

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: P559941

Luminaire Tested: **SDL-PA1-100-830-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559941
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-PA1-100-830-U-T2R-HSS-A
Description: Springdale
(1) 80 CRI, 3000K, 1200mA 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: 6234.1 lumens
Efficiency: N/A
Efficacy: 66.5 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 - G2

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



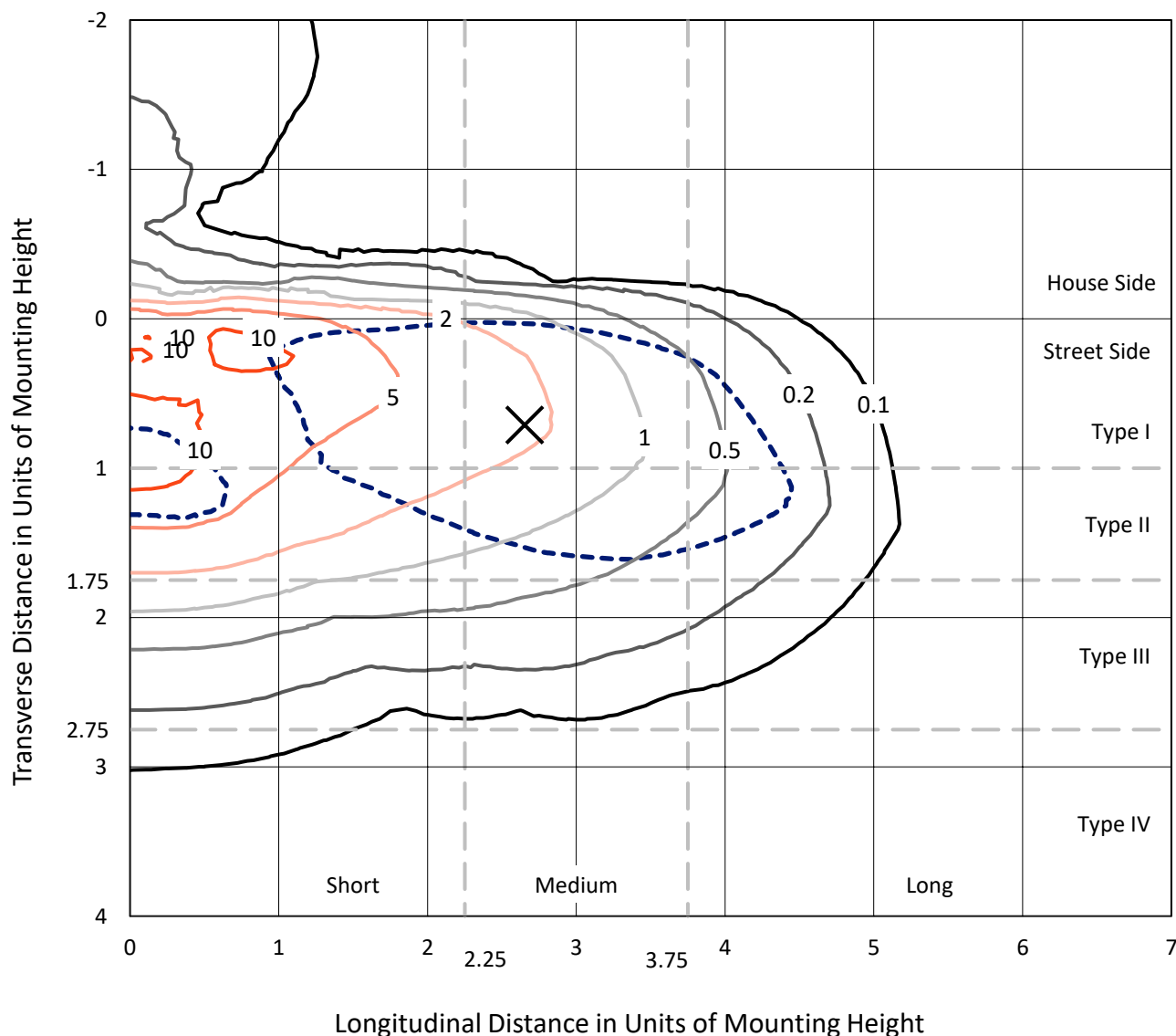
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

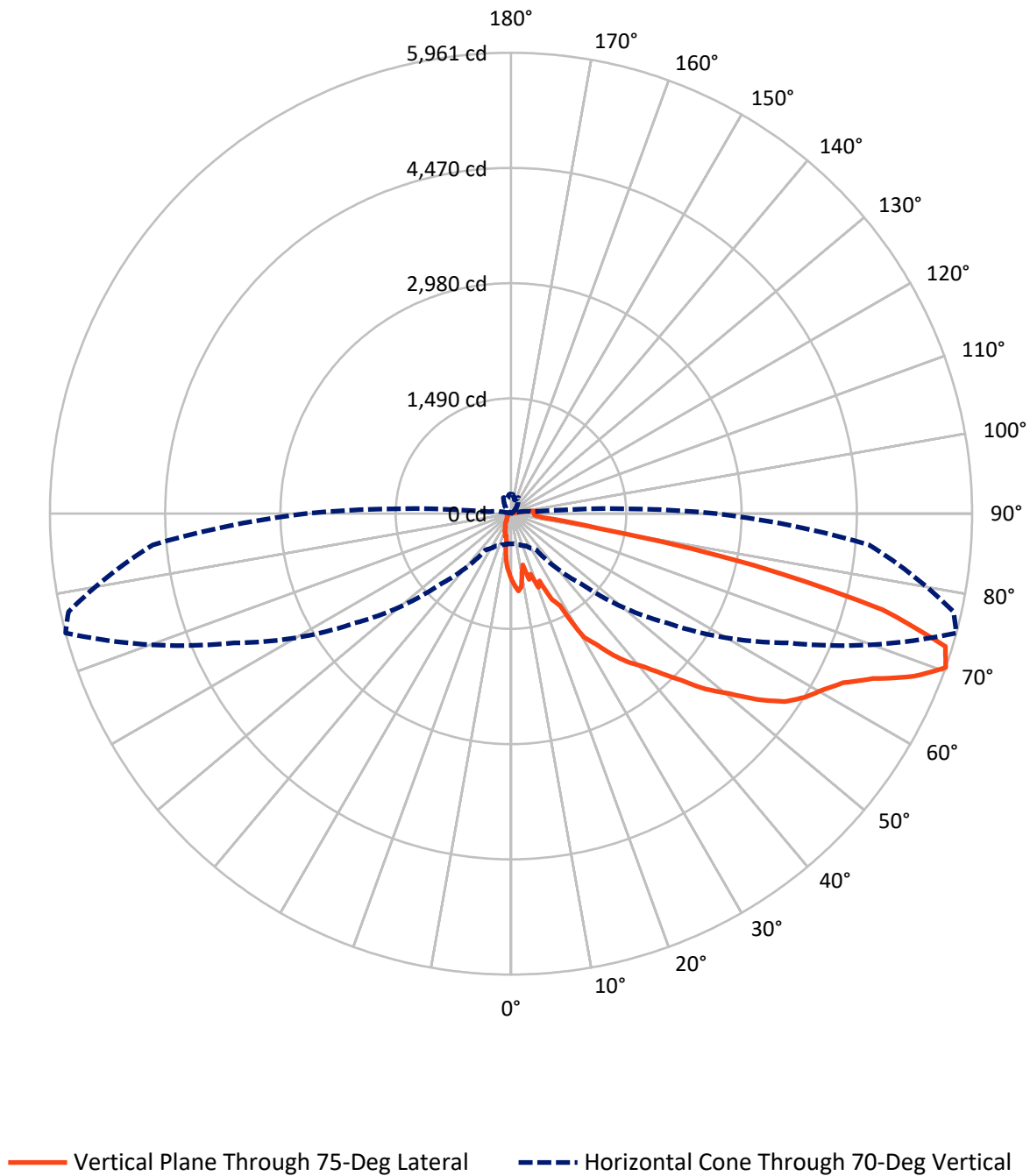


Based on 10 foot mounting height. Maximum calculated value = 15.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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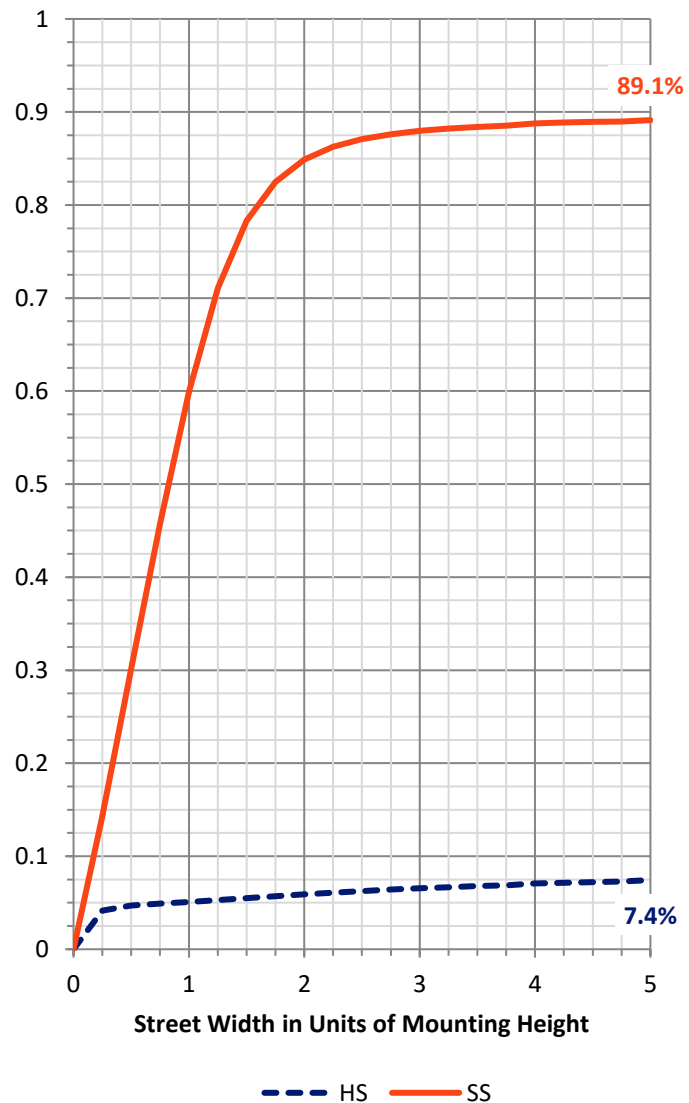
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	508.0	63.1	571.1
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	5583.5	79.5	5663.0
	% Fixture	89.6	1.3	90.8
Total	Lumens	6091.5	142.6	6234.1
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.3	1.1
10°-20°	164.4	2.6
20°-30°	308.5	4.9
30°-40°	692.3	11.1
40°-50°	1139.4	18.3
50°-60°	1396.7	22.4
60°-70°	1308.1	21.0
70°-80°	851.9	13.7
80°-90°	162.7	2.6
90°-100°	93.4	1.5
100°-110°	21.0	0.3
110°-120°	10.7	0.2
120°-130°	9.0	0.1
130°-140°	4.4	0.1
140°-150°	2.2	0.0
150°-160°	1.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6091.5	97.7
0°-180°	6234.1	100.0

Coefficient of Utilization



