

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: P560557

Luminaire Tested: **SDL-PA1-50-740-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560557
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-PA1-50-740-U-T2R-HSS-A
Description: Springdale
(1) 70 CRI, 4000K, 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: 4891.2 lumens
Efficiency: N/A
Efficacy: 93.3 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



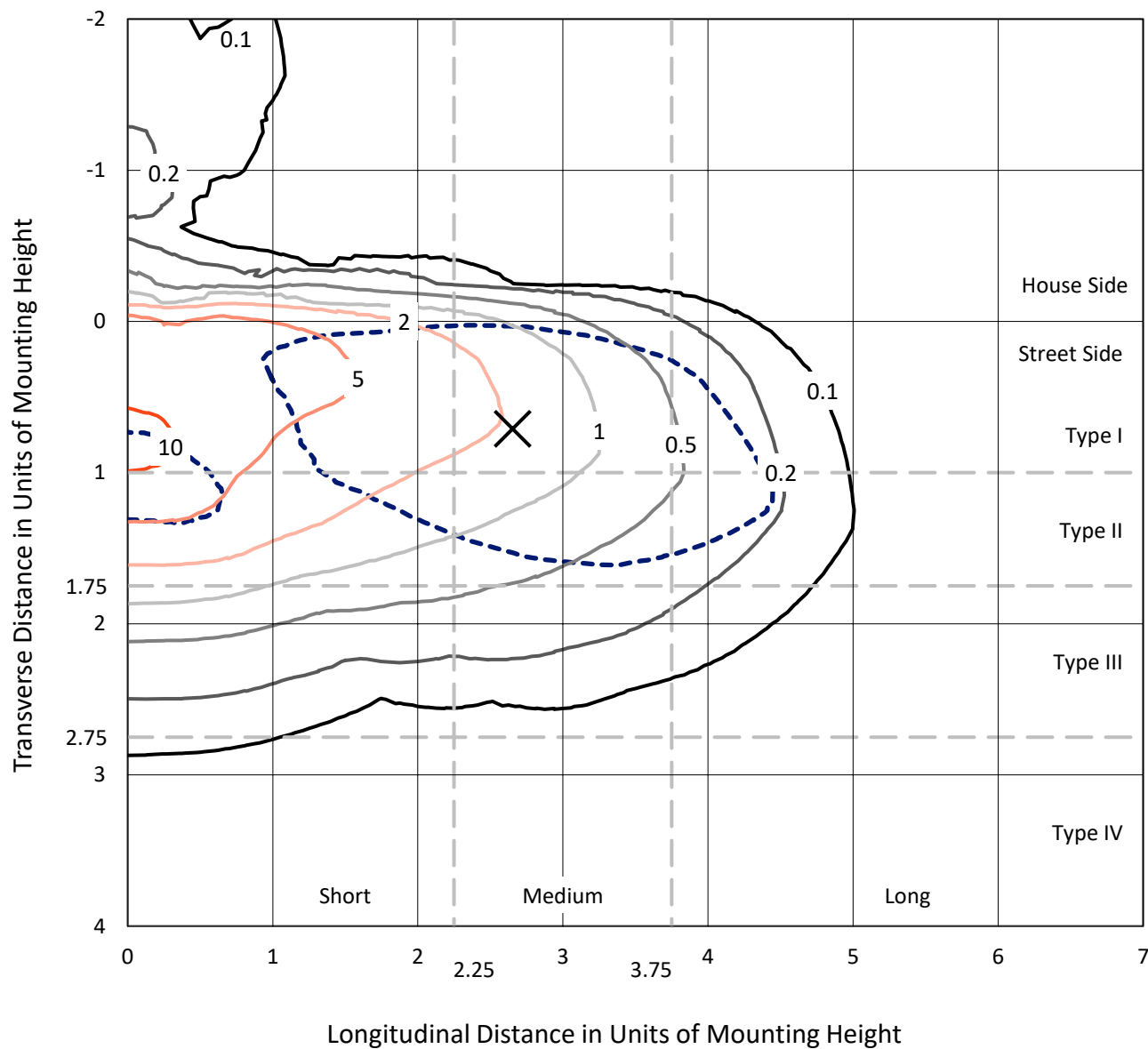
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



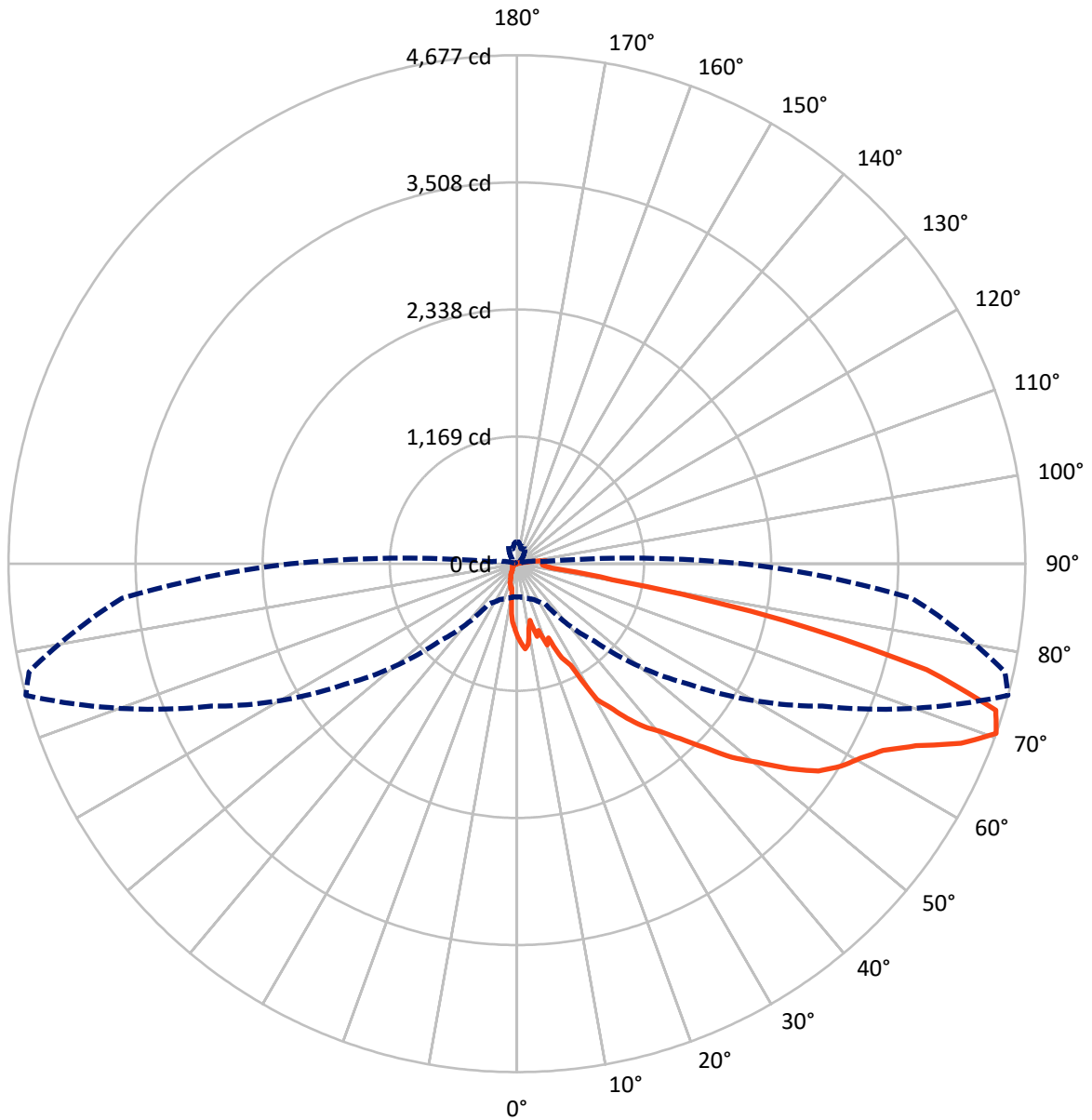
Based on 10 foot mounting height. Maximum calculated value = 12.2 fc

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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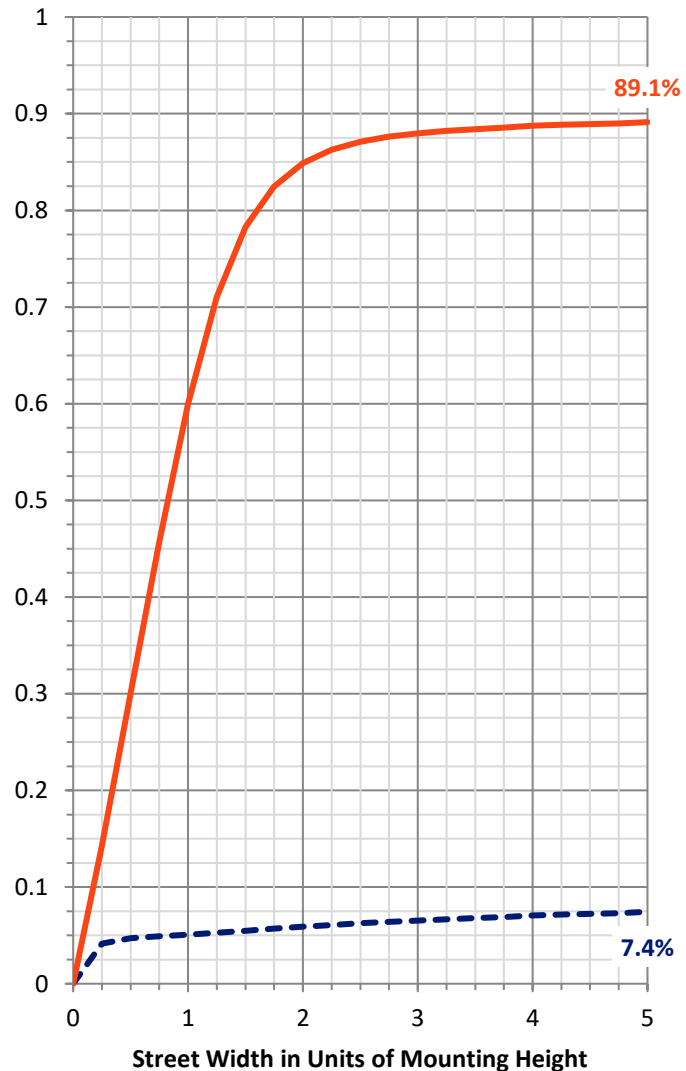
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	398.6	49.5	448.1
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	4380.9	62.3	4443.2
	% Fixture	89.6	1.3	90.8
Total	Lumens	4779.5	111.8	4891.2
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.8	1.1
10°-20°	129.0	2.6
20°-30°	242.1	4.9
30°-40°	543.2	11.1
40°-50°	894.0	18.3
50°-60°	1095.9	22.4
60°-70°	1026.4	21.0
70°-80°	668.4	13.7
80°-90°	127.7	2.6
90°-100°	73.3	1.5
100°-110°	16.5	0.3
110°-120°	8.4	0.2
120°-130°	7.0	0.1
130°-140°	3.4	0.1
140°-150°	1.7	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4779.5	97.7
0°-180°	4891.2	100.0



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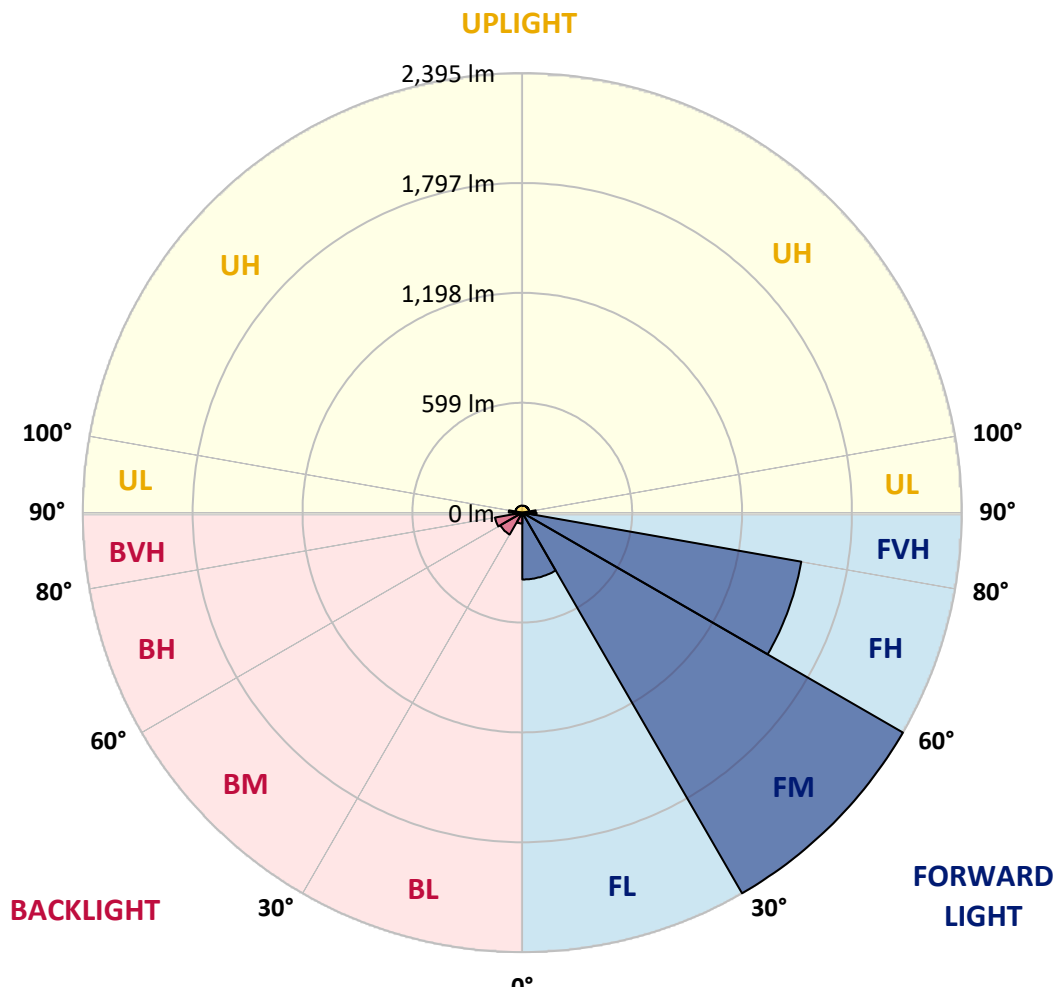
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	364.4	7.4			
