

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: P560515

Luminaire Tested: **SDL-PA1-50-727-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560515
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-PA1-50-727-U-T2R
Description: Springdale
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5330.5 lumens
Efficiency: N/A
Efficacy: 101.7 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): 52.4
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

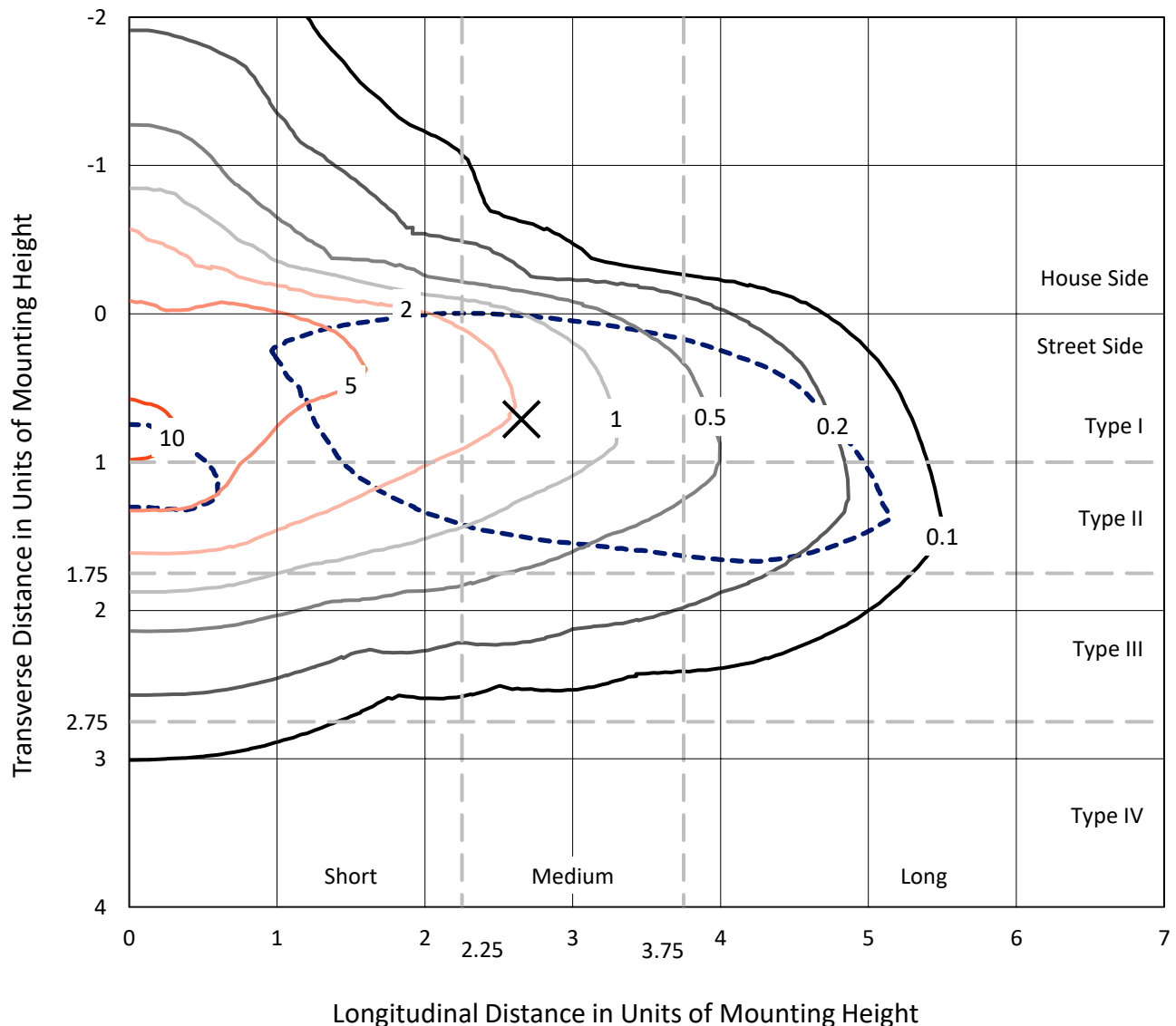


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

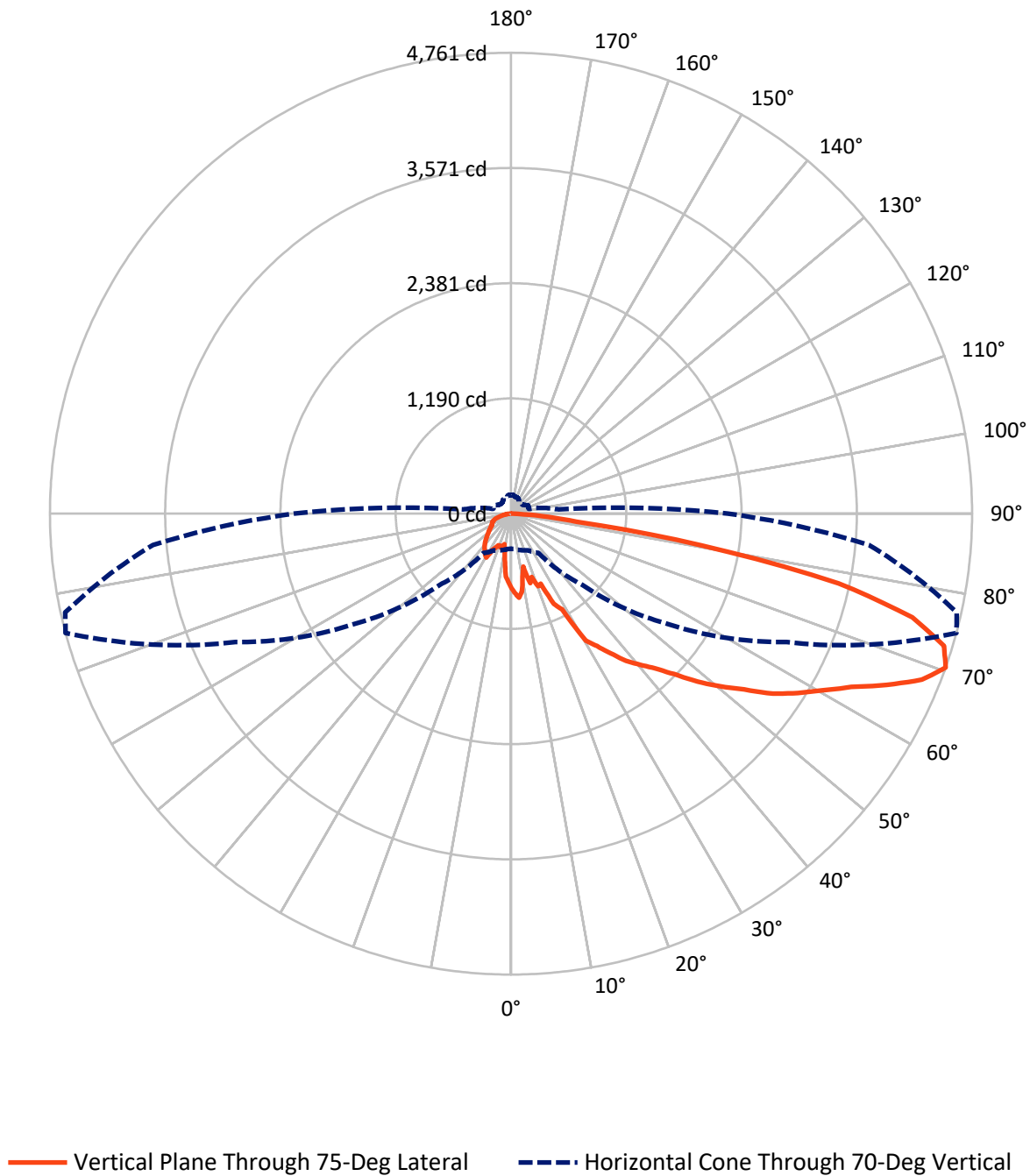


Based on 10 foot mounting height. Maximum calculated value = 12.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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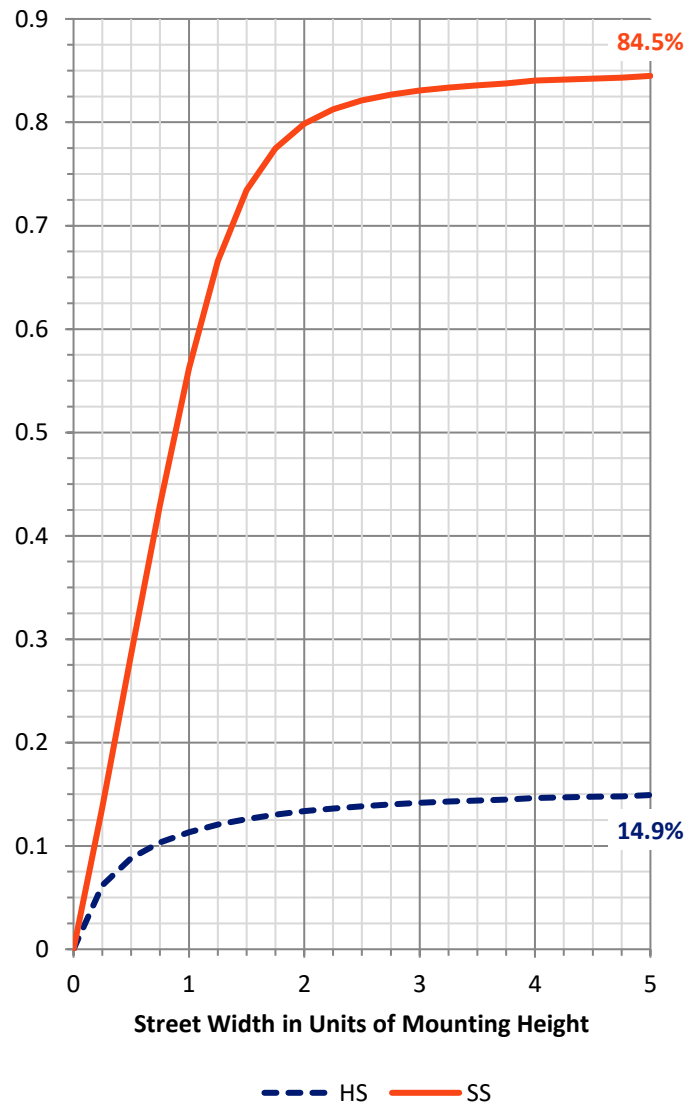
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	810.9	0.0	810.9
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	4519.6	0.0	4519.6
	% Fixture	84.8	0.0	84.8
Total	Lumens	5330.5	0.0	5330.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.7	1.2
10°-20°	169.3	3.2
20°-30°	309.6	5.8
30°-40°	628.5	11.8
40°-50°	964.6	18.1
50°-60°	1162.8	21.8
