

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: P560273

Luminaire Tested: **SDL-PA1-30-827-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560273
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-PA1-30-827-U-T2R
Description: Springdale
(1) 80 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: 2768.9 lumens
Efficiency: N/A
Efficacy: 92.0 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

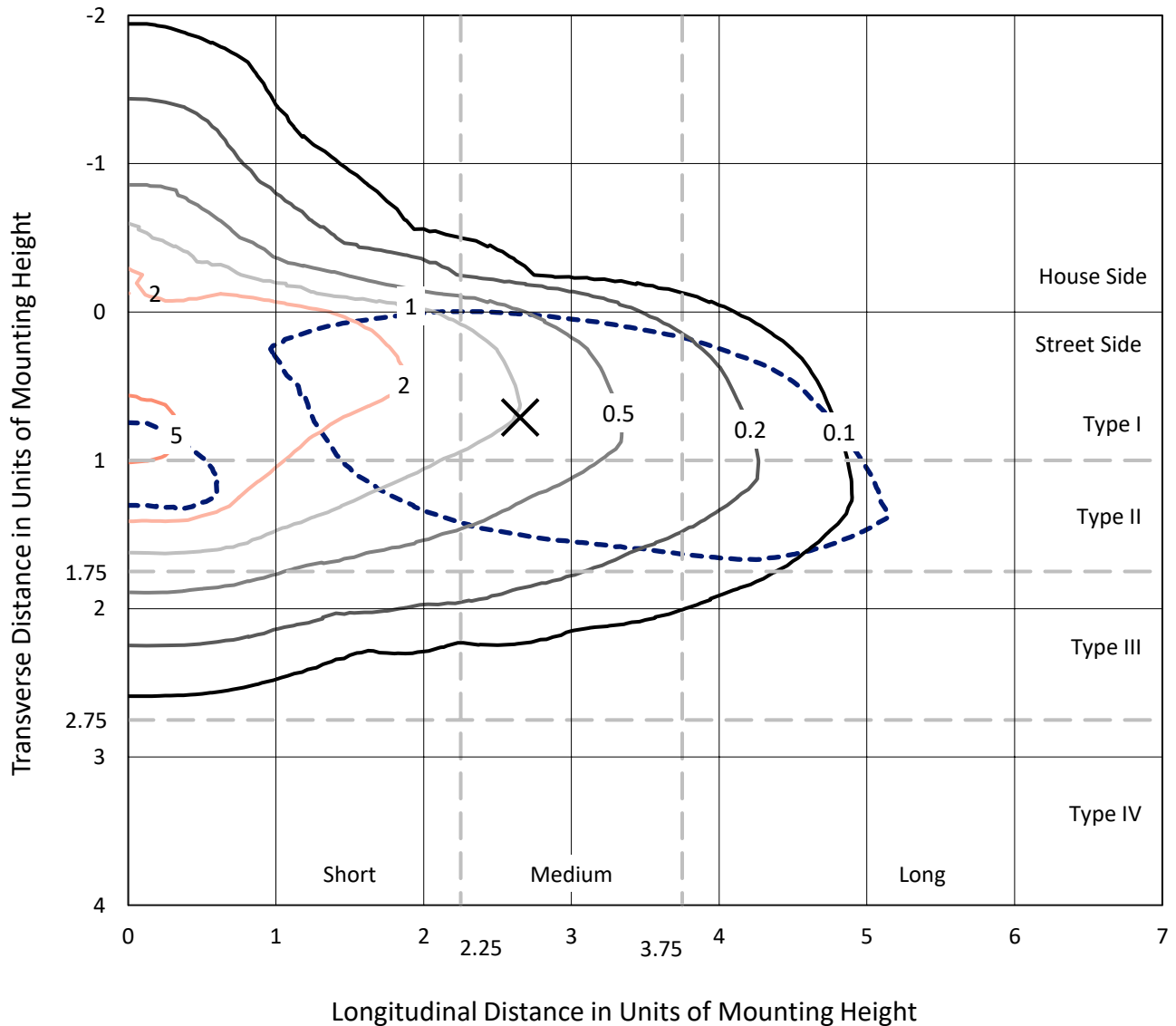
Input Watts (W): 30.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

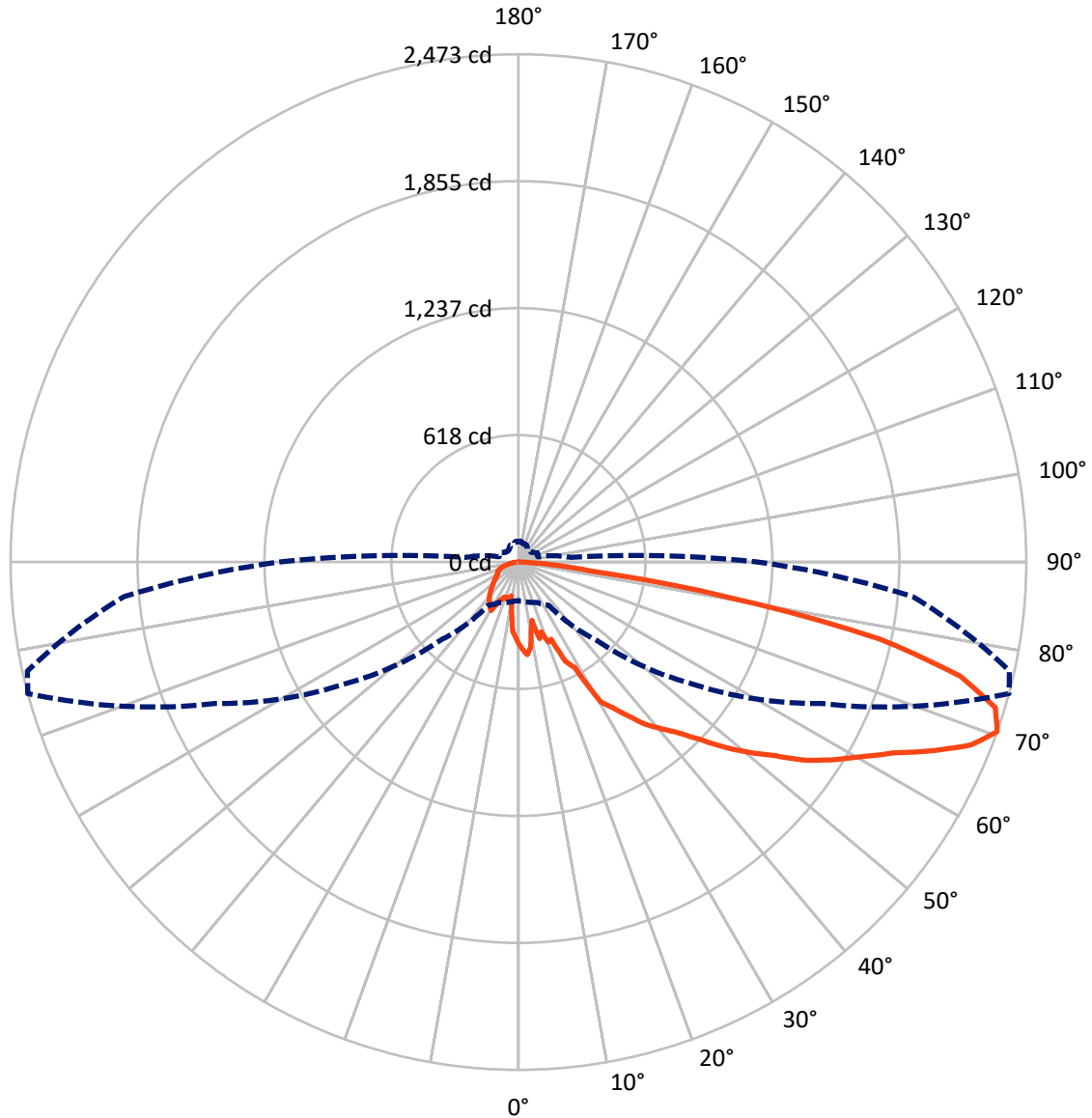
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.3 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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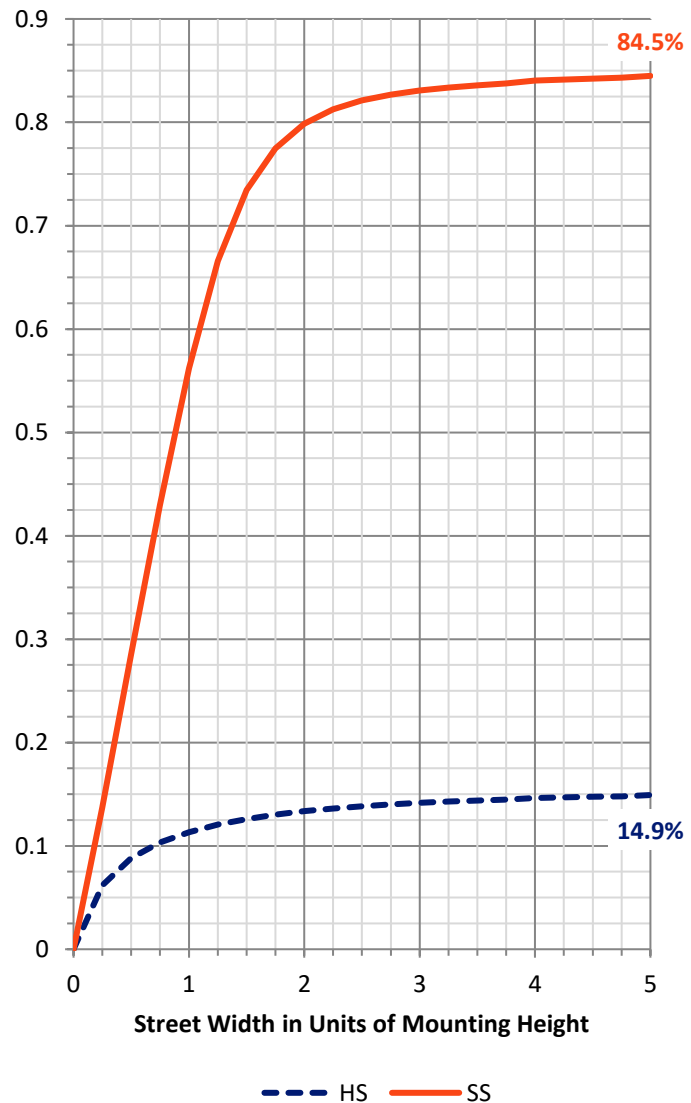
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	421.2	0.0	421.2
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	2347.7	0.0	2347.7
	% Fixture	84.8	0.0	84.8
Total	Lumens	2768.9	0.0	2768.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.1	1.2
10°-20°	88.0	3.2
20°-30°	160.8	5.8
30°-40°	326.5	11.8
40°-50°	501.0	18.1
50°-60°	604.0	21.8
60°-70°	584.1	21.1
