

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: P559921

Luminaire Tested: **SDL-PA1-100-827-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559921
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-PA1-100-827-U-T2R
Description: Springdale
(1) 80 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7515 lumens
Efficiency: N/A
Efficacy: 80.1 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 - G2

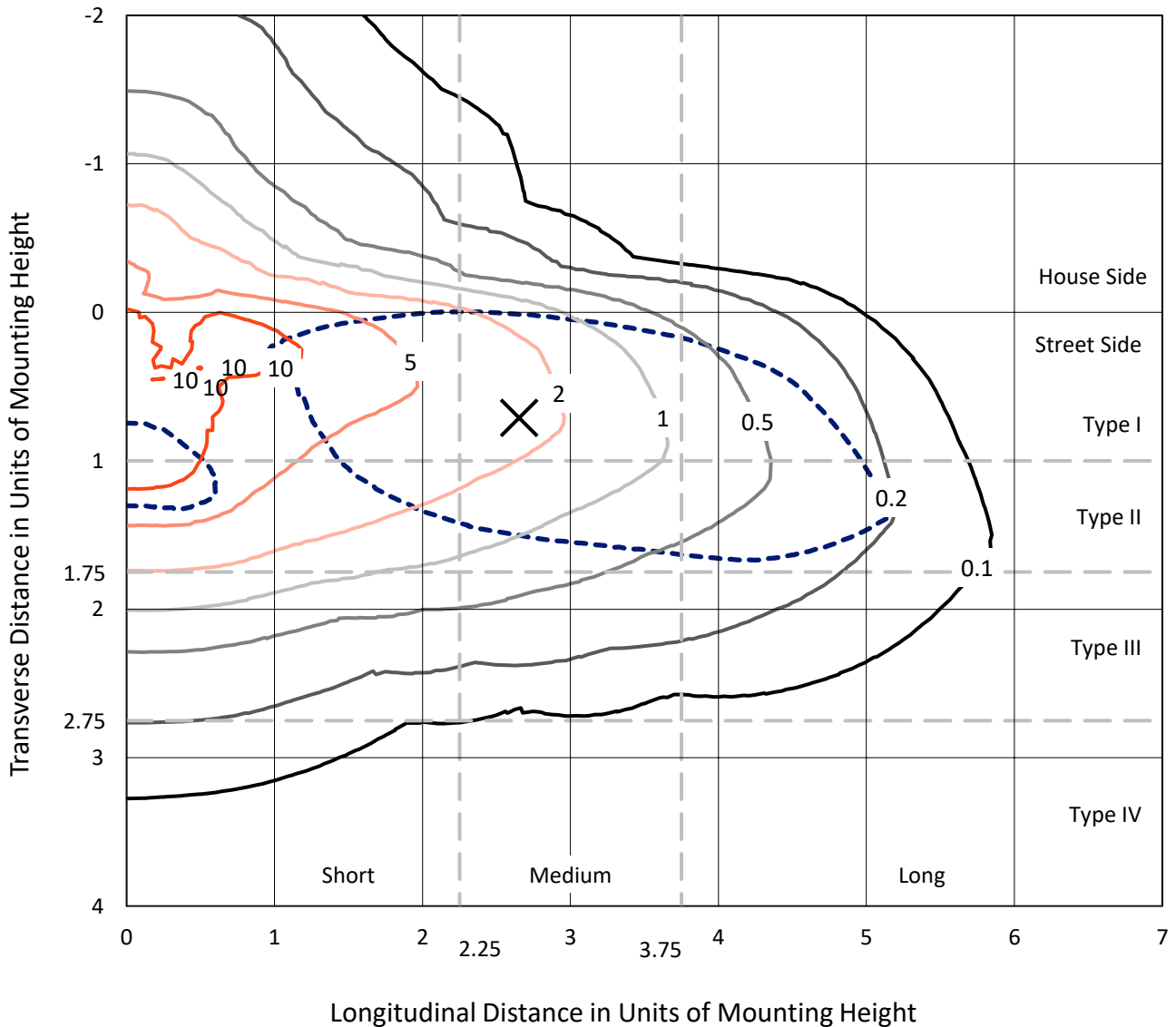
Input Watts (W): 93.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

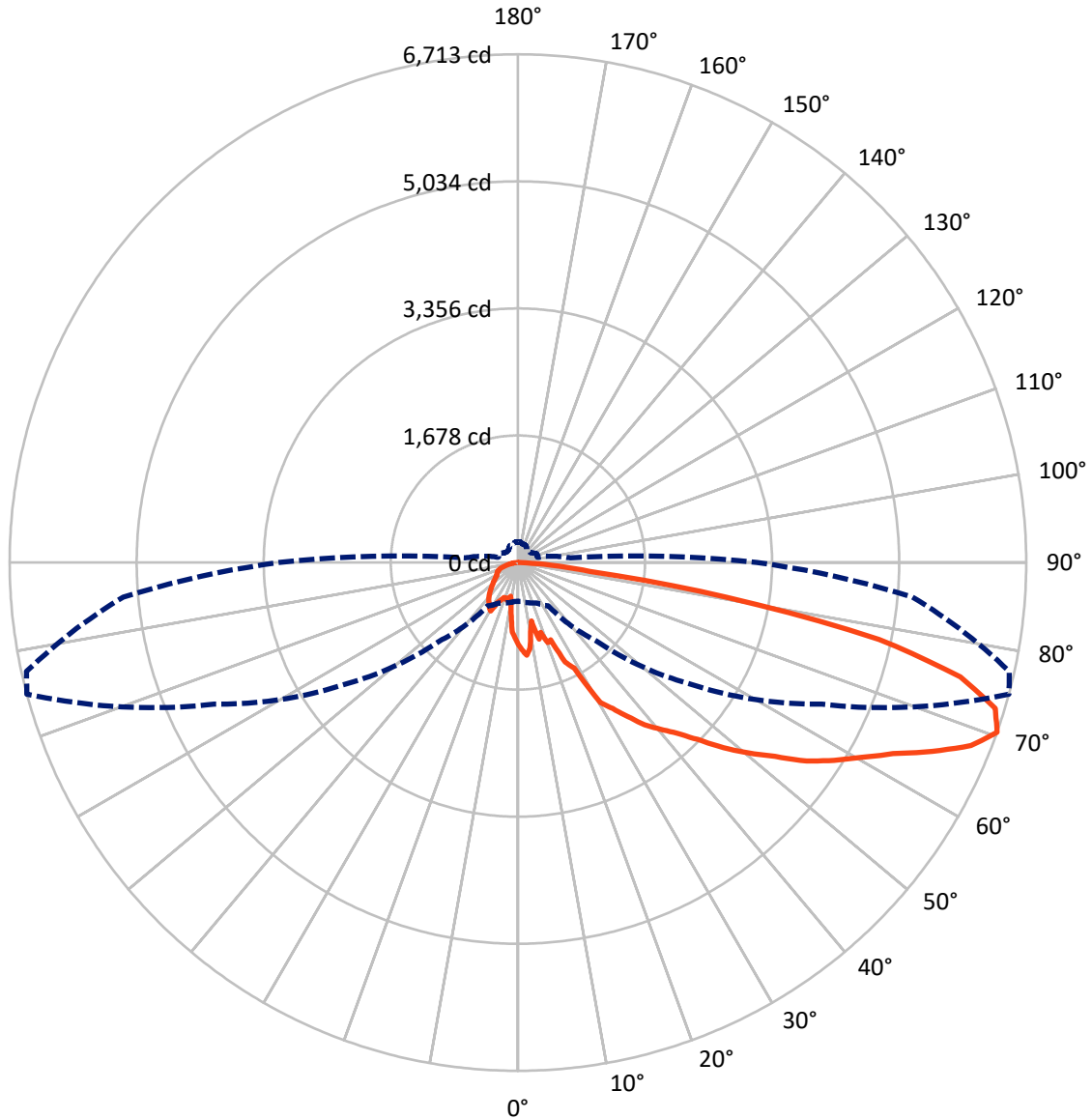
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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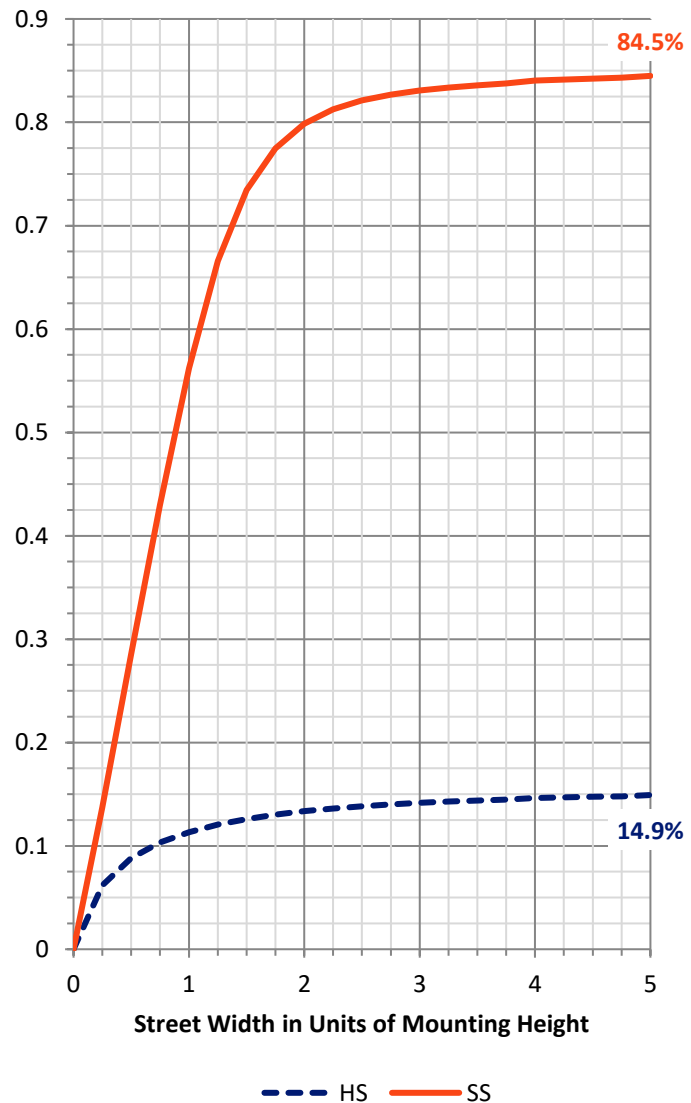
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1143.2	0.0	1143.2
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	6371.8	0.0	6371.8
	% Fixture	84.8	0.0	84.8
Total	Lumens	7515.0	0.0	7515.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.8	1.2
10°-20°	238.7	3.2
20°-30°	436.5	5.8
30°-40°	886.0	11.8
40°-50°	1359.8	18.1
50°-60°	1639.4	21.8
60°-70°	1585.4	21.1
70°-80°	1099.8	14.6
80°-90°	179.6	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°	7515.0	100.0
