

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: P560163

Luminaire Tested: **SDL-PA1-30-727-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560163
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-PA1-30-727-U-T2R
Description: Springdale
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3150 lumens
Efficiency: N/A
Efficacy: 104.7 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 - U0 - G1

Input Watts (W): 30.1
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

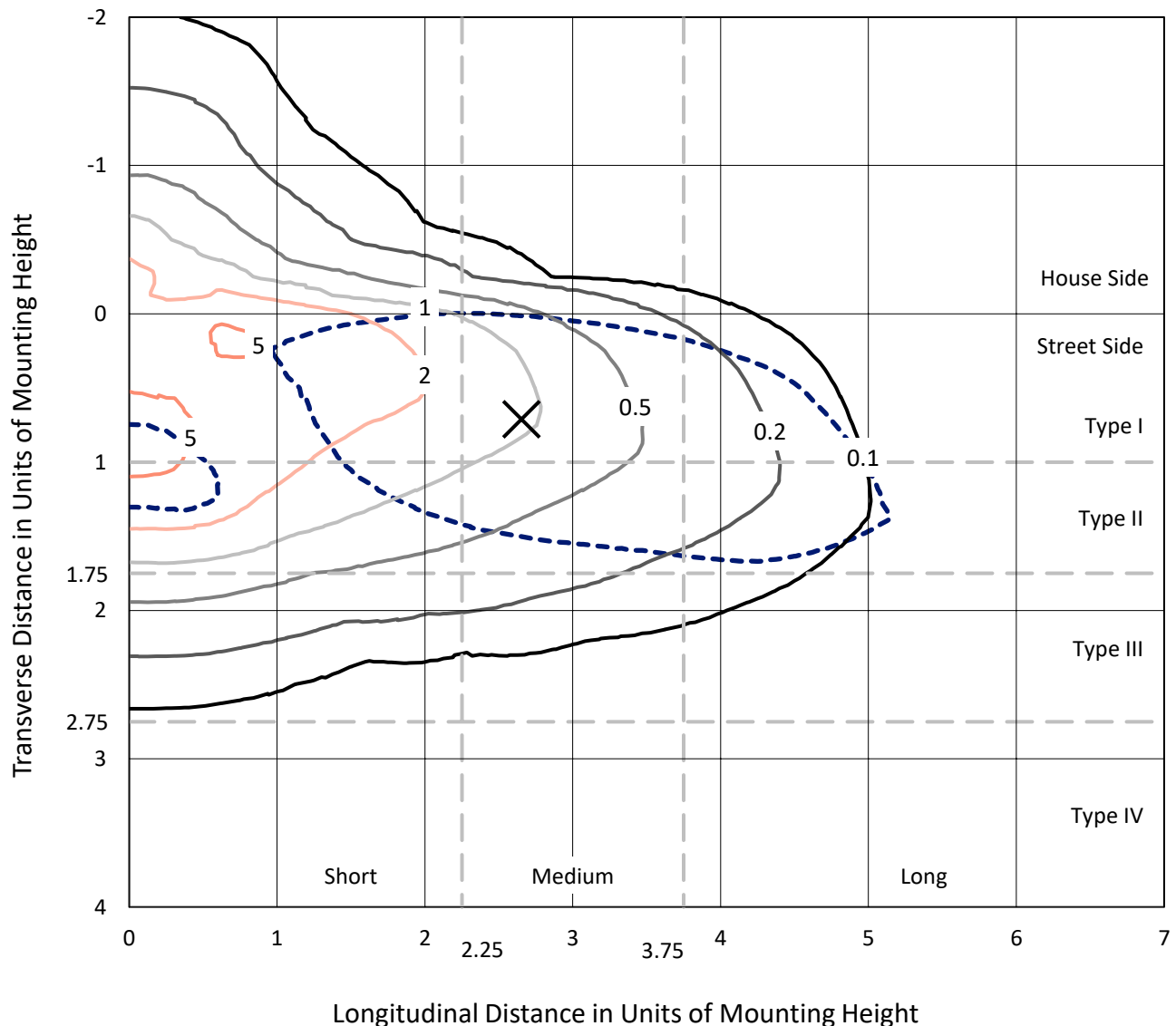


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

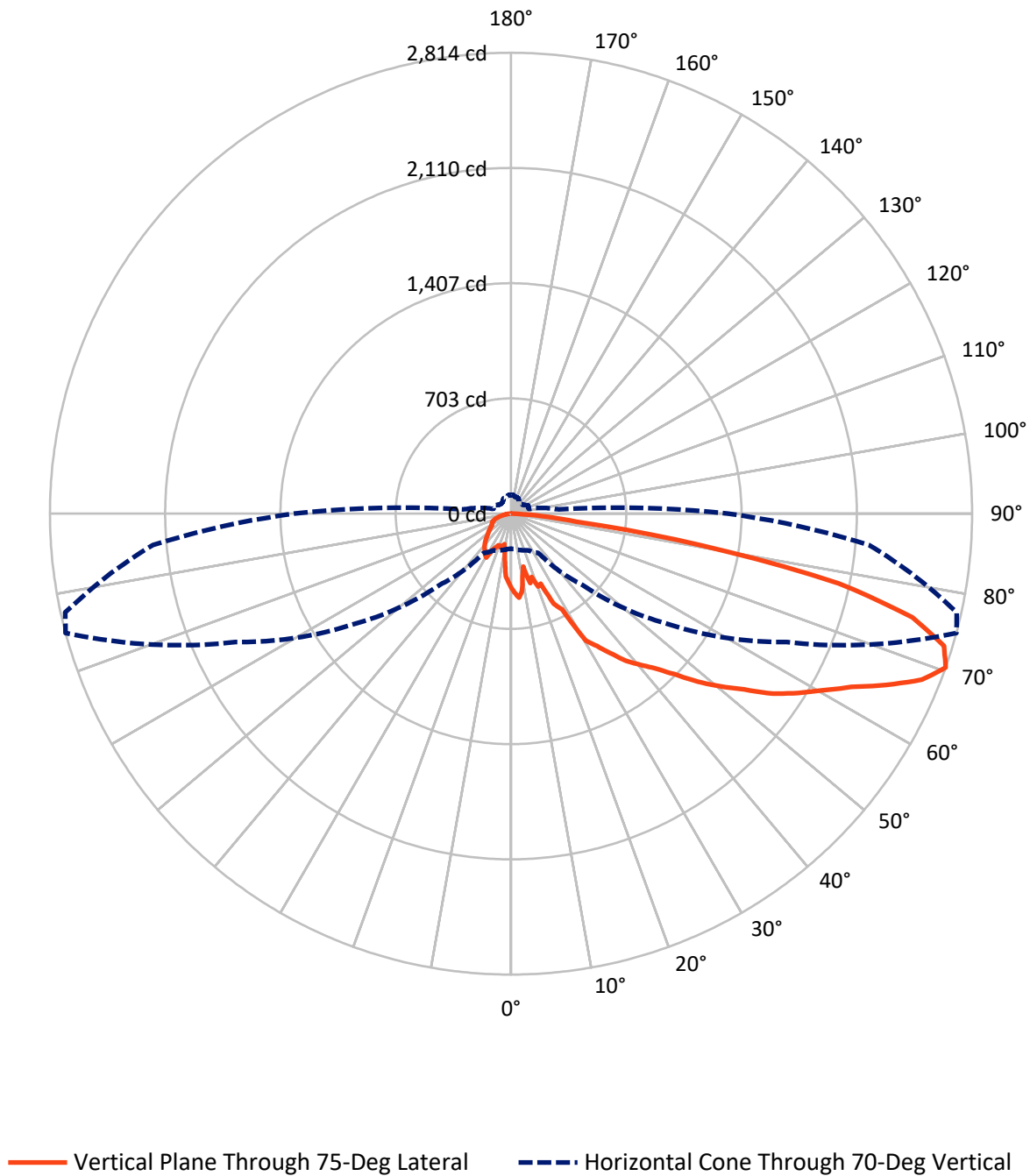


Based on 10 foot mounting height. Maximum calculated value = 7.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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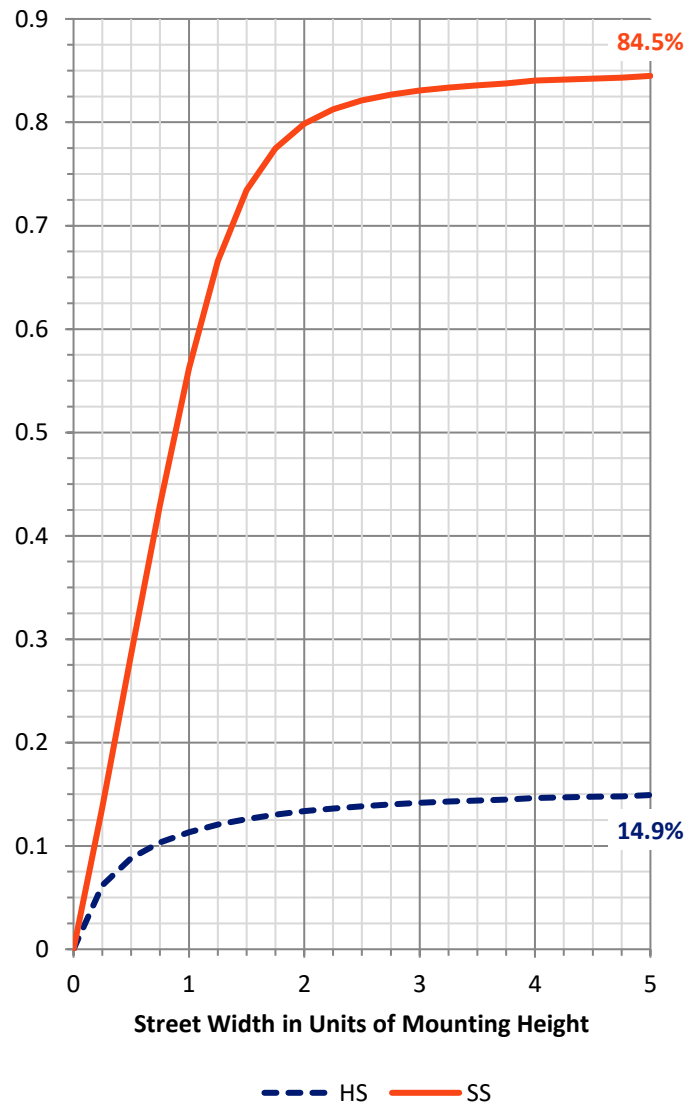
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	479.2	0.0	479.2
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	2670.8	0.0	2670.8
	% Fixture	84.8	0.0	84.8
Total	Lumens	3150.0	0.0	3150.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.6	1.2
10°-20°	100.1	3.2
20°-30°	182.9	5.8
30°-40°	371.4	11.8
40°-50°	570.0	18.1
