

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: P561048

Luminaire Tested: **SDL-PA1-80-727-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561048
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-80-727-U-T3-A
Description: Springdale
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7305.5 lumens
Efficiency: N/A
Efficacy: 89.1 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: B2 - U3 - G3

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



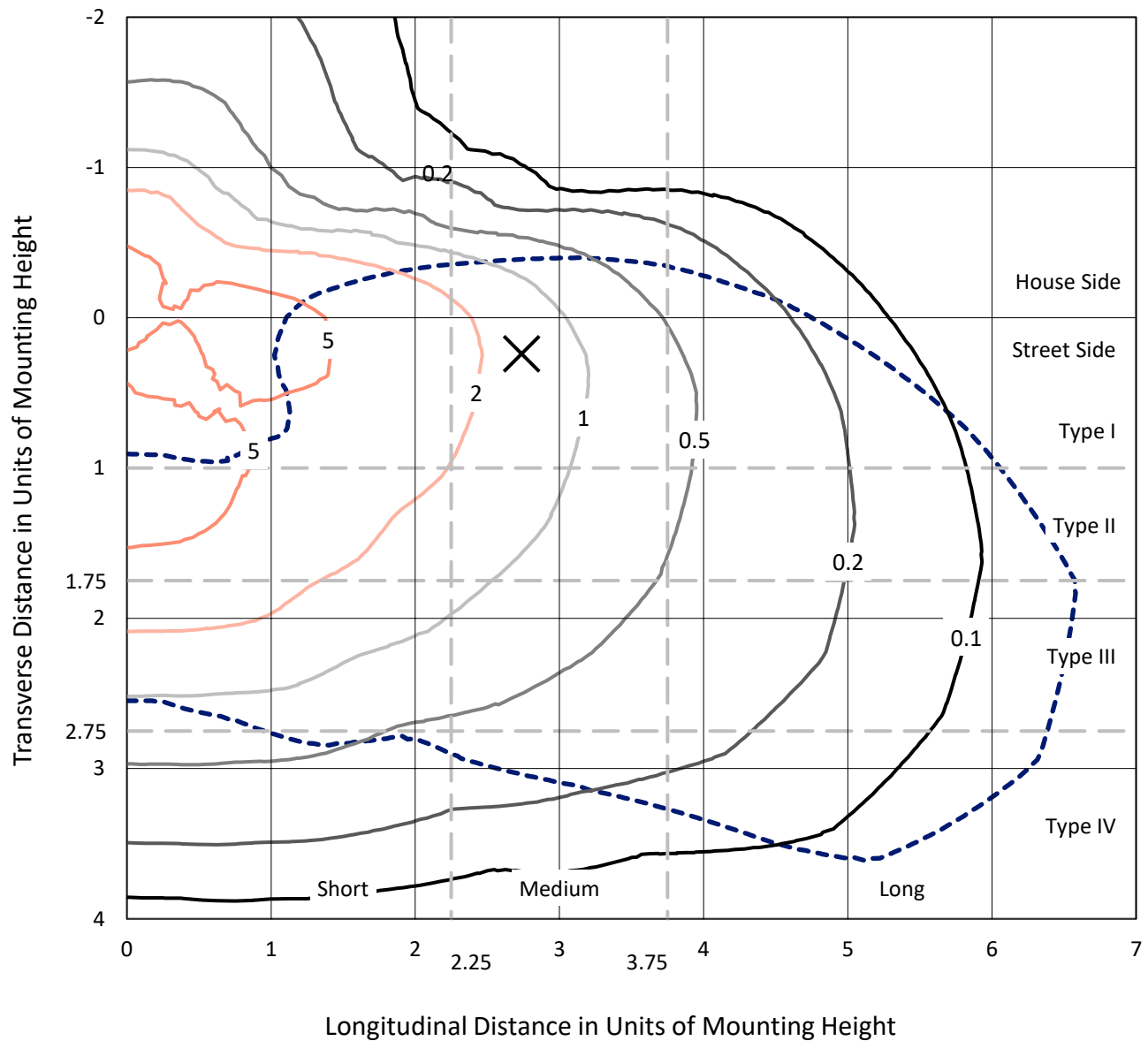
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



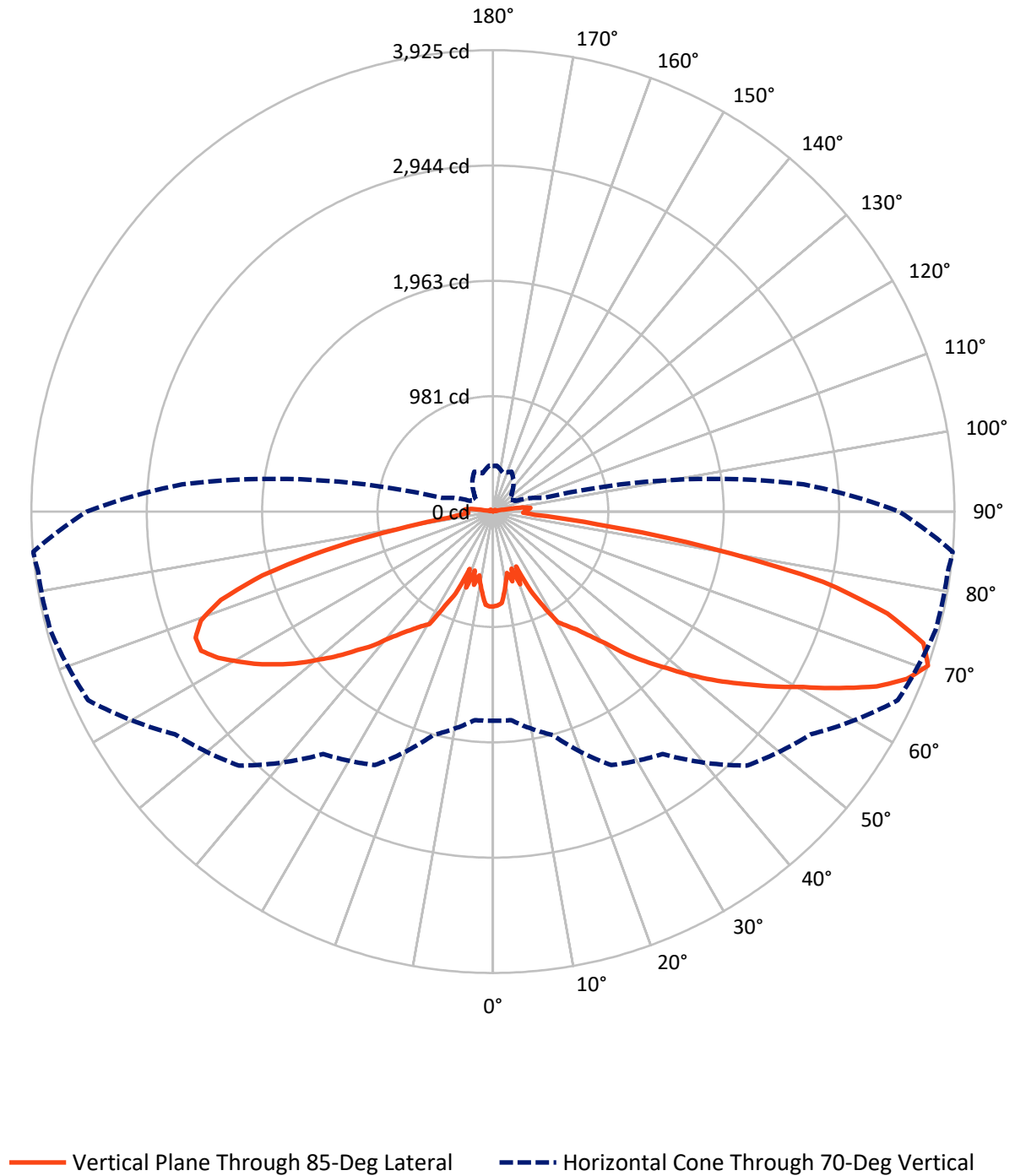
Based on 10 foot mounting height. Maximum calculated value = 8.3 fc

Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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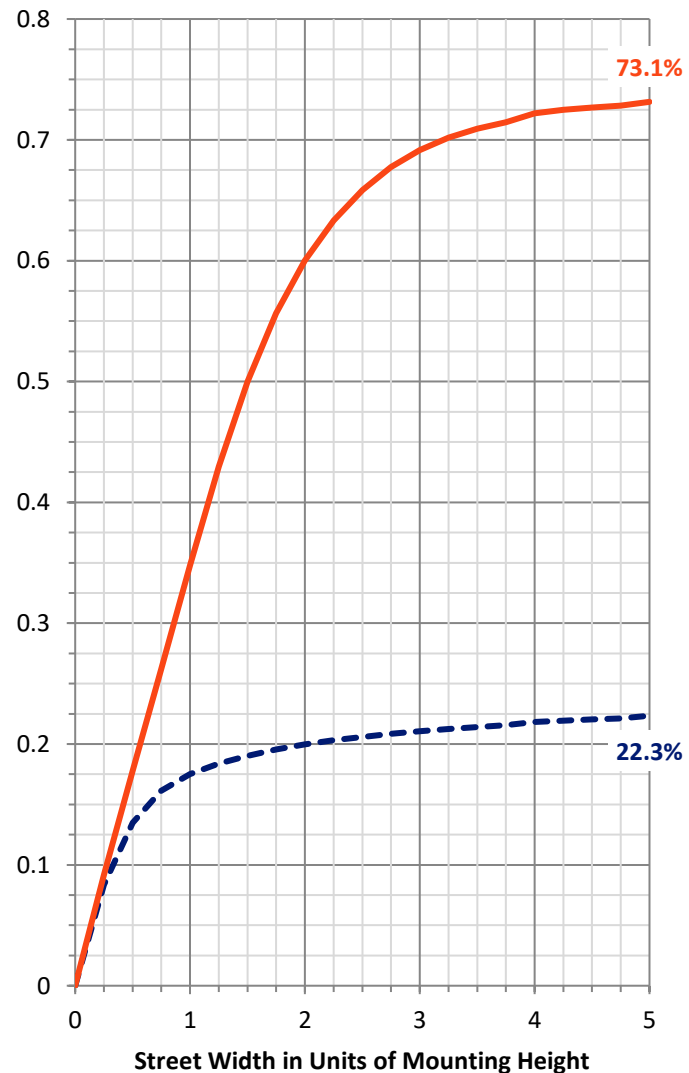
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1717.6	110.6	1828.2
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	5383.9	93.5	5477.3
	% Fixture	73.7	1.3	75.0
Total	Lumens	7101.4	204.1	7305.5
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.8	0.9
10°-20°	161.2	2.2
20°-30°	293.6	4.0
30°-40°	555.0	7.6
40°-50°	927.6	12.7
50°-60°	1447.8	19.8
60°-70°	1795.4	24.6
70°-80°	1466.8	20.1
80°-90°	388.2	5.3
90°-100°	147.4	2.0
100°-110°	31.4	0.4
110°-120°	10.2	0.1
120°-130°	7.9	0.1
130°-140°	3.8	0.1
140°-150°	1.8	0.0
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7101.4	97.2
0°-180°	7305.5	100.0



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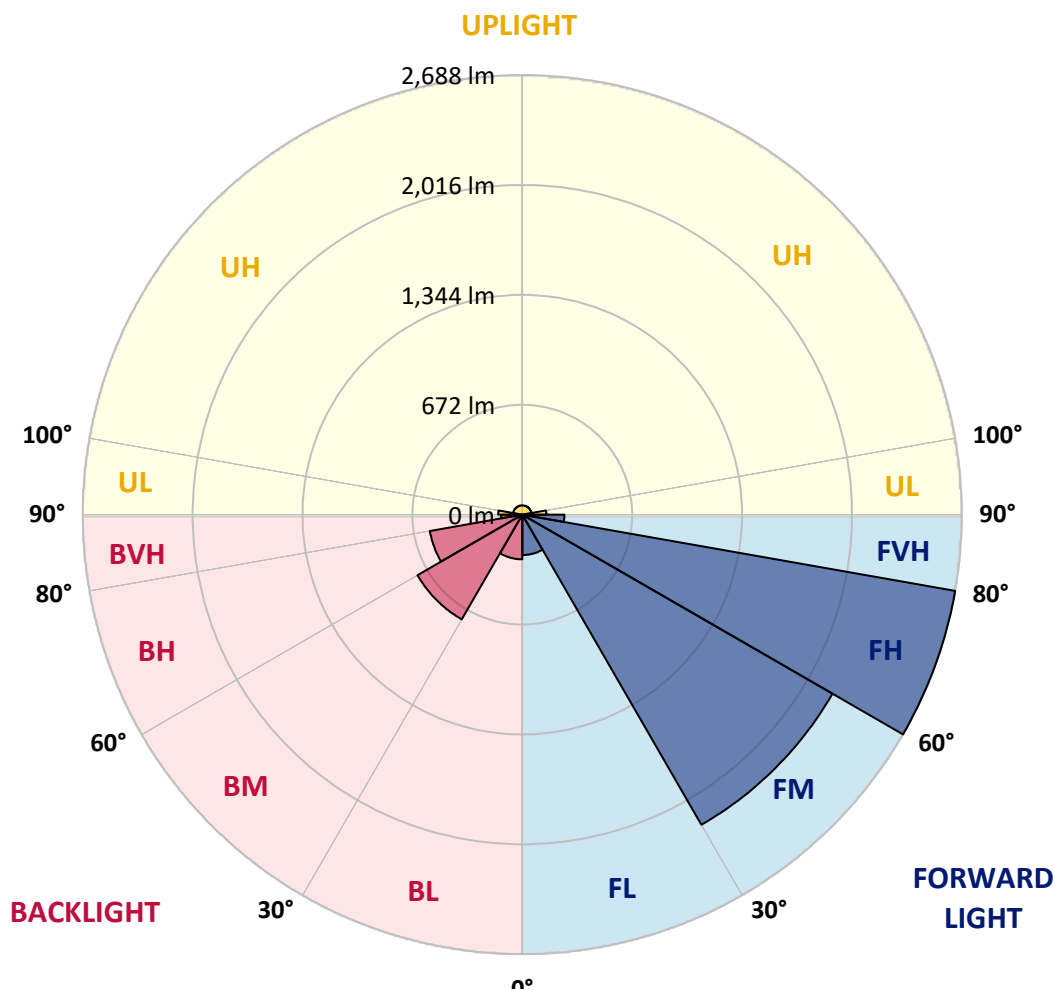
