

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: P559843

Luminaire Tested: **SDL-PA1-100-730-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559843
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-PA1-100-730-U-T4W-HSS-A
Description: Springdale
(1) 70 CRI, 3000K, 1200mA 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: 6373.8 lumens
Efficiency: N/A
Efficacy: 68.0 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 - G3

Input Watts (W): 93.8
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

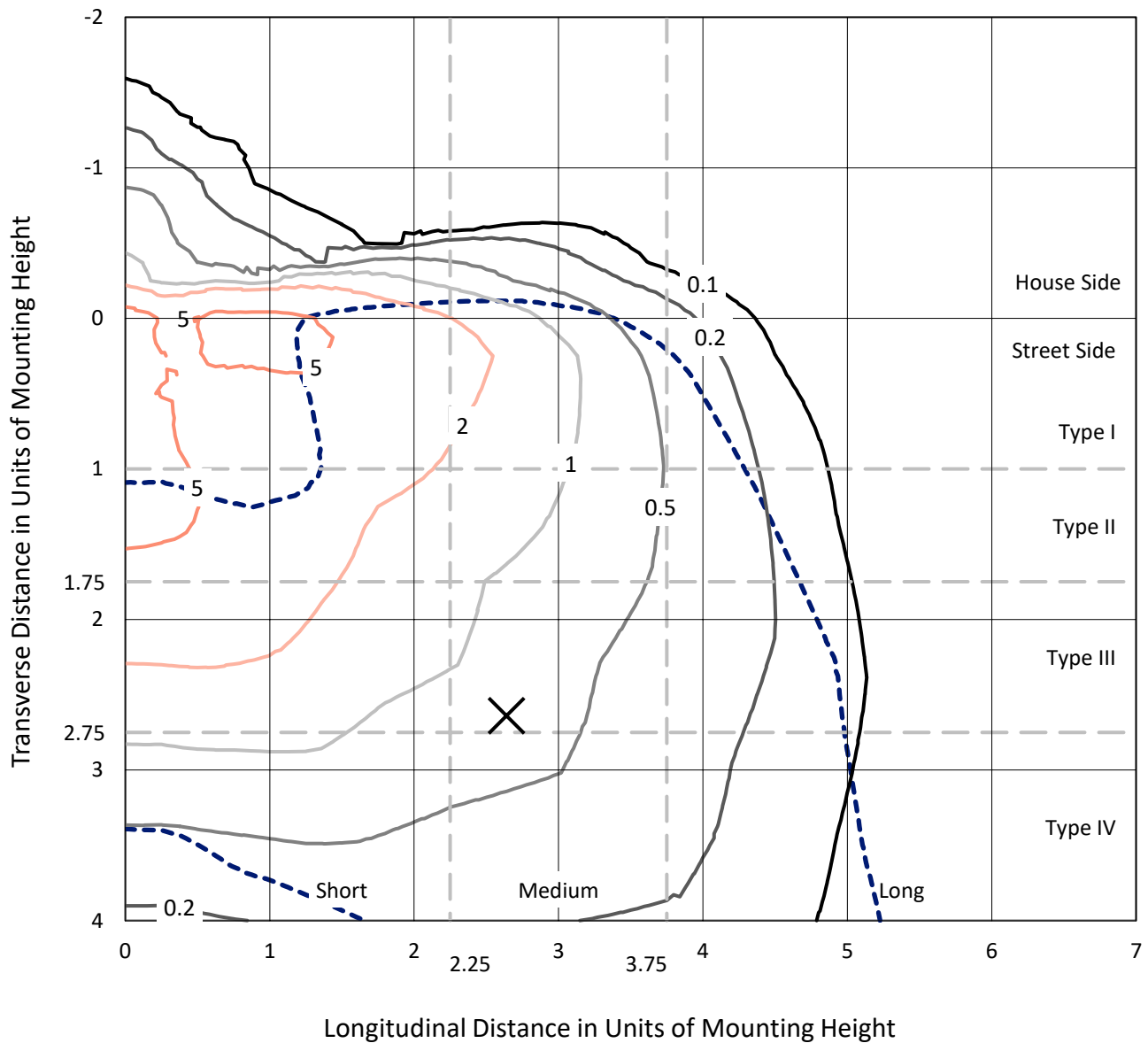


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

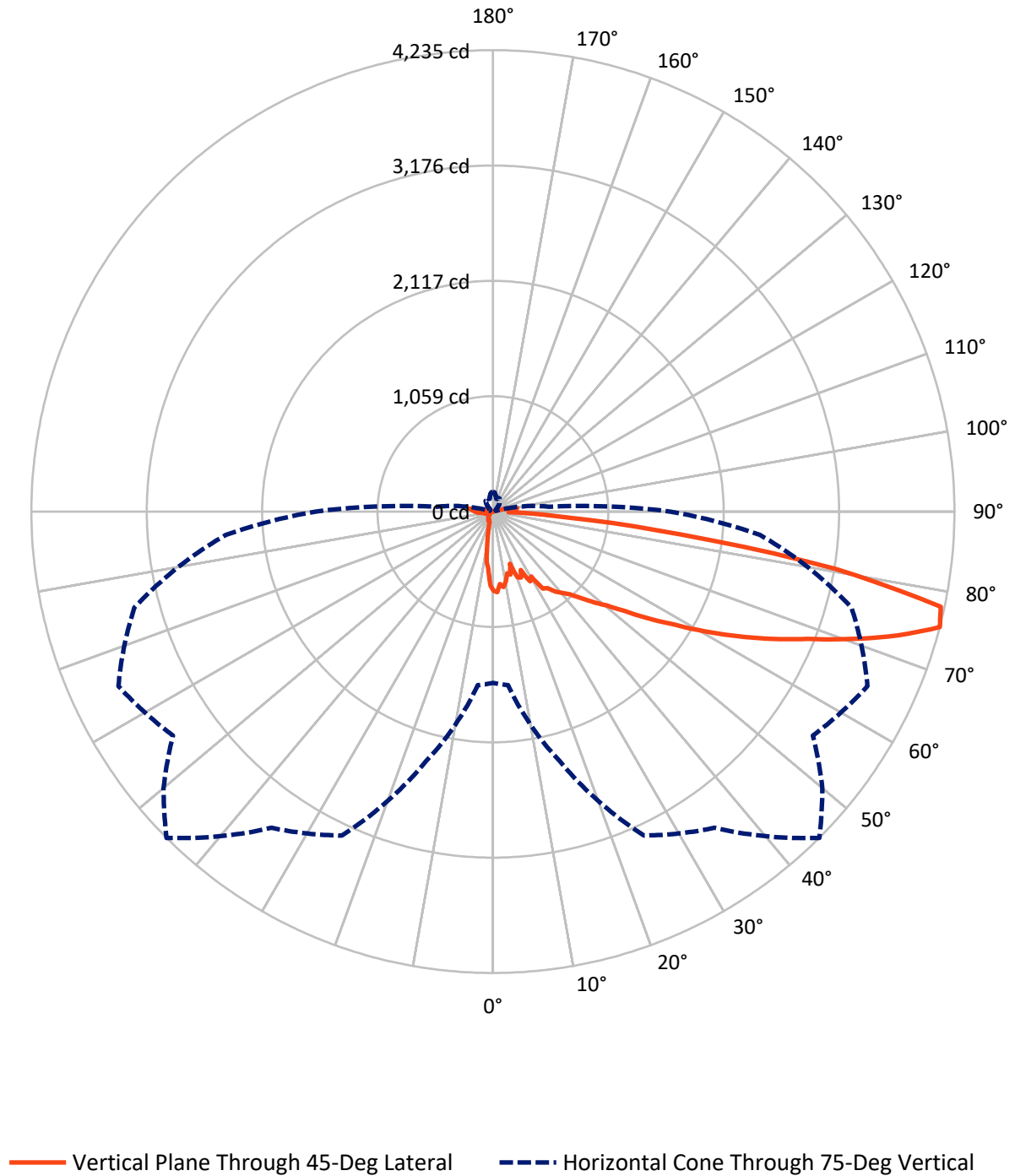


Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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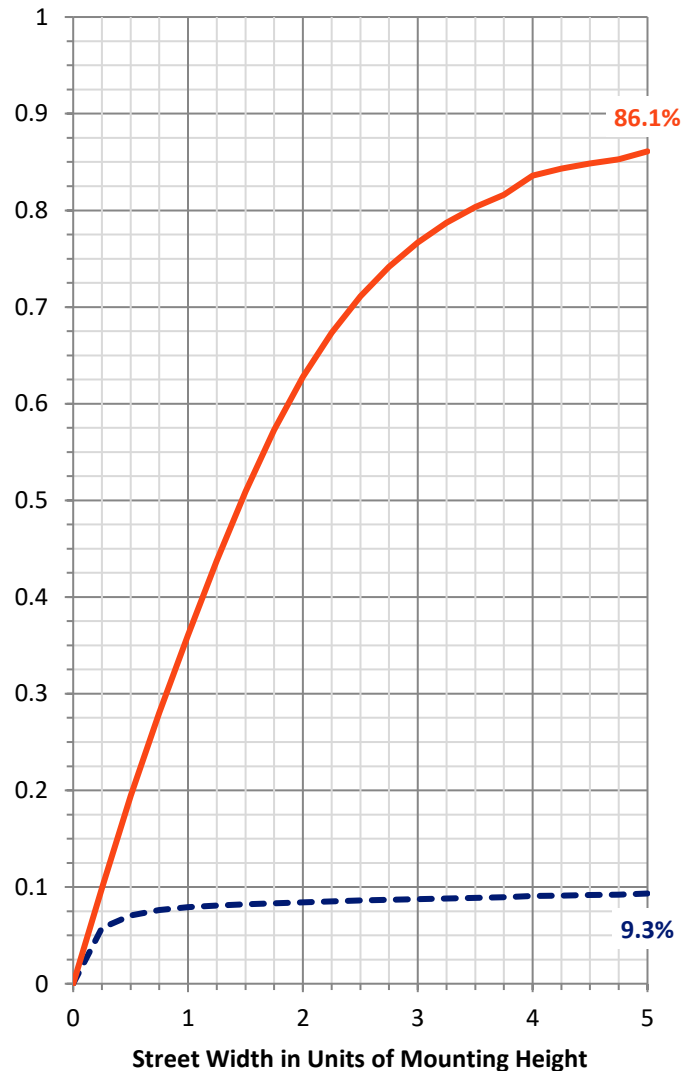
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	654.0	114.4	768.4
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	5516.9	88.4	5605.4
	% Fixture	86.6	1.4	87.9
Total	Lumens	6171.0	202.8	6373.8
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.4	0.9
10°-20°	122.0	1.9
20°-30°	204.6	3.2
30°-40°	379.4	6.0
40°-50°	639.4	10.0
50°-60°	1147.5	18.0
60°-70°	1723.1	27.0
70°-80°	1576.4	24.7
80°-90°	322.3	5.1
90°-100°	154.2	2.4
100°-110°	32.9	0.5
110°-120°	6.2	0.1
120°-130°	4.9	0.1
130°-140°	2.2	0.0
140°-150°	1.2	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6171.0	96.8
0°-180°	6373.8	100.0



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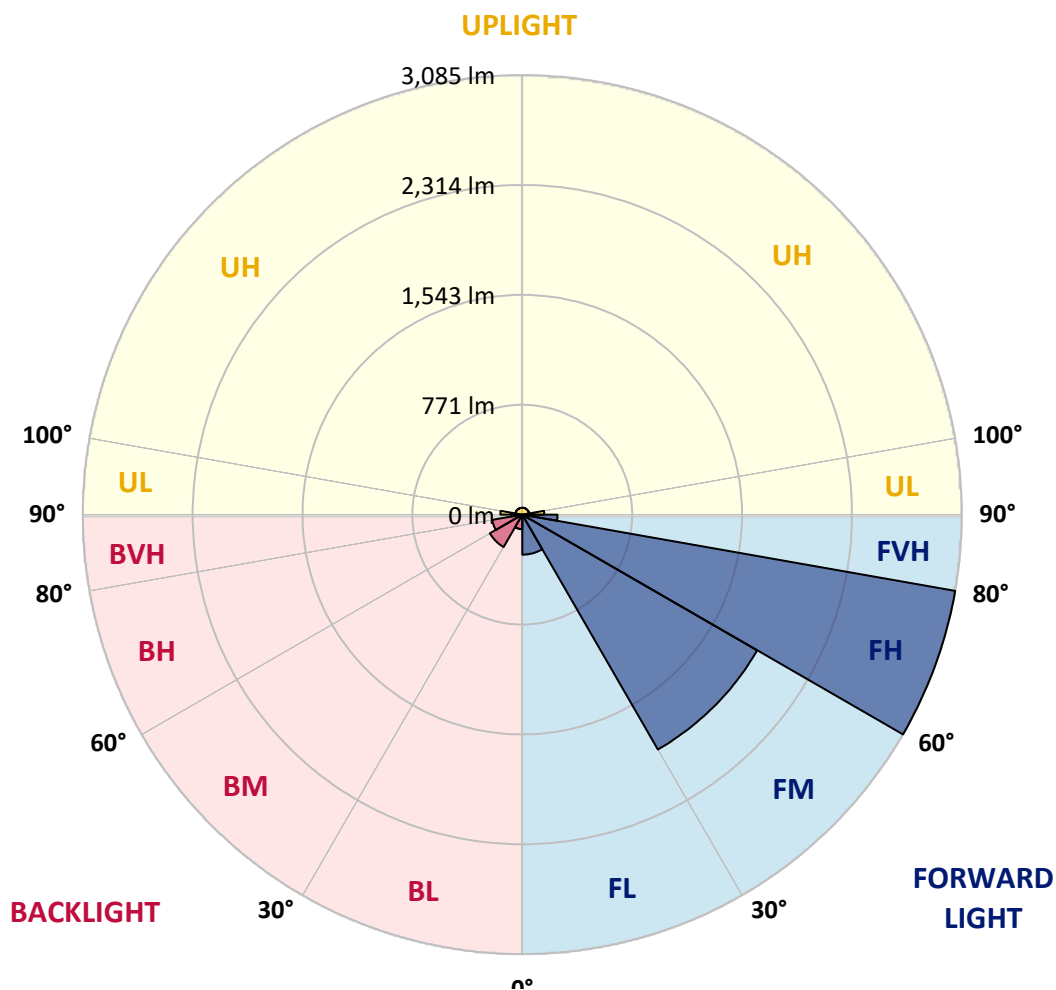