50°-60°	687.2	21.8
60°-70°	664.6	21.1
70°-80°	461.0	14.6
80°-90°	75.3	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°	3150.0	100.0
0°-180°	3150.0	100.0

Coefficient of Utilization



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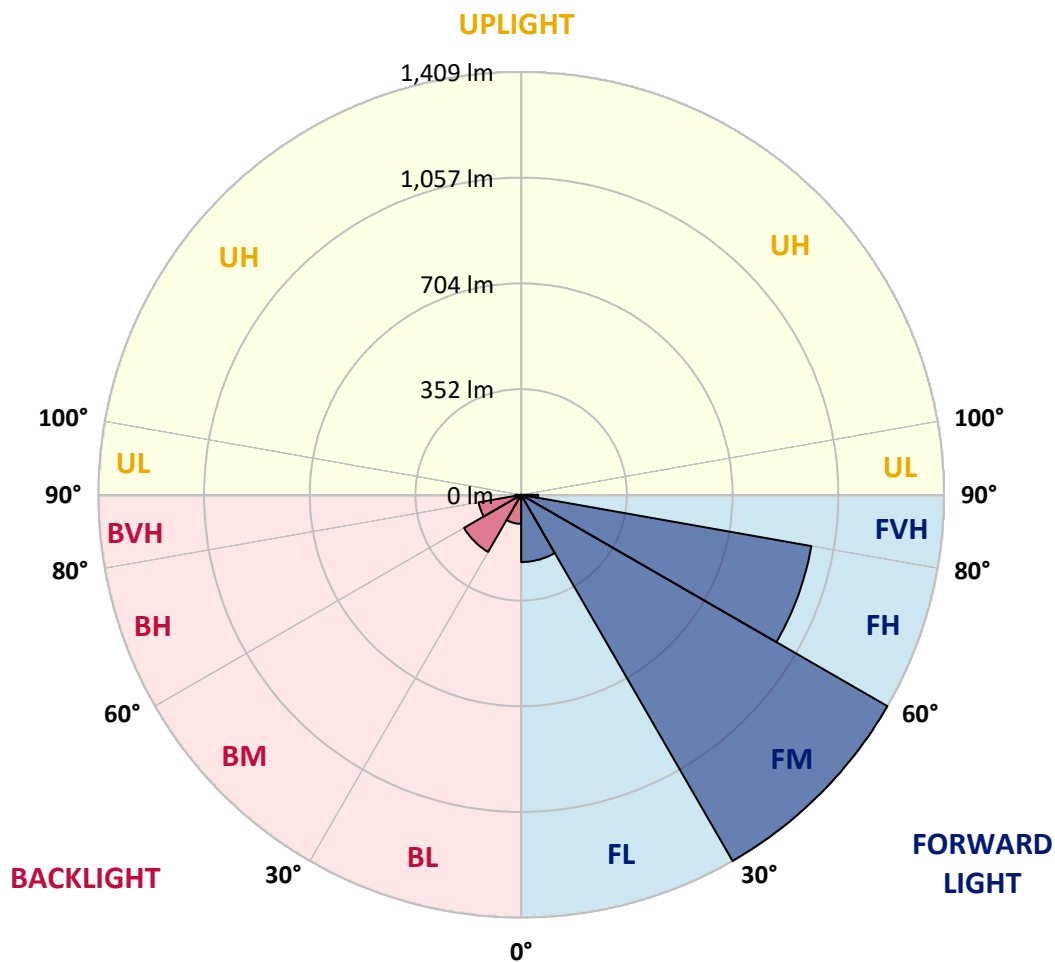
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	223.9	7.1			
FM	(30°-60°)	1408.8	44.7			
FH	(60°-80°)	981.8	31.2			G1/1800
FVH	(80°-90°)	56.4	1.8			G1/100
BL	(0°-30°)	96.7	3.1	B0/110		
BM	(30°-60°)	219.8	7.0	B0/220		
BH	(60°-80°)	143.7	4.6	B1/500		G1/500
BVH	(80°-90°)	18.9	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-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°	455.2	455.2	455.2	455.2	455.2	455.2	455.2	455.2	455.2	455.2	455.2
2.5°	472.6	517.8	495.8	521.3	534.0	525.9	518.9	501.6	486.5	480.7	465.7
5°	521.3	520.1	514.3	512.0	501.6	488.8	478.4	536.3	515.5	505.0	478.4
7.5°	462.2	501.6	530.5	545.6	545.6	530.5	514.3	443.7	479.6	470.3	432.1
10°	580.3	580.3	579.2	580.3	476.1	501.6	430.9	400.8	388.1	418.2	388.1
12.5°	493.5	536.3	585.0	602.3	554.9	473.8	441.3	424.0	332.4	325.5	344.0
15°	580.3	583.8	588.4	517.8	440.2	502.7	384.6	381.1	440.2	429.8	434.4