FM	(30°-60°)	2395.4	49.0			
FH	(60°-80°)	1543.9	31.6			G1/1800
FVH	(80°-90°)	77.3	1.6			G1/100
BL	(0°-30°)	59.5	1.2	B0/110		
BM	(30°-60°)	137.7	2.8	B0/220		
BH	(60°-80°)	150.9	3.1	B1/500		G1/500
BVH	(80°-90°)	50.4	1.0			G1/100
UL	(90°-100°)	73.3	1.5		U3/500	
UH	(100°-180°)	38.5	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°	665.4	665.4	665.4	665.4	665.4	665.4	665.4	665.4	665.4	665.4	665.4
2.5°	742.5	789.2	803.2	826.5	838.2	824.2	798.5	765.8	730.8	721.5	691.1
5°	842.9	833.5	826.5	826.5	812.5	782.2	754.2	840.5	786.8	775.2	714.5
7.5°	765.8	838.2	891.9	896.6	889.6	866.2	826.5	737.8	749.5	735.5	660.8
10°	926.9	929.3	919.9	926.9	861.6	828.9	700.5	646.8	604.7	660.8	593.0
12.5°	768.2	882.6	947.9	971.3	889.6	782.2	716.8	688.8	534.7	520.7	537.0
15°	938.6	943.3	950.3	926.9	721.5	819.5	665.4	614.1	693.4	674.8	663.1
17.5°	742.5	751.8	910.6	901.2	835.9	649.1	791.5	705.1	644.4	621.1	604.7
20°	945.6	947.9	945.6	716.8	779.8	873.2	744.8	721.5	798.5	789.2	747.1
22.5°	793.8	793.8	847.5	919.9	819.5	875.6	758.8	898.9	742.5	737.8	555.7
25°	1097.4	1097.4	1060.0	812.5	929.3	824.2	901.2	807.9	959.6	926.9	833.5
27.5°	1067.0	1034.3	976.0	1025.0	898.9	1032.0	873.2	985.3	1057.7	1088.0	1039.0
30°	1482.6	1482.6	1419.6	1097.4	1053.0	997.0	1008.7	1179.1	1449.9	1454.6	1256.1
32.5°	2008.0	1970.6	1636.7	1414.9	1151.1	1251.5	1139.4	1386.9	1576.0	1569.0	1335.5
35°	2222.8	2211.1	2108.4	1737.1	1333.2	1370.6	1284.2	1466.3	1746.5	1699.8	1431.3
37.5°	2442.2	2423.6	2318.5	1919.2	1524.7	1573.7	1391.6	1583.0	1902.9	1835.2	1536.3
