

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: P561049

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561049
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-1)
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-HSS-A
Description: Springdale
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5442.3 lumens
Efficiency: N/A
Efficacy: 66.4 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

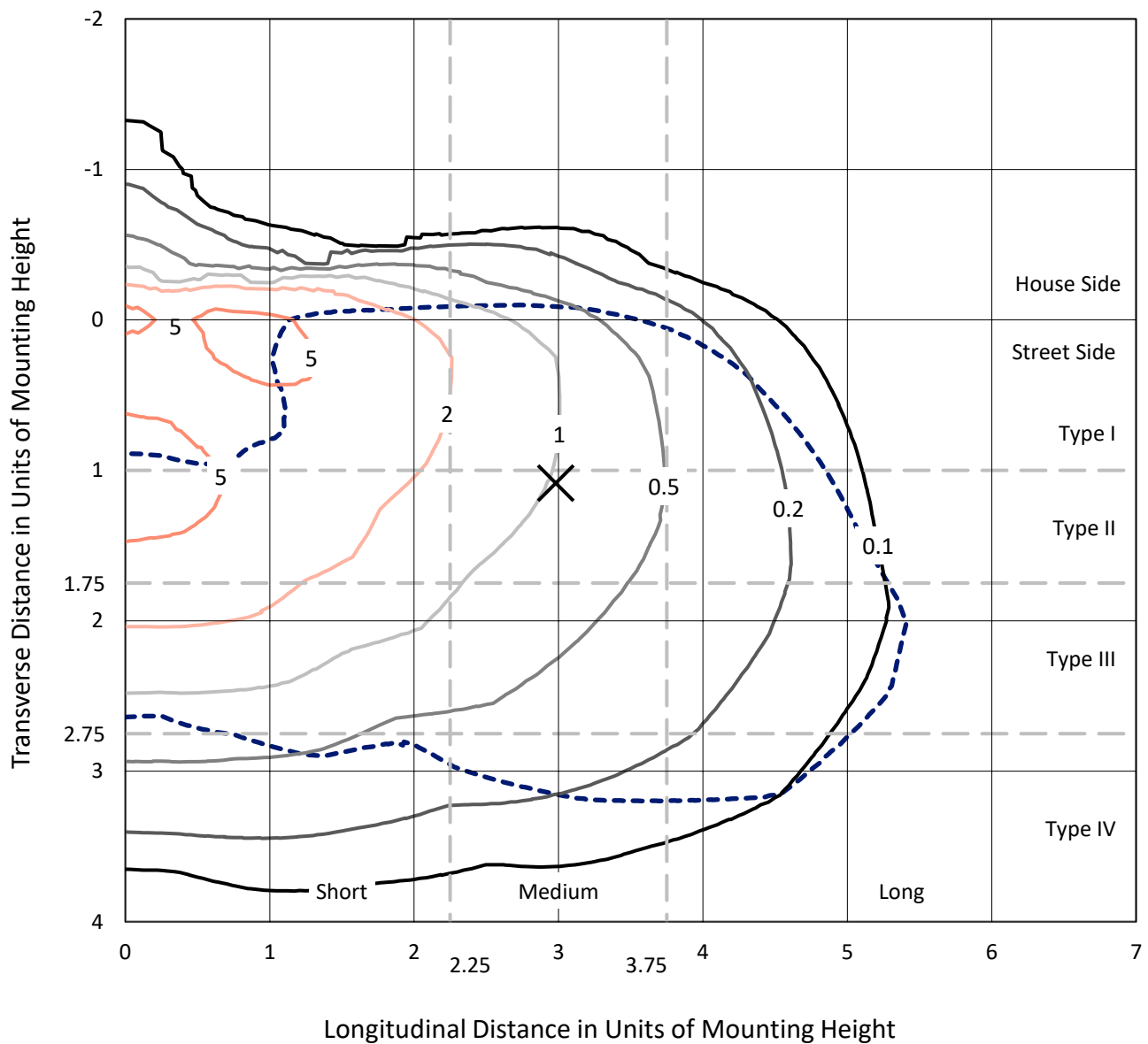


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Iso-Footcandle Lines of Horizontal Illumination

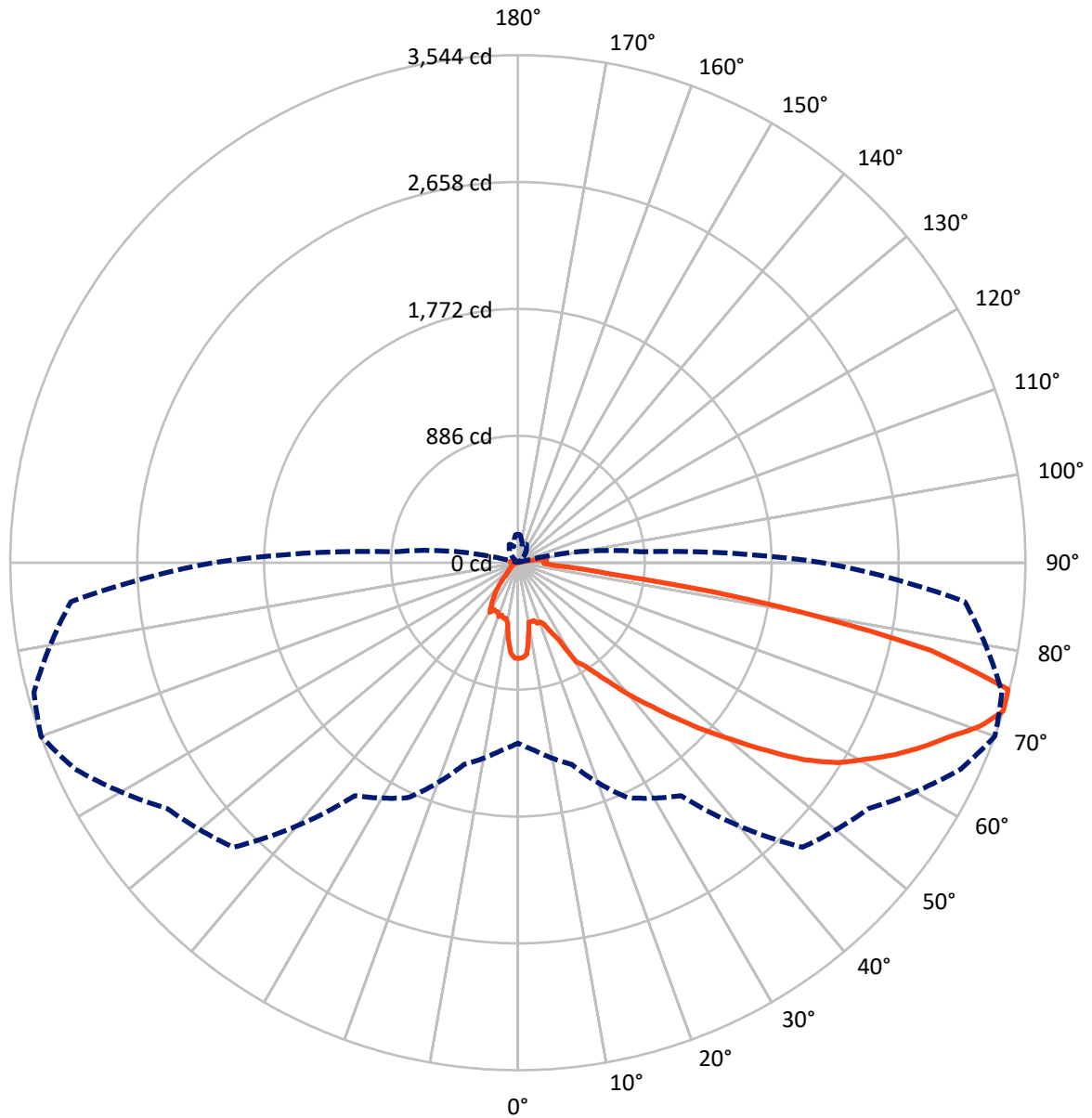
× Max cd
- - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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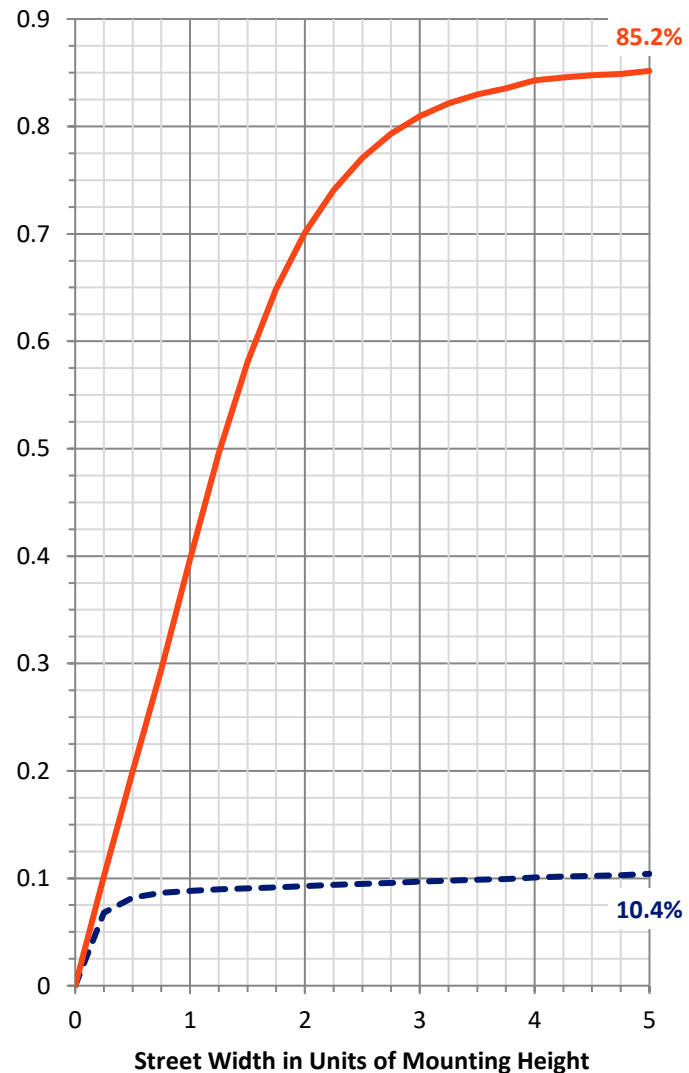
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	623.8	87.8	711.6
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	4659.7	71.0	4730.7
	% Fixture	85.6	1.3	86.9
Total	Lumens	5283.6	158.7	5442.3
	% Fixture	97.1	2.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.6	0.9
10°-20°	101.9	1.9
20°-30°	165.1	3.0
30°-40°	352.8	6.5
40°-50°	693.5	12.7
50°-60°	1158.1	21.3
60°-70°	1437.3	26.4
70°-80°	1106.9	20.3
80°-90°	216.4	4.0
90°-100°	117.4	2.2
100°-110°	24.3	0.4
110°-120°	6.9	0.1
120°-130°	5.3	0.1
130°-140°	2.5	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°	5283.6	97.1