0°-180°	7515.0	100.0



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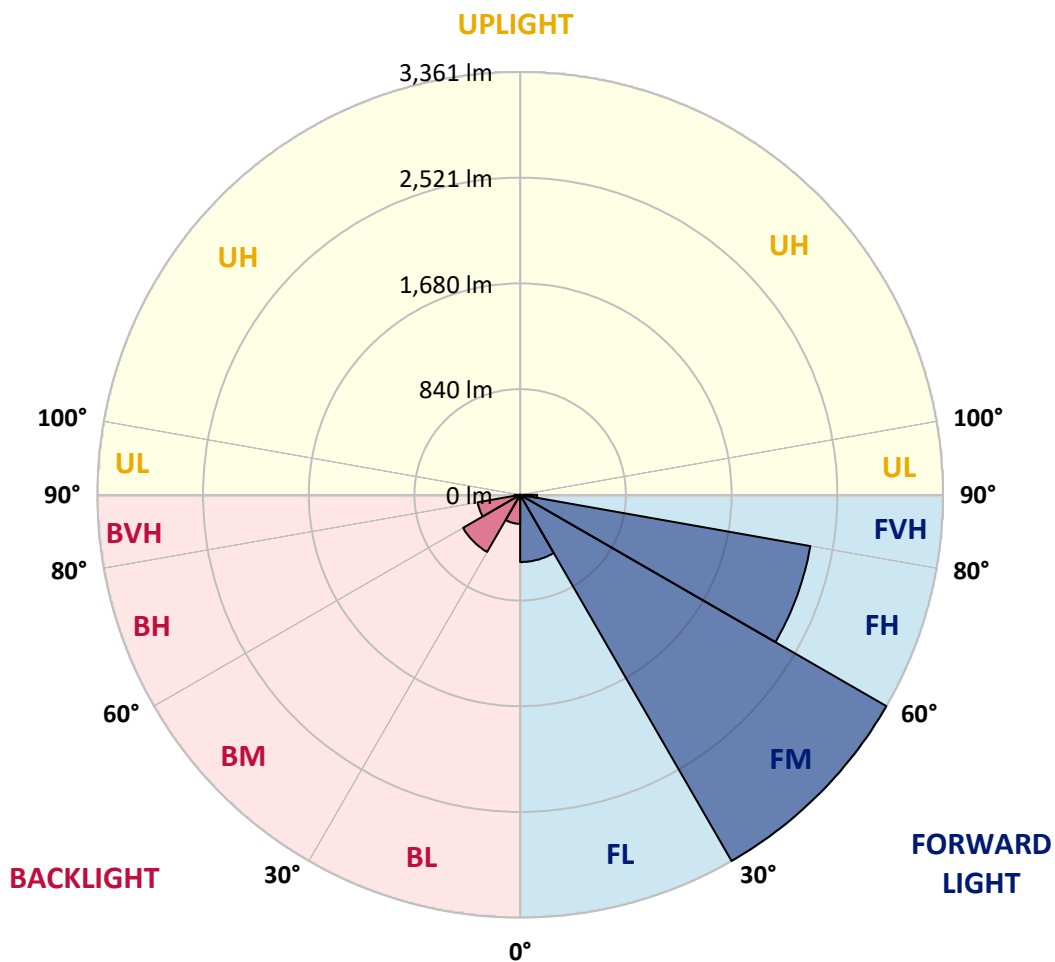
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	534.2	7.1			
FM (30°-60°)	3360.9	44.7			
FH (60°-80°)	2342.3	31.2			G2/5000
FVH (80°-90°)	134.5	1.8			G2/225
BL (0°-30°)	230.8	3.1	B1/500		
BM (30°-60°)	524.4	7.0	B1/1000		
BH (60°-80°)	342.9	4.6	B1/500		G1/500
BVH (80°-90°)	45.1	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-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1
2.5°	1127.5	1235.3	1182.8	1243.6	1274.0	1254.6	1238.1	1196.6	1160.7	1146.9	1110.9
5°	1243.6	1240.8	1227.0	1221.5	1196.6	1166.2	1141.3	1279.5	1229.8	1204.9	1141.3
7.5°	1102.6	1196.6	1265.7	1301.6	1301.6	1265.7	1227.0	1058.4	1144.1	1122.0	1030.8
10°	1384.5	1384.5	1381.8	1384.5	1135.8	1196.6	1028.0	956.2	925.8	997.6	925.8
12.5°	1177.3	1279.5	1395.6	1437.0	1323.7	1130.3	1052.9	1011.4	793.1	776.5	820.8
15°	1384.5	1392.8	1403.9	1235.3	1050.1	1199.4	917.5	909.2	1050.1	1025.3	1036.3
17.5°	1110.9	1122.0	1362.4	1332.0	1221.5	909.2	1144.1	1022.5	970.0	936.8	934.1
20°	1401.1	1406.6	1403.9	1052.9	1127.5	1238.1	1185.5	900.9	1130.3	1144.1	1157.9
