

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: P560339

Luminaire Tested: **SDL-PA1-40-727-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560339
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-PA1-40-727-U-T2R
Description: Springdale
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4108.3 lumens
Efficiency: N/A
Efficacy: 104.3 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: B1 - U0 - G1

Input Watts (W): 39.4
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

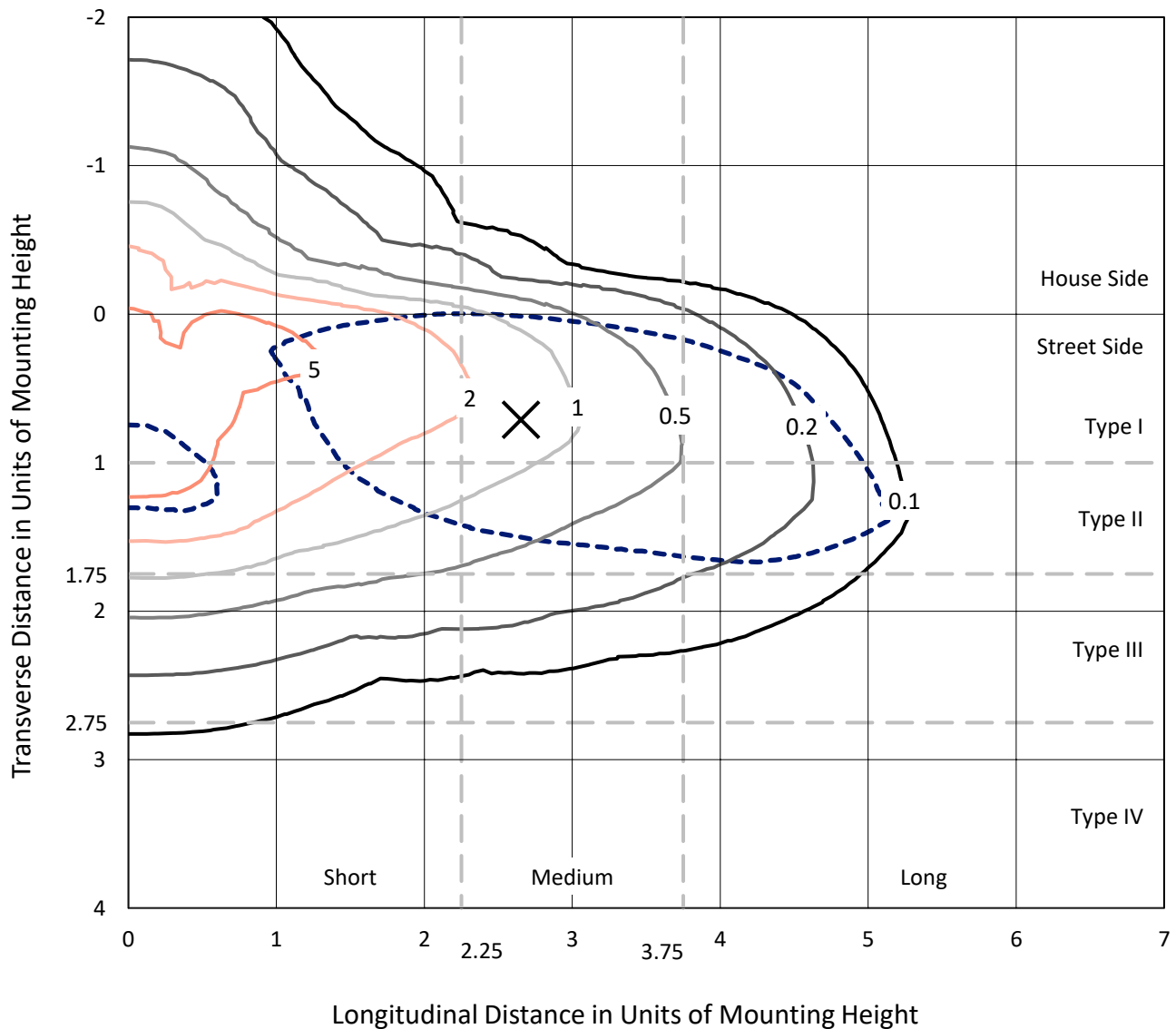


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

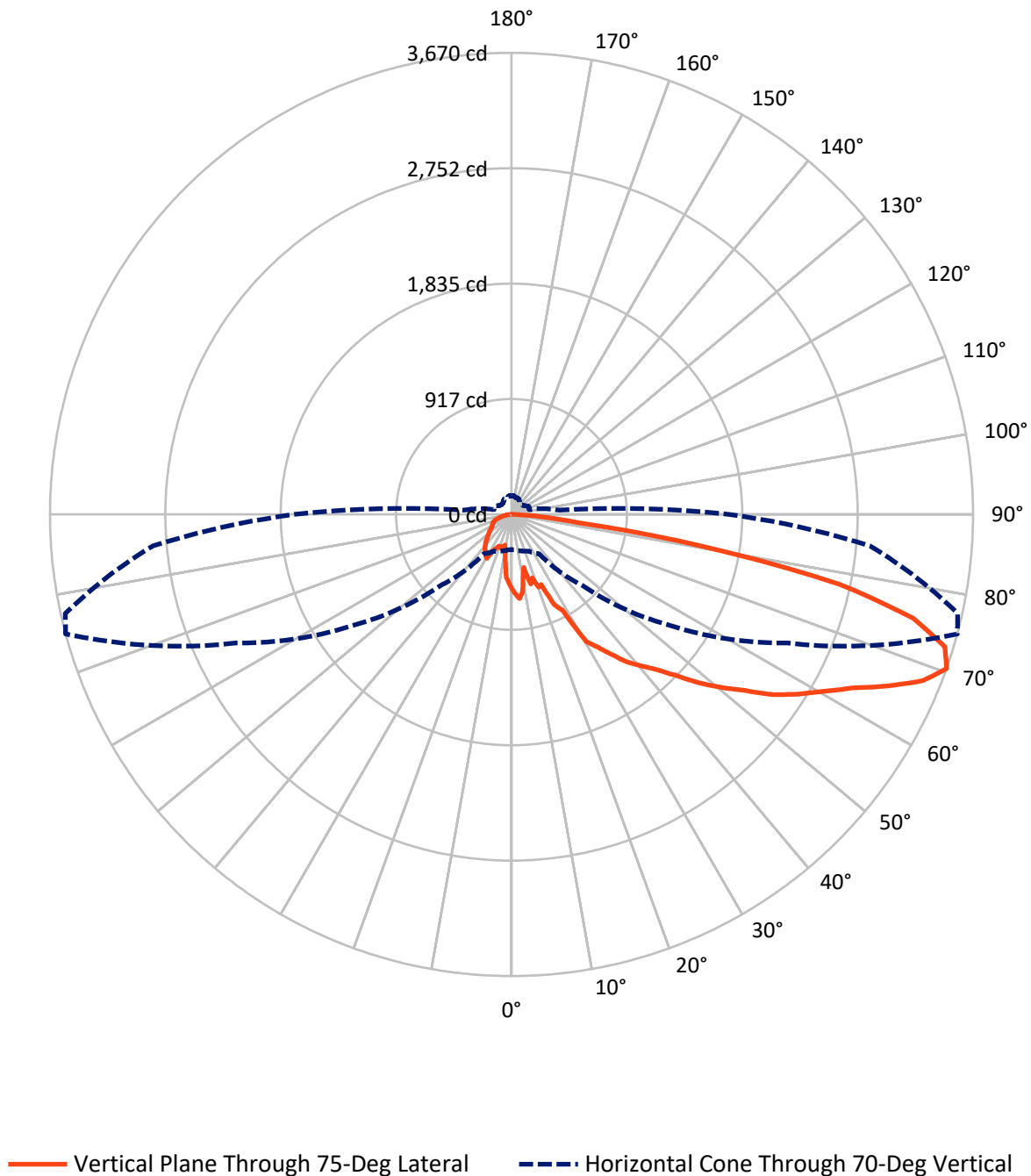


Based on 10 foot mounting height. Maximum calculated value = 9.4 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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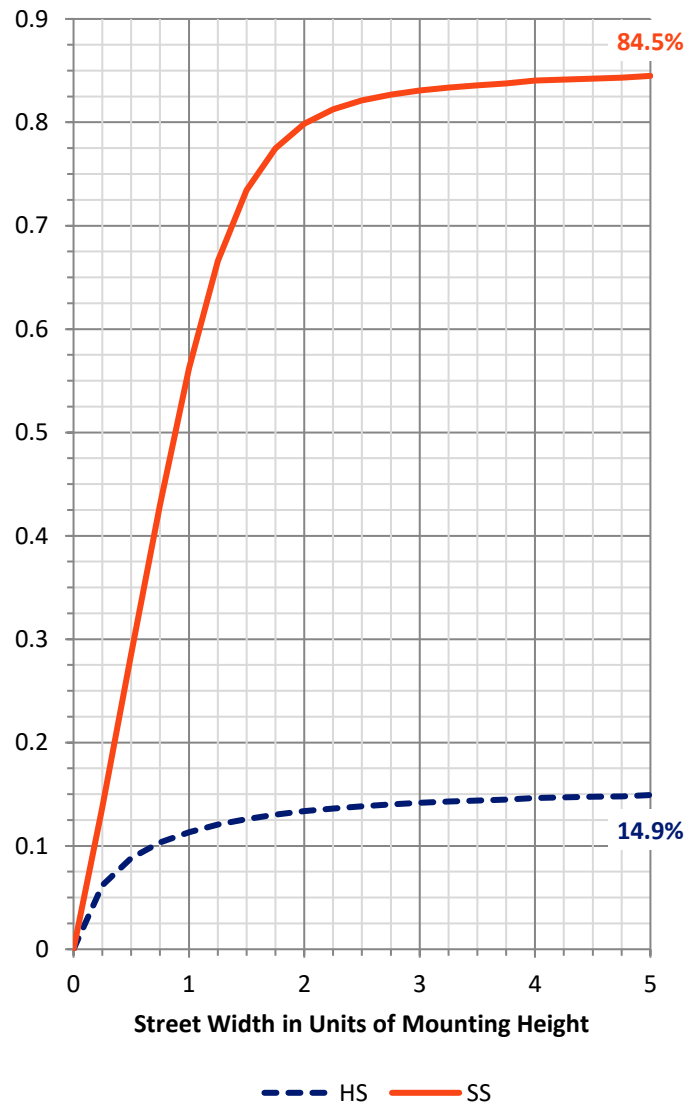
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	625.0	0.0	625.0
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	3483.4	0.0	3483.4
	% Fixture	84.8	0.0	84.8
Total	Lumens	4108.3	0.0	4108.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.1	1.2
10°-20°	130.5	3.2
20°-30°	238.6	5.8
30°-40°	484.4	11.8
40°-50°	743.4	18.1
