

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: P561075

Luminaire Tested: **SDL-PA1-80-730-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561075
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-PA1-80-730-U-T4W-HSS-A
Description: Springdale
(1) 70 CRI, 3000K, 1050mA 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: 5763.3 lumens
Efficiency: N/A
Efficacy: 70.3 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): 82
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

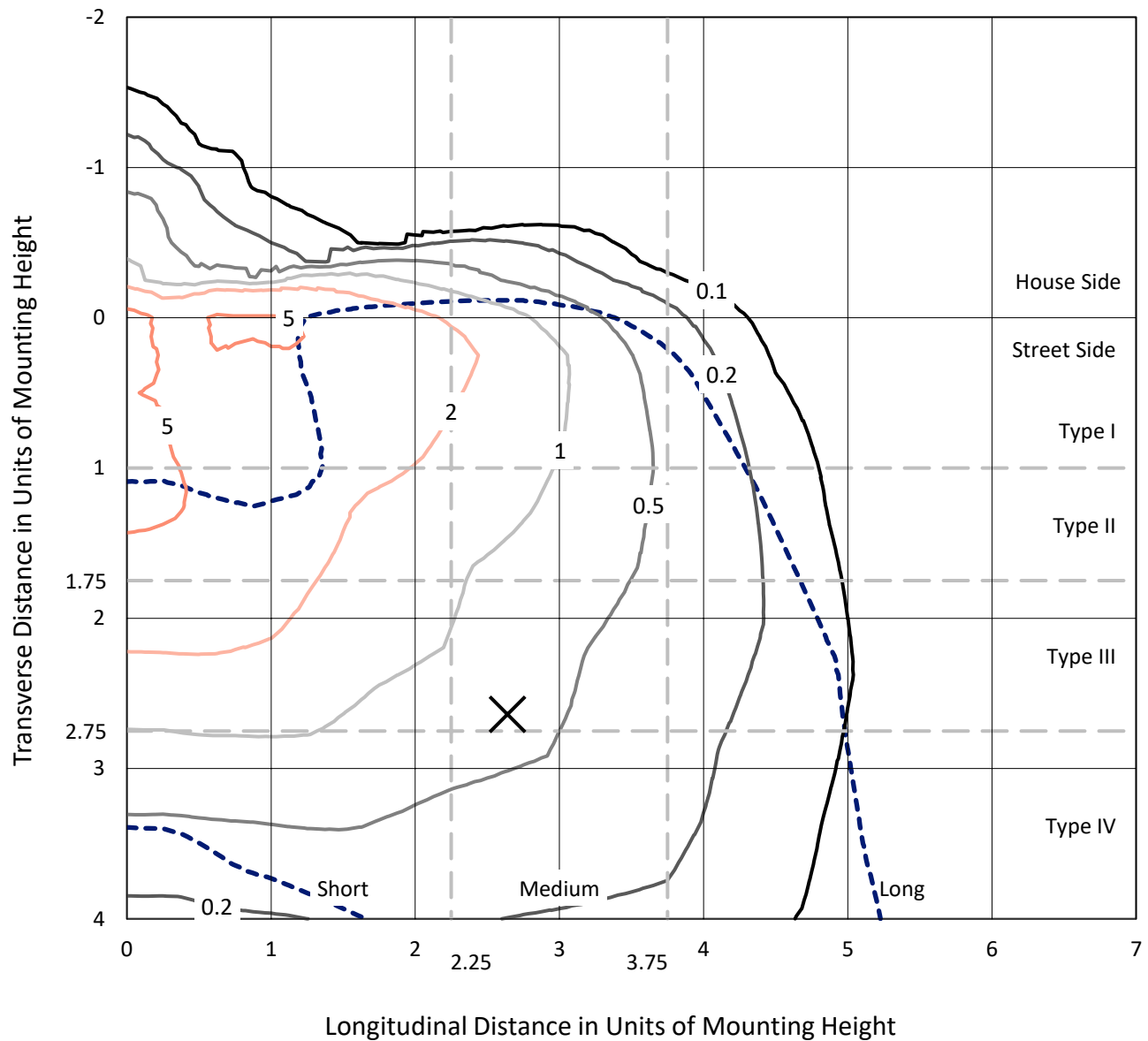


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

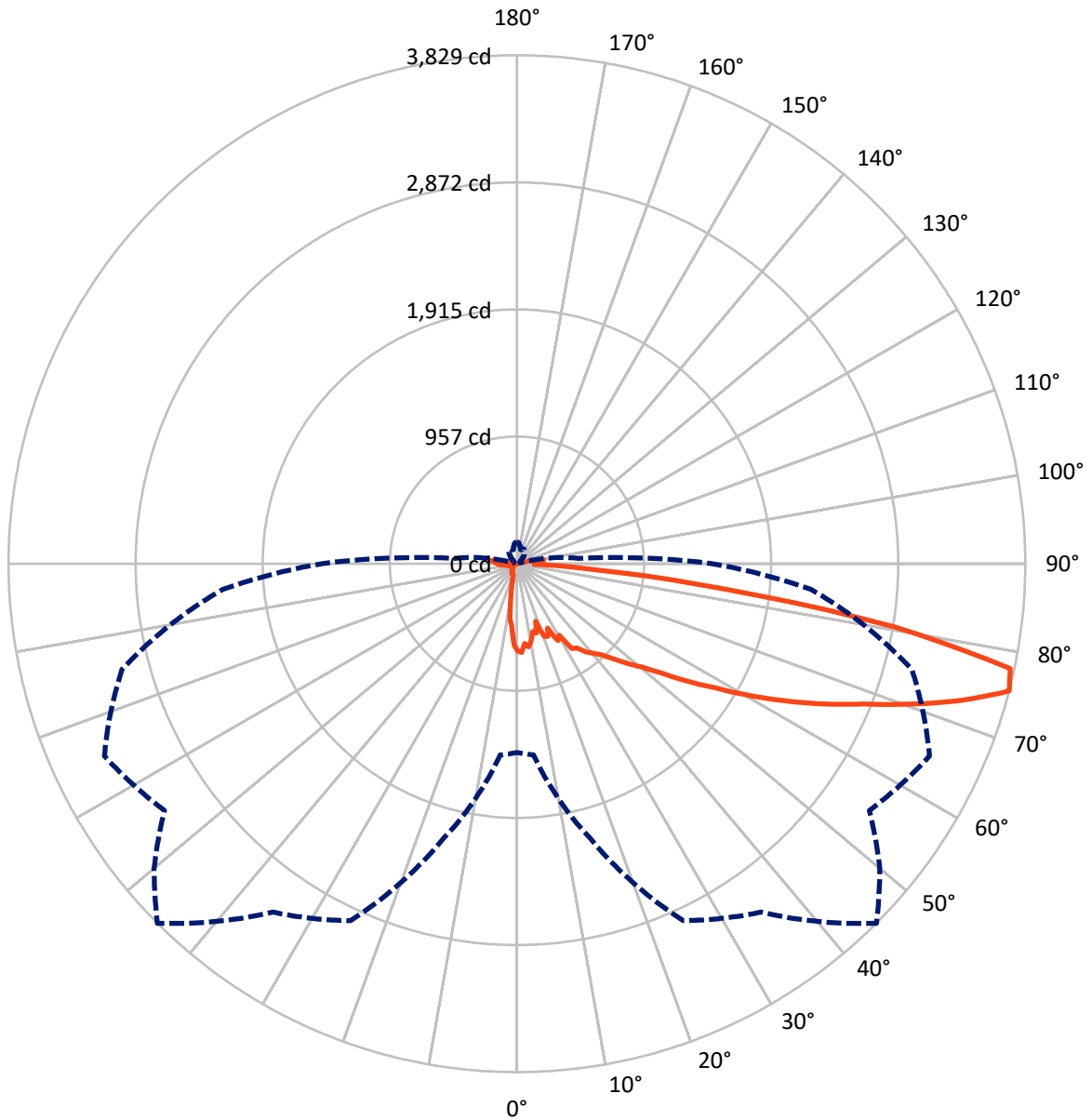


Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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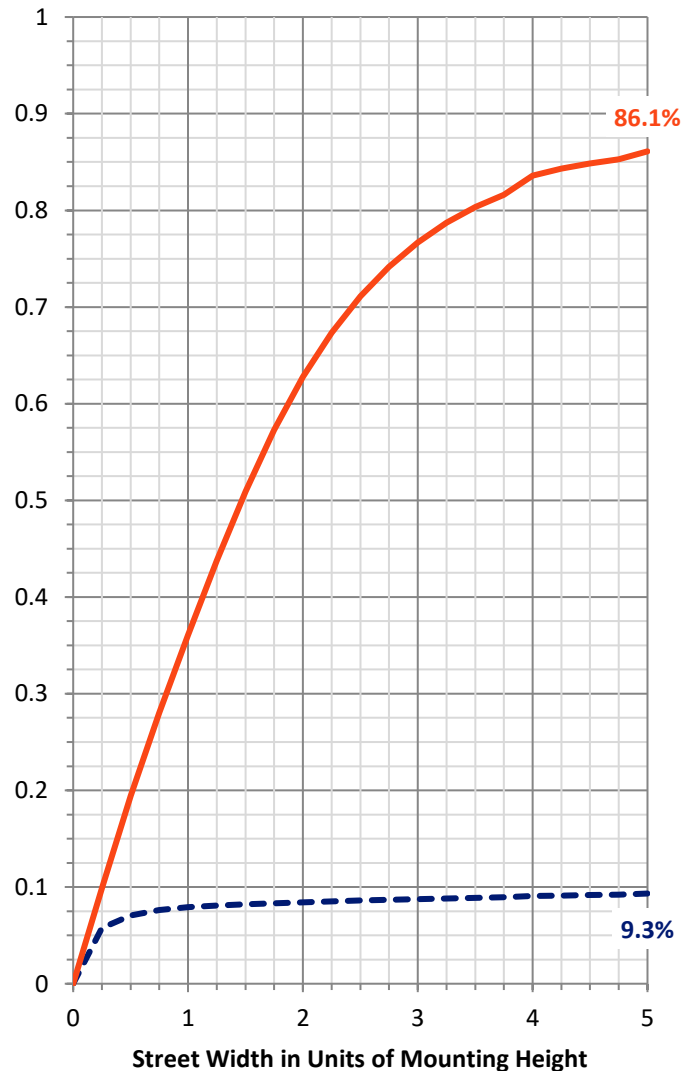
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	591.4	103.5	694.8
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	4988.4	80.0	5068.4
	% Fixture	86.6	1.4	87.9
Total	Lumens	5579.8	183.5	5763.3
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.0	0.9
10°-20°	110.3	1.9
20°-30°	185.0	3.2
30°-40°	343.0	6.0
40°-50°	578.1	10.0
50°-60°	1037.6	18.0
60°-70°	1558.0	27.0
70°-80°	1425.4	24.7
80°-90°	291.4	5.1
90°-100°	139.5	2.4
100°-110°	29.7	0.5
110°-120°	5.7	0.1
120°-130°	4.5	0.1
130°-140°	2.0	0.0
140°-150°	1.1	0.0
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5579.8	96.8
0°-180°	5763.3	100.0



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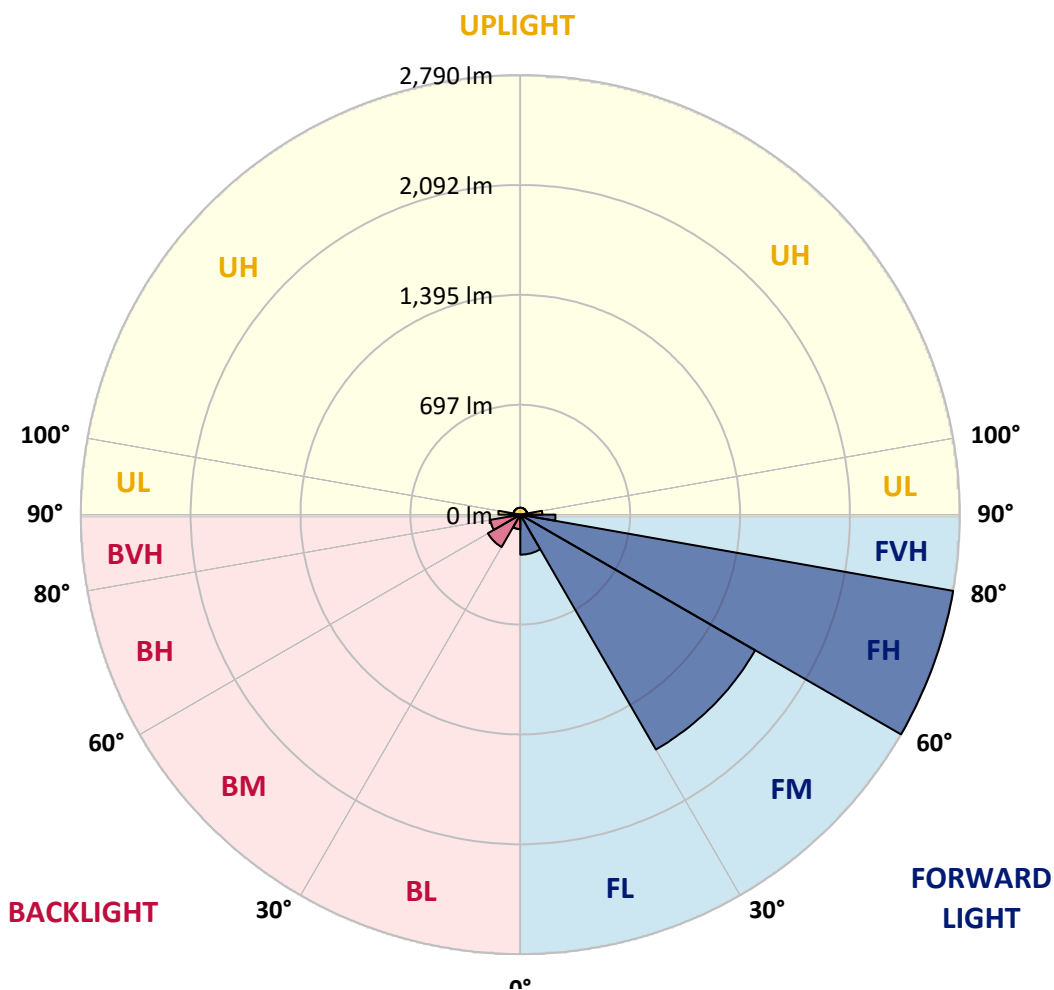