22.5°	1185.5	1188.3	1202.1	1340.3	1141.3	1290.6	1069.5	1343.1	1108.2	1141.3	862.2
25°	1594.5	1594.5	1544.8	1207.7	1381.8	1177.3	1301.6	1155.1	1453.6	1414.9	1296.1
27.5°	1486.8	1475.7	1417.7	1495.1	1246.3	1489.5	1287.8	1450.8	1578.0	1522.7	1572.4
30°	2089.2	2103.0	2028.4	1553.1	1517.2	1428.7	1484.0	1718.9	2147.2	2116.8	1890.2
32.5°	2796.7	2666.8	2326.9	2011.8	1658.1	1743.8	1658.1	2028.4	2299.2	2304.8	2000.8
35°	3139.3	3128.3	2981.8	2373.9	1906.8	1906.8	1859.8	2116.8	2495.4	2459.5	2119.6
37.5°	3412.9	3396.4	3294.1	2683.4	2130.7	2119.6	1967.6	2252.3	2719.3	2628.1	2249.5
40°	3645.1	3623.0	3534.5	2898.9	2373.9	2321.3	2100.3	2407.0	2893.4	2901.7	2373.9
42.5°	3799.8	3791.5	3728.0	3095.1	2575.6	2481.6	2277.1	2606.0	3078.5	3125.5	2528.6
45°	3921.4	3918.7	3863.4	3310.7	2719.3	2628.1	2465.0	2755.2	3332.8	3360.4	2694.4
47.5°	3935.2	3946.3	3946.3	3418.5	2818.8	2758.0	2658.5	2887.9	3656.1	3598.1	2887.9
50°	3791.5	3802.6	3871.7	3598.1	2904.4	2865.8	2824.3	3048.1	3951.8	3866.1	3092.4
52.5°	3424.0	3448.9	3636.8	3509.7	2948.7	2945.9	2979.1	3255.4	4253.0	4161.8	3363.2
55°	2633.6	2650.2	3117.2	3249.9	2934.8	2965.2	3095.1	3512.4	4626.1	4546.0	3647.8
57.5°	2011.8	2058.8	2351.7	2758.0	2782.9	2948.7	3169.7	3692.0	4927.3	4847.2	3910.4