50°-60°	896.2	21.8
60°-70°	866.7	21.1
70°-80°	601.2	14.6
80°-90°	98.2	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°	4108.3	100.0
0°-180°	4108.3	100.0

Coefficient of Utilization



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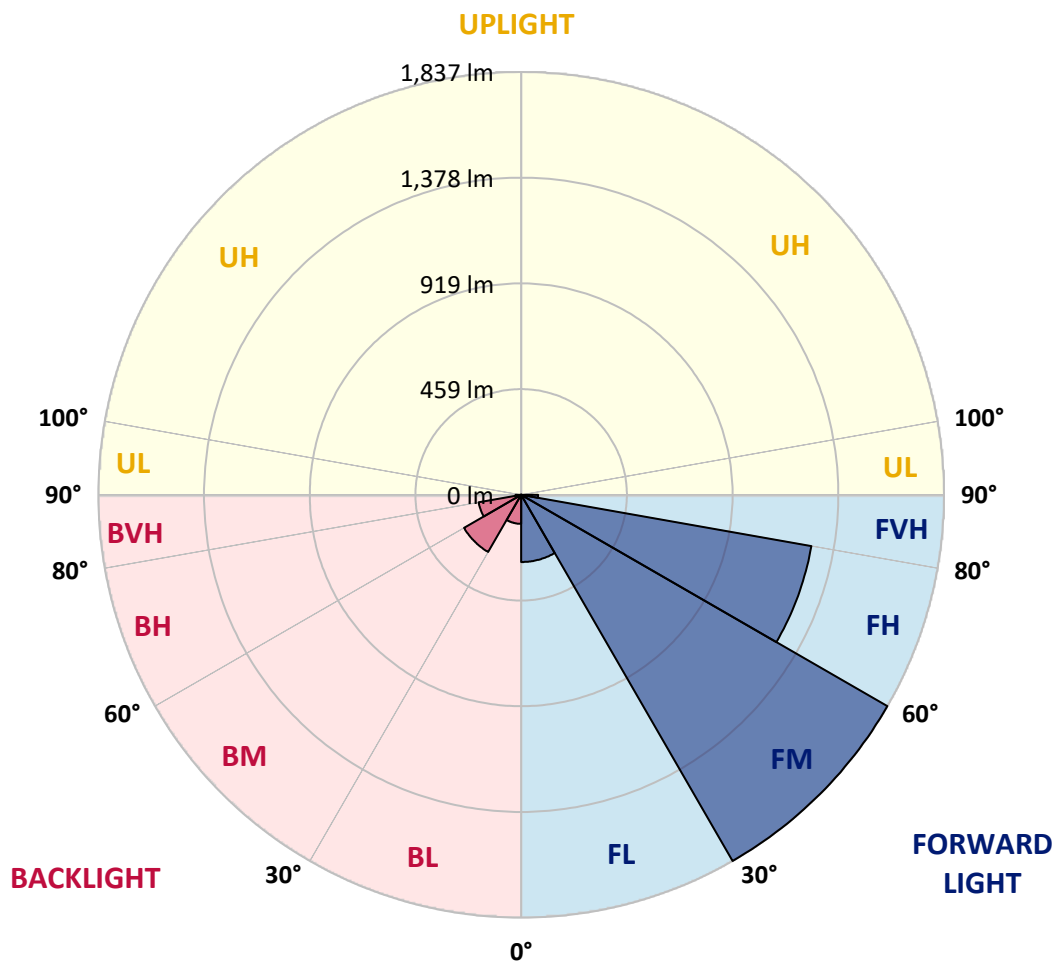
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	292.0	7.1			
FM	(30°-60°)	1837.3	44.7			
FH	(60°-80°)	1280.5	31.2			G1/1800
FVH	(80°-90°)	73.5	1.8			G1/100
BL	(0°-30°)	126.2	3.1	B1/500		
BM	(30°-60°)	286.7	7.0	B1/1000		
BH	(60°-80°)	187.5	4.6	B1/500		G1/500
BVH	(80°-90°)	24.7	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°	593.7	593.7	593.7	593.7	593.7	593.7	593.7	593.7	593.7	593.7	593.7
2.5°	616.4	675.3	646.6	679.8	696.5	685.9	676.8	654.2	634.5	627.0	607.3
5°	679.8	678.3	670.8	667.8	654.2	637.5	623.9	699.5	672.3	658.7	623.9
7.5°	602.8	654.2	691.9	711.6	711.6	691.9	670.8	578.6	625.5	613.4	563.5
10°	756.9	756.9	755.4	756.9	620.9	654.2	562.0	522.7	506.1	545.4	506.1
12.5°	643.6	699.5	762.9	785.6	723.7	617.9	575.6	552.9	433.6	424.5	448.7
15°	756.9	761.4	767.5	675.3	574.1	655.7	501.6	497.0	574.1	560.5	566.5
17.5°	607.3	613.4	744.8	728.2	667.8	497.0	625.5	559.0	530.3	512.1	510.6