60°-70°	1124.6	21.1
70°-80°	780.1	14.6
80°-90°	127.4	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°	5330.5	100.0
0°-180°	5330.5	100.0

Coefficient of Utilization



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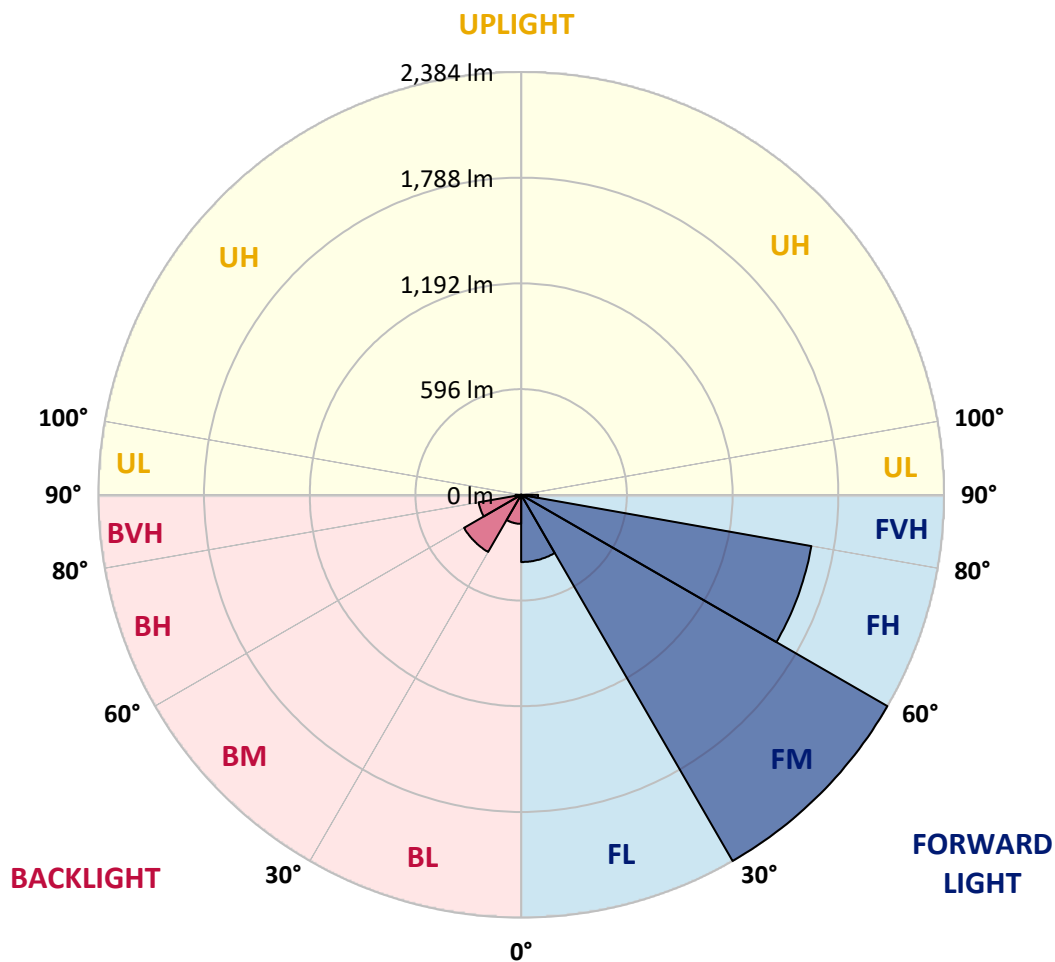
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	378.9	7.1			
FM	(30°-60°)	2383.9	44.7			
FH	(60°-80°)	1661.4	31.2			G1/1800
FVH	(80°-90°)	95.4	1.8			G1/100
BL	(0°-30°)	163.7	3.1	B1/500		
BM	(30°-60°)	371.9	7.0	B1/1000		
BH	(60°-80°)	243.2	4.6	B1/500		G1/500
BVH	(80°-90°)	32.0	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4
2.5°	799.8	876.2	839.0	882.1	903.6	889.9	878.2	848.8	823.3	813.5	788.0
5°	882.1	880.1	870.3	866.4	848.8	827.2	809.6	907.6	872.3	854.6	809.6
7.5°	782.1	848.8	897.8	923.2	923.2	897.8	870.3	750.8	811.5	795.8	731.2
10°	982.1	982.1	980.1	982.1	805.6	848.8	729.2	678.2	656.7	707.6	656.7
12.5°	835.0	907.6	989.9	1019.3	938.9	801.7	746.8	717.4	562.6	550.8	582.2
15°	982.1	987.9	995.8	876.2	744.9	850.7	650.8	644.9	744.9	727.2	735.1
17.5°	788.0	795.8	966.4	944.8	866.4	644.9	811.5	725.3	688.0	664.5	662.5
20°	993.8	997.7	995.8	746.8	799.8	878.2	840.9	639.0	801.7	811.5	821.3