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	253.9	4.4			
FM	(30°-60°)	1721.4	29.9			
FH	(60°-80°)	2789.6	48.4			G2/5000
FVH	(80°-90°)	223.5	3.9			G2/225
BL	(0°-30°)	92.3	1.6	B0/110		
BM	(30°-60°)	237.3	4.1	B1/1000		
BH	(60°-80°)	193.8	3.4	B1/500		G1/500
BVH	(80°-90°)	68.0	1.2			G1/100
UL	(90°-100°)	139.5	2.4		U3/500	
UH	(100°-180°)	44.0	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°	656.7	656.7	656.7	656.7	656.7	656.7	656.7	656.7	656.7	656.7	656.7
2.5°	638.2	669.0	659.8	675.2	672.1	669.0	669.0	672.1	669.0	662.8	656.7
5°	650.5	641.3	635.1	632.0	619.7	604.3	598.1	591.9	656.7	656.7	644.3
7.5°	669.0	669.0	656.7	647.4	647.4	632.0	616.6	604.3	573.4	564.2	564.2
10°	712.2	706.0	696.8	678.3	585.8	588.8	554.9	487.1	456.3	468.6	487.1
12.5°	721.4	718.3	706.0	702.9	616.6	524.1	434.7	487.1	465.5	388.5	431.6
15°	773.8	767.7	743.0	699.8	527.2	542.6	505.6	434.7	416.2	474.8	508.7
17.5°	659.8	659.8	739.9	678.3	573.4	456.3	453.2	505.6	456.3	425.4	422.4
20°	810.8	810.8	776.9	554.9	588.8	582.7	468.6	530.3	447.0	505.6	539.5
22.5°	675.2	672.1	696.8	687.5	564.2	595.0	480.9	484.0	533.4	456.3	391.5
25°	823.2	823.2	804.7	598.1	641.3	536.4	548.8	579.6	474.8	576.5	582.7
27.5°	709.1	706.0	672.1	684.4	598.1	656.7	499.4	545.7	582.7	622.8	684.4
30°	866.3	872.5	857.1	650.5	665.9	625.8	595.0	632.0	706.0	829.3	869.4
32.5°	1069.8	1076.0	912.6	783.1	669.0	761.5	638.2	696.8	810.8	869.4	912.6
35°	1190.0	1143.8	1072.9	875.6	721.4	780.0	733.7	743.0	844.7	937.2	968.1