20°	766.0	769.0	767.5	575.6	616.4	676.8	648.1	492.5	617.9	625.5	633.0
22.5°	648.1	649.6	657.2	732.7	623.9	705.5	584.7	734.2	605.8	623.9	471.4
25°	871.7	871.7	844.5	660.2	755.4	643.6	711.6	631.5	794.7	773.5	708.5
27.5°	812.8	806.7	775.0	817.3	681.4	814.3	704.0	793.2	862.6	832.4	859.6
30°	1142.1	1149.7	1108.9	849.0	829.4	781.1	811.3	939.7	1173.9	1157.2	1033.4
32.5°	1528.9	1457.9	1272.1	1099.8	906.5	953.3	906.5	1108.9	1257.0	1260.0	1093.8
35°	1716.2	1710.2	1630.1	1297.7	1042.4	1042.4	1016.7	1157.2	1364.2	1344.6	1158.8
37.5°	1865.8	1856.7	1800.8	1467.0	1164.8	1158.8	1075.7	1231.3	1486.6	1436.7	1229.8
40°	1992.7	1980.6	1932.3	1584.8	1297.7	1269.0	1148.2	1315.9	1581.8	1586.3	1297.7
42.5°	2077.3	2072.8	2038.0	1692.1	1408.0	1356.7	1244.9	1424.6	1683.0	1708.7	1382.3
45°	2143.8	2142.3	2112.0	1809.9	1486.6	1436.7	1347.6	1506.2	1822.0	1837.1	1473.0
47.5°	2151.3	2157.4	2157.4	1868.8	1541.0	1507.7	1453.4	1578.7	1998.7	1967.0	1578.7
50°	2072.8	2078.8	2116.6	1967.0	1587.8	1566.7	1544.0	1666.4	2160.4	2113.6	1690.5
52.5°	1871.8	1885.4	1988.2	1918.7	1612.0	1610.5	1628.6	1779.7	2325.1	2275.2	1838.6
55°	1439.8	1448.8	1704.1	1776.7	1604.4	1621.0	1692.1	1920.2	2529.0	2485.2	1994.2