17.5°	465.7	470.3	571.1	558.3	512.0	381.1	479.6	428.6	406.6	392.7	391.5
20°	587.3	589.6	588.4	441.3	472.6	518.9	496.9	377.6	473.8	479.6	485.4
22.5°	496.9	498.1	503.9	561.8	478.4	541.0	448.3	563.0	464.5	478.4	361.4
25°	668.4	668.4	647.5	506.2	579.2	493.5	545.6	484.2	609.3	593.1	543.3
27.5°	623.2	618.6	594.2	626.7	522.4	624.4	539.8	608.1	661.4	638.3	659.1
30°	875.7	881.5	850.2	651.0	635.9	598.9	622.0	720.5	900.0	887.3	792.3
32.5°	1172.3	1117.8	975.3	843.3	695.0	730.9	695.0	850.2	963.8	966.1	838.7
35°	1315.9	1311.3	1249.9	995.0	799.3	799.3	779.6	887.3	1046.0	1030.9	888.5
37.5°	1430.6	1423.6	1380.8	1124.8	893.1	888.5	824.8	944.1	1139.8	1101.6	942.9
40°	1527.9	1518.6	1481.5	1215.1	995.0	973.0	880.4	1008.9	1212.8	1216.3	995.0
42.5°	1592.7	1589.3	1562.6	1297.4	1079.6	1040.2	954.5	1092.3	1290.4	1310.1	1059.9
45°	1643.7	1642.6	1619.4	1387.7	1139.8	1101.6	1033.3	1154.9	1397.0	1408.6	1129.4
47.5°	1649.5	1654.1	1654.1	1432.9	1181.5	1156.0	1114.3	1210.5	1532.5	1508.2	1210.5
50°	1589.3	1593.9	1622.9	1508.2	1217.4	1201.2	1183.8	1277.7	1656.5	1620.5	1296.2
52.5°	1435.2	1445.6	1524.4	1471.1	1236.0	1234.8	1248.7	1364.5	1782.7	1744.5	1409.7
55°	1103.9	1110.9	1306.6	1362.2	1230.2	1242.9	1297.4	1472.3	1939.1	1905.5	1529.0
