

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: P559965

Luminaire Tested: **SDL-PA1-20-722-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559965
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-PA1-20-722-U-T2R
Description: Springdale
(1) 70 CRI, 2200K, 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: 2006.9 lumens
Efficiency: N/A
Efficacy: 95.6 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



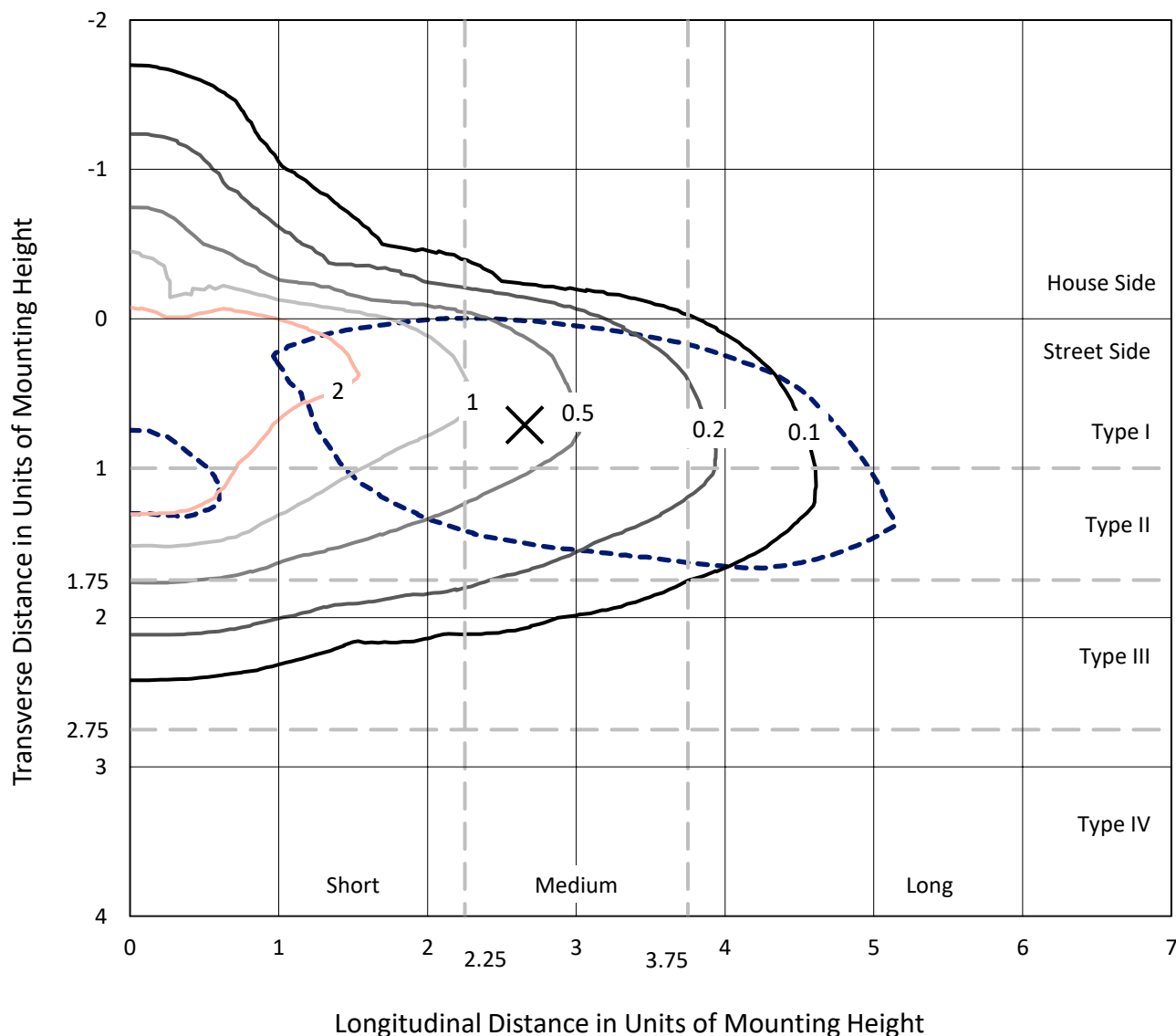
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

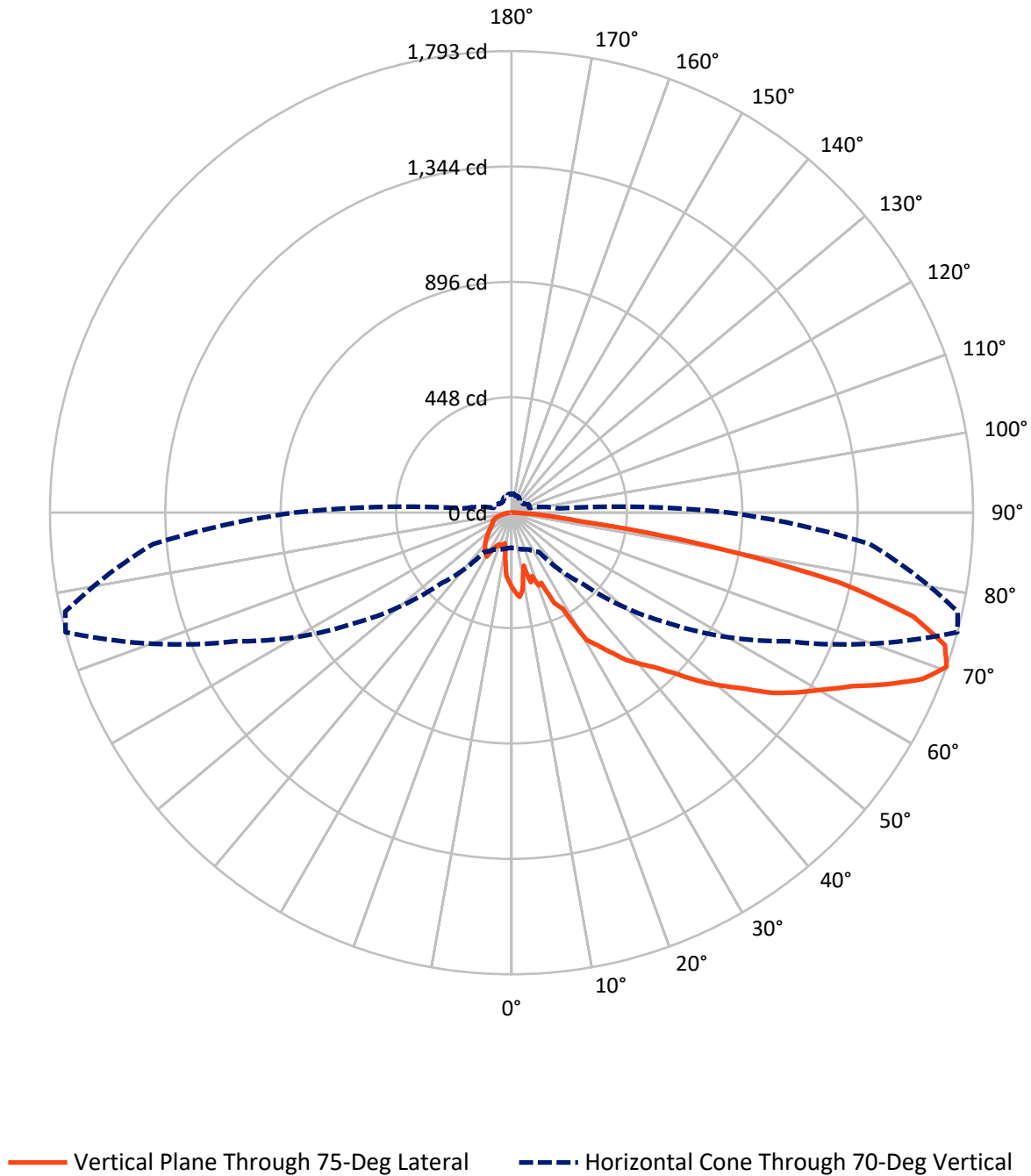


Based on 10 foot mounting height. Maximum calculated value = 4.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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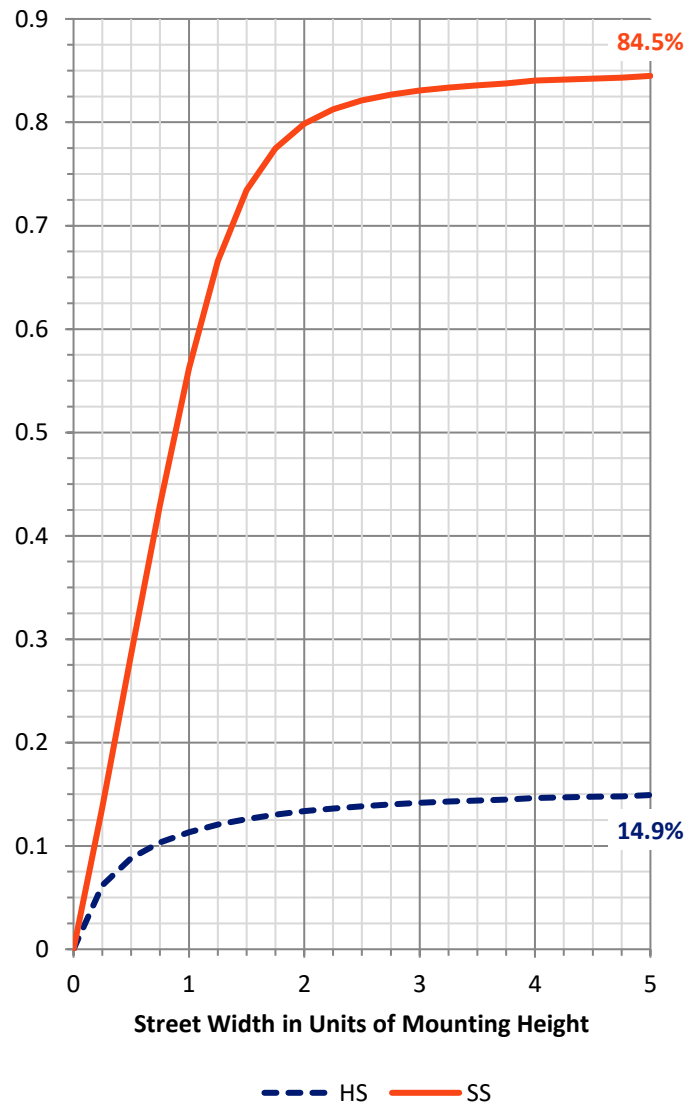
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	305.3	0.0	305.3
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	1701.6	0.0	1701.6
	% Fixture	84.8	0.0	84.8
Total	Lumens	2006.9	0.0	2006.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.0	1.2
10°-20°	63.8	3.2
20°-30°	116.6	5.8
30°-40°	236.6	11.8
40°-50°	363.1	18.1