57.5°	1099.8	1125.5	1285.7	1507.7	1521.3	1612.0	1732.8	2018.4	2693.7	2649.9	2137.7
60°	885.3	903.4	997.1	1192.0	1343.1	1572.7	1788.7	2140.8	2853.8	2832.7	2291.8
62.5°	693.4	705.5	770.5	898.9	1090.8	1480.5	1823.5	2273.7	3038.1	3027.6	2492.8
65°	497.0	509.1	566.5	651.1	843.0	1306.8	1806.9	2400.6	3285.9	3275.3	2687.6
67.5°	362.6	365.6	403.4	460.8	598.3	1057.5	1725.3	2480.7	3527.6	3506.5	2837.2
70°	279.5	282.5	300.6	321.8	382.2	800.7	1534.9	2420.2	3669.6	3633.4	2859.9
72.5°	226.6	226.6	234.2	244.7	261.4	522.7	1205.6	2183.1	3603.2	3532.2	2671.0
75°	190.4	190.4	194.9	191.9	182.8	326.3	838.5	1823.5	3299.5	3210.4	2325.1
77.5°	160.1	158.6	158.6	160.1	142.0	222.1	512.1	1405.0	2666.5	2580.4	1723.8
80°	131.4	131.4	131.4	131.4	116.3	158.6	305.2	932.1	1531.9	1337.0	790.1
82.5°	96.7	98.2	102.7	102.7	96.7	116.3	158.6	389.8	524.2	463.8	279.5
85°	45.3	46.8	60.4	63.5	61.9	57.4	83.1	175.2	244.7	222.1	65.0
87.5°	1.5	1.5	6.0	13.6	12.1	9.1	16.6	24.2	9.1	10.6	7.6
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°	593.7	593.7	593.7	593.7	593.7	593.7	593.7	593.7	593.7	593.7	593.7
2.5°	593.7	580.1	548.4	521.2	492.5	472.9	429.1	397.3	380.7	377.7	382.2
5°	596.8	566.5	503.1	423.0	362.6	347.5	341.4	339.9	338.4	338.4	338.4
