

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: P560119

Luminaire Tested: **SDL-PA1-20-830-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560119
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-20)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-20-830-U-T2R
Description: Springdale
(1) 80 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2169.4 lumens
Efficiency: N/A
Efficacy: 103.3 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: B0 - U0 - G1

Input Watts (W): 21
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

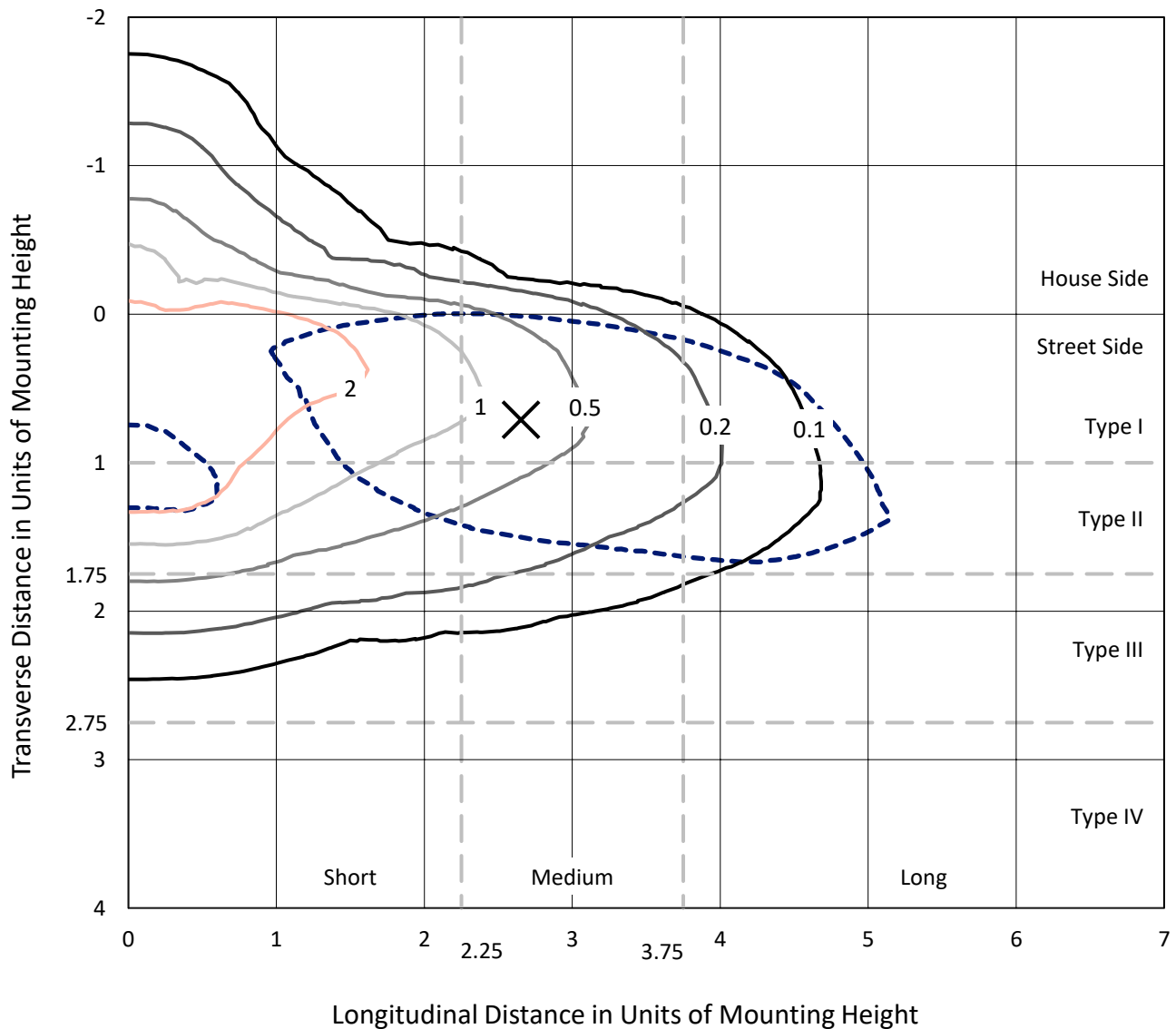


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

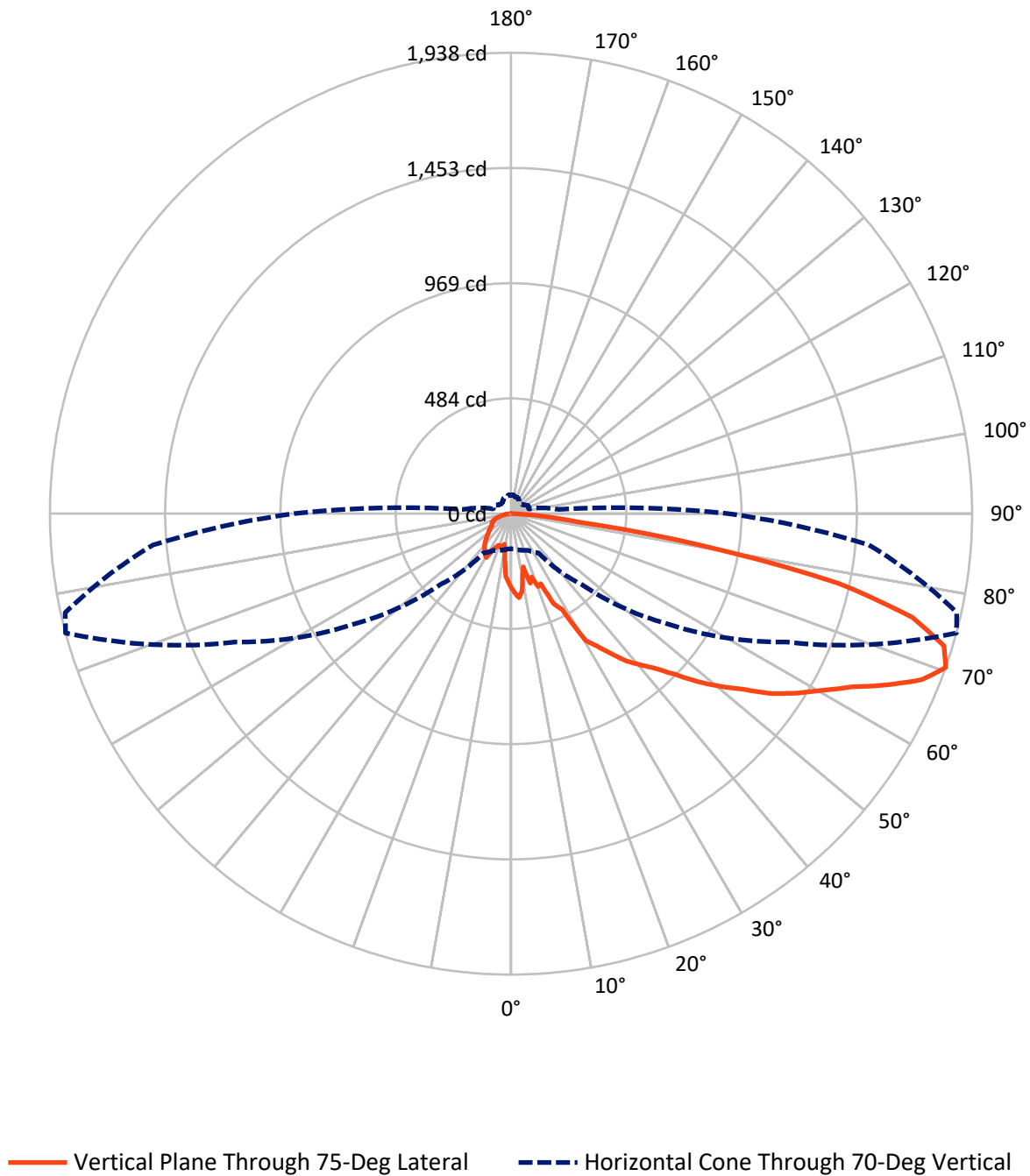


Based on 10 foot mounting height. Maximum calculated value = 4.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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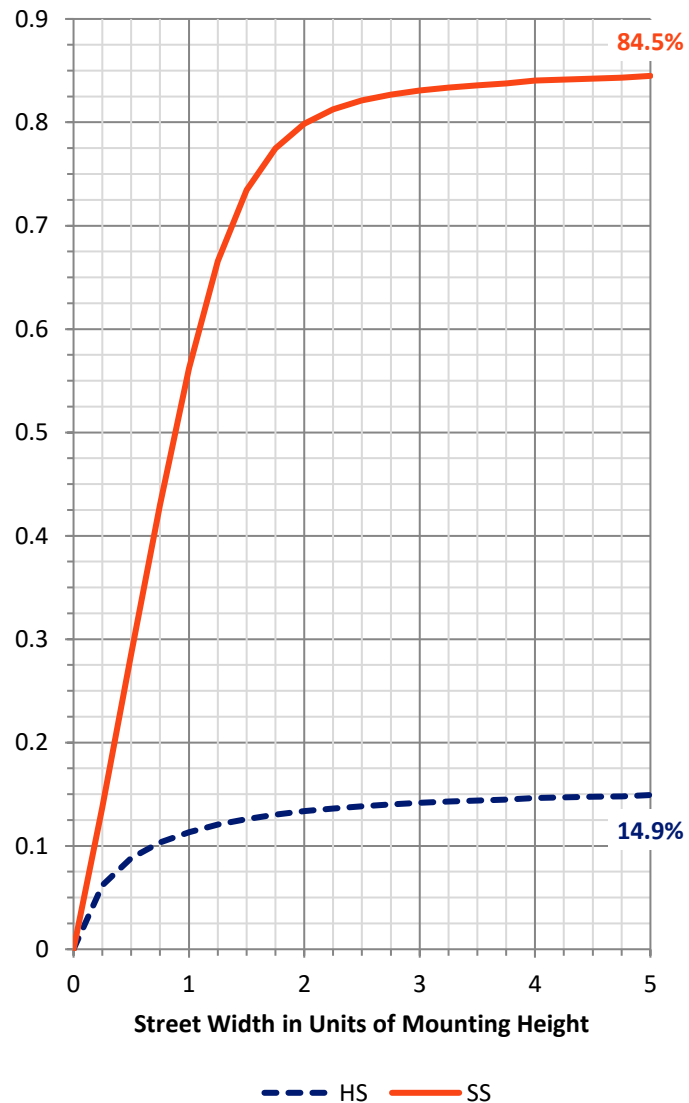
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	330.0	0.0	330.0
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	1839.4	0.0	1839.4
	% Fixture	84.8	0.0	84.8
Total	Lumens	2169.4	0.0	2169.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.9	1.2