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	247.4	3.4			
FM	(30°-60°)	2190.6	30.0			
FH	(60°-80°)	2688.3	36.8			G2/5000
FVH	(80°-90°)	257.6	3.5			G3/500
BL	(0°-30°)	273.2	3.7	B1/500		
BM	(30°-60°)	739.8	10.1	B1/1000		
BH	(60°-80°)	573.9	7.9	B2/1000		G2/1000
BVH	(80°-90°)	130.7	1.8			G2/225
UL	(90°-100°)	147.4	2.0		U3/500	
UH	(100°-180°)	56.7	0.8		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
0°	807.2	807.2	807.2	807.2	807.2	807.2	807.2	807.2	807.2	807.2	807.2
2.5°	668.4	733.5	722.2	742.0	753.3	770.3	781.7	787.3	793.0	798.7	798.7
5°	620.2	623.1	625.9	628.7	634.4	642.9	651.4	742.0	770.3	781.7	781.7
7.5°	566.4	563.6	574.9	589.1	608.9	620.2	628.7	631.6	662.7	688.2	693.9
10°	563.6	566.4	566.4	572.1	538.1	535.3	495.6	498.5	540.9	606.1	608.9
12.5°	490.0	504.1	535.3	557.9	523.9	470.1	461.6	484.3	453.1	532.4	535.3
15°	546.6	543.8	543.8	521.1	441.8	464.5	413.5	430.5	526.8	600.4	614.6
17.5°	475.8	470.1	526.8	509.8	458.8	388.0	464.5	458.8	475.8	518.3	509.8
20°	597.6	591.9	580.6	441.8	464.5	487.1	473.0	441.8	557.9	623.1	659.9
22.5°	557.9	563.6	591.9	560.8	478.6	501.3	447.5	543.8	526.8	501.3	506.9
25°	761.8	756.2	727.9	549.4	572.1	467.3	546.6	484.3	668.4	742.0	747.7
27.5°	702.4	693.9	674.0	691.0	580.6	611.7	532.4	634.4	739.2	869.5	909.1
30°	931.8	923.3	900.6	696.7	691.0	606.1	645.7	778.8	996.9	1096.0	1093.2
32.5°	1200.8	1138.5	999.7	892.1	739.2	787.3	739.2	917.6	1062.0	1158.3	1158.3
35°	1365.1	1353.7	1280.1	1036.6	861.0	858.1	849.6	1011.1	1172.5	1240.5	1234.8
37.5°	1503.9	1523.7	1469.9	1200.8	971.4	994.1	951.6	1138.5	1308.4	1348.1	1342.4
