7	2473.0	2502.7	2328.4	1898.9	1907.4	1854.2	2081.7	2615.4	2560.2	2024.3
52.5°	2202.9	2228.4	2353.9	2277.3	1928.6	1960.5	1949.9	2177.4	2851.5	2783.4	2192.3
55°	1637.3	1696.8	1983.9	2086.0	1913.7	1962.6	2034.9	2351.8	3066.2	2983.3	2328.4
57.5°	1305.6	1316.2	1486.3	1767.0	1792.5	1952.0	2124.2	2458.1	3200.2	3117.3	2426.2
60°	1031.3	1048.3	1158.9	1384.3	1565.0	1888.2	2149.8	2566.5	3306.5	3236.3	2534.6
62.5°	799.5	797.4	882.4	1033.4	1260.9	1754.3	2115.7	2632.4	3442.6	3389.4	2728.1
65°	557.1	557.1	629.4	750.6	954.7	1514.0	2047.7	2726.0	3674.4	3659.5	2968.4
67.5°	380.6	389.1	438.0	497.6	654.9	1231.2	1945.6	2821.7	4012.5	3942.3	3200.2
70°	278.6	278.6	297.7	329.6	408.3	918.6	1762.8	2823.8	4259.1	4186.8	3321.4
72.5°	206.3	206.3	221.1	236.0	257.3	610.3	1445.9	2645.2	4195.3	4080.5	3074.7
75°	108.4	108.4	168.0	174.4	172.2	395.5	1067.4	2173.2	3546.8	3355.4	2407.1
77.5°	85.1	87.2	95.7	136.1	125.5	259.4	595.4	1337.5	2292.2	2058.3	1303.5
80°	61.7	59.5	74.4	87.2	74.4	151.0	280.7	586.9	812.3	703.8	429.5
82.5°	36.1	38.3	44.7	63.8	63.8	106.3	182.9	257.3	291.3	289.2	257.3
85°	4.3	6.4	23.4	42.5	38.3	61.7	153.1	178.6	229.6	233.9	229.6
87.5°	4.3	4.3	6.4	8.5	10.6	40.4	129.7	155.2	212.6	227.5	229.6
90°	8.5	6.4	4.3	4.3	6.4	31.9	121.2	159.5	225.4	229.6	240.3
92.5°	10.6	8.5	4.3	2.1	6.4	25.5	114.8	159.5	233.9	248.8	259.4
95°	14.9	12.8	4.3	2.1	6.4	21.3	97.8	151.0	244.5	270.0	280.7
97.5°	19.1	17.0	4.3	4.3	6.4	17.0	76.5	119.1	161.6	182.9	197.8
100°	21.3	21.3	4.3	4.3	6.4	10.6	38.3	65.9	51.0	48.9	55.3
102.5°	23.4	23.4	4.3	4.3	4.3	6.4	12.8	27.6	10.6	10.6	17.0
105°	23.4	23.4	4.3	4.3	4.3	4.3	4.3	10.6	8.5	10.6	19.1
107.5°	21.3	23.4	4.3	6.4	6.4	4.3	4.3	4.3	8.5	12.8	19.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	14.9	10.6	2.1	6.4	4.3	4.3	2.1	4.3	10.6	14.9	21.3
115°	6.4	4.3	2.1	4.3	4.3	4.3	2.1	4.3	10.6	17.0	21.3
117.5°	4.3	2.1	2.1	2.1	2.1	4.3	2.1	6.4	14.9	19.1	25.5
120°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	6.4	19.1	21.3	29.8
122.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	19.1	21.3	29.8
125°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	14.9	19.1	25.5
127.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	10.6	14.9	21.3
130°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	10.6	12.8	17.0
132.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	6.4	8.5	12.8
135°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	4.3	8.5
137.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