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	280.8	4.4			
FM	(30°-60°)	1903.8	29.9			
FH	(60°-80°)	3085.2	48.4			G2/5000
FVH	(80°-90°)	247.1	3.9			G3/500
BL	(0°-30°)	102.1	1.6	B0/110		
BM	(30°-60°)	262.4	4.1	B1/1000		
BH	(60°-80°)	214.3	3.4	B1/500		G1/500
BVH	(80°-90°)	75.2	1.2			G1/100
UL	(90°-100°)	154.2	2.4		U3/500	
UH	(100°-180°)	48.6	0.8		U2/50	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	726.2	726.2	726.2	726.2	726.2	726.2	726.2	726.2	726.2	726.2	726.2
2.5°	705.8	739.9	729.7	746.7	743.3	739.9	739.9	743.3	739.9	733.1	726.2
5°	719.4	709.2	702.4	699.0	685.3	668.3	661.5	654.6	726.2	726.2	712.6
7.5°	739.9	739.9	726.2	716.0	716.0	699.0	681.9	668.3	634.2	624.0	624.0
10°	787.6	780.8	770.6	750.1	647.8	651.2	613.7	538.7	504.6	518.3	538.7
12.5°	797.8	794.4	780.8	777.4	681.9	579.6	480.8	538.7	514.9	429.6	477.3
15°	855.8	849.0	821.7	774.0	583.0	600.1	559.2	480.8	460.3	525.1	562.6
17.5°	729.7	729.7	818.3	750.1	634.2	504.6	501.2	559.2	504.6	470.5	467.1
20°	896.7	896.7	859.2	613.7	651.2	644.4	518.3	586.5	494.4	559.2	596.7
22.5°	746.7	743.3	770.6	760.3	624.0	658.1	531.9	535.3	589.9	504.6	433.0
25°	910.4	910.4	889.9	661.5	709.2	593.3	606.9	641.0	525.1	637.6	644.4
27.5°	784.2	780.8	743.3	756.9	661.5	726.2	552.4	603.5	644.4	688.7	756.9
30°	958.1	964.9	947.9	719.4	736.5	692.2	658.1	699.0	780.8	917.2	961.5
32.5°	1183.1	1190.0	1009.2	866.0	739.9	842.2	705.8	770.6	896.7	961.5	1009.2
35°	1316.1	1265.0	1186.5	968.3	797.8	862.6	811.5	821.7	934.2	1036.5	1070.6