37.5°	1291.8	1230.1	1146.9	903.3	761.5	841.7	764.6	776.9	915.6	998.9	1039.0
40°	1325.7	1288.7	1242.4	965.0	810.8	887.9	801.6	829.3	983.5	1079.0	1140.7
42.5°	1408.9	1412.0	1384.3	1051.3	863.2	937.2	863.2	881.7	1072.9	1190.0	1279.4
45°	1630.9	1637.1	1606.2	1199.3	928.0	1023.5	961.9	971.1	1174.6	1359.6	1473.7
47.5°	1914.5	1892.9	1862.1	1396.6	1026.6	1122.2	1076.0	1066.7	1294.8	1581.6	1683.3
50°	2201.2	2161.2	2096.4	1667.9	1196.2	1223.9	1193.1	1186.9	1439.7	1809.7	1920.7
52.5°	2500.3	2469.5	2333.8	1923.8	1449.0	1371.9	1338.0	1371.9	1627.8	2062.5	2164.2
55°	2657.5	2626.7	2540.4	2198.2	1692.6	1563.1	1504.5	1566.1	1917.6	2299.9	2432.5
57.5°	2787.0	2777.8	2737.7	2484.9	1988.5	1766.5	1708.0	1766.5	2148.8	2521.9	2679.1
60°	2972.0	2935.0	2972.0	2762.3	2275.2	2016.3	1936.1	1997.8	2432.5	2716.1	2950.4
62.5°	3104.6	3095.3	3169.3	3073.7	2515.7	2278.3	2161.2	2219.7	2682.2	2922.7	3218.6
65°	2962.7	3009.0	3304.9	3277.2	2787.0	2546.5	2423.2	2404.7	2885.7	3144.6	3505.3
67.5°	2709.9	2740.8	3172.4	3382.0	3024.4	2817.8	2669.9	2583.5	3073.7	3345.0	3733.5
70°	2469.5	2506.5	2901.1	3388.2	3138.5	3166.2	2959.7	2799.3	3261.8	3570.1	3782.8
72.5°	2278.3	2312.2	2666.8	3314.2	3178.5	3514.6	3277.2	3027.5	3443.7	3576.2	3304.9
75°	1421.2	1445.9	2145.7	2965.8	3203.2	3829.0	3567.0	3240.2	3428.3	3079.9	2222.8
77.5°	437.8	447.0	918.7	1957.7	2783.9	3798.2	3517.7	3046.0	2873.3	1954.6	1014.3
80°	151.1	154.1	237.4	696.8	1664.8	2882.6	2682.2	2241.3	1717.2	721.4	382.3
82.5°	70.9	77.1	111.0	234.3	678.3	1575.4	1584.6	1331.8	721.4	320.6	259.0