0°-180°	5442.3	100.0



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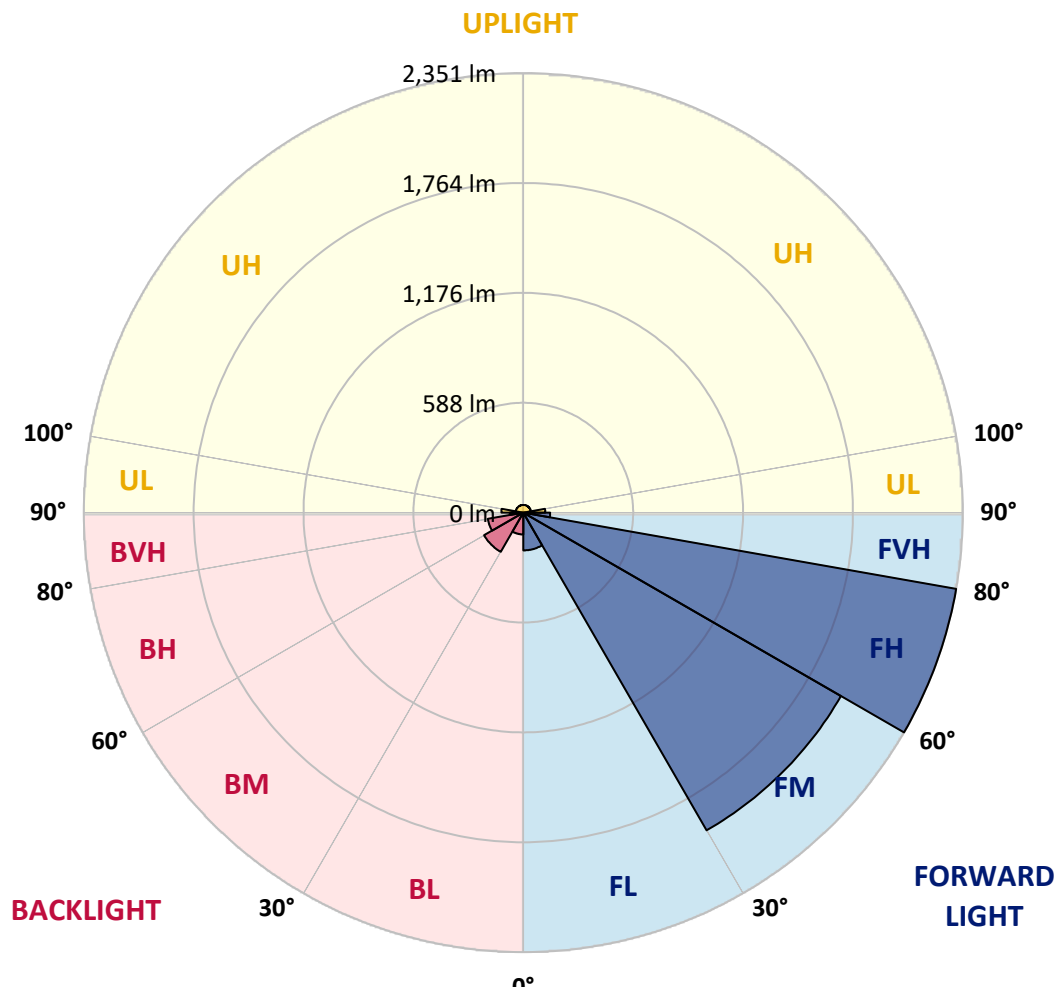
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	201.9	3.7			
FM	(30°-60°)	1962.4	36.1			
FH	(60°-80°)	2351.4	43.2			G2/5000
FVH	(80°-90°)	144.0	2.6			G2/225
BL	(0°-30°)	116.7	2.1	B1/500		
BM	(30°-60°)	241.9	4.4	B1/1000		
BH	(60°-80°)	192.8	3.5	B1/500		G1/500
BVH	(80°-90°)	72.4	1.3			G1/100
UL	(90°-100°)	117.4	2.2		U3/500	
UH	(100°-180°)	41.3	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°	55°	65°	70°	75°	85°
0°	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5
2.5°	563.7	626.0	628.8	634.5	640.2	648.7	662.8	662.8	662.8	662.8	665.7
5°	535.4	535.4	535.4	541.0	541.0	546.7	549.5	634.5	643.0	651.5	651.5
7.5°	444.7	487.2	490.0	507.0	526.9	535.4	541.0	535.4	526.9	560.9	575.0
10°	487.2	487.2	487.2	492.9	464.5	450.4	416.4	419.2	422.1	447.6	509.9
12.5°	405.1	430.6	456.0	484.4	447.6	402.2	393.7	416.4	422.1	376.7	447.6
15°	473.0	470.2	470.2	444.7	371.1	402.2	351.2	371.1	419.2	458.9	532.5
17.5°	390.9	379.6	441.9	436.2	396.6	317.3	405.1	402.2	444.7	410.7	458.9
20°	464.5	461.7	461.7	356.9	393.7	427.7	422.1	393.7	441.9	492.9	580.7
22.5°	390.9	385.2	396.6	427.7	390.9	441.9	385.2	487.2	464.5	450.4	422.1
25°	492.9	490.0	490.0	390.9	441.9	405.1	487.2	444.7	538.2	586.3	640.2
27.5°	441.9	441.9	422.1	453.2	422.1	509.9	467.4	560.9	609.0	640.2	773.3