37.5°	1428.6	1360.4	1268.4	999.0	842.2	930.8	845.6	859.2	1012.7	1104.7	1149.0
40°	1466.1	1425.2	1374.1	1067.2	896.7	982.0	886.5	917.2	1087.7	1193.4	1261.6
42.5°	1558.2	1561.6	1530.9	1162.7	954.7	1036.5	954.7	975.1	1186.5	1316.1	1415.0
45°	1803.7	1810.5	1776.4	1326.3	1026.3	1132.0	1063.8	1074.0	1299.1	1503.6	1629.8
47.5°	2117.4	2093.5	2059.4	1544.6	1135.4	1241.1	1190.0	1179.7	1432.0	1749.1	1861.6
50°	2434.5	2390.1	2318.5	1844.6	1322.9	1353.6	1319.5	1312.7	1592.3	2001.4	2124.2
52.5°	2765.2	2731.1	2581.1	2127.6	1602.5	1517.3	1479.8	1517.3	1800.3	2281.0	2393.5
55°	2939.1	2905.0	2809.5	2431.1	1871.9	1728.7	1663.9	1732.1	2120.8	2543.6	2690.2
57.5°	3082.3	3072.1	3027.7	2748.1	2199.2	1953.7	1888.9	1953.7	2376.5	2789.1	2963.0
60°	3286.9	3246.0	3286.9	3055.0	2516.3	2229.9	2141.2	2209.4	2690.2	3003.9	3263.0
62.5°	3433.5	3423.3	3505.1	3399.4	2782.2	2519.7	2390.1	2454.9	2966.4	3232.3	3559.6
65°	3276.6	3327.8	3655.1	3624.4	3082.3	2816.3	2680.0	2659.5	3191.4	3477.8	3876.7
67.5°	2997.1	3031.1	3508.5	3740.3	3344.8	3116.4	2952.7	2857.3	3399.4	3699.4	4129.0
70°	2731.1	2772.0	3208.4	3747.2	3471.0	3501.7	3273.2	3095.9	3607.4	3948.3	4183.6
72.5°	2519.7	2557.2	2949.3	3665.3	3515.3	3887.0	3624.4	3348.2	3808.5	3955.2	3655.1
75°	1571.8	1599.1	2373.1	3280.0	3542.6	4234.7	3944.9	3583.5	3791.5	3406.2	2458.3
77.5°	484.2	494.4	1016.1	2165.1	3078.9	4200.6	3890.4	3368.7	3177.8	2161.7	1121.8
80°	167.1	170.5	262.5	770.6	1841.2	3188.0	2966.4	2478.8	1899.2	797.8	422.8