22.5°	840.9	842.9	852.7	950.7	809.6	915.4	758.6	952.7	786.0	809.6	611.6
25°	1131.0	1131.0	1095.7	856.6	980.1	835.0	923.2	819.4	1031.1	1003.6	919.3
27.5°	1054.6	1046.7	1005.6	1060.5	884.0	1056.5	913.4	1029.1	1119.3	1080.1	1115.3
30°	1481.9	1491.7	1438.8	1101.6	1076.1	1013.4	1052.6	1219.2	1523.1	1501.5	1340.8
32.5°	1983.7	1891.6	1650.5	1427.0	1176.1	1236.9	1176.1	1438.8	1630.9	1634.8	1419.2
35°	2226.8	2218.9	2115.0	1683.8	1352.5	1352.5	1319.2	1501.5	1770.0	1744.6	1503.5
37.5°	2420.8	2409.1	2336.5	1903.3	1511.3	1503.5	1395.7	1597.6	1928.8	1864.1	1595.6
40°	2585.5	2569.8	2507.1	2056.2	1683.8	1646.6	1489.7	1707.3	2052.3	2058.2	1683.8
42.5°	2695.3	2689.4	2644.3	2195.4	1826.9	1760.2	1615.2	1848.5	2183.6	2217.0	1793.6
45°	2781.5	2779.5	2740.3	2348.3	1928.8	1864.1	1748.5	1954.3	2364.0	2383.6	1911.2
47.5°	2791.3	2799.1	2799.1	2424.8	1999.4	1956.3	1885.7	2048.4	2593.3	2552.2	2048.4
50°	2689.4	2697.2	2746.2	2552.2	2060.2	2032.7	2003.3	2162.1	2803.1	2742.3	2193.5
52.5°	2428.7	2446.3	2579.6	2489.4	2091.5	2089.6	2113.1	2309.1	3016.7	2952.0	2385.5
55°	1868.1	1879.8	2211.1	2305.2	2081.7	2103.3	2195.4	2491.4	3281.4	3224.5	2587.4
57.5°	1427.0	1460.3	1668.1	1956.3	1973.9	2091.5	2248.3	2618.8	3495.0	3438.2	2773.7