70°-80°	405.2	14.6
80°-90°	66.2	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°	2768.9	100.0
0°-180°	2768.9	100.0



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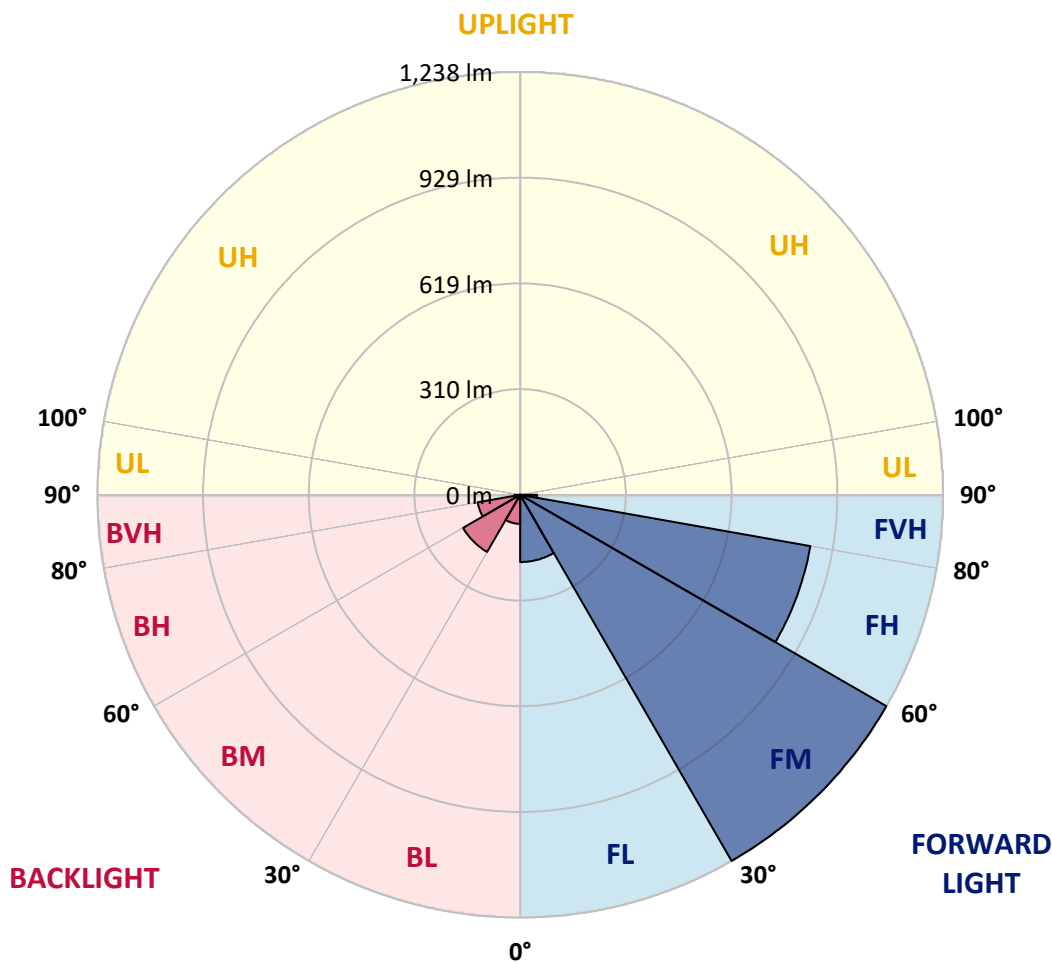
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	196.8	7.1			
FM (30°-60°)	1238.3	44.7			
FH (60°-80°)	863.0	31.2			G1/1800
FVH (80°-90°)	49.6	1.8			G1/100
BL (0°-30°)	85.0	3.1	B0/110		
BM (30°-60°)	193.2	7.0	B0/220		
BH (60°-80°)	126.3	4.6	B1/500		G1/500
BVH (80°-90°)	16.6	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°	400.2	400.2	400.2	400.2	400.2	400.2	400.2	400.2	400.2	400.2	400.2
2.5°	415.4	455.1	435.8	458.2	469.4	462.3	456.2	440.9	427.6	422.6	409.3
5°	458.2	457.2	452.1	450.0	440.9	429.7	420.5	471.4	453.1	443.9	420.5
7.5°	406.3	440.9	466.3	479.6	479.6	466.3	452.1	390.0	421.5	413.4	379.8
10°	510.1	510.1	509.1	510.1	418.5	440.9	378.8	352.3	341.1	367.6	341.1
12.5°	433.8	471.4	514.2	529.5	487.7	416.4	387.9	372.7	292.2	286.1	302.4
15°	510.1	513.2	517.2	455.1	386.9	441.9	338.0	335.0	386.9	377.8	381.8
17.5°	409.3	413.4	502.0	490.8	450.0	335.0	421.5	376.7	357.4	345.2	344.2