30°	611.8	614.7	580.7	450.4	470.2	478.7	552.4	694.0	798.8	875.3	957.4
32.5°	880.9	863.9	722.3	614.7	498.5	592.0	611.8	807.3	858.3	940.4	1011.2
35°	1198.2	1189.7	1065.1	796.0	600.5	634.5	682.7	878.1	957.4	1039.6	1082.1
37.5°	1416.3	1407.8	1328.5	1014.1	725.1	739.3	745.0	977.2	1079.2	1161.4	1181.2
40°	1594.8	1580.6	1532.4	1184.0	892.3	863.9	835.6	1113.2	1229.3	1297.3	1305.8
42.5°	1863.8	1841.2	1719.4	1379.5	1062.2	1031.1	934.8	1232.2	1371.0	1461.6	1467.3
45°	2186.8	2166.9	1997.0	1651.4	1243.5	1235.0	1110.4	1385.1	1549.4	1657.1	1625.9
47.5°	2407.7	2353.9	2257.6	1912.0	1523.9	1450.3	1305.8	1540.9	1742.0	1903.5	1815.7
50°	2608.8	2569.2	2487.0	2200.9	1827.0	1727.9	1509.8	1719.4	1946.0	2093.3	1974.3
52.5°	2795.8	2736.3	2668.3	2416.2	2087.6	2039.5	1710.9	1897.8	2181.1	2302.9	2138.6
55°	2889.2	2795.8	2784.4	2611.7	2288.7	2249.1	1937.5	2118.8	2427.5	2512.5	2294.4
57.5°	2736.3	2733.5	2821.3	2730.6	2453.0	2433.2	2166.9	2356.7	2634.3	2674.0	2447.4
60°	2634.3	2637.1	2770.3	2775.9	2597.5	2608.8	2373.7	2631.5	2787.3	2812.8	2591.8
62.5°	2455.9	2475.7	2676.8	2807.1	2634.3	2775.9	2549.3	2821.3	2951.6	2960.1	2770.3
65°	2232.1	2251.9	2455.9	2722.1	2594.7	2886.4	2696.6	3033.7	3101.7	3107.4	2965.7
67.5°	1971.5	1980.0	2206.6	2501.2	2498.3	2926.1	2787.3	3175.3	3246.2	3263.1	3132.9
70°	1682.6	1671.2	1878.0	2217.9	2291.6	2906.2	2897.7	3314.1	3421.8	3418.9	3249.0