60°	1148.7	1172.2	1293.7	1546.6	1742.6	2040.6	2320.9	2777.6	3702.8	3675.4	2973.6
62.5°	899.7	915.4	999.7	1166.3	1415.3	1921.0	2365.9	2950.1	3941.9	3928.2	3234.3
65°	644.9	660.6	735.1	844.8	1093.8	1695.6	2344.4	3114.7	4263.4	4249.7	3487.2
67.5°	470.4	474.4	523.4	597.9	776.2	1372.1	2238.5	3218.6	4577.0	4549.6	3681.2
70°	362.6	366.6	390.1	417.5	495.9	1038.9	1991.6	3140.2	4761.3	4714.3	3710.6
72.5°	294.0	294.0	303.8	317.6	339.1	678.2	1564.2	2832.5	4675.0	4582.9	3465.6
75°	247.0	247.0	252.9	248.9	237.2	423.4	1087.9	2365.9	4281.1	4165.4	3016.7
77.5°	207.8	205.8	205.8	207.8	184.3	288.1	664.5	1823.0	3459.7	3348.0	2236.6
80°	170.5	170.5	170.5	170.5	150.9	205.8	396.0	1209.4	1987.6	1734.8	1025.2
82.5°	125.5	127.4	133.3	133.3	125.5	150.9	205.8	505.7	680.2	601.8	362.6
85°	58.8	60.8	78.4	82.3	80.4	74.5	107.8	227.4	317.6	288.1	84.3
87.5°	2.0	2.0	7.8	17.6	15.7	11.8	21.6	31.4	11.8	13.7	9.8
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°	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4
2.5°	770.4	752.7	711.5	676.3	639.0	613.5	556.7	515.5	494.0	490.0	495.9
5°	774.3	735.1	652.7	548.9	470.4	450.8	443.0	441.0	439.1	439.1	439.1