20°	516.2	518.3	517.2	387.9	415.4	456.2	436.8	331.9	416.4	421.5	426.6
22.5°	436.8	437.8	442.9	493.8	420.5	475.5	394.0	494.8	408.3	420.5	317.7
25°	587.5	587.5	569.2	445.0	509.1	433.8	479.6	425.6	535.6	521.3	477.5
27.5°	547.8	543.7	522.3	550.8	459.2	548.8	474.5	534.6	581.4	561.0	579.4
30°	769.8	774.9	747.4	572.2	559.0	526.4	546.8	633.3	791.1	779.9	696.5
32.5°	1030.4	982.6	857.3	741.3	610.9	642.5	610.9	747.4	847.1	849.2	737.2
35°	1156.7	1152.6	1098.6	874.6	702.6	702.6	685.3	779.9	919.4	906.2	781.0
37.5°	1257.5	1251.4	1213.7	988.7	785.0	781.0	725.0	829.8	1001.9	968.3	828.8
40°	1343.0	1334.9	1302.3	1068.1	874.6	855.3	773.8	886.9	1066.1	1069.1	874.6
42.5°	1400.0	1397.0	1373.6	1140.4	949.0	914.3	839.0	960.2	1134.3	1151.6	931.7
45°	1444.8	1443.8	1423.4	1219.8	1001.9	968.3	908.2	1015.1	1228.0	1238.1	992.7
47.5°	1449.9	1454.0	1454.0	1259.5	1038.6	1016.2	979.5	1064.0	1347.1	1325.7	1064.0
50°	1397.0	1401.0	1426.5	1325.7	1070.1	1055.9	1040.6	1123.1	1456.0	1424.5	1139.4
52.5°	1261.6	1270.7	1340.0	1293.1	1086.4	1085.4	1097.6	1199.4	1567.0	1533.4	1239.2
55°	970.3	976.5	1148.5	1197.4	1081.3	1092.5	1140.4	1294.1	1704.5	1674.9	1344.0