82.5°	78.4	85.2	122.7	259.1	750.1	1742.3	1752.5	1473.0	797.8	354.6	286.4
85°	27.3	27.3	51.1	112.5	289.8	671.7	637.6	593.3	419.4	320.5	265.9
87.5°	10.2	10.2	17.0	30.7	71.6	143.2	180.7	221.6	221.6	225.0	269.4
90°	10.2	10.2	6.8	6.8	51.1	150.0	180.7	201.2	184.1	204.6	293.2
92.5°	10.2	10.2	6.8	6.8	54.6	173.9	201.2	218.2	194.3	218.2	323.9
95°	10.2	10.2	6.8	6.8	61.4	211.4	235.3	231.9	194.3	228.4	347.8
97.5°	13.6	13.6	6.8	3.4	54.6	225.0	252.3	245.5	167.1	173.9	272.8
100°	13.6	13.6	6.8	3.4	34.1	167.1	201.2	197.8	109.1	27.3	78.4
102.5°	13.6	13.6	6.8	3.4	6.8	78.4	95.5	98.9	64.8	10.2	13.6
105°	17.0	17.0	6.8	3.4	3.4	13.6	30.7	40.9	23.9	6.8	13.6
107.5°	17.0	17.0	6.8	3.4	3.4	6.8	6.8	10.2	10.2	6.8	17.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	13.6	13.6	3.4	6.8	3.4	3.4	3.4	3.4	3.4	6.8	17.0
115°	6.8	6.8	3.4	3.4	0.0	3.4	3.4	3.4	3.4	6.8	13.6
117.5°	3.4	3.4	0.0	3.4	0.0	3.4	3.4	3.4	6.8	6.8	17.0
120°	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4	3.4	10.2	20.5
122.5°	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4	3.4	10.2	20.5
125°	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4	3.4	10.2	20.5
127.5°	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4	3.4	10.2	17.0
130°	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4	3.4	6.8	13.6
132.5°	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4	3.4	6.8	10.2
135°	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	6.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4
140°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4