60°	1619.4	1652.6	1823.9	2180.4	2456.8	2876.8	3272.0	3915.9	5220.3	5181.6	4192.2
62.5°	1268.4	1290.6	1409.4	1644.3	1995.3	2708.2	3335.6	4159.1	5557.4	5538.1	4559.8
65°	909.2	931.3	1036.3	1191.1	1542.0	2390.4	3305.2	4391.2	6010.6	5991.3	4916.3
67.5°	663.2	668.8	737.9	842.9	1094.3	1934.5	3155.9	4537.7	6452.8	6414.1	5189.9
70°	511.2	516.8	549.9	588.6	699.2	1464.7	2807.7	4427.1	6712.6	6646.2	5231.3
72.5°	414.5	414.5	428.3	447.7	478.1	956.2	2205.3	3993.3	6591.0	6461.1	4885.9
75°	348.2	348.2	356.5	351.0	334.4	596.9	1533.7	3335.6	6035.5	5872.5	4253.0
77.5°	292.9	290.2	290.2	292.9	259.8	406.2	936.8	2570.1	4877.6	4720.1	3153.2
80°	240.4	240.4	240.4	240.4	212.8	290.2	558.2	1705.1	2802.2	2445.7	1445.3
82.5°	176.9	179.6	187.9	187.9	176.9	212.8	290.2	713.0	958.9	848.4	511.2
85°	82.9	85.7	110.5	116.1	113.3	105.0	152.0	320.6	447.7	406.2	118.8
87.5°	2.8	2.8	11.1	24.9	22.1	16.6	30.4	44.2	16.6	19.3	13.8
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°	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1
2.5°	1086.1	1061.2	1003.2	953.4	900.9	865.0	784.8	726.8	696.4	690.9	699.2
5°	1091.6	1036.3	920.2	773.8	663.2	635.6	624.6	621.8	619.0	619.0	619.0