10°-20°	68.9	3.2
20°-30°	126.0	5.8
30°-40°	255.8	11.8
40°-50°	392.6	18.1
50°-60°	473.2	21.8
60°-70°	457.7	21.1
70°-80°	317.5	14.6
80°-90°	51.8	2.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2169.4	100.0
0°-180°	2169.4	100.0

Coefficient of Utilization



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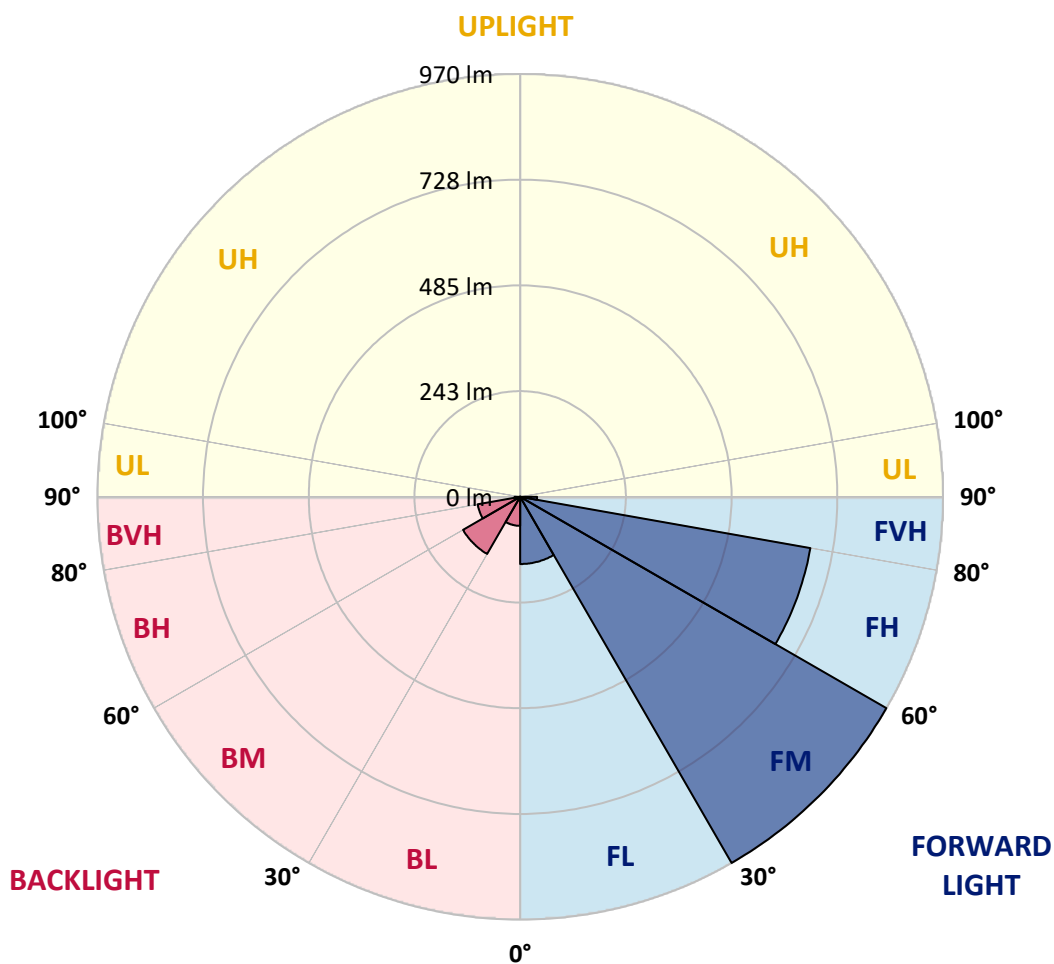
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	154.2	7.1			
FM	(30°-60°)	970.2	44.7			
FH	(60°-80°)	676.1	31.2			G1/1800
FVH	(80°-90°)	38.8	1.8			G1/100
BL	(0°-30°)	66.6	3.1	B0/110		
BM	(30°-60°)	151.4	7.0	B0/220		
BH	(60°-80°)	99.0	4.6	B0/110		G0/110
BVH	(80°-90°)	13.0	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	313.5	313.5	313.5	313.5	313.5	313.5	313.5	313.5	313.5	313.5	313.5
2.5°	325.5	356.6	341.4	359.0	367.8	362.2	357.4	345.4	335.1	331.1	320.7
5°	359.0	358.2	354.2	352.6	345.4	336.6	329.5	369.4	355.0	347.8	329.5
7.5°	318.3	345.4	365.4	375.7	375.7	365.4	354.2	305.5	330.3	323.9	297.6
10°	399.7	399.7	398.9	399.7	327.9	345.4	296.8	276.0	267.2	288.0	267.2
12.5°	339.8	369.4	402.9	414.8	382.1	326.3	303.9	292.0	229.0	224.2	236.9
15°	399.7	402.1	405.3	356.6	303.1	346.2	264.9	262.5	303.1	296.0	299.2