85°	24.7	24.7	46.2	101.7	262.1	607.3	576.5	536.4	379.2	289.8	240.5
87.5°	9.2	9.2	15.4	27.7	64.7	129.5	163.4	200.4	200.4	203.5	243.6
90°	9.2	9.2	6.2	6.2	46.2	135.7	163.4	181.9	166.5	185.0	265.1
92.5°	9.2	9.2	6.2	6.2	49.3	157.2	181.9	197.3	175.7	197.3	292.9
95°	9.2	9.2	6.2	6.2	55.5	191.1	212.7	209.6	175.7	206.6	314.5
97.5°	12.3	12.3	6.2	3.1	49.3	203.5	228.1	222.0	151.1	157.2	246.6
100°	12.3	12.3	6.2	3.1	30.8	151.1	181.9	178.8	98.7	24.7	70.9
102.5°	12.3	12.3	6.2	3.1	6.2	70.9	86.3	89.4	58.6	9.2	12.3
105°	15.4	15.4	6.2	3.1	3.1	12.3	27.7	37.0	21.6	6.2	12.3
107.5°	15.4	15.4	6.2	3.1	3.1	6.2	6.2	9.2	9.2	6.2	15.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	12.3	12.3	3.1	6.2	3.1	3.1	3.1	3.1	3.1	6.2	15.4
115°	6.2	6.2	3.1	3.1	0.0	3.1	3.1	3.1	3.1	6.2	12.3
117.5°	3.1	3.1	0.0	3.1	0.0	3.1	3.1	3.1	6.2	6.2	15.4
120°	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1	3.1	9.2	18.5
122.5°	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1	3.1	9.2	18.5
125°	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1	3.1	9.2	18.5
127.5°	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1	3.1	9.2	15.4
130°	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1	3.1	6.2	12.3
132.5°	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1	3.1	6.2	9.2
135°	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	6.2
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1
140°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1
