

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: P560182

Luminaire Tested: **SDL-PA1-30-730-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560182
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-19)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-30-730-U-T2R-A
Description: Springdale
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2838.4 lumens
Efficiency: N/A
Efficacy: 94.3 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 - U2 - 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



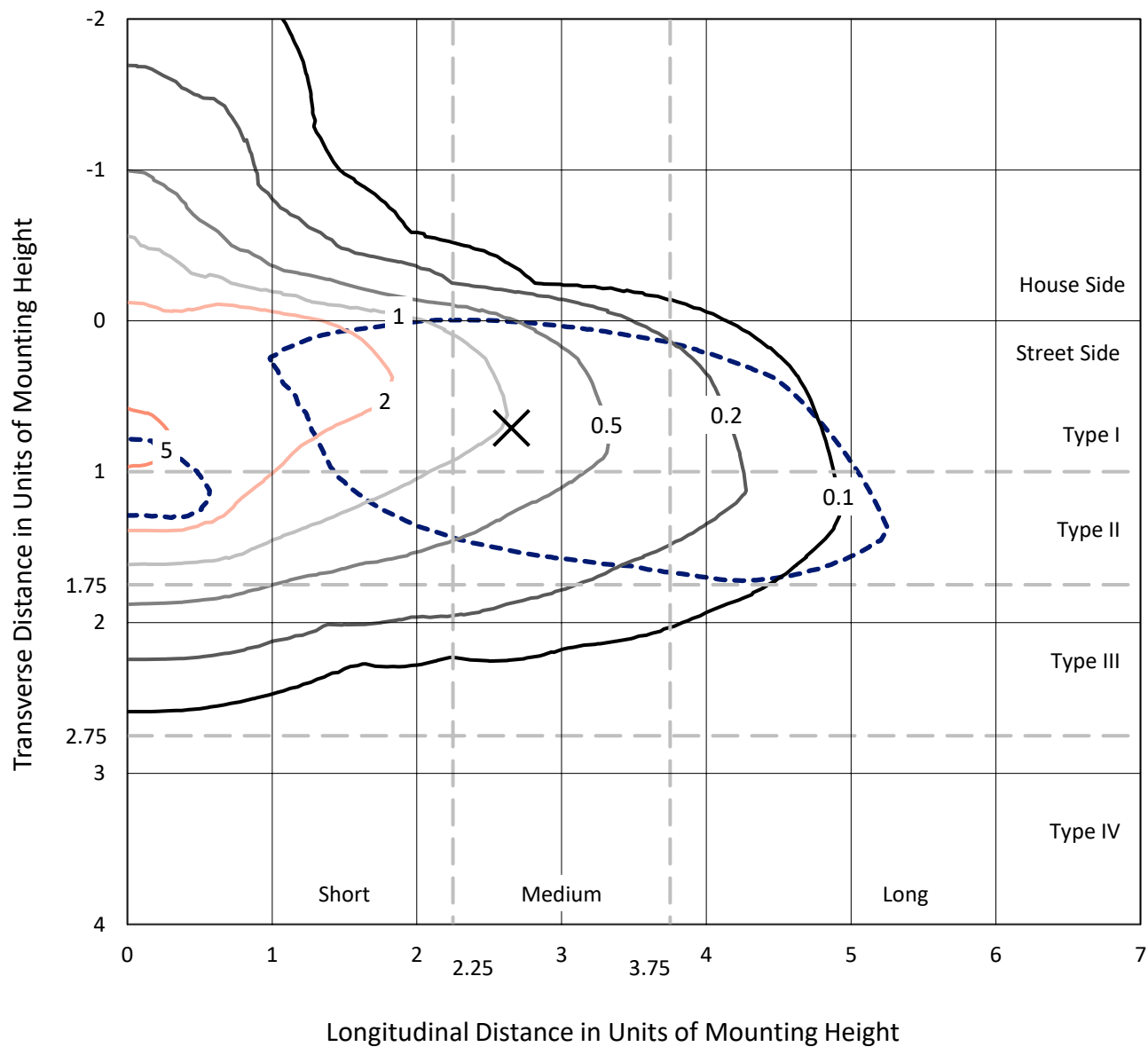
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



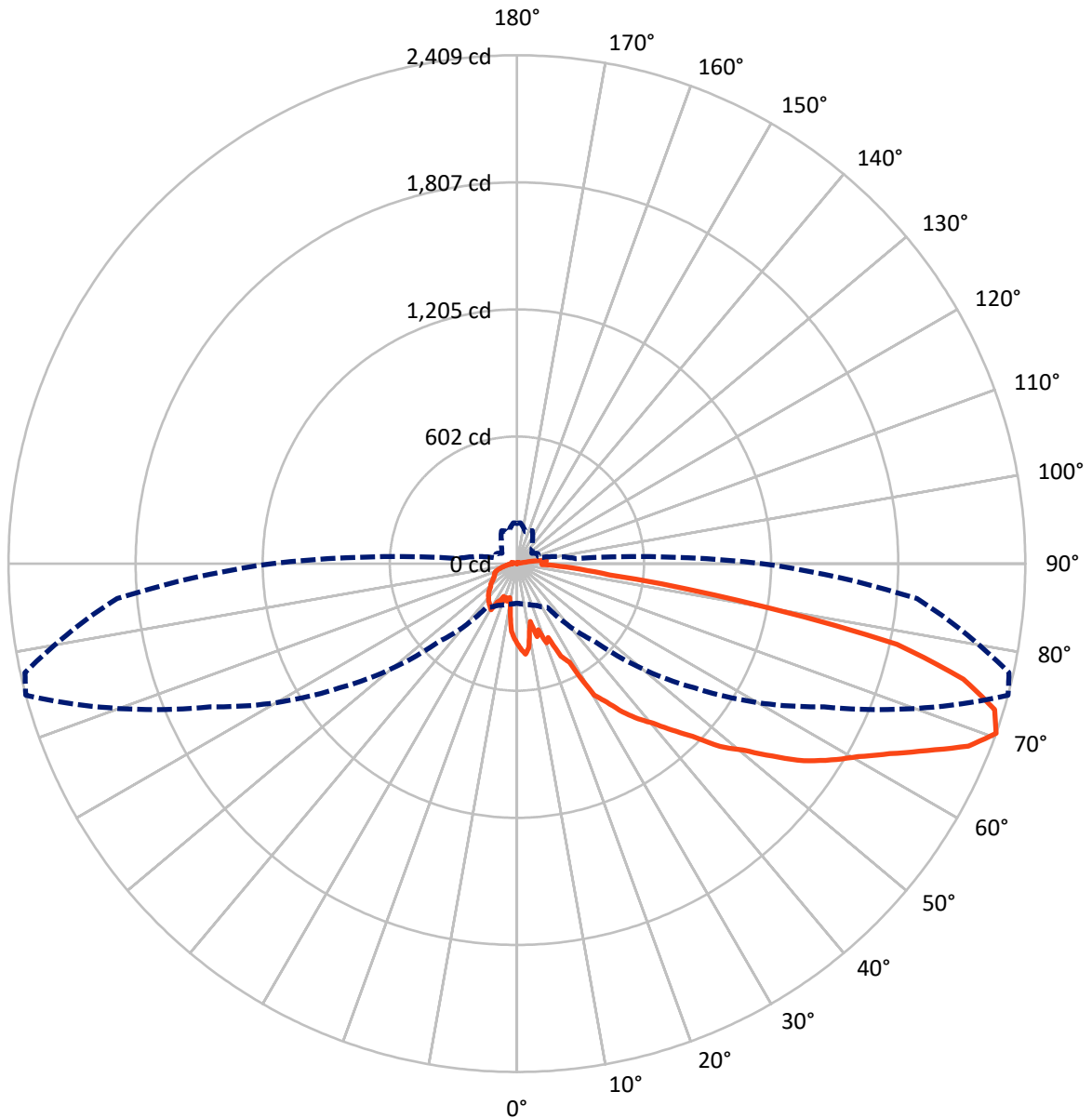
Based on 10 foot mounting height. Maximum calculated value = 5.9 fc

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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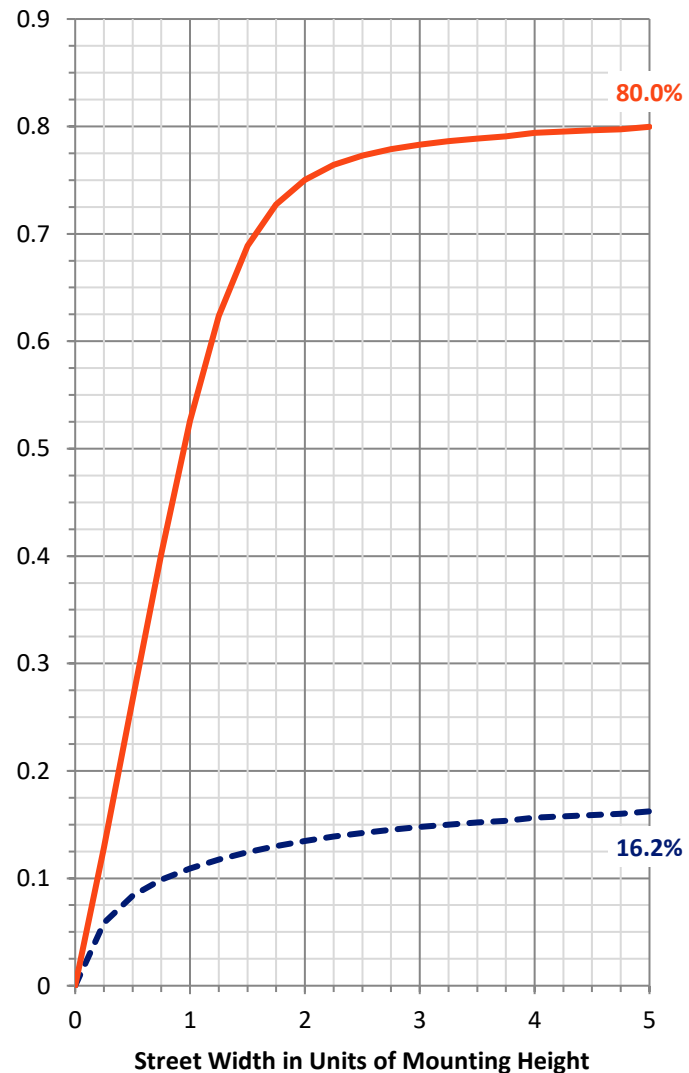
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	485.3	29.0	514.2
	% Fixture	17.1	1.0	18.1
Street Side	Lumens	2287.5	36.7	2324.2
	% Fixture	80.6	1.3	81.9
Total	Lumens	2772.7	65.7	2838.4
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.7	1.1
10°-20°	82.8	2.9
20°-30°	149.5	5.3
30°-40°	305.4	10.8
40°-50°	479.6	16.9
50°-60°	589.0	20.7
60°-70°	585.8	20.6
70°-80°	433.3	15.3
80°-90°	115.7	4.1
90°-100°	42.8	1.5
100°-110°	10.0	0.4
110°-120°	4.7	0.2