17.5°	320.7	323.9	393.3	384.5	352.6	262.5	330.3	295.2	280.0	270.4	269.6
20°	404.5	406.1	405.3	303.9	325.5	357.4	342.2	260.1	326.3	330.3	334.3
22.5°	342.2	343.0	347.0	386.9	329.5	372.5	308.7	387.7	319.9	329.5	248.9
25°	460.3	460.3	445.9	348.6	398.9	339.8	375.7	333.5	419.6	408.4	374.1
27.5°	429.2	426.0	409.2	431.6	359.8	430.0	371.7	418.8	455.5	439.6	453.9
30°	603.1	607.1	585.5	448.3	438.0	412.4	428.4	496.2	619.8	611.1	545.7
32.5°	807.3	769.8	671.7	580.8	478.6	503.4	478.6	585.5	663.7	665.3	577.6
35°	906.2	903.0	860.8	685.3	550.4	550.4	536.9	611.1	720.4	710.0	611.9
37.5°	985.2	980.4	950.9	774.6	615.1	611.9	568.0	650.2	785.0	758.7	649.4
40°	1052.2	1045.8	1020.3	836.8	685.3	670.1	606.3	694.8	835.2	837.6	685.3
42.5°	1096.9	1094.5	1076.2	893.5	743.5	716.4	657.3	752.3	888.7	902.3	729.9
45°	1132.0	1131.2	1115.2	955.7	785.0	758.7	711.6	795.4	962.1	970.1	777.8
47.5°	1136.0	1139.2	1139.2	986.8	813.7	796.2	767.4	833.6	1055.4	1038.7	833.6
50°	1094.5	1097.7	1117.6	1038.7	838.4	827.3	815.3	879.9	1140.8	1116.0	892.7
52.5°	988.4	995.6	1049.8	1013.1	851.2	850.4	860.0	939.7	1227.7	1201.4	970.9
55°	760.3	765.0	899.9	938.1	847.2	856.0	893.5	1013.9	1335.4	1312.3	1053.0