145°	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
147.5°	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
150°	9.2	9.2	6.2	3.1	0.0	0.0	3.1	3.1	3.1	3.1	3.1
152.5°	6.2	6.2	9.2	3.1	0.0	0.0	3.1	3.1	6.2	3.1	3.1
155°	6.2	6.2	3.1	0.0	0.0	0.0	0.0	3.1	3.1	6.2	6.2
157.5°	3.1	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1
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°	656.7	656.7	656.7	656.7	656.7	656.7	656.7	656.7	656.7	656.7	656.7
2.5°	650.5	647.4	638.2	632.0	622.8	613.5	567.3	539.5	536.4	533.4	536.4
5°	638.2	628.9	613.5	542.6	508.7	477.9	468.6	462.4	447.0	447.0	450.1
7.5°	551.9	545.7	496.4	474.8	447.0	419.3	394.6	376.1	329.9	314.5	308.3
10°	484.0	471.7	385.4	342.2	314.5	283.6	283.6	259.0	246.6	237.4	234.3
12.5°	419.3	410.0	339.1	311.4	234.3	203.5	188.1	172.6	163.4	157.2	154.1
15°	490.2	474.8	363.8	249.7	172.6	144.9	114.1	111.0	138.7	144.9	148.0
17.5°	391.5	400.8	323.7	218.9	141.8	89.4	98.7	117.2	132.6	132.6	129.5
20°	521.0	499.4	351.5	175.7	101.7	89.4	95.6	86.3	123.3	132.6	132.6
22.5°	379.2	360.7	289.8	163.4	80.2	86.3	80.2	101.7	114.1	101.7	104.8
25°	564.2	536.4	336.0	114.1	83.2	74.0	92.5	80.2	111.0	120.2	123.3
27.5°	699.8	607.3	329.9	107.9	74.0	83.2	77.1	92.5	89.4	95.6	95.6
30°	835.5	783.1	373.0	98.7	74.0	70.9	80.2	80.2	101.7	111.0	111.0
32.5°	894.1	832.4	326.8	95.6	74.0	70.9	70.9	86.3	95.6	114.1	114.1
35°	955.7	872.5	274.4	89.4	70.9	67.8	67.8	86.3	101.7	114.1	117.2
37.5°	1039.0	915.6	222.0	86.3	67.8	64.7	58.6	77.1	107.9	120.2	123.3