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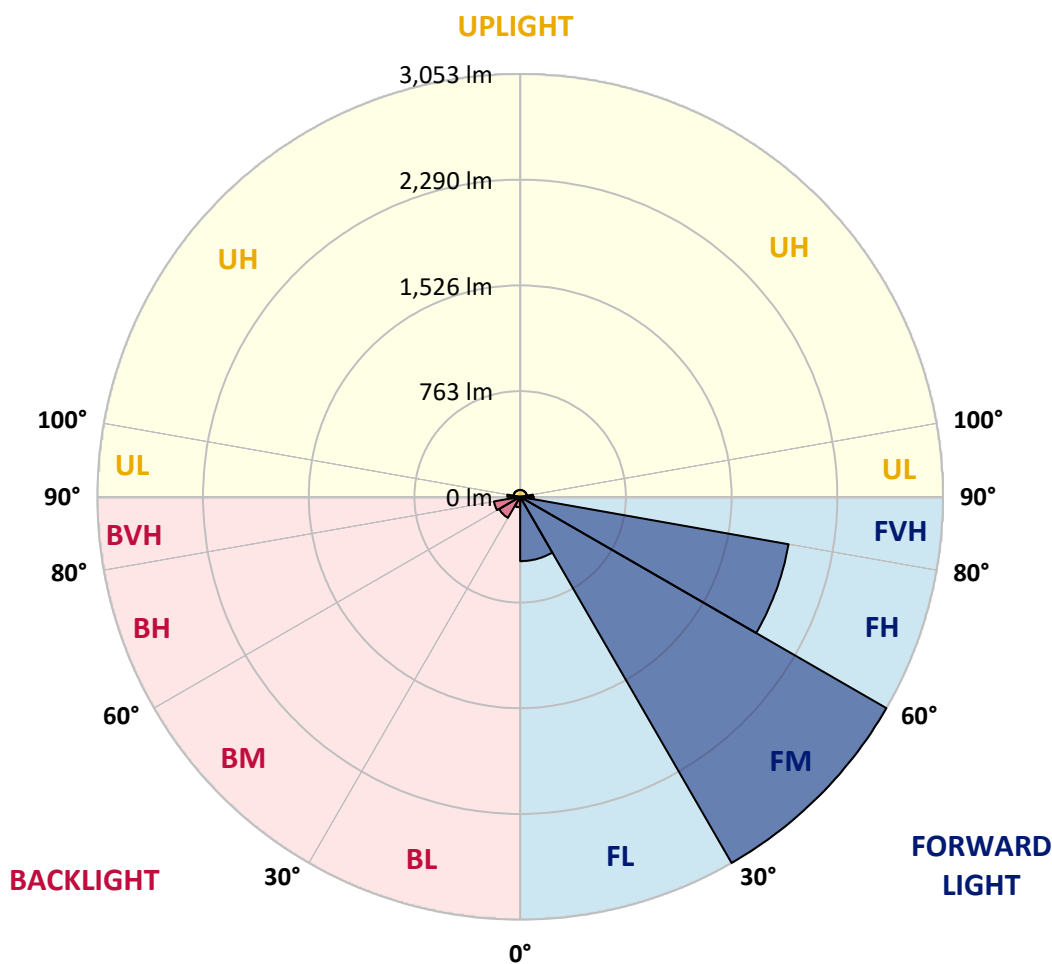
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	464.4	7.4			
FM	(30°-60°)	3052.9	49.0			
FH	(60°-80°)	1967.7	31.6			G2/5000
FVH	(80°-90°)	98.5	1.6			G1/100
BL	(0°-30°)	75.9	1.2	B0/110		
BM	(30°-60°)	175.6	2.8	B0/220		
BH	(60°-80°)	192.3	3.1	B1/500		G1/500
BVH	(80°-90°)	64.2	1.0			G1/100
UL	(90°-100°)	93.4	1.5		U3/500	
UH	(100°-180°)	49.3	0.8		U2/50	

BUG Rating: B1-U3-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	848.1	848.1	848.1	848.1	848.1	848.1	848.1	848.1	848.1	848.1	848.1
2.5°	946.3	1005.8	1023.7	1053.4	1068.3	1050.5	1017.7	976.1	931.4	919.5	880.8
5°	1074.3	1062.4	1053.4	1053.4	1035.6	996.9	961.2	1071.3	1002.8	988.0	910.6
7.5°	976.1	1068.3	1136.7	1142.7	1133.8	1104.0	1053.4	940.3	955.2	937.4	842.1
10°	1181.4	1184.4	1172.5	1181.4	1098.1	1056.4	892.7	824.3	770.7	842.1	755.8
12.5°	979.0	1124.8	1208.2	1237.9	1133.8	996.9	913.6	877.9	681.5	663.6	684.4
15°	1196.3	1202.2	1211.1	1181.4	919.5	1044.5	848.1	782.6	883.8	860.0	845.1
17.5°	946.3	958.2	1160.6	1148.7	1065.3	827.3	1008.8	898.7	821.3	791.6	770.7
20°	1205.2	1208.2	1205.2	913.6	993.9	1112.9	949.3	919.5	1017.7	1005.8	952.3
22.5°	1011.8	1011.8	1080.2	1172.5	1044.5	1115.9	967.1	1145.7	946.3	940.3	708.2
25°	1398.6	1398.6	1351.0	1035.6	1184.4	1050.5	1148.7	1029.6	1223.0	1181.4	1062.4
27.5°	1359.9	1318.3	1243.9	1306.4	1145.7	1315.3	1112.9	1255.8	1348.0	1386.7	1324.2
30°	1889.6	1889.6	1809.3	1398.6	1342.1	1270.7	1285.5	1502.8	1848.0	1853.9	1601.0
32.5°	2559.2	2511.6	2086.0	1803.3	1467.1	1595.0	1452.2	1767.6	2008.7	1999.7	1702.1