57.5°	580.8	594.3	678.9	796.2	803.3	851.2	915.0	1065.8	1422.4	1399.2	1128.8
60°	467.5	477.1	526.5	629.4	709.2	830.5	944.5	1130.4	1506.9	1495.8	1210.2
62.5°	366.2	372.5	406.9	474.7	576.0	781.8	962.9	1200.6	1604.3	1598.7	1316.3
65°	262.5	268.8	299.2	343.8	445.1	690.1	954.1	1267.6	1735.1	1729.5	1419.2
67.5°	191.5	193.1	213.0	243.3	315.9	558.4	911.0	1309.9	1862.7	1851.6	1498.2
70°	147.6	149.2	158.8	169.9	201.8	422.8	810.5	1278.0	1937.7	1918.6	1510.1
72.5°	119.7	119.7	123.7	129.2	138.0	276.0	636.6	1152.7	1902.6	1865.1	1410.4
75°	100.5	100.5	102.9	101.3	96.5	172.3	442.7	962.9	1742.3	1695.2	1227.7
77.5°	84.6	83.8	83.8	84.6	75.0	117.3	270.4	741.9	1408.0	1362.5	910.2
80°	69.4	69.4	69.4	69.4	61.4	83.8	161.1	492.2	808.9	706.0	417.2
82.5°	51.1	51.9	54.2	54.2	51.1	61.4	83.8	205.8	276.8	244.9	147.6
85°	23.9	24.7	31.9	33.5	32.7	30.3	43.9	92.5	129.2	117.3	34.3
87.5°	0.8	0.8	3.2	7.2	6.4	4.8	8.8	12.8	4.8	5.6	4.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	313.5	313.5	313.5	313.5	313.5	313.5	313.5	313.5	313.5	313.5	313.5
2.5°	313.5	306.3	289.6	275.2	260.1	249.7	226.6	209.8	201.0	199.4	201.8