40°	1696.4	1690.8	1662.4	1342.4	1107.4	1104.5	1073.4	1291.4	1458.5	1486.9	1472.7
42.5°	1982.5	1951.3	1866.4	1532.2	1251.8	1251.8	1195.2	1435.9	1642.6	1645.5	1654.0
45°	2333.7	2319.5	2169.4	1826.7	1438.7	1435.9	1342.4	1588.8	1829.5	1843.7	1818.2
47.5°	2577.2	2534.7	2461.1	2095.8	1727.6	1662.4	1520.8	1738.9	2053.3	2042.0	1991.0
50°	2818.0	2784.0	2716.0	2390.3	2027.8	1897.5	1687.9	1894.7	2268.5	2237.4	2189.2
52.5°	3024.7	2979.4	2905.7	2631.0	2291.2	2189.2	1880.5	2036.3	2486.6	2435.6	2390.3
55°	3143.6	3050.2	3055.8	2846.3	2489.4	2407.3	2095.8	2265.7	2699.0	2625.4	2588.6
57.5°	2996.4	2990.7	3084.2	2979.4	2670.7	2588.6	2325.2	2495.1	2919.9	2823.6	2806.6
60°	2849.1	2866.1	2999.2	3019.0	2812.3	2752.8	2523.4	2820.8	3135.1	3030.4	3030.4
62.5°	2645.2	2693.3	2880.3	3033.2	2826.4	2914.2	2730.2	3098.3	3370.2	3273.9	3305.1
65°	2413.0	2413.0	2628.2	2917.1	2781.1	3021.9	2959.6	3401.4	3577.0	3520.3	3585.5
67.5°	2095.8	2101.4	2325.2	2690.5	2699.0	3075.7	3143.6	3639.3	3792.2	3749.7	3797.9
70°	1778.6	1781.4	1968.3	2379.0	2517.7	3055.8	3302.2	3797.9	3897.0	3902.7	3925.3
72.5°	1331.1	1379.2	1554.8	1931.5	2203.4	2973.7	3384.4	3843.2	3894.2	3902.7	3829.0
75°	716.5	739.2	934.6	1257.5	1637.0	2636.7	3358.9	3795.0	3758.2	3659.1	3466.5
77.5°	249.2	260.6	328.5	549.4	928.9	1866.4	3115.3	3585.5	3466.5	3155.0	2871.8
80°	161.4	161.4	178.4	263.4	422.0	883.6	2418.6	3072.8	2792.5	2126.9	1863.5
82.5°	113.3	116.1	130.3	175.6	271.9	379.5	1257.5	1560.5	1537.8	1059.2	892.1
85°	82.1	85.0	90.6	102.0	186.9	235.1	490.0	750.5	693.9	379.5	356.8
87.5°	36.8	42.5	36.8	45.3	73.6	144.4	235.1	232.2	220.9	252.1	257.7