57.5°	843.3	863.0	985.8	1156.0	1166.5	1236.0	1328.6	1547.6	2065.4	2031.8	1639.1
60°	678.8	692.7	764.5	913.9	1029.8	1205.9	1371.5	1641.4	2188.1	2171.9	1757.2
62.5°	531.7	541.0	590.8	689.2	836.3	1135.2	1398.1	1743.3	2329.5	2321.4	1911.3
65°	381.1	390.4	434.4	499.3	646.4	1002.0	1385.4	1840.6	2519.4	2511.3	2060.7
67.5°	278.0	280.3	309.3	353.3	458.7	810.9	1322.8	1902.0	2704.8	2688.6	2175.4
70°	214.3	216.6	230.5	246.7	293.1	613.9	1176.9	1855.7	2813.7	2785.9	2192.8
72.5°	173.8	173.8	179.5	187.7	200.4	400.8	924.4	1673.8	2762.7	2708.2	2048.0
75°	146.0	146.0	149.4	147.1	140.2	250.2	642.9	1398.1	2529.9	2461.5	1782.7
77.5°	122.8	121.6	121.6	122.8	108.9	170.3	392.7	1077.3	2044.5	1978.5	1321.7
80°	100.8	100.8	100.8	100.8	89.2	121.6	234.0	714.7	1174.6	1025.1	605.8
82.5°	74.1	75.3	78.8	78.8	74.1	89.2	121.6	298.9	402.0	355.6	214.3
85°	34.8	35.9	46.3	48.7	47.5	44.0	63.7	134.4	187.7	170.3	49.8
87.5°	1.2	1.2	4.6	10.4	9.3	7.0	12.7	18.5	7.0	8.1	5.8
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°	455.2	455.2	455.2	455.2	455.2	455.2	455.2	455.2	455.2	455.2	455.2
2.5°	455.2	444.8	420.5	399.6	377.6	362.6	329.0	304.6	291.9	289.6	293.1