57.5°	741.3	758.6	866.5	1016.2	1025.3	1086.4	1167.9	1360.3	1815.5	1785.9	1440.8
60°	596.7	608.9	672.0	803.4	905.2	1059.9	1205.6	1442.8	1923.4	1909.1	1544.6
62.5°	467.4	475.5	519.3	605.8	735.1	997.8	1229.0	1532.4	2047.6	2040.5	1680.0
65°	335.0	343.1	381.8	438.8	568.2	880.7	1217.8	1617.9	2214.6	2207.5	1811.4
67.5°	244.4	246.4	271.9	310.6	403.2	712.7	1162.8	1671.9	2377.5	2363.2	1912.2
70°	188.4	190.4	202.6	216.9	257.6	539.6	1034.5	1631.2	2473.2	2448.8	1927.5
72.5°	152.7	152.7	157.8	164.9	176.1	352.3	812.5	1471.3	2428.4	2380.6	1800.2
75°	128.3	128.3	131.3	129.3	123.2	219.9	565.1	1229.0	2223.8	2163.7	1567.0
77.5°	107.9	106.9	106.9	107.9	95.7	149.7	345.2	946.9	1797.1	1739.1	1161.8
80°	88.6	88.6	88.6	88.6	78.4	106.9	205.7	628.2	1032.5	901.1	532.5
82.5°	65.2	66.2	69.2	69.2	65.2	78.4	106.9	262.7	353.3	312.6	188.4
85°	30.5	31.6	40.7	42.8	41.7	38.7	56.0	118.1	164.9	149.7	43.8
87.5°	1.0	1.0	4.1	9.2	8.1	6.1	11.2	16.3	6.1	7.1	5.1
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°	400.2	400.2	400.2	400.2	400.2	400.2	400.2	400.2	400.2	400.2	400.2
2.5°	400.2	391.0	369.6	351.3	331.9	318.7	289.2	267.8	256.6	254.6	257.6
5°	402.2	381.8	339.1	285.1	244.4	234.2	230.1	229.1	228.1	228.1	228.1