72.5°	1260.5	1314.3	1458.8	1810.0	1985.6	2809.9	2991.2	3410.4	3543.6	3498.3	3132.9
75°	430.6	458.9	849.8	1152.9	1529.6	2552.2	3011.0	3416.1	3535.1	3334.0	2563.5
77.5°	141.6	133.1	189.8	458.9	849.8	1767.5	2648.5	2979.9	2948.7	2591.8	1574.9
80°	68.0	70.8	85.0	161.5	311.6	801.6	1662.7	1886.5	1844.0	1359.6	682.7
82.5°	45.3	48.2	56.7	93.5	175.6	274.8	883.8	861.1	651.5	427.7	280.4
85°	19.8	19.8	28.3	48.2	107.6	181.3	337.1	294.6	266.3	246.4	229.4
87.5°	5.7	5.7	11.3	17.0	36.8	113.3	189.8	178.5	184.1	192.6	218.1
90°	5.7	5.7	5.7	5.7	28.3	119.0	192.6	181.3	181.3	192.6	229.4
92.5°	8.5	8.5	5.7	5.7	25.5	119.0	201.1	172.8	184.1	195.4	246.4
95°	8.5	11.3	5.7	2.8	19.8	121.8	206.8	184.1	201.1	198.3	263.4
97.5°	11.3	11.3	5.7	2.8	11.3	104.8	209.6	150.1	153.0	141.6	206.8
100°	14.2	14.2	5.7	5.7	8.5	53.8	155.8	96.3	59.5	45.3	68.0
102.5°	17.0	17.0	5.7	5.7	5.7	19.8	70.8	56.7	31.2	8.5	17.0
105°	17.0	19.8	5.7	5.7	2.8	8.5	31.2	22.7	11.3	8.5	17.0
107.5°	19.8	19.8	5.7	5.7	2.8	5.7	8.5	8.5	5.7	8.5	17.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	14.2	14.2	5.7	8.5	2.8	2.8	2.8	5.7	5.7	8.5	17.0
115°	8.5	5.7	2.8	5.7	2.8	2.8	2.8	5.7	5.7	5.7	14.2
117.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.7	5.7	8.5	17.0
120°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.7	5.7	11.3	19.8
122.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.7	11.3	22.7