90°	28.3	28.3	22.7	25.5	51.0	130.3	218.1	209.6	223.7	274.7	271.9
92.5°	28.3	28.3	22.7	25.5	48.1	130.3	229.4	203.9	232.2	294.5	297.4
95°	28.3	31.2	22.7	22.7	39.6	133.1	243.6	218.1	246.4	320.0	320.0
97.5°	25.5	25.5	17.0	19.8	31.2	121.8	243.6	186.9	181.3	257.7	254.9
100°	19.8	22.7	11.3	17.0	22.7	73.6	181.3	116.1	51.0	59.5	90.6
102.5°	19.8	19.8	11.3	14.2	17.0	31.2	96.3	68.0	14.2	19.8	19.8
105°	19.8	22.7	11.3	11.3	11.3	14.2	45.3	34.0	11.3	17.0	19.8
107.5°	22.7	22.7	8.5	8.5	8.5	8.5	17.0	14.2	11.3	19.8	22.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	19.8	19.8	8.5	8.5	5.7	5.7	5.7	8.5	11.3	17.0	19.8
115°	14.2	14.2	5.7	8.5	5.7	5.7	5.7	8.5	8.5	14.2	17.0
117.5°	14.2	11.3	5.7	5.7	2.8	5.7	5.7	8.5	11.3	19.8	19.8
120°	14.2	14.2	5.7	2.8	2.8	2.8	2.8	5.7	14.2	22.7	25.5
122.5°	14.2	14.2	5.7	2.8	2.8	2.8	2.8	5.7	14.2	22.7	25.5
125°	17.0	14.2	8.5	2.8	2.8	2.8	2.8	2.8	11.3	19.8	22.7
127.5°	14.2	14.2	8.5	2.8	2.8	2.8	2.8	2.8	8.5	17.0	19.8
130°	14.2	14.2	8.5	2.8	2.8	2.8	2.8	2.8	8.5	14.2	14.2
132.5°	11.3	11.3	8.5	2.8	2.8	2.8	2.8	2.8	5.7	11.3	11.3
135°	11.3	11.3	5.7	2.8	2.8	2.8	2.8	2.8	2.8	8.5	8.5
137.5°	5.7	5.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
140°	0.0	2.8	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
142.5°	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
145°	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
147.5°	2.8	2.8	2.8	5.7	5.7	2.8	2.8	2.8	2.8	2.8	2.8
150°	8.5	8.5	8.5	5.7	5.7	2.8	5.7	2.8	2.8	2.8	2.8
152.5°	8.5	8.5	11.3	5.7	2.8	2.8	2.8	5.7	2.8	2.8	2.8
155°	5.7	5.7	5.7	2.8	2.8	2.8	2.8	2.8	5.7	5.7	8.5
157.5°	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8