5°	315.1	299.2	265.6	223.4	191.5	183.5	180.3	179.5	178.7	178.7	178.7
7.5°	277.6	256.9	206.6	175.5	180.3	180.3	180.3	177.9	163.5	157.2	157.2
10°	244.9	217.8	154.0	142.0	142.8	150.0	169.1	189.1	193.1	193.9	194.6
12.5°	212.2	185.9	130.8	138.0	124.4	147.6	174.7	194.6	175.5	165.9	165.9
15°	267.2	229.8	151.6	121.3	122.9	147.6	133.2	180.3	193.1	193.9	194.6
17.5°	240.9	202.6	141.2	127.6	134.8	112.5	152.4	170.7	157.2	155.6	154.0
20°	292.8	240.9	147.6	126.8	126.0	136.4	129.2	129.2	175.5	175.5	175.5
22.5°	217.0	178.7	143.6	142.8	120.5	134.8	128.4	143.6	138.0	135.6	135.6
25°	318.3	252.1	157.2	125.2	129.2	118.9	132.4	118.1	146.0	147.6	147.6
27.5°	382.1	296.0	170.7	138.8	118.9	127.6	109.3	118.9	112.5	113.3	113.3
30°	455.5	347.0	212.2	145.2	122.1	105.3	108.5	102.9	122.1	119.7	118.9
32.5°	475.5	350.2	204.2	154.0	118.9	106.1	98.1	106.1	113.3	123.7	123.7
35°	498.6	353.4	193.1	146.8	116.5	98.9	97.3	106.1	114.9	111.7	111.7
37.5°	520.1	355.8	184.3	138.0	106.9	96.5	96.5	98.1	106.9	102.1	102.1
40°	544.9	356.6	173.9	128.4	98.9	94.9	89.3	90.9	91.7	88.5	87.8
42.5°	572.8	355.8	161.9	119.7	91.7	88.5	84.6	84.6	87.0	86.2	85.4
45°	603.1	355.0	149.2	109.3	83.8	79.8	77.4	87.0	90.9	90.9	89.3