40°	2577.7	2580.0	2505.3	2064.0	1676.4	1702.1	1520.0	1725.4	2029.0	2043.0	1627.4
42.5°	2720.1	2717.8	2657.0	2234.4	1802.5	1835.2	1622.7	1860.9	2199.4	2215.8	1781.5
45°	2797.1	2792.5	2757.4	2351.2	1902.9	1926.2	1781.5	2026.6	2407.2	2402.6	1907.6
47.5°	2815.8	2822.8	2820.5	2465.6	2008.0	2017.3	1923.9	2148.1	2659.4	2608.0	2073.3
50°	2710.7	2715.4	2748.1	2556.6	2085.0	2094.4	2036.0	2285.8	2871.9	2811.1	2222.8
52.5°	2418.9	2446.9	2584.7	2500.6	2117.7	2152.7	2141.0	2390.9	3131.0	3056.3	2407.2
55°	1797.8	1863.2	2178.4	2290.5	2101.4	2155.1	2234.4	2582.3	3366.8	3275.8	2556.6
57.5°	1433.6	1445.3	1632.1	1940.3	1968.3	2143.4	2332.5	2699.1	3513.9	3422.9	2664.1
60°	1132.4	1151.1	1272.5	1520.0	1718.4	2073.3	2360.5	2818.2	3630.7	3553.6	2783.1
62.5°	877.9	875.6	969.0	1134.7	1384.6	1926.2	2323.2	2890.5	3780.1	3721.7	2995.6
65°	611.7	611.7	691.1	824.2	1048.3	1662.4	2248.5	2993.3	4034.6	4018.3	3259.4
67.5°	417.9	427.3	481.0	546.4	719.1	1351.9	2136.4	3098.3	4405.8	4328.8	3513.9
70°	305.9	305.9	326.9	361.9	448.3	1008.7	1935.6	3100.7	4676.7	4597.3	3647.0
72.5°	226.5	226.5	242.8	259.2	282.5	670.1	1587.7	2904.5	4606.6	4480.6	3376.2
75°	119.1	119.1	184.5	191.5	189.1	434.3	1172.1	2386.2	3894.5	3684.4	2643.0
77.5°	93.4	95.7	105.1	149.4	137.8	284.9	653.8	1468.6	2517.0	2260.1	1431.3
80°	67.7	65.4	81.7	95.7	81.7	165.8	308.2	644.4	891.9	772.8	471.6
82.5°	39.7	42.0	49.0	70.0	70.0	116.7	200.8	282.5	319.9	317.5	282.5
85°	4.7	7.0	25.7	46.7	42.0	67.7	168.1	196.1	252.2	256.8	252.2
87.5°	4.7	4.7	7.0	9.3	11.7	44.4	142.4	170.4	233.5	249.8	252.2