35°	2832.9	2818.1	2687.1	2214.0	1699.2	1746.8	1636.7	1868.8	2225.9	2166.4	1824.2
37.5°	3112.7	3088.9	2955.0	2446.1	1943.2	2005.7	1773.6	2017.6	2425.3	2339.0	1958.1
40°	3285.3	3288.2	3193.0	2630.6	2136.6	2169.3	1937.2	2199.1	2586.0	2603.8	2074.1
42.5°	3466.8	3463.8	3386.4	2847.8	2297.3	2339.0	2068.2	2371.7	2803.2	2824.0	2270.5
45°	3565.0	3559.0	3514.4	2996.6	2425.3	2455.0	2270.5	2583.0	3068.0	3062.1	2431.2
47.5°	3588.8	3597.7	3594.7	3142.4	2559.2	2571.1	2452.0	2737.7	3389.4	3324.0	2642.5
50°	3454.9	3460.8	3502.5	3258.5	2657.4	2669.3	2594.9	2913.3	3660.2	3582.8	2832.9
52.5°	3082.9	3118.6	3294.2	3187.1	2699.0	2743.7	2728.8	3047.2	3990.5	3895.3	3068.0
55°	2291.4	2374.7	2776.4	2919.2	2678.2	2746.6	2847.8	3291.2	4291.1	4175.0	3258.5
57.5°	1827.1	1842.0	2080.1	2472.9	2508.6	2731.8	2972.8	3440.0	4478.6	4362.5	3395.4
60°	1443.3	1467.1	1621.8	1937.2	2190.2	2642.5	3008.5	3591.8	4627.3	4529.1	3547.1
62.5°	1118.9	1115.9	1235.0	1446.2	1764.6	2455.0	2960.9	3684.0	4817.8	4743.4	3817.9
65°	779.7	779.7	880.8	1050.5	1336.1	2118.8	2865.7	3815.0	5142.2	5121.3	4154.2
67.5°	532.7	544.6	613.0	696.3	916.5	1723.0	2722.8	3948.9	5615.3	5517.1	4478.6
70°	389.8	389.8	416.6	461.2	571.4	1285.5	2466.9	3951.8	5960.5	5859.3	4648.2
72.5°	288.7	288.7	309.5	330.3	360.1	854.0	2023.5	3701.9	5871.2	5710.5	4303.0
75°	151.8	151.8	235.1	244.0	241.0	553.5	1493.8	3041.3	4963.6	4695.8	3368.6
77.5°	119.0	122.0	133.9	190.5	175.6	363.0	833.2	1871.8	3207.9	2880.6	1824.2
80°	86.3	83.3	104.2	122.0	104.2	211.3	392.8	821.3	1136.7	985.0	601.1