5°	457.6	434.4	385.7	324.3	278.0	266.4	261.8	260.6	259.5	259.5	259.5
7.5°	403.1	373.0	300.0	254.8	261.8	261.8	261.8	258.3	237.5	228.2	228.2
10°	355.6	316.2	223.6	206.2	207.3	217.8	245.6	274.5	280.3	281.5	282.6
12.5°	308.1	269.9	190.0	200.4	180.7	214.3	253.7	282.6	254.8	240.9	240.9
15°	388.1	333.6	220.1	176.1	178.4	214.3	193.4	261.8	280.3	281.5	282.6
17.5°	349.8	294.2	205.0	185.3	195.8	163.3	221.2	247.9	228.2	225.9	223.6
20°	425.1	349.8	214.3	184.2	183.0	198.1	187.7	187.7	254.8	254.8	254.8
22.5°	315.1	259.5	208.5	207.3	174.9	195.8	186.5	208.5	200.4	196.9	196.9
25°	462.2	366.0	228.2	181.9	187.7	172.6	192.3	171.4	212.0	214.3	214.3
27.5°	554.9	429.8	247.9	201.6	172.6	185.3	158.7	172.6	163.3	164.5	164.5
30°	661.4	503.9	308.1	210.8	177.2	152.9	157.5	149.4	177.2	173.8	172.6
32.5°	690.4	508.5	296.5	223.6	172.6	154.1	142.5	154.1	164.5	179.5	179.5
35°	724.0	513.2	280.3	213.1	169.1	143.6	141.3	154.1	166.8	162.2	162.2
37.5°	755.3	516.6	267.6	200.4	155.2	140.2	140.2	142.5	155.2	148.3	148.3
40°	791.2	517.8	252.5	186.5	143.6	137.8	129.7	132.1	133.2	128.6	127.4
42.5°	831.7	516.6	235.1	173.8	133.2	128.6	122.8	122.8	126.3	125.1	123.9
45°	875.7	515.5	216.6	158.7	121.6	115.8	112.4	126.3	132.1	132.1	129.7