47.5°	639.8	355.0	137.2	97.3	78.2	71.8	70.2	80.6	88.5	90.1	91.7
50°	682.1	353.4	126.0	88.5	72.6	67.0	69.4	79.8	86.2	88.5	87.8
52.5°	737.1	350.2	116.5	81.4	68.6	61.4	65.4	77.4	85.4	86.2	85.4
55°	785.0	339.0	106.9	78.2	65.4	58.2	63.0	76.6	83.8	83.8	83.8
57.5°	825.7	323.1	98.9	75.8	64.6	57.4	62.2	75.8	80.6	83.0	83.0
60°	875.1	303.1	93.3	75.0	63.8	56.6	61.4	75.0	79.0	82.2	82.2
62.5°	926.2	286.4	90.1	75.0	61.4	57.4	61.4	75.0	78.2	82.2	81.4
65°	967.7	264.9	87.0	76.6	60.6	57.4	61.4	75.0	77.4	81.4	81.4
67.5°	965.3	235.3	83.0	80.6	61.4	58.2	61.4	74.2	75.8	81.4	79.8
70°	911.0	201.0	76.6	79.8	63.8	58.2	60.6	71.8	72.6	79.8	77.4
72.5°	812.9	162.7	67.8	75.0	63.8	59.0	59.0	68.6	68.6	76.6	71.8
75°	680.5	125.2	55.8	66.2	60.6	60.6	55.8	64.6	63.0	67.8	63.0
77.5°	507.4	94.9	43.1	55.0	55.0	59.8	53.4	59.8	57.4	58.2	55.8
80°	211.4	57.4	32.7	43.1	47.1	58.2	51.1	54.2	48.7	48.7	47.1
82.5°	87.8	36.7	22.3	27.1	31.9	51.9	48.7	46.3	39.9	36.7	34.3
85°	31.9	19.9	15.2	18.3	20.7	35.9	35.1	29.5	23.1	25.5	20.7
87.5°	2.4	3.2	3.2	4.0	4.0	4.8	8.0	8.0	4.8	4.0	2.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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

(END OF REPORT)