82.5°	50.6	53.6	62.5	89.3	89.3	148.8	255.9	360.1	407.7	404.7	360.1
85°	6.0	8.9	32.7	59.5	53.6	86.3	214.3	250.0	321.4	327.3	321.4
87.5°	6.0	6.0	8.9	11.9	14.9	56.5	181.5	217.2	297.6	318.4	321.4
90°	11.9	8.9	6.0	6.0	8.9	44.6	169.6	223.2	315.4	321.4	336.3
92.5°	14.9	11.9	6.0	3.0	8.9	35.7	160.7	223.2	327.3	348.2	363.0
95°	20.8	17.9	6.0	3.0	8.9	29.8	136.9	211.3	342.2	377.9	392.8
97.5°	26.8	23.8	6.0	6.0	8.9	23.8	107.1	166.6	226.2	255.9	276.7
100°	29.8	29.8	6.0	6.0	8.9	14.9	53.6	92.2	71.4	68.4	77.4
102.5°	32.7	32.7	6.0	6.0	6.0	8.9	17.9	38.7	14.9	14.9	23.8
105°	32.7	32.7	6.0	6.0	6.0	6.0	6.0	14.9	11.9	14.9	26.8
107.5°	29.8	32.7	6.0	8.9	8.9	6.0	6.0	6.0	11.9	17.9	26.8
110°	26.8	26.8	6.0	8.9	8.9	6.0	3.0	6.0	11.9	17.9	29.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	20.8	14.9	3.0	8.9	6.0	6.0	3.0	6.0	14.9	20.8	29.8
115°	8.9	6.0	3.0	6.0	6.0	6.0	3.0	6.0	14.9	23.8	29.8
117.5°	6.0	3.0	3.0	3.0	3.0	6.0	3.0	8.9	20.8	26.8	35.7
120°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	8.9	26.8	29.8	41.7
122.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0	26.8	29.8	41.7
125°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0	20.8	26.8	35.7
127.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0	14.9	20.8	29.8
130°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	14.9	17.9	23.8
132.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	8.9	11.9	17.9
135°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0	6.0	11.9
137.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
140°	3.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