145°	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4
147.5°	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
150°	10.2	10.2	6.8	3.4	0.0	0.0	3.4	3.4	3.4	3.4	3.4
152.5°	6.8	6.8	10.2	3.4	0.0	0.0	3.4	3.4	6.8	3.4	3.4
155°	6.8	6.8	3.4	0.0	0.0	0.0	0.0	3.4	3.4	6.8	6.8
157.5°	3.4	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4
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°	726.2	726.2	726.2	726.2	726.2	726.2	726.2	726.2	726.2	726.2	726.2
2.5°	719.4	716.0	705.8	699.0	688.7	678.5	627.4	596.7	593.3	589.9	593.3
5°	705.8	695.6	678.5	600.1	562.6	528.5	518.3	511.4	494.4	494.4	497.8
7.5°	610.3	603.5	548.9	525.1	494.4	463.7	436.4	416.0	364.8	347.8	341.0
10°	535.3	521.7	426.2	378.5	347.8	313.7	313.7	286.4	272.8	262.5	259.1
12.5°	463.7	453.5	375.1	344.4	259.1	225.0	208.0	190.9	180.7	173.9	170.5
15°	542.1	525.1	402.3	276.2	190.9	160.3	126.2	122.7	153.4	160.3	163.7
17.5°	433.0	443.2	358.0	242.1	156.8	98.9	109.1	129.6	146.6	146.6	143.2
20°	576.2	552.4	388.7	194.3	112.5	98.9	105.7	95.5	136.4	146.6	146.6
22.5°	419.4	398.9	320.5	180.7	88.6	95.5	88.6	112.5	126.2	112.5	115.9
25°	624.0	593.3	371.6	126.2	92.1	81.8	102.3	88.6	122.7	133.0	136.4
27.5°	774.0	671.7	364.8	119.3	81.8	92.1	85.2	102.3	98.9	105.7	105.7
30°	924.0	866.0	412.6	109.1	81.8	78.4	88.6	88.6	112.5	122.7	122.7
32.5°	988.8	920.6	361.4	105.7	81.8	78.4	78.4	95.5	105.7	126.2	126.2
35°	1057.0	964.9	303.5	98.9	78.4	75.0	75.0	95.5	112.5	126.2	129.6
37.5°	1149.0	1012.7	245.5	95.5	75.0	71.6	64.8	85.2	119.3	133.0	136.4