90°	9.3	7.0	4.7	4.7	7.0	35.0	133.1	175.1	247.5	252.2	263.8
92.5°	11.7	9.3	4.7	2.3	7.0	28.0	126.1	175.1	256.8	273.2	284.9
95°	16.3	14.0	4.7	2.3	7.0	23.3	107.4	165.8	268.5	296.5	308.2
97.5°	21.0	18.7	4.7	4.7	7.0	18.7	84.1	130.8	177.4	200.8	217.1
100°	23.3	23.3	4.7	4.7	7.0	11.7	42.0	72.4	56.0	53.7	60.7
102.5°	25.7	25.7	4.7	4.7	4.7	7.0	14.0	30.4	11.7	11.7	18.7
105°	25.7	25.7	4.7	4.7	4.7	4.7	4.7	11.7	9.3	11.7	21.0
107.5°	23.3	25.7	4.7	7.0	7.0	4.7	4.7	4.7	9.3	14.0	21.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	16.3	11.7	2.3	7.0	4.7	4.7	2.3	4.7	11.7	16.3	23.3
115°	7.0	4.7	2.3	4.7	4.7	4.7	2.3	4.7	11.7	18.7	23.3
117.5°	4.7	2.3	2.3	2.3	2.3	4.7	2.3	7.0	16.3	21.0	28.0
120°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	7.0	21.0	23.3	32.7
122.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	21.0	23.3	32.7
125°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	16.3	21.0	28.0
127.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	11.7	16.3	23.3
130°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	11.7	14.0	18.7
132.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	7.0	9.3	14.0
135°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7	9.3
137.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
140°	2.3	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
142.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
145°	2.3	2.3	2.3	2.3	4.7	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	2.3	2.3	2.3	4.7	4.7	4.7	2.3	2.3	2.3	2.3	2.3
150°	4.7	7.0	11.7	9.3	4.7	2.3	4.7	2.3	2.3	2.3	2.3