50°-60°	437.8	21.8
60°-70°	423.4	21.1
70°-80°	293.7	14.6
80°-90°	48.0	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°	2006.9	100.0
0°-180°	2006.9	100.0

Coefficient of Utilization



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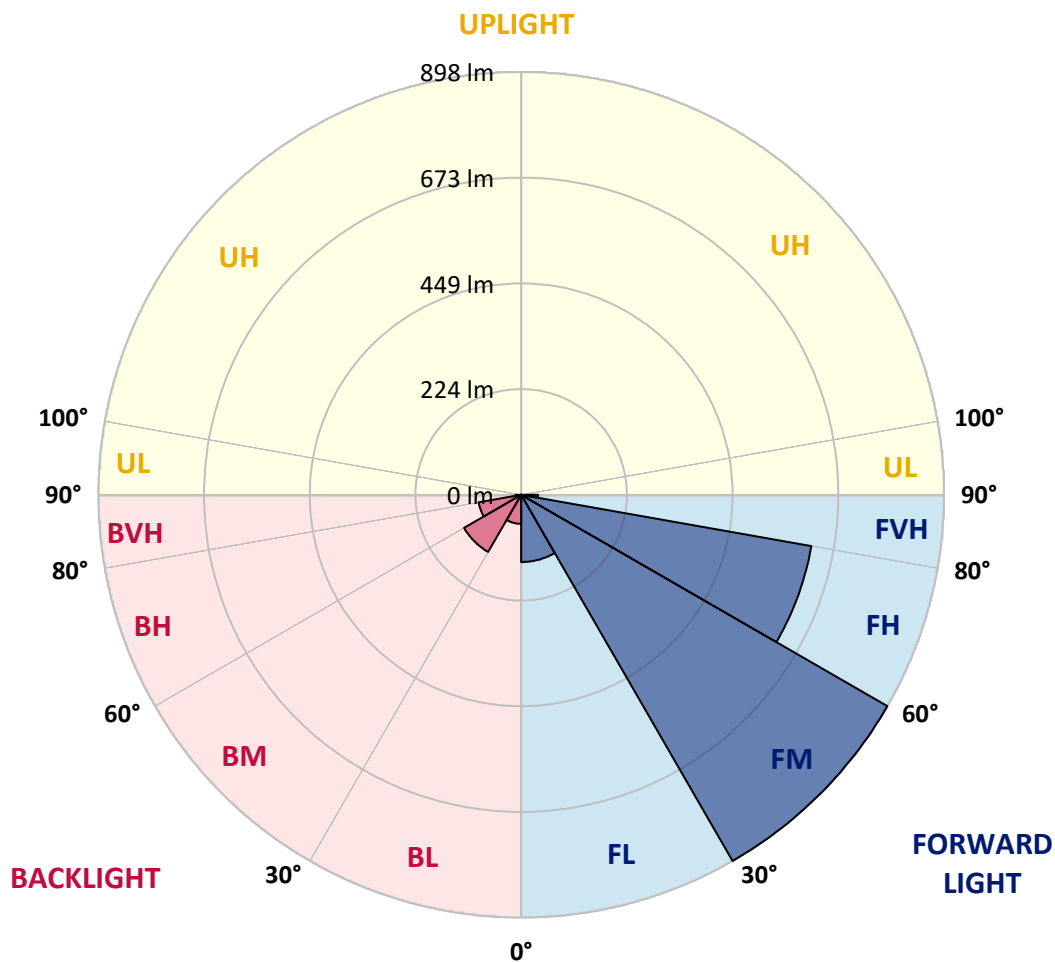
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	142.7	7.1			
FM	(30°-60°)	897.5	44.7			
FH	(60°-80°)	625.5	31.2			G0/660
FVH	(80°-90°)	35.9	1.8			G1/100
BL	(0°-30°)	61.6	3.1	B0/110		
BM	(30°-60°)	140.0	7.0	B0/220		
BH	(60°-80°)	91.6	4.6	B0/110		G0/110
BVH	(80°-90°)	12.0	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°	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0
2.5°	301.1	329.9	315.9	332.1	340.2	335.0	330.6	319.5	310.0	306.3	296.7
5°	332.1	331.4	327.7	326.2	319.5	311.4	304.8	341.7	328.4	321.8	304.8
7.5°	294.5	319.5	338.0	347.6	347.6	338.0	327.7	282.6	305.5	299.6	275.3
10°	369.7	369.7	369.0	369.7	303.3	319.5	274.5	255.3	247.2	266.4	247.2
12.5°	314.4	341.7	372.7	383.8	353.5	301.8	281.2	270.1	211.8	207.4	219.2
15°	369.7	371.9	374.9	329.9	280.4	320.3	245.0	242.8	280.4	273.8	276.7