140°	2.1	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
142.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
145°	2.1	2.1	2.1	2.1	4.3	2.1	2.1	2.1	2.1	2.1	2.1
147.5°	2.1	2.1	2.1	4.3	4.3	4.3	2.1	2.1	2.1	2.1	2.1
150°	4.3	6.4	10.6	8.5	4.3	2.1	4.3	2.1	2.1	2.1	2.1
152.5°	10.6	10.6	8.5	8.5	2.1	2.1	4.3	4.3	2.1	2.1	2.1
155°	8.5	8.5	6.4	2.1	2.1	2.1	2.1	4.3	6.4	8.5	6.4
157.5°	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1
160°	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1
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°	606.0	606.0	606.0	606.0	606.0	606.0	606.0	606.0	606.0	606.0	606.0
2.5°	608.1	586.9	540.1	504.0	465.7	444.4	404.0	370.0	344.5	340.2	340.2
5°	608.1	565.6	482.7	393.4	310.5	267.9	244.5	229.6	219.0	214.8	212.6
7.5°	544.4	489.1	378.5	274.3	238.2	199.9	172.2	151.0	131.8	125.5	119.1
10°	476.3	408.3	257.3	189.2	151.0	125.5	112.7	106.3	99.9	97.8	97.8
12.5°	423.1	353.0	206.3	155.2	106.3	89.3	85.1	80.8	78.7	76.5	74.4
15°	516.7	423.1	214.8	106.3	74.4	63.8	59.5	61.7	65.9	65.9	65.9
17.5°	478.4	372.1	178.6	80.8	61.7	46.8	51.0	55.3	59.5	53.2	51.0
20°	572.0	438.0	174.4	63.8	51.0	46.8	44.7	38.3	48.9	48.9	48.9
22.5°	414.6	331.7	131.8	59.5	42.5	40.4	34.0	38.3	40.4	34.0	34.0
25°	614.5	431.7	129.7	46.8	42.5	31.9	34.0	27.6	34.0	34.0	34.0
27.5°	761.2	510.3	114.8	48.9	36.1	31.9	25.5	27.6	25.5	25.5	25.5
30°	905.8	574.1	104.2	48.9	34.0	25.5	23.4	21.3	25.5	25.5	25.5
32.5°	948.4	559.2	82.9	51.0	31.9	23.4	19.1	21.3	21.3	23.4	23.4
35°	997.3	546.5	70.2	44.7	29.8	21.3	17.0	19.1	21.3	23.4	23.4
37.5°	1044.0	525.2	63.8	40.4	25.5	19.1	14.9	17.0	44.7	48.9	48.9
40°	1103.6	499.7	59.5	36.1	21.3	14.9	12.8	34.0	40.4	46.8	46.8
42.5°	1188.6	484.8	55.3	34.0	19.1	12.8	12.8	29.8	57.4	63.8	63.8
45°	1258.8	459.3	53.2	29.8	17.0	10.6	21.3	40.4	46.8	59.5	57.4
47.5°	1346.0	435.9	51.0	27.6	14.9	10.6	23.4	42.5	59.5	68.0	68.0
50°	1439.6	423.1	48.9	25.5	14.9	10.6	40.4	40.4	48.9	76.5	76.5
52.5°	1558.6	414.6	44.7	21.3	12.8	21.3	55.3	48.9	59.5	78.7	78.7
55°	1616.0	387.0	42.5	19.1	10.6	21.3	59.5	55.3	61.7	82.9	82.9
57.5°	1667.1	359.4	38.3	19.1	10.6	27.6	63.8	70.2	59.5	72.3	80.8
60°	1713.9	331.7	34.0	17.0	10.6	34.0	70.2	97.8	82.9	97.8	97.8
62.5°	1822.3	310.5	29.8	19.1	8.5	38.3	91.4	119.1	93.6	119.1	117.0
65°	1924.4	284.9	27.6	17.0	10.6	44.7	99.9	138.2	102.1	138.2	138.2
67.5°	1964.8	253.0	25.5	17.0	10.6	51.0	99.9	153.1	121.2	155.2	157.4
70°	1894.6	208.4	23.4	19.1	12.8	57.4	104.2	163.7	129.7	180.7	180.7
72.5°	1609.7	142.5	23.4	21.3	25.5	63.8	123.3	170.1	136.1	216.9	219.0