152.5°	11.7	11.7	9.3	9.3	2.3	2.3	4.7	4.7	2.3	2.3	2.3
155°	9.3	9.3	7.0	2.3	2.3	2.3	2.3	4.7	7.0	9.3	7.0
157.5°	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
160°	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
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°	665.4	665.4	665.4	665.4	665.4	665.4	665.4	665.4	665.4	665.4	665.4
2.5°	667.8	644.4	593.0	553.4	511.3	488.0	443.6	406.3	378.2	373.6	373.6
5°	667.8	621.1	530.0	431.9	340.9	294.2	268.5	252.2	240.5	235.8	233.5
7.5°	597.7	537.0	415.6	301.2	261.5	219.5	189.1	165.8	144.8	137.8	130.8
10°	523.0	448.3	282.5	207.8	165.8	137.8	123.7	116.7	109.7	107.4	107.4
12.5°	464.6	387.6	226.5	170.4	116.7	98.1	93.4	88.7	86.4	84.1	81.7
15°	567.4	464.6	235.8	116.7	81.7	70.0	65.4	67.7	72.4	72.4	72.4
17.5°	525.3	408.6	196.1	88.7	67.7	51.4	56.0	60.7	65.4	58.4	56.0
20°	628.1	481.0	191.5	70.0	56.0	51.4	49.0	42.0	53.7	53.7	53.7
22.5°	455.3	364.2	144.8	65.4	46.7	44.4	37.4	42.0	44.4	37.4	37.4
25°	674.8	474.0	142.4	51.4	46.7	35.0	37.4	30.4	37.4	37.4	37.4
27.5°	835.9	560.4	126.1	53.7	39.7	35.0	28.0	30.4	28.0	28.0	28.0
30°	994.6	630.4	114.4	53.7	37.4	28.0	25.7	23.3	28.0	28.0	28.0
32.5°	1041.3	614.1	91.1	56.0	35.0	25.7	21.0	23.3	23.3	25.7	25.7
35°	1095.0	600.1	77.0	49.0	32.7	23.3	18.7	21.0	23.3	25.7	25.7
37.5°	1146.4	576.7	70.0	44.4	28.0	21.0	16.3	18.7	49.0	53.7	53.7
40°	1211.8	548.7	65.4	39.7	23.3	16.3	14.0	37.4	44.4	51.4	51.4
42.5°	1305.2	532.3	60.7	37.4	21.0	14.0	14.0	32.7	63.0	70.0	70.0
45°	1382.2	504.3	58.4	32.7	18.7	11.7	23.3	44.4	51.4	65.4	63.0