7.5°	525.7	486.5	391.3	332.4	341.4	341.4	341.4	336.9	309.7	297.6	297.6
10°	463.8	412.4	291.6	268.9	270.4	284.0	320.3	358.1	365.6	367.1	368.6
12.5°	401.9	352.0	247.8	261.4	235.7	279.5	330.9	368.6	332.4	314.2	314.2
15°	506.1	435.1	287.0	229.6	232.7	279.5	252.3	341.4	365.6	367.1	368.6
17.5°	456.3	383.7	267.4	241.7	255.3	213.0	288.6	323.3	297.6	294.6	291.6
20°	554.5	456.3	279.5	240.2	238.7	258.3	244.7	244.7	332.4	332.4	332.4
22.5°	410.9	338.4	271.9	270.4	228.1	255.3	243.2	271.9	261.4	256.8	256.8
25°	602.8	477.4	297.6	237.2	244.7	225.1	250.8	223.6	276.5	279.5	279.5
27.5°	723.7	560.5	323.3	262.9	225.1	241.7	207.0	225.1	213.0	214.5	214.5
30°	862.6	657.2	401.9	275.0	231.1	199.4	205.5	194.9	231.1	226.6	225.1
32.5°	900.4	663.2	386.8	291.6	225.1	200.9	185.8	200.9	214.5	234.2	234.2
35°	944.2	669.3	365.6	278.0	220.6	187.3	184.3	200.9	217.5	211.5	211.5
37.5°	985.0	673.8	349.0	261.4	202.4	182.8	182.8	185.8	202.4	193.4	193.4
40°	1031.9	675.3	329.3	243.2	187.3	179.8	169.2	172.2	173.7	167.7	166.2
42.5°	1084.7	673.8	306.7	226.6	173.7	167.7	160.1	160.1	164.7	163.2	161.7
45°	1142.1	672.3	282.5	207.0	158.6	151.1	146.5	164.7	172.2	172.2	169.2
47.5°	1211.6	672.3	259.9	184.3	148.1	136.0	132.9	152.6	167.7	170.7	173.7