142.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
145°	3.0	3.0	3.0	3.0	6.0	3.0	3.0	3.0	3.0	3.0	3.0
147.5°	3.0	3.0	3.0	6.0	6.0	6.0	3.0	3.0	3.0	3.0	3.0
150°	6.0	8.9	14.9	11.9	6.0	3.0	6.0	3.0	3.0	3.0	3.0
152.5°	14.9	14.9	11.9	11.9	3.0	3.0	6.0	6.0	3.0	3.0	3.0
155°	11.9	11.9	8.9	3.0	3.0	3.0	3.0	6.0	8.9	11.9	8.9
157.5°	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
160°	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	848.1	848.1	848.1	848.1	848.1	848.1	848.1	848.1	848.1	848.1	848.1
2.5°	851.1	821.3	755.8	705.3	651.7	621.9	565.4	517.8	482.1	476.1	476.1
5°	851.1	791.6	675.5	550.5	434.5	374.9	342.2	321.4	306.5	300.6	297.6
7.5°	761.8	684.4	529.7	383.9	333.3	279.7	241.0	211.3	184.5	175.6	166.6
10°	666.6	571.4	360.1	264.8	211.3	175.6	157.7	148.8	139.9	136.9	136.9
12.5°	592.2	494.0	288.7	217.2	148.8	125.0	119.0	113.1	110.1	107.1	104.2
15°	723.1	592.2	300.6	148.8	104.2	89.3	83.3	86.3	92.2	92.2	92.2
17.5°	669.6	520.8	250.0	113.1	86.3	65.5	71.4	77.4	83.3	74.4	71.4
20°	800.5	613.0	244.0	89.3	71.4	65.5	62.5	53.6	68.4	68.4	68.4
22.5°	580.3	464.2	184.5	83.3	59.5	56.5	47.6	53.6	56.5	47.6	47.6
25°	860.0	604.1	181.5	65.5	59.5	44.6	47.6	38.7	47.6	47.6	47.6
27.5°	1065.3	714.2	160.7	68.4	50.6	44.6	35.7	38.7	35.7	35.7	35.7
30°	1267.7	803.5	145.8	68.4	47.6	35.7	32.7	29.8	35.7	35.7	35.7
32.5°	1327.2	782.6	116.1	71.4	44.6	32.7	26.8	29.8	29.8	32.7	32.7
35°	1395.6	764.8	98.2	62.5	41.7	29.8	23.8	26.8	29.8	32.7	32.7
37.5°	1461.1	735.0	89.3	56.5	35.7	26.8	20.8	23.8	62.5	68.4	68.4
40°	1544.4	699.3	83.3	50.6	29.8	20.8	17.9	47.6	56.5	65.5	65.5