160°	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8
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°	807.2	807.2	807.2	807.2	807.2	807.2	807.2	807.2	807.2	807.2	807.2
2.5°	801.5	807.2	810.0	818.5	818.5	818.5	798.7	750.5	750.5	753.3	756.2
5°	790.2	795.8	807.2	767.5	727.9	725.0	739.2	747.7	750.5	753.3	747.7
7.5°	699.5	710.9	705.2	708.0	727.9	747.7	764.7	753.3	725.0	705.2	710.9
10°	623.1	634.4	572.1	577.8	600.4	657.0	750.5	781.7	801.5	810.0	810.0
12.5°	546.6	555.1	501.3	580.6	540.9	628.7	730.7	807.2	730.7	699.5	699.5
15°	625.9	642.9	577.8	515.4	526.8	637.2	560.8	770.3	793.0	798.7	804.3
17.5°	535.3	523.9	535.3	543.8	591.9	495.6	642.9	725.0	679.7	662.7	671.2
20°	674.0	685.4	625.9	535.3	540.9	631.6	572.1	648.6	773.2	776.0	781.7
22.5°	512.6	526.8	560.8	637.2	557.9	611.7	603.2	674.0	631.6	634.4	657.0
25°	753.3	764.7	705.2	569.3	608.9	552.3	608.9	600.4	708.0	713.7	713.7
27.5°	923.3	897.8	770.3	642.9	535.3	583.4	549.4	572.1	546.6	623.1	634.4
30°	1098.9	1098.9	999.7	716.5	566.4	495.6	501.3	543.8	606.1	617.4	617.4
32.5°	1152.7	1149.8	1022.4	776.0	557.9	512.6	461.6	512.6	620.2	674.0	679.7
35°	1229.1	1217.8	1062.0	756.2	538.1	467.3	436.1	515.4	594.7	603.2	597.6
37.5°	1325.4	1297.1	1110.2	719.4	492.8	439.0	419.2	464.5	532.4	532.4	532.4
40°	1444.4	1399.1	1127.2	668.4	444.6	402.2	382.3	430.5	475.8	450.3	441.8
42.5°	1605.8	1537.8	1141.3	631.6	402.2	371.0	345.5	390.8	413.5	399.3	393.7
45°	1755.9	1654.0	1164.0	591.9	368.2	342.7	320.0	359.7	376.7	362.5	359.7
47.5°	1934.3	1798.4	1166.8	555.1	342.7	320.0	303.0	337.0	348.3	348.3	345.5