7.5°	354.3	327.9	263.7	224.0	230.1	230.1	230.1	227.1	208.7	200.6	200.6
10°	312.6	278.0	196.5	181.2	182.3	191.4	215.9	241.3	246.4	247.4	248.4
12.5°	270.8	237.2	167.0	176.1	158.8	188.4	223.0	248.4	224.0	211.8	211.8
15°	341.1	293.2	193.5	154.8	156.8	188.4	170.0	230.1	246.4	247.4	248.4
17.5°	307.5	258.6	180.2	162.9	172.1	143.6	194.5	217.9	200.6	198.5	196.5
20°	373.7	307.5	188.4	161.9	160.9	174.1	164.9	164.9	224.0	224.0	224.0
22.5°	277.0	228.1	183.3	182.3	153.7	172.1	163.9	183.3	176.1	173.1	173.1
25°	406.3	321.8	200.6	159.9	164.9	151.7	169.0	150.7	186.3	188.4	188.4
27.5°	487.7	377.8	217.9	177.2	151.7	162.9	139.5	151.7	143.6	144.6	144.6
30°	581.4	442.9	270.8	185.3	155.8	134.4	138.5	131.3	155.8	152.7	151.7
32.5°	606.8	447.0	260.7	196.5	151.7	135.4	125.2	135.4	144.6	157.8	157.8
35°	636.4	451.1	246.4	187.3	148.7	126.3	124.2	135.4	146.6	142.5	142.5
37.5°	663.9	454.1	235.2	176.1	136.4	123.2	123.2	125.2	136.4	130.3	130.3
40°	695.4	455.1	222.0	163.9	126.3	121.2	114.0	116.1	117.1	113.0	112.0
42.5°	731.1	454.1	206.7	152.7	117.1	113.0	107.9	107.9	111.0	110.0	108.9
45°	769.8	453.1	190.4	139.5	106.9	101.8	98.8	111.0	116.1	116.1	114.0