125°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.7	8.5	19.8
127.5°	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8	5.7	8.5	17.0
130°	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8	2.8	5.7	11.3
132.5°	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8	2.8	5.7	11.3
135°	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8	2.8	2.8	5.7
137.5°	2.8	2.8	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8
140°	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8
142.5°	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8
145°	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8
147.5°	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
150°	5.7	5.7	5.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
152.5°	5.7	5.7	5.7	2.8	2.8	2.8	2.8	5.7	5.7	2.8	2.8
155°	2.8	2.8	2.8	0.0	0.0	2.8	2.8	2.8	2.8	5.7	5.7
157.5°	0.0	2.8	2.8	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8
160°	0.0	0.0	0.0	0.0	0.0	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°	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5	668.5
2.5°	665.7	665.7	662.8	668.5	665.7	665.7	628.8	592.0	583.5	586.3	592.0
5°	654.3	654.3	654.3	609.0	558.0	541.0	546.7	546.7	546.7	543.9	549.5
7.5°	577.8	575.0	566.5	515.5	538.2	535.4	532.5	526.9	458.9	441.9	441.9
10°	512.7	512.7	439.1	419.2	419.2	436.2	447.6	430.6	422.1	407.9	405.1
12.5°	450.4	450.4	376.7	419.2	354.1	351.2	342.7	314.4	266.3	232.3	235.1
15°	535.4	535.4	444.7	356.9	297.4	280.4	175.6	164.3	158.6	155.8	153.0
17.5°	456.0	458.9	410.7	354.1	277.6	147.3	124.6	124.6	124.6	119.0	107.6
20°	577.8	577.8	478.7	317.3	209.6	116.1	96.3	85.0	116.1	116.1	116.1
22.5°	419.2	413.6	422.1	322.9	130.3	93.5	79.3	99.1	104.8	87.8	87.8
25°	634.5	626.0	512.7	232.3	107.6	73.6	87.8	76.5	99.1	99.1	99.1
27.5°	781.8	725.1	521.2	212.4	79.3	85.0	70.8	85.0	76.5	73.6	73.6
30°	940.4	914.9	628.8	167.1	76.5	70.8	73.6	68.0	79.3	73.6	73.6
32.5°	991.4	965.9	569.4	130.3	73.6	68.0	62.3	65.1	62.3	65.1	65.1
35°	1056.6	1031.1	504.2	99.1	68.0	59.5	56.7	56.7	53.8	51.0	51.0
37.5°	1150.0	1107.5	430.6	85.0	62.3	53.8	45.3	42.5	45.3	56.7	59.5
40°	1257.7	1186.9	339.9	76.5	53.8	45.3	34.0	39.7	48.2	48.2	48.2
42.5°	1413.5	1283.2	252.1	70.8	48.2	36.8	25.5	31.2	36.8	51.0	51.0
45°	1549.4	1339.8	178.5	65.1	39.7	28.3	19.8	31.2	39.7	45.3	45.3
47.5°	1708.1	1393.6	133.1	62.3	36.8	19.8	22.7	31.2	31.2	48.2	48.2
50°	1841.2	1405.0	107.6	56.7	28.3	14.2	28.3	28.3	34.0	42.5	42.5
52.5°	1965.8	1416.3	96.3	51.0	22.7	11.3	28.3	28.3	39.7	51.0	51.0
55°	2048.0	1382.3	87.8	45.3	19.8	8.5	31.2	31.2	31.2	39.7	39.7
57.5°	2113.1	1339.8	82.1	39.7	17.0	17.0	34.0	39.7	34.0	39.7	39.7
60°	2155.6	1263.3	70.8	36.8	14.2	17.0	42.5	51.0	39.7	59.5	59.5