47.5°	929.0	515.5	199.2	141.3	113.5	104.3	101.9	117.0	128.6	130.9	133.2
50°	990.4	513.2	183.0	128.6	105.4	97.3	100.8	115.8	125.1	128.6	127.4
52.5°	1070.3	508.5	169.1	118.2	99.6	89.2	95.0	112.4	123.9	125.1	123.9
55°	1139.8	492.3	155.2	113.5	95.0	84.6	91.5	111.2	121.6	121.6	121.6
57.5°	1198.9	469.1	143.6	110.0	93.8	83.4	90.4	110.0	117.0	120.5	120.5
60°	1270.7	440.2	135.5	108.9	92.7	82.2	89.2	108.9	114.7	119.3	119.3
62.5°	1344.9	415.9	130.9	108.9	89.2	83.4	89.2	108.9	113.5	119.3	118.2
65°	1405.1	384.6	126.3	111.2	88.0	83.4	89.2	108.9	112.4	118.2	118.2
67.5°	1401.6	341.7	120.5	117.0	89.2	84.6	89.2	107.7	110.0	118.2	115.8
70°	1322.8	291.9	111.2	115.8	92.7	84.6	88.0	104.3	105.4	115.8	112.4
72.5°	1180.4	236.3	98.5	108.9	92.7	85.7	85.7	99.6	99.6	111.2	104.3
75°	988.1	181.9	81.1	96.1	88.0	88.0	81.1	93.8	91.5	98.5	91.5
77.5°	736.7	137.8	62.6	79.9	79.9	86.9	77.6	86.9	83.4	84.6	81.1
80°	307.0	83.4	47.5	62.6	68.3	84.6	74.1	78.8	70.7	70.7	68.3
82.5°	127.4	53.3	32.4	39.4	46.3	75.3	70.7	67.2	57.9	53.3	49.8
85°	46.3	29.0	22.0	26.6	30.1	52.1	51.0	42.9	33.6	37.1	30.1
87.5°	3.5	4.6	4.6	5.8	5.8	7.0	11.6	11.6	7.0	5.8	3.5
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)