7.5°	682.1	631.2	507.7	431.2	443.0	443.0	443.0	437.1	401.8	386.2	386.2
10°	601.8	535.1	378.3	348.9	350.9	368.5	415.6	464.6	474.4	476.3	478.3
12.5°	521.4	456.7	321.5	339.1	305.8	362.6	429.3	478.3	431.2	407.7	407.7
15°	656.7	564.5	372.4	297.9	301.9	362.6	327.4	443.0	474.4	476.3	478.3
17.5°	592.0	497.9	347.0	313.6	331.3	276.4	374.4	419.5	386.2	382.2	378.3
20°	719.4	592.0	362.6	311.7	309.7	335.2	317.6	317.6	431.2	431.2	431.2
22.5°	533.2	439.1	352.8	350.9	296.0	331.3	315.6	352.8	339.1	333.2	333.2
25°	782.1	619.4	386.2	307.7	317.6	292.1	325.4	290.1	358.7	362.6	362.6
27.5°	938.9	727.2	419.5	341.1	292.1	313.6	268.5	292.1	276.4	278.3	278.3
30°	1119.3	852.7	521.4	356.8	299.9	258.7	266.6	252.9	299.9	294.0	292.1
32.5°	1168.3	860.5	501.8	378.3	292.1	260.7	241.1	260.7	278.3	303.8	303.8
35°	1225.1	868.4	474.4	360.7	286.2	243.1	239.1	260.7	282.3	274.4	274.4
37.5°	1278.0	874.2	452.8	339.1	262.7	237.2	237.2	241.1	262.7	250.9	250.9
40°	1338.8	876.2	427.3	315.6	243.1	233.3	219.5	223.5	225.4	217.6	215.6
42.5°	1407.4	874.2	397.9	294.0	225.4	217.6	207.8	207.8	213.7	211.7	209.7
45°	1481.9	872.3	366.6	268.5	205.8	196.0	190.1	213.7	223.5	223.5	219.5
47.5°	1572.1	872.3	337.2	239.1	192.1	176.4	172.5	198.0	217.6	221.5	225.4