50°	2118.4	1937.2	1189.5	523.9	317.2	297.4	294.5	320.0	328.5	322.9	320.0
52.5°	2328.0	2092.9	1198.0	484.3	286.0	271.9	286.0	303.0	328.5	331.4	331.4
55°	2551.7	2237.4	1192.3	430.5	263.4	257.7	277.5	314.4	337.0	320.0	317.2
57.5°	2769.8	2381.8	1195.2	371.0	240.7	252.1	280.4	328.5	345.5	325.7	317.2
60°	2965.2	2512.1	1155.5	317.2	223.7	237.9	291.7	342.7	337.0	342.7	334.2
62.5°	3206.0	2648.0	1042.2	283.2	209.6	232.2	291.7	351.2	328.5	351.2	351.2
65°	3404.2	2750.0	880.8	254.9	198.2	232.2	294.5	354.0	320.0	356.8	356.8
67.5°	3489.2	2747.1	637.2	232.2	184.1	226.6	294.5	365.3	328.5	368.2	365.3
70°	3455.2	2653.7	450.3	215.2	175.6	229.4	305.9	373.8	337.0	390.8	388.0
72.5°	3225.8	2432.8	325.7	201.1	164.3	218.1	314.4	385.2	345.5	424.8	424.8
75°	2840.6	2033.5	263.4	186.9	152.9	215.2	317.2	390.8	351.2	430.5	430.5
77.5°	2172.2	1461.4	220.9	172.8	141.6	209.6	314.4	399.3	348.3	430.5	430.5
80°	1302.8	832.6	184.1	155.8	144.4	206.7	320.0	399.3	348.3	424.8	424.8
82.5°	600.4	382.3	164.3	130.3	135.9	203.9	325.7	393.7	334.2	424.8	407.8
85°	334.2	269.1	141.6	110.5	121.8	192.6	308.7	354.0	300.2	351.2	345.5
87.5°	249.2	209.6	90.6	56.6	79.3	135.9	237.9	280.4	226.6	271.9	269.1
90°	266.2	220.9	82.1	56.6	85.0	124.6	223.7	249.2	209.6	252.1	249.2
92.5°	286.0	232.2	82.1	59.5	96.3	135.9	223.7	243.6	206.7	229.4	232.2
95°	300.2	240.7	79.3	65.1	102.0	147.3	218.1	223.7	189.8	198.2	206.7
97.5°	235.1	181.3	70.8	68.0	99.1	118.9	178.4	175.6	130.3	121.8	121.8
100°	73.6	51.0	62.3	70.8	59.5	56.6	104.8	124.6	76.5	51.0	48.1
102.5°	22.7	19.8	56.6	68.0	45.3	25.5	56.6	79.3	56.6	8.5	11.3