40°	1143.8	977.3	172.6	80.2	61.7	58.6	55.5	77.1	92.5	107.9	107.9
42.5°	1307.2	1045.1	135.7	77.1	58.6	52.4	52.4	64.7	89.4	101.7	101.7
45°	1473.7	1125.3	114.1	74.0	55.5	49.3	49.3	64.7	67.8	86.3	86.3
47.5°	1658.6	1205.4	104.8	70.9	55.5	43.2	43.2	58.6	58.6	80.2	83.2
50°	1849.8	1273.3	98.7	67.8	49.3	40.1	49.3	40.1	49.3	77.1	83.2
52.5°	2016.3	1328.8	92.5	61.7	46.2	37.0	46.2	40.1	49.3	70.9	70.9
55°	2185.8	1359.6	89.4	58.6	43.2	30.8	46.2	43.2	46.2	64.7	64.7
57.5°	2336.9	1368.8	86.3	58.6	37.0	27.7	43.2	52.4	40.1	52.4	58.6
60°	2472.5	1359.6	77.1	52.4	27.7	27.7	46.2	61.7	55.5	61.7	61.7
62.5°	2598.9	1325.7	61.7	43.2	21.6	27.7	58.6	67.8	52.4	64.7	70.9
65°	2706.8	1279.4	46.2	33.9	15.4	30.8	61.7	77.1	61.7	74.0	80.2
67.5°	2756.2	1217.8	37.0	27.7	15.4	33.9	64.7	86.3	70.9	83.2	89.4
70°	2672.9	1091.4	30.8	27.7	12.3	40.1	67.8	92.5	80.2	104.8	107.9
72.5°	2219.7	857.1	27.7	27.7	21.6	49.3	86.3	104.8	98.7	141.8	138.7
75°	1470.6	468.6	27.7	24.7	27.7	58.6	104.8	123.3	107.9	160.3	160.3
77.5°	678.3	206.6	24.7	27.7	30.8	64.7	120.2	148.0	123.3	181.9	178.8
80°	296.0	126.4	24.7	24.7	33.9	70.9	135.7	166.5	135.7	200.4	200.4
82.5°	222.0	114.1	21.6	24.7	46.2	80.2	157.2	185.0	151.1	215.8	212.7
85°	206.6	107.9	24.7	27.7	52.4	101.7	185.0	200.4	157.2	222.0	222.0
87.5°	209.6	104.8	24.7	27.7	70.9	129.5	209.6	215.8	172.6	234.3	234.3
90°	215.8	107.9	27.7	30.8	80.2	141.8	234.3	231.2	194.2	246.6	246.6
92.5°	231.2	107.9	30.8	33.9	86.3	157.2	255.9	237.4	209.6	255.9	249.7
95°	240.5	107.9	33.9	37.0	101.7	172.6	271.3	231.2	222.0	237.4	231.2