42.5°	1663.5	678.5	77.4	47.6	26.8	17.9	17.9	41.7	80.3	89.3	89.3
45°	1761.7	642.8	74.4	41.7	23.8	14.9	29.8	56.5	65.5	83.3	80.3
47.5°	1883.7	610.0	71.4	38.7	20.8	14.9	32.7	59.5	83.3	95.2	95.2
50°	2014.6	592.2	68.4	35.7	20.8	14.9	56.5	56.5	68.4	107.1	107.1
52.5°	2181.2	580.3	62.5	29.8	17.9	29.8	77.4	68.4	83.3	110.1	110.1
55°	2261.6	541.6	59.5	26.8	14.9	29.8	83.3	77.4	86.3	116.1	116.1
57.5°	2333.0	502.9	53.6	26.8	14.9	38.7	89.3	98.2	83.3	101.2	113.1
60°	2398.5	464.2	47.6	23.8	14.9	47.6	98.2	136.9	116.1	136.9	136.9
62.5°	2550.2	434.5	41.7	26.8	11.9	53.6	128.0	166.6	130.9	166.6	163.7
65°	2693.1	398.8	38.7	23.8	14.9	62.5	139.9	193.4	142.8	193.4	193.4
67.5°	2749.6	354.1	35.7	23.8	14.9	71.4	139.9	214.3	169.6	217.2	220.2
70°	2651.4	291.6	32.7	26.8	17.9	80.3	145.8	229.1	181.5	252.9	252.9
72.5°	2252.7	199.4	32.7	29.8	35.7	89.3	172.6	238.1	190.5	303.5	306.5
75°	1681.3	113.1	35.7	32.7	38.7	101.2	190.5	247.0	199.4	306.5	306.5
77.5°	958.2	77.4	35.7	38.7	47.6	101.2	199.4	255.9	196.4	300.6	294.6
80°	333.3	56.5	35.7	44.6	59.5	101.2	202.4	252.9	190.5	279.7	279.7
82.5°	226.2	47.6	35.7	44.6	71.4	107.1	199.4	238.1	169.6	235.1	226.2
85°	211.3	38.7	38.7	47.6	77.4	107.1	181.5	205.3	142.8	175.6	172.6
87.5°	208.3	35.7	44.6	50.6	83.3	98.2	154.7	169.6	116.1	142.8	139.9
90°	217.2	35.7	47.6	53.6	77.4	80.3	125.0	142.8	95.2	113.1	110.1
92.5°	232.1	35.7	50.6	59.5	68.4	59.5	101.2	113.1	80.3	86.3	83.3
95°	247.0	35.7	56.5	62.5	56.5	44.6	77.4	92.2	65.5	62.5	62.5
97.5°	163.7	26.8	59.5	62.5	47.6	32.7	59.5	71.4	38.7	32.7	32.7
100°	53.6	20.8	62.5	65.5	44.6	23.8	50.6	53.6	29.8	14.9	14.9