17.5°	296.7	299.6	363.8	355.7	326.2	242.8	305.5	273.1	259.0	250.2	249.4
20°	374.2	375.6	374.9	281.2	301.1	330.6	316.6	240.6	301.8	305.5	309.2
22.5°	316.6	317.3	321.0	357.9	304.8	344.6	285.6	358.7	295.9	304.8	230.3
25°	425.8	425.8	412.5	322.5	369.0	314.4	347.6	308.5	388.2	377.9	346.1
27.5°	397.0	394.1	378.6	399.3	332.8	397.8	343.9	387.4	421.4	406.6	419.9
30°	557.9	561.6	541.7	414.8	405.2	381.5	396.3	459.0	573.4	565.3	504.8
32.5°	746.8	712.2	621.4	537.3	442.8	465.7	442.8	541.7	614.0	615.5	534.3
35°	838.4	835.4	796.3	633.9	509.2	509.2	496.7	565.3	666.4	656.8	566.0
37.5°	911.4	907.0	879.7	716.6	569.0	566.0	525.4	601.5	726.2	701.8	600.7
40°	973.4	967.5	943.9	774.2	633.9	619.9	560.9	642.8	772.7	774.9	633.9
42.5°	1014.7	1012.5	995.5	826.5	687.8	662.7	608.1	695.9	822.1	834.7	675.3
45°	1047.2	1046.5	1031.7	884.1	726.2	701.8	658.3	735.8	890.0	897.4	719.5
47.5°	1050.9	1053.8	1053.8	912.9	752.7	736.5	709.9	771.2	976.4	960.9	771.2
50°	1012.5	1015.5	1033.9	960.9	775.6	765.3	754.2	814.0	1055.3	1032.4	825.8
52.5°	914.4	921.0	971.2	937.2	787.4	786.7	795.6	869.4	1135.8	1111.4	898.1
55°	703.3	707.7	832.5	867.9	783.7	791.9	826.5	938.0	1235.4	1214.0	974.1