75°	1201.4	80.8	25.5	23.4	27.6	72.3	136.1	176.5	142.5	219.0	219.0
77.5°	684.7	55.3	25.5	27.6	34.0	72.3	142.5	182.9	140.3	214.8	210.5
80°	238.2	40.4	25.5	31.9	42.5	72.3	144.6	180.7	136.1	199.9	199.9
82.5°	161.6	34.0	25.5	31.9	51.0	76.5	142.5	170.1	121.2	168.0	161.6
85°	151.0	27.6	27.6	34.0	55.3	76.5	129.7	146.7	102.1	125.5	123.3
87.5°	148.8	25.5	31.9	36.1	59.5	70.2	110.6	121.2	82.9	102.1	99.9
90°	155.2	25.5	34.0	38.3	55.3	57.4	89.3	102.1	68.0	80.8	78.7
92.5°	165.9	25.5	36.1	42.5	48.9	42.5	72.3	80.8	57.4	61.7	59.5
95°	176.5	25.5	40.4	44.7	40.4	31.9	55.3	65.9	46.8	44.7	44.7
97.5°	117.0	19.1	42.5	44.7	34.0	23.4	42.5	51.0	27.6	23.4	23.4
100°	38.3	14.9	44.7	46.8	31.9	17.0	36.1	38.3	21.3	10.6	10.6
102.5°	17.0	14.9	40.4	40.4	27.6	12.8	25.5	27.6	14.9	4.3	4.3
105°	14.9	8.5	23.4	29.8	19.1	6.4	12.8	14.9	8.5	4.3	4.3
107.5°	17.0	8.5	12.8	17.0	8.5	6.4	6.4	6.4	4.3	4.3	4.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.1	8.5	6.4	8.5	6.4	6.4	4.3	4.3	8.5	14.9	14.9
115°	19.1	8.5	6.4	8.5	6.4	6.4	4.3	2.1	8.5	21.3	23.4
117.5°	21.3	10.6	4.3	6.4	4.3	4.3	4.3	2.1	10.6	27.6	27.6
120°	25.5	10.6	4.3	4.3	4.3	2.1	4.3	4.3	10.6	29.8	29.8
122.5°	25.5	12.8	4.3	4.3	4.3	2.1	2.1	4.3	12.8	27.6	29.8
125°	21.3	10.6	4.3	4.3	4.3	2.1	2.1	4.3	12.8	25.5	29.8
127.5°	17.0	10.6	4.3	4.3	4.3	2.1	2.1	4.3	12.8	21.3	23.4
130°	14.9	8.5	4.3	4.3	4.3	2.1	2.1	4.3	10.6	17.0	19.1
132.5°	10.6	6.4	4.3	4.3	4.3	2.1	2.1	2.1	10.6	17.0	17.0
135°	8.5	6.4	4.3	4.3	4.3	2.1	2.1	2.1	8.5	12.8	12.8
137.5°	4.3	2.1	4.3	4.3	4.3	2.1	2.1	2.1	6.4	6.4	6.4
140°	2.1	2.1	2.1	4.3	2.1	2.1	2.1	2.1	2.1	4.3	2.1
142.5°	2.1	2.1	2.1	4.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1
145°	2.1	2.1	2.1	4.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1
147.5°	2.1	2.1	2.1	4.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1
150°	2.1	2.1	2.1	4.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1
152.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	2.1	2.1	2.1	2.1
155°	4.3	4.3	2.1	4.3	2.1	2.1	0.0	2.1	2.1	2.1	2.1
157.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	2.1	2.1	2.1	2.1
160°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	2.1	2.1	2.1	2.1
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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110°	19.1	19.1	4.3	6.4	6.4	4.3	2.1	4.3	8.5	12.8	21.3
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110°	17.0	8.5	6.4	10.6	8.5	6.4	4.3	4.3	4.3	6.4	6.4
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(END OF REPORT)