47.5°	816.6	453.1	175.1	124.2	99.8	91.6	89.6	102.8	113.0	115.1	117.1
50°	870.6	451.1	160.9	113.0	92.7	85.5	88.6	101.8	110.0	113.0	112.0
52.5°	940.8	447.0	148.7	103.9	87.6	78.4	83.5	98.8	108.9	110.0	108.9
55°	1001.9	432.7	136.4	99.8	83.5	74.3	80.4	97.7	106.9	106.9	106.9
57.5°	1053.8	412.4	126.3	96.7	82.5	73.3	79.4	96.7	102.8	105.9	105.9
60°	1117.0	386.9	119.1	95.7	81.5	72.3	78.4	95.7	100.8	104.9	104.9
62.5°	1182.1	365.5	115.1	95.7	78.4	73.3	78.4	95.7	99.8	104.9	103.9
65°	1235.1	338.0	111.0	97.7	77.4	73.3	78.4	95.7	98.8	103.9	103.9
67.5°	1232.0	300.4	105.9	102.8	78.4	74.3	78.4	94.7	96.7	103.9	101.8
70°	1162.8	256.6	97.7	101.8	81.5	74.3	77.4	91.6	92.7	101.8	98.8
72.5°	1037.5	207.7	86.5	95.7	81.5	75.3	75.3	87.6	87.6	97.7	91.6
75°	868.5	159.9	71.3	84.5	77.4	77.4	71.3	82.5	80.4	86.5	80.4
77.5°	647.6	121.2	55.0	70.3	70.3	76.4	68.2	76.4	73.3	74.3	71.3
80°	269.8	73.3	41.7	55.0	60.1	74.3	65.2	69.2	62.1	62.1	60.1
82.5°	112.0	46.8	28.5	34.6	40.7	66.2	62.1	59.1	50.9	46.8	43.8
85°	40.7	25.5	19.3	23.4	26.5	45.8	44.8	37.7	29.5	32.6	26.5
87.5°	3.1	4.1	4.1	5.1	5.1	6.1	10.2	10.2	6.1	5.1	3.1
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)