50°	1676.0	868.4	309.7	217.6	178.4	164.7	170.5	196.0	211.7	217.6	215.6
52.5°	1811.2	860.5	286.2	199.9	168.6	150.9	160.7	190.1	209.7	211.7	209.7
55°	1928.8	833.1	262.7	192.1	160.7	143.1	154.9	188.2	205.8	205.8	205.8
57.5°	2028.8	793.9	243.1	186.2	158.8	141.1	152.9	186.2	198.0	203.9	203.9
60°	2150.3	744.9	229.3	184.3	156.8	139.2	150.9	184.3	194.1	201.9	201.9
62.5°	2275.8	703.7	221.5	184.3	150.9	141.1	150.9	184.3	192.1	201.9	199.9
65°	2377.7	650.8	213.7	188.2	149.0	141.1	150.9	184.3	190.1	199.9	199.9
67.5°	2371.8	578.3	203.9	198.0	150.9	143.1	150.9	182.3	186.2	199.9	196.0
70°	2238.5	494.0	188.2	196.0	156.8	143.1	149.0	176.4	178.4	196.0	190.1
72.5°	1997.4	399.9	166.6	184.3	156.8	145.1	145.1	168.6	168.6	188.2	176.4
75°	1672.0	307.7	137.2	162.7	149.0	149.0	137.2	158.8	154.9	166.6	154.9
77.5°	1246.7	233.3	105.9	135.3	135.3	147.0	131.3	147.0	141.1	143.1	137.2
80°	519.4	141.1	80.4	105.9	115.7	143.1	125.5	133.3	119.6	119.6	115.7
82.5°	215.6	90.2	54.9	66.6	78.4	127.4	119.6	113.7	98.0	90.2	84.3
85°	78.4	49.0	37.2	45.1	51.0	88.2	86.2	72.5	56.8	62.7	51.0
87.5°	5.9	7.8	7.8	9.8	9.8	11.8	19.6	19.6	11.8	9.8	5.9
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)