120°-130°	4.2	0.1
130°-140°	2.0	0.1
140°-150°	1.0	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2772.7	97.7
0°-180°	2838.4	100.0



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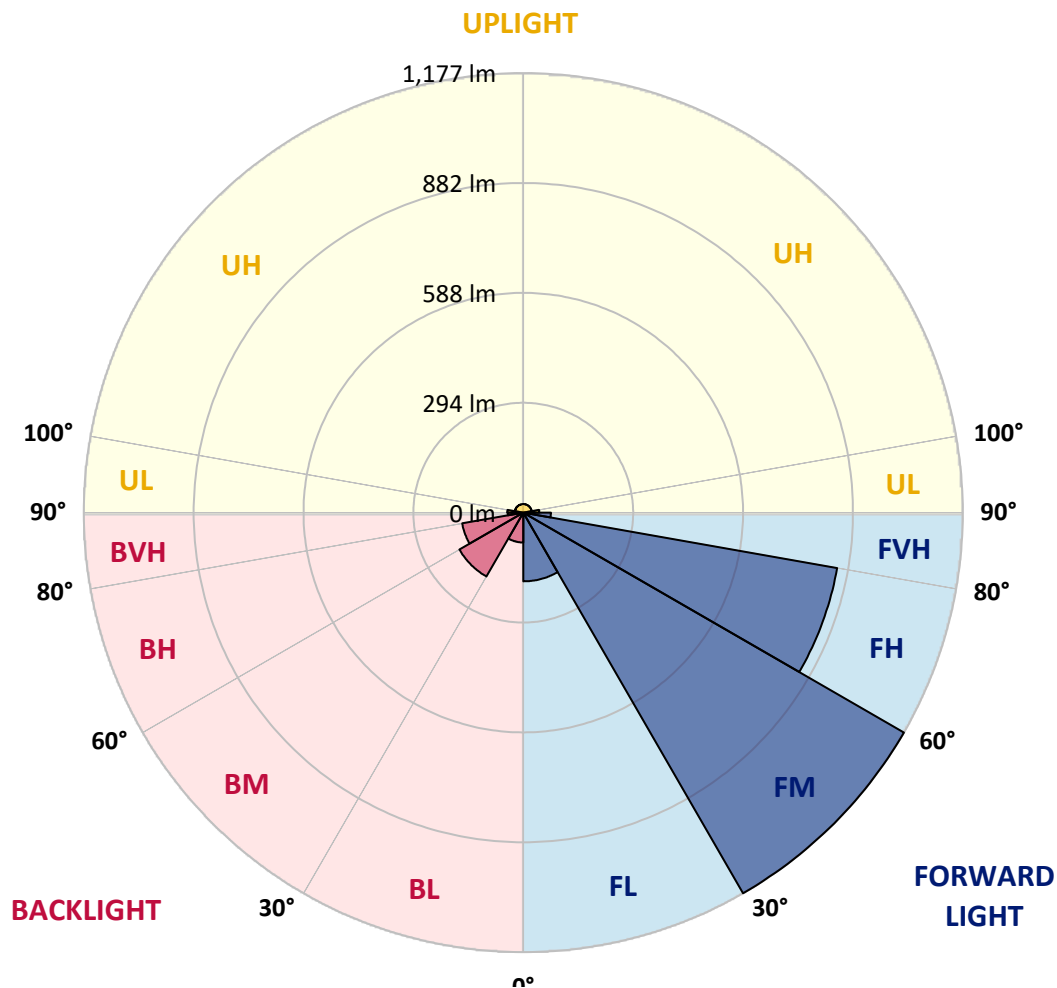
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	184.0	6.5			
FM	(30°-60°)	1176.6	41.5			
FH	(60°-80°)	853.0	30.1			G1/1800
FVH	(80°-90°)	73.9	2.6			G1/100
BL	(0°-30°)	80.0	2.8	B0/110		
BM	(30°-60°)	197.4	7.0	B0/220		
BH	(60°-80°)	166.0	5.8	B1/500		G1/500
BVH	(80°-90°)	41.9	1.5			G1/100
UL	(90°-100°)	42.8	1.5		U2/50	
UH	(100°-180°)	22.9	0.8		U2/50	

BUG Rating: B1-U2-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	380.5	380.5	380.5	380.5	380.5	380.5	380.5	380.5	380.5	380.5	380.5
2.5°	394.9	417.1	427.1	438.1	448.1	442.6	433.7	420.4	408.2	403.8	390.4
5°	435.9	433.7	432.6	429.3	423.7	413.7	401.5	449.2	430.4	422.6	400.4
7.5°	383.8	444.8	451.5	458.1	455.9	443.7	428.2	384.9	401.5	391.6	363.8
10°	469.2	469.2	467.0	469.2	443.7	423.7	362.7	337.2	325.0	351.6	326.1
12.5°	399.3	434.8	479.2	488.1	449.2	393.8	368.3	356.1	280.6	277.3	297.3
15°	464.8	470.3	471.4	473.6	382.7	412.6	340.5	316.1	358.3	348.3	351.6
17.5°	373.8	379.4	451.5	447.0	411.5	329.4	398.2	357.2	329.4	317.2	312.8
20°	470.3	471.4	468.1	378.2	397.1	430.4	372.7	361.6	401.5	400.4	383.8
22.5°	400.4	401.5	413.7	455.9	410.4	434.8	374.9	451.5	380.5	381.6	296.2