7.5°	961.7	889.8	715.7	608.0	624.6	624.6	624.6	616.3	566.5	544.4	544.4
10°	848.4	754.4	533.4	491.9	494.7	519.5	585.9	655.0	668.8	671.5	674.3
12.5°	735.1	643.9	453.2	478.1	431.1	511.2	605.2	674.3	608.0	574.8	574.8
15°	925.8	795.9	525.1	420.1	425.6	511.2	461.5	624.6	668.8	671.5	674.3
17.5°	834.6	701.9	489.1	442.2	467.0	389.7	527.8	591.4	544.4	538.9	533.4
20°	1014.2	834.6	511.2	439.4	436.6	472.6	447.7	447.7	608.0	608.0	608.0
22.5°	751.7	619.0	497.4	494.7	417.3	467.0	444.9	497.4	478.1	469.8	469.8
25°	1102.6	873.3	544.4	433.9	447.7	411.8	458.7	409.0	505.7	511.2	511.2
27.5°	1323.7	1025.3	591.4	480.9	411.8	442.2	378.6	411.8	389.7	392.4	392.4
30°	1578.0	1202.1	735.1	503.0	422.8	364.8	375.8	356.5	422.8	414.5	411.8
32.5°	1647.1	1213.2	707.5	533.4	411.8	367.5	339.9	367.5	392.4	428.3	428.3
35°	1727.2	1224.2	668.8	508.5	403.5	342.7	337.1	367.5	397.9	386.9	386.9
37.5°	1801.8	1232.5	638.4	478.1	370.3	334.4	334.4	339.9	370.3	353.7	353.7
40°	1887.5	1235.3	602.4	444.9	342.7	328.9	309.5	315.0	317.8	306.7	304.0
42.5°	1984.2	1232.5	561.0	414.5	317.8	306.7	292.9	292.9	301.2	298.5	295.7
45°	2089.2	1229.8	516.8	378.6	290.2	276.4	268.1	301.2	315.0	315.0	309.5
47.5°	2216.3	1229.8	475.3	337.1	270.8	248.7	243.2	279.1	306.7	312.3	317.8