57.5°	537.3	549.8	628.0	736.5	743.2	787.4	846.5	986.0	1315.8	1294.4	1044.3
60°	432.5	441.3	487.1	582.3	656.1	768.2	873.8	1045.7	1394.1	1383.7	1119.5
62.5°	338.7	344.6	376.4	439.1	532.8	723.2	890.8	1110.7	1484.1	1478.9	1217.7
65°	242.8	248.7	276.7	318.1	411.8	638.4	882.6	1172.7	1605.1	1600.0	1312.9
67.5°	177.1	178.6	197.0	225.1	292.2	516.6	842.8	1211.8	1723.2	1712.9	1385.9
70°	136.5	138.0	146.9	157.2	186.7	391.1	749.8	1182.3	1792.6	1774.9	1397.0
72.5°	110.7	110.7	114.4	119.6	127.7	255.3	588.9	1066.4	1760.1	1725.4	1304.8
75°	93.0	93.0	95.2	93.7	89.3	159.4	409.6	890.8	1611.8	1568.2	1135.8
77.5°	78.2	77.5	77.5	78.2	69.4	108.5	250.2	686.3	1302.6	1260.5	842.0
80°	64.2	64.2	64.2	64.2	56.8	77.5	149.1	455.3	748.3	653.1	386.0
82.5°	47.2	48.0	50.2	50.2	47.2	56.8	77.5	190.4	256.1	226.6	136.5
85°	22.1	22.9	29.5	31.0	30.3	28.0	40.6	85.6	119.6	108.5	31.7
87.5°	0.7	0.7	3.0	6.6	5.9	4.4	8.1	11.8	4.4	5.2	3.7
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°	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0	290.0
2.5°	290.0	283.4	267.9	254.6	240.6	231.0	209.6	194.1	186.0	184.5	186.7