25°	535.8	536.9	525.8	406.0	461.4	408.2	454.8	406.0	485.8	470.3	433.7
27.5°	562.4	521.3	479.2	503.6	440.4	506.9	432.6	491.4	528.0	524.7	530.2
30°	713.2	715.4	686.6	551.3	515.8	500.3	499.2	583.5	723.2	728.8	636.7
32.5°	966.1	952.8	810.8	680.0	555.7	610.1	560.2	675.5	782.0	778.7	682.2
35°	1081.5	1068.2	1014.9	839.7	642.2	658.9	632.3	718.8	863.0	837.5	727.7
37.5°	1179.1	1176.9	1132.5	925.1	729.9	754.3	675.5	772.0	932.9	906.2	774.2
40°	1263.4	1255.6	1216.8	1001.6	819.7	820.8	729.9	836.4	995.0	1001.6	819.7
42.5°	1333.3	1326.6	1294.5	1078.2	873.0	879.6	787.5	901.8	1078.2	1090.4	890.7
45°	1362.1	1365.5	1343.3	1146.9	920.7	932.9	856.3	968.4	1166.9	1176.9	953.9
47.5°	1383.2	1384.3	1378.8	1203.5	971.7	977.2	924.0	1028.3	1295.6	1275.6	1028.3
50°	1335.5	1331.1	1336.6	1246.8	1016.0	1022.7	980.6	1090.4	1387.6	1362.1	1105.9
52.5°	1210.2	1215.7	1273.4	1224.6	1030.5	1043.8	1033.8	1144.7	1515.2	1495.2	1216.8
55°	895.1	919.5	1085.9	1133.6	1029.4	1052.7	1082.6	1247.9	1649.4	1619.5	1311.1
57.5°	724.3	724.3	821.9	978.3	972.8	1047.1	1132.5	1317.8	1755.9	1734.8	1405.4
60°	581.2	581.2	634.5	776.5	863.0	1019.4	1183.5	1420.9	1856.8	1844.6	1488.6
62.5°	455.9	454.8	499.2	579.0	707.7	958.4	1210.2	1509.7	1983.3	1981.1	1621.7
65°	329.4	333.9	371.6	421.5	555.7	844.1	1209.1	1589.5	2135.3	2141.9	1771.4