97.5°	178.8	80.2	40.1	43.2	104.8	194.2	249.7	197.3	144.9	141.8	144.9
100°	58.6	27.7	43.2	46.2	67.8	135.7	185.0	141.8	77.1	58.6	58.6
102.5°	15.4	15.4	40.1	43.2	37.0	58.6	107.9	92.5	52.4	3.1	6.2
105°	15.4	12.3	24.7	33.9	21.6	15.4	43.2	52.4	40.1	3.1	3.1
107.5°	15.4	12.3	12.3	18.5	6.2	6.2	12.3	12.3	12.3	3.1	3.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.5	12.3	6.2	6.2	6.2	3.1	3.1	3.1	3.1	9.2	12.3
115°	15.4	12.3	3.1	6.2	3.1	3.1	3.1	3.1	6.2	12.3	15.4
117.5°	15.4	12.3	3.1	3.1	3.1	3.1	3.1	3.1	6.2	15.4	18.5
120°	18.5	15.4	3.1	3.1	3.1	3.1	3.1	3.1	6.2	18.5	18.5
122.5°	18.5	15.4	3.1	3.1	3.1	3.1	0.0	3.1	9.2	18.5	18.5
125°	18.5	15.4	3.1	3.1	3.1	0.0	0.0	3.1	9.2	18.5	21.6
127.5°	15.4	12.3	3.1	3.1	3.1	0.0	0.0	3.1	6.2	15.4	18.5
130°	12.3	9.2	3.1	3.1	3.1	0.0	0.0	0.0	6.2	15.4	15.4
132.5°	9.2	6.2	3.1	3.1	3.1	0.0	0.0	0.0	6.2	12.3	12.3
135°	6.2	6.2	3.1	3.1	3.1	0.0	0.0	0.0	3.1	9.2	9.2
137.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	3.1	3.1	3.1
140°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
145°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
155°	6.2	6.2	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.1	3.1	3.1	3.1	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



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110°	15.4	15.4	6.2	6.2	3.1	3.1	3.1	3.1	6.2	6.2	15.4
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110°	15.4	12.3	6.2	6.2	6.2	6.2	6.2	3.1	3.1	6.2	6.2
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(END OF REPORT)