40°	1265.0	1080.8	190.9	88.6	68.2	64.8	61.4	85.2	102.3	119.3	119.3
42.5°	1445.7	1155.9	150.0	85.2	64.8	58.0	58.0	71.6	98.9	112.5	112.5
45°	1629.8	1244.5	126.2	81.8	61.4	54.6	54.6	71.6	75.0	95.5	95.5
47.5°	1834.4	1333.2	115.9	78.4	61.4	47.7	47.7	64.8	64.8	88.6	92.1
50°	2045.8	1408.2	109.1	75.0	54.6	44.3	54.6	44.3	54.6	85.2	92.1
52.5°	2229.9	1469.5	102.3	68.2	51.1	40.9	51.1	44.3	54.6	78.4	78.4
55°	2417.4	1503.6	98.9	64.8	47.7	34.1	51.1	47.7	51.1	71.6	71.6
57.5°	2584.5	1513.9	95.5	64.8	40.9	30.7	47.7	58.0	44.3	58.0	64.8
60°	2734.5	1503.6	85.2	58.0	30.7	30.7	51.1	68.2	61.4	68.2	68.2
62.5°	2874.3	1466.1	68.2	47.7	23.9	30.7	64.8	75.0	58.0	71.6	78.4
65°	2993.6	1415.0	51.1	37.5	17.0	34.1	68.2	85.2	68.2	81.8	88.6
67.5°	3048.2	1346.8	40.9	30.7	17.0	37.5	71.6	95.5	78.4	92.1	98.9
70°	2956.1	1207.0	34.1	30.7	13.6	44.3	75.0	102.3	88.6	115.9	119.3
72.5°	2454.9	947.9	30.7	30.7	23.9	54.6	95.5	115.9	109.1	156.8	153.4
75°	1626.4	518.3	30.7	27.3	30.7	64.8	115.9	136.4	119.3	177.3	177.3
77.5°	750.1	228.4	27.3	30.7	34.1	71.6	133.0	163.7	136.4	201.2	197.8
80°	327.3	139.8	27.3	27.3	37.5	78.4	150.0	184.1	150.0	221.6	221.6
82.5°	245.5	126.2	23.9	27.3	51.1	88.6	173.9	204.6	167.1	238.7	235.3
85°	228.4	119.3	27.3	30.7	58.0	112.5	204.6	221.6	173.9	245.5	245.5
87.5°	231.9	115.9	27.3	30.7	78.4	143.2	231.9	238.7	190.9	259.1	259.1
90°	238.7	119.3	30.7	34.1	88.6	156.8	259.1	255.7	214.8	272.8	272.8
92.5°	255.7	119.3	34.1	37.5	95.5	173.9	283.0	262.5	231.9	283.0	276.2