67.5°	244.0	246.2	267.3	303.9	381.6	699.9	1155.8	1645.0	2307.2	2296.1	1866.8
70°	187.5	190.8	199.7	218.5	254.0	520.2	1027.1	1606.2	2409.2	2388.2	1902.3
72.5°	157.5	158.6	157.5	167.5	169.7	352.7	823.0	1458.6	2367.1	2333.8	1804.7
75°	134.2	133.1	132.0	134.2	125.3	232.9	590.1	1234.6	2185.2	2127.5	1594.0
77.5°	115.4	114.3	109.8	110.9	99.8	171.9	402.6	968.4	1841.3	1706.0	1198.0
80°	95.4	95.4	92.1	92.1	84.3	130.9	257.3	667.8	1072.6	965.0	623.4
82.5°	74.3	73.2	73.2	75.4	72.1	102.0	168.6	332.8	442.6	414.8	291.7
85°	39.9	39.9	45.5	51.0	49.9	62.1	128.7	196.3	261.8	252.9	163.1
87.5°	12.2	12.2	13.3	16.6	17.7	33.3	81.0	95.4	118.7	130.9	128.7
90°	13.3	12.2	8.9	10.0	11.1	24.4	75.4	92.1	119.8	133.1	136.4
92.5°	15.5	14.4	8.9	8.9	11.1	20.0	72.1	89.8	130.9	144.2	147.5
95°	16.6	15.5	8.9	8.9	11.1	17.7	64.3	88.7	139.8	157.5	157.5
97.5°	15.5	14.4	6.7	7.8	10.0	15.5	49.9	73.2	97.6	107.6	124.2
100°	13.3	13.3	4.4	6.7	8.9	11.1	28.8	39.9	28.8	27.7	27.7
102.5°	12.2	12.2	4.4	5.5	6.7	7.8	13.3	21.1	6.7	7.8	10.0
105°	12.2	13.3	3.3	4.4	4.4	4.4	6.7	11.1	5.5	6.7	10.0
107.5°	12.2	13.3	3.3	3.3	4.4	3.3	3.3	4.4	5.5	6.7	11.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	7.8	7.8	2.2	3.3	3.3	3.3	2.2	3.3	5.5	7.8	11.1
115°	5.5	4.4	2.2	3.3	2.2	3.3	2.2	3.3	5.5	7.8	10.0
117.5°	4.4	3.3	2.2	2.2	2.2	2.2	1.1	3.3	6.7	8.9	12.2
120°	4.4	4.4	2.2	2.2	2.2	2.2	1.1	3.3	10.0	11.1	15.5