105°	22.7	22.7	36.8	56.6	31.2	11.3	22.7	42.5	34.0	8.5	8.5
107.5°	22.7	19.8	14.2	31.2	11.3	8.5	11.3	11.3	11.3	8.5	8.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.7	22.7	11.3	11.3	8.5	8.5	5.7	5.7	8.5	19.8	19.8
115°	19.8	19.8	11.3	8.5	5.7	8.5	5.7	5.7	8.5	22.7	22.7
117.5°	22.7	22.7	11.3	8.5	5.7	5.7	5.7	2.8	8.5	25.5	28.3
120°	28.3	25.5	14.2	5.7	5.7	5.7	5.7	5.7	11.3	22.7	25.5
122.5°	28.3	28.3	14.2	5.7	2.8	2.8	2.8	5.7	11.3	22.7	25.5
125°	25.5	25.5	14.2	5.7	2.8	2.8	2.8	2.8	11.3	19.8	19.8
127.5°	22.7	22.7	11.3	5.7	2.8	2.8	2.8	2.8	8.5	17.0	19.8
130°	17.0	17.0	8.5	5.7	2.8	2.8	2.8	2.8	8.5	14.2	17.0
132.5°	14.2	14.2	8.5	5.7	2.8	2.8	2.8	2.8	8.5	11.3	14.2
135°	8.5	8.5	5.7	2.8	2.8	2.8	2.8	2.8	5.7	8.5	11.3
137.5°	5.7	5.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.7	5.7
140°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8
142.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8
145°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
147.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
150°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.7	5.7	8.5	5.7
152.5°	2.8	2.8	2.8	5.7	2.8	0.0	0.0	5.7	5.7	8.5	8.5
155°	8.5	8.5	5.7	2.8	2.8	0.0	0.0	0.0	5.7	5.7	5.7
157.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	2.8	2.8	2.8
160°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8
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°	22.7	22.7	8.5	8.5	5.7	5.7	8.5	8.5	11.3	19.8	22.7
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110°	22.7	22.7	11.3	11.3	8.5	8.5	8.5	5.7	5.7	14.2	14.2
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(END OF REPORT)