5°	291.5	276.7	245.8	206.6	177.1	169.7	166.8	166.0	165.3	165.3	165.3
7.5°	256.8	237.6	191.1	162.4	166.8	166.8	166.8	164.6	151.3	145.4	145.4
10°	226.6	201.5	142.4	131.4	132.1	138.7	156.5	174.9	178.6	179.3	180.1
12.5°	196.3	172.0	121.0	127.7	115.1	136.5	161.6	180.1	162.4	153.5	153.5
15°	247.2	212.5	140.2	112.2	113.7	136.5	123.2	166.8	178.6	179.3	180.1
17.5°	222.9	187.4	130.6	118.1	124.7	104.1	141.0	157.9	145.4	143.9	142.4
20°	270.8	222.9	136.5	117.3	116.6	126.2	119.6	119.6	162.4	162.4	162.4
22.5°	200.7	165.3	132.8	132.1	111.4	124.7	118.8	132.8	127.7	125.5	125.5
25°	294.5	233.2	145.4	115.9	119.6	110.0	122.5	109.2	135.1	136.5	136.5
27.5°	353.5	273.8	157.9	128.4	110.0	118.1	101.1	110.0	104.1	104.8	104.8
30°	421.4	321.0	196.3	134.3	112.9	97.4	100.4	95.2	112.9	110.7	110.0
32.5°	439.8	324.0	188.9	142.4	110.0	98.2	90.8	98.2	104.8	114.4	114.4
35°	461.2	326.9	178.6	135.8	107.7	91.5	90.0	98.2	106.3	103.3	103.3
37.5°	481.2	329.1	170.5	127.7	98.9	89.3	89.3	90.8	98.9	94.5	94.5
40°	504.0	329.9	160.9	118.8	91.5	87.8	82.7	84.1	84.9	81.9	81.2
42.5°	529.9	329.1	149.8	110.7	84.9	81.9	78.2	78.2	80.4	79.7	79.0
45°	557.9	328.4	138.0	101.1	77.5	73.8	71.6	80.4	84.1	84.1	82.7