122.5°	4.4	4.4	2.2	2.2	2.2	2.2	1.1	2.2	8.9	12.2	16.6
125°	4.4	4.4	2.2	2.2	2.2	2.2	1.1	2.2	7.8	11.1	14.4
127.5°	4.4	4.4	2.2	1.1	2.2	2.2	2.2	2.2	6.7	8.9	12.2
130°	4.4	4.4	2.2	1.1	2.2	2.2	2.2	2.2	5.5	6.7	10.0
132.5°	3.3	3.3	2.2	1.1	2.2	1.1	1.1	2.2	4.4	5.5	7.8
135°	2.2	2.2	2.2	1.1	2.2	1.1	1.1	1.1	2.2	3.3	5.5
137.5°	1.1	2.2	1.1	1.1	2.2	1.1	1.1	1.1	1.1	1.1	2.2
140°	1.1	1.1	1.1	1.1	2.2	1.1	1.1	1.1	1.1	1.1	1.1
142.5°	1.1	1.1	1.1	1.1	2.2	2.2	1.1	1.1	1.1	1.1	1.1
145°	1.1	1.1	1.1	1.1	3.3	2.2	1.1	1.1	1.1	1.1	1.1
147.5°	1.1	1.1	1.1	4.4	3.3	2.2	1.1	1.1	1.1	1.1	1.1
150°	5.5	5.5	5.5	4.4	3.3	2.2	3.3	1.1	1.1	1.1	1.1
152.5°	5.5	5.5	6.7	3.3	2.2	1.1	1.1	4.4	3.3	2.2	2.2
155°	4.4	3.3	3.3	1.1	1.1	1.1	1.1	1.1	3.3	4.4	4.4
157.5°	1.1	1.1	2.2	1.1	1.1	1.1	1.1	1.1	2.2	1.1	1.1
160°	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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°	380.5	380.5	380.5	380.5	380.5	380.5	380.5	380.5	380.5	380.5	380.5
2.5°	382.7	373.8	352.7	337.2	318.3	301.7	287.3	255.1	249.6	246.2	245.1
5°	382.7	363.8	322.8	272.9	234.0	225.2	220.7	220.7	218.5	219.6	220.7
7.5°	339.4	313.9	251.8	213.0	219.6	219.6	220.7	215.2	197.4	199.7	196.3
10°	297.3	265.1	189.7	173.0	189.7	190.8	216.3	226.3	229.6	230.7	230.7
12.5°	274.0	228.5	164.2	169.7	153.1	175.3	206.3	230.7	209.6	198.6	198.6
15°	315.0	270.7	184.1	148.6	150.9	175.3	156.4	218.5	226.3	228.5	228.5