62.5°	2232.1	1203.9	62.3	34.0	11.3	17.0	42.5	65.1	51.0	79.3	82.1
65°	2294.4	1150.0	53.8	25.5	11.3	22.7	48.2	82.1	62.3	99.1	102.0
67.5°	2319.9	1084.9	45.3	22.7	11.3	25.5	62.3	102.0	79.3	116.1	116.1
70°	2300.1	1016.9	36.8	22.7	11.3	39.7	82.1	119.0	96.3	141.6	144.5
72.5°	2127.3	866.8	28.3	22.7	8.5	42.5	102.0	141.6	116.1	192.6	198.3
75°	1628.7	549.5	28.3	22.7	11.3	48.2	119.0	164.3	138.8	215.3	223.8
77.5°	994.2	254.9	28.3	25.5	14.2	59.5	130.3	189.8	153.0	232.3	237.9
80°	441.9	158.6	28.3	28.3	28.3	73.6	153.0	209.6	172.8	246.4	254.9
82.5°	220.9	119.0	25.5	28.3	42.5	87.8	181.3	223.8	178.5	254.9	257.8
85°	189.8	107.6	25.5	31.2	45.3	102.0	195.4	226.6	187.0	252.1	254.9
87.5°	181.3	102.0	31.2	31.2	51.0	107.6	201.1	237.9	192.6	243.6	240.8
90°	189.8	99.1	34.0	36.8	65.1	110.5	203.9	232.3	192.6	229.4	229.4
92.5°	195.4	96.3	36.8	42.5	79.3	124.6	201.1	226.6	192.6	212.4	212.4
95°	201.1	96.3	42.5	48.2	79.3	136.0	192.6	206.8	178.5	189.8	187.0
97.5°	153.0	70.8	51.0	53.8	73.6	104.8	155.8	161.5	116.1	113.3	110.5
100°	53.8	31.2	51.0	59.5	45.3	45.3	93.5	113.3	68.0	42.5	48.2
102.5°	17.0	14.2	45.3	59.5	36.8	17.0	48.2	70.8	51.0	5.7	5.7
105°	17.0	17.0	25.5	48.2	25.5	5.7	17.0	39.7	31.2	5.7	5.7
107.5°	17.0	14.2	11.3	28.3	8.5	5.7	8.5	8.5	8.5	2.8	5.7



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CANDELA DISTRIBUTION (continued):

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