47.5°	1478.0	478.6	56.0	30.4	16.3	11.7	25.7	46.7	65.4	74.7	74.7
50°	1580.7	464.6	53.7	28.0	16.3	11.7	44.4	44.4	53.7	84.1	84.1
52.5°	1711.4	455.3	49.0	23.3	14.0	23.3	60.7	53.7	65.4	86.4	86.4
55°	1774.5	424.9	46.7	21.0	11.7	23.3	65.4	60.7	67.7	91.1	91.1
57.5°	1830.5	394.6	42.0	21.0	11.7	30.4	70.0	77.0	65.4	79.4	88.7
60°	1881.9	364.2	37.4	18.7	11.7	37.4	77.0	107.4	91.1	107.4	107.4
62.5°	2001.0	340.9	32.7	21.0	9.3	42.0	100.4	130.8	102.7	130.8	128.4
65°	2113.0	312.9	30.4	18.7	11.7	49.0	109.7	151.8	112.1	151.8	151.8
67.5°	2157.4	277.8	28.0	18.7	11.7	56.0	109.7	168.1	133.1	170.4	172.8
70°	2080.3	228.8	25.7	21.0	14.0	63.0	114.4	179.8	142.4	198.5	198.5
72.5°	1767.5	156.4	25.7	23.3	28.0	70.0	135.4	186.8	149.4	238.2	240.5
75°	1319.2	88.7	28.0	25.7	30.4	79.4	149.4	193.8	156.4	240.5	240.5
77.5°	751.8	60.7	28.0	30.4	37.4	79.4	156.4	200.8	154.1	235.8	231.1
80°	261.5	44.4	28.0	35.0	46.7	79.4	158.8	198.5	149.4	219.5	219.5
82.5°	177.4	37.4	28.0	35.0	56.0	84.1	156.4	186.8	133.1	184.5	177.4
85°	165.8	30.4	30.4	37.4	60.7	84.1	142.4	161.1	112.1	137.8	135.4
87.5°	163.4	28.0	35.0	39.7	65.4	77.0	121.4	133.1	91.1	112.1	109.7
90°	170.4	28.0	37.4	42.0	60.7	63.0	98.1	112.1	74.7	88.7	86.4
92.5°	182.1	28.0	39.7	46.7	53.7	46.7	79.4	88.7	63.0	67.7	65.4
95°	193.8	28.0	44.4	49.0	44.4	35.0	60.7	72.4	51.4	49.0	49.0
97.5°	128.4	21.0	46.7	49.0	37.4	25.7	46.7	56.0	30.4	25.7	25.7
100°	42.0	16.3	49.0	51.4	35.0	18.7	39.7	42.0	23.3	11.7	11.7
102.5°	18.7	16.3	44.4	44.4	30.4	14.0	28.0	30.4	16.3	4.7	4.7
105°	16.3	9.3	25.7	32.7	21.0	7.0	14.0	16.3	9.3	4.7	4.7