95°	265.9	119.3	37.5	40.9	112.5	190.9	300.0	255.7	245.5	262.5	255.7
97.5°	197.8	88.6	44.3	47.7	115.9	214.8	276.2	218.2	160.3	156.8	160.3
100°	64.8	30.7	47.7	51.1	75.0	150.0	204.6	156.8	85.2	64.8	64.8
102.5°	17.0	17.0	44.3	47.7	40.9	64.8	119.3	102.3	58.0	3.4	6.8
105°	17.0	13.6	27.3	37.5	23.9	17.0	47.7	58.0	44.3	3.4	3.4
107.5°	17.0	13.6	13.6	20.5	6.8	6.8	13.6	13.6	13.6	3.4	3.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.5	13.6	6.8	6.8	6.8	3.4	3.4	3.4	3.4	10.2	13.6
115°	17.0	13.6	3.4	6.8	3.4	3.4	3.4	3.4	6.8	13.6	17.0
117.5°	17.0	13.6	3.4	3.4	3.4	3.4	3.4	3.4	6.8	17.0	20.5
120°	20.5	17.0	3.4	3.4	3.4	3.4	3.4	3.4	6.8	20.5	20.5
122.5°	20.5	17.0	3.4	3.4	3.4	3.4	0.0	3.4	10.2	20.5	20.5
125°	20.5	17.0	3.4	3.4	3.4	0.0	0.0	3.4	10.2	20.5	23.9
127.5°	17.0	13.6	3.4	3.4	3.4	0.0	0.0	3.4	6.8	17.0	20.5
130°	13.6	10.2	3.4	3.4	3.4	0.0	0.0	0.0	6.8	17.0	17.0
132.5°	10.2	6.8	3.4	3.4	3.4	0.0	0.0	0.0	6.8	13.6	13.6
135°	6.8	6.8	3.4	3.4	3.4	0.0	0.0	0.0	3.4	10.2	10.2
137.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	3.4	3.4	3.4
140°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
145°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
155°	6.8	6.8	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.4	3.4	3.4	3.4	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°	17.0	17.0	6.8	6.8	3.4	3.4	3.4	3.4	6.8	6.8	17.0
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110°	17.0	13.6	6.8	6.8	6.8	6.8	6.8	3.4	3.4	6.8	6.8
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(END OF REPORT)