47.5°	591.9	328.4	126.9	90.0	72.3	66.4	64.9	74.5	81.9	83.4	84.9
50°	631.0	326.9	116.6	81.9	67.2	62.0	64.2	73.8	79.7	81.9	81.2
52.5°	681.9	324.0	107.7	75.3	63.5	56.8	60.5	71.6	79.0	79.7	79.0
55°	726.2	313.6	98.9	72.3	60.5	53.9	58.3	70.8	77.5	77.5	77.5
57.5°	763.8	298.9	91.5	70.1	59.8	53.1	57.6	70.1	74.5	76.8	76.8
60°	809.6	280.4	86.3	69.4	59.0	52.4	56.8	69.4	73.1	76.0	76.0
62.5°	856.8	264.9	83.4	69.4	56.8	53.1	56.8	69.4	72.3	76.0	75.3
65°	895.2	245.0	80.4	70.8	56.1	53.1	56.8	69.4	71.6	75.3	75.3
67.5°	893.0	217.7	76.8	74.5	56.8	53.9	56.8	68.6	70.1	75.3	73.8
70°	842.8	186.0	70.8	73.8	59.0	53.9	56.1	66.4	67.2	73.8	71.6
72.5°	752.0	150.5	62.7	69.4	59.0	54.6	54.6	63.5	63.5	70.8	66.4
75°	629.5	115.9	51.7	61.3	56.1	56.1	51.7	59.8	58.3	62.7	58.3
77.5°	469.4	87.8	39.9	50.9	50.9	55.3	49.4	55.3	53.1	53.9	51.7
80°	195.6	53.1	30.3	39.9	43.5	53.9	47.2	50.2	45.0	45.0	43.5
82.5°	81.2	33.9	20.7	25.1	29.5	48.0	45.0	42.8	36.9	33.9	31.7
85°	29.5	18.4	14.0	17.0	19.2	33.2	32.5	27.3	21.4	23.6	19.2
87.5°	2.2	3.0	3.0	3.7	3.7	4.4	7.4	7.4	4.4	3.7	2.2
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)