107.5°	18.7	9.3	14.0	18.7	9.3	7.0	7.0	7.0	4.7	4.7	4.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.0	9.3	7.0	9.3	7.0	7.0	4.7	4.7	9.3	16.3	16.3
115°	21.0	9.3	7.0	9.3	7.0	7.0	4.7	2.3	9.3	23.3	25.7
117.5°	23.3	11.7	4.7	7.0	4.7	4.7	4.7	2.3	11.7	30.4	30.4
120°	28.0	11.7	4.7	4.7	4.7	2.3	4.7	4.7	11.7	32.7	32.7
122.5°	28.0	14.0	4.7	4.7	4.7	2.3	2.3	4.7	14.0	30.4	32.7
125°	23.3	11.7	4.7	4.7	4.7	2.3	2.3	4.7	14.0	28.0	32.7
127.5°	18.7	11.7	4.7	4.7	4.7	2.3	2.3	4.7	14.0	23.3	25.7
130°	16.3	9.3	4.7	4.7	4.7	2.3	2.3	4.7	11.7	18.7	21.0
132.5°	11.7	7.0	4.7	4.7	4.7	2.3	2.3	2.3	11.7	18.7	18.7
135°	9.3	7.0	4.7	4.7	4.7	2.3	2.3	2.3	9.3	14.0	14.0
137.5°	4.7	2.3	4.7	4.7	4.7	2.3	2.3	2.3	7.0	7.0	7.0
140°	2.3	2.3	2.3	4.7	2.3	2.3	2.3	2.3	2.3	4.7	2.3
142.5°	2.3	2.3	2.3	4.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3
145°	2.3	2.3	2.3	4.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	2.3	2.3	2.3	4.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3
150°	2.3	2.3	2.3	4.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3
152.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3
155°	4.7	4.7	2.3	4.7	2.3	2.3	0.0	2.3	2.3	2.3	2.3
157.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3
160°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3
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°	21.0	21.0	4.7	7.0	7.0	4.7	2.3	4.7	9.3	14.0	23.3
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110°	18.7	9.3	7.0	11.7	9.3	7.0	4.7	4.7	4.7	7.0	7.0
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(END OF REPORT)