50°	2362.8	1224.2	436.6	306.7	251.5	232.1	240.4	276.4	298.5	306.7	304.0
52.5°	2553.5	1213.2	403.5	281.9	237.7	212.8	226.6	268.1	295.7	298.5	295.7
55°	2719.3	1174.5	370.3	270.8	226.6	201.7	218.3	265.3	290.2	290.2	290.2
57.5°	2860.2	1119.2	342.7	262.5	223.8	199.0	215.6	262.5	279.1	287.4	287.4
60°	3031.6	1050.1	323.3	259.8	221.1	196.2	212.8	259.8	273.6	284.6	284.6
62.5°	3208.4	992.1	312.3	259.8	212.8	199.0	212.8	259.8	270.8	284.6	281.9
65°	3352.1	917.5	301.2	265.3	210.0	199.0	212.8	259.8	268.1	281.9	281.9
67.5°	3343.8	815.2	287.4	279.1	212.8	201.7	212.8	257.0	262.5	281.9	276.4
70°	3155.9	696.4	265.3	276.4	221.1	201.7	210.0	248.7	251.5	276.4	268.1
72.5°	2816.0	563.8	234.9	259.8	221.1	204.5	204.5	237.7	237.7	265.3	248.7
75°	2357.3	433.9	193.4	229.4	210.0	210.0	193.4	223.8	218.3	234.9	218.3
77.5°	1757.6	328.9	149.2	190.7	190.7	207.3	185.2	207.3	199.0	201.7	193.4
80°	732.3	199.0	113.3	149.2	163.0	201.7	176.9	187.9	168.6	168.6	163.0
82.5°	304.0	127.1	77.4	94.0	110.5	179.6	168.6	160.3	138.2	127.1	118.8
85°	110.5	69.1	52.5	63.6	71.9	124.4	121.6	102.2	80.1	88.4	71.9
87.5°	8.3	11.1	11.1	13.8	13.8	16.6	27.6	27.6	16.6	13.8	8.3
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)