102.5°	23.8	20.8	56.5	56.5	38.7	17.9	35.7	38.7	20.8	6.0	6.0
105°	20.8	11.9	32.7	41.7	26.8	8.9	17.9	20.8	11.9	6.0	6.0
107.5°	23.8	11.9	17.9	23.8	11.9	8.9	8.9	8.9	6.0	6.0	6.0
110°	23.8	11.9	8.9	14.9	11.9	8.9	6.0	6.0	6.0	8.9	8.9

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	26.8	11.9	8.9	11.9	8.9	8.9	6.0	6.0	11.9	20.8	20.8
115°	26.8	11.9	8.9	11.9	8.9	8.9	6.0	3.0	11.9	29.8	32.7
117.5°	29.8	14.9	6.0	8.9	6.0	6.0	6.0	3.0	14.9	38.7	38.7
120°	35.7	14.9	6.0	6.0	6.0	3.0	6.0	6.0	14.9	41.7	41.7
122.5°	35.7	17.9	6.0	6.0	6.0	3.0	3.0	6.0	17.9	38.7	41.7
125°	29.8	14.9	6.0	6.0	6.0	3.0	3.0	6.0	17.9	35.7	41.7
127.5°	23.8	14.9	6.0	6.0	6.0	3.0	3.0	6.0	17.9	29.8	32.7
130°	20.8	11.9	6.0	6.0	6.0	3.0	3.0	6.0	14.9	23.8	26.8
132.5°	14.9	8.9	6.0	6.0	6.0	3.0	3.0	3.0	14.9	23.8	23.8
135°	11.9	8.9	6.0	6.0	6.0	3.0	3.0	3.0	11.9	17.9	17.9
137.5°	6.0	3.0	6.0	6.0	6.0	3.0	3.0	3.0	8.9	8.9	8.9
140°	3.0	3.0	3.0	6.0	3.0	3.0	3.0	3.0	3.0	6.0	3.0
142.5°	3.0	3.0	3.0	6.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
145°	3.0	3.0	3.0	6.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
147.5°	3.0	3.0	3.0	6.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
150°	3.0	3.0	3.0	6.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
152.5°	3.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0	3.0
155°	6.0	6.0	3.0	6.0	3.0	3.0	0.0	3.0	3.0	3.0	3.0
157.5°	3.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0	3.0
160°	3.0	3.0	3.0	3.0	3.0	3.0	0.0	3.0	3.0	3.0	3.0
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

(END OF REPORT)