50°	1291.7	669.3	238.7	167.7	137.5	126.9	131.4	151.1	163.2	167.7	166.2
52.5°	1395.9	663.2	220.6	154.1	129.9	116.3	123.9	146.5	161.7	163.2	161.7
55°	1486.6	642.1	202.4	148.1	123.9	110.3	119.4	145.0	158.6	158.6	158.6
57.5°	1563.6	611.9	187.3	143.5	122.4	108.8	117.8	143.5	152.6	157.1	157.1
60°	1657.3	574.1	176.8	142.0	120.9	107.3	116.3	142.0	149.6	155.6	155.6
62.5°	1754.0	542.4	170.7	142.0	116.3	108.8	116.3	142.0	148.1	155.6	154.1
65°	1832.6	501.6	164.7	145.0	114.8	108.8	116.3	142.0	146.5	154.1	154.1
67.5°	1828.0	445.7	157.1	152.6	116.3	110.3	116.3	140.5	143.5	154.1	151.1
70°	1725.3	380.7	145.0	151.1	120.9	110.3	114.8	136.0	137.5	151.1	146.5
72.5°	1539.5	308.2	128.4	142.0	120.9	111.8	111.8	129.9	129.9	145.0	136.0
75°	1288.7	237.2	105.8	125.4	114.8	114.8	105.8	122.4	119.4	128.4	119.4
77.5°	960.8	179.8	81.6	104.2	104.2	113.3	101.2	113.3	108.8	110.3	105.8
80°	400.4	108.8	61.9	81.6	89.1	110.3	96.7	102.7	92.2	92.2	89.1
82.5°	166.2	69.5	42.3	51.4	60.4	98.2	92.2	87.6	75.5	69.5	65.0
85°	60.4	37.8	28.7	34.7	39.3	68.0	66.5	55.9	43.8	48.3	39.3
87.5°	4.5	6.0	6.0	7.6	7.6	9.1	15.1	15.1	9.1	7.6	4.5
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)