17.5°	282.9	238.5	168.6	153.1	168.6	144.2	176.4	200.8	191.9	181.9	180.8
20°	339.4	281.7	188.6	149.7	148.6	170.8	156.4	164.2	205.2	206.3	205.2
22.5°	264.0	225.2	167.5	169.7	148.6	163.1	154.2	169.7	161.9	160.8	161.9
25°	366.0	291.7	193.0	146.4	155.3	144.2	155.3	143.1	171.9	174.1	175.3
27.5°	448.1	348.3	205.2	158.6	135.3	147.5	138.7	143.1	133.1	138.7	140.9
30°	533.5	406.0	250.7	175.3	143.1	126.5	128.7	127.6	144.2	143.1	140.9
32.5°	561.3	413.7	239.6	183.0	142.0	127.6	117.6	125.3	137.5	147.5	148.6
35°	589.0	419.3	230.7	175.3	138.7	119.8	115.4	128.7	138.7	139.8	143.1
37.5°	621.2	423.7	221.8	164.2	128.7	117.6	114.3	119.8	142.0	139.8	136.4
40°	651.1	425.9	210.8	154.2	117.6	115.4	106.5	119.8	125.3	129.8	132.0
42.5°	704.4	439.3	201.9	145.3	109.8	109.8	102.0	112.0	128.7	130.9	129.8
45°	743.2	434.8	189.7	137.5	102.0	97.6	99.8	122.0	129.8	143.1	140.9
47.5°	798.6	445.9	175.3	125.3	95.4	89.8	94.3	118.7	133.1	143.1	145.3
50°	853.0	443.7	163.1	115.4	91.0	85.4	104.3	115.4	130.9	147.5	147.5
52.5°	924.0	447.0	157.5	106.5	85.4	85.4	107.6	116.5	134.2	145.3	145.3
55°	987.2	434.8	144.2	103.2	84.3	82.1	108.7	120.9	135.3	145.3	146.4
57.5°	1033.8	410.4	134.2	99.8	83.2	84.3	108.7	130.9	126.5	145.3	148.6
60°	1084.8	383.8	125.3	99.8	83.2	87.6	112.0	138.7	138.7	152.0	152.0
62.5°	1154.7	367.2	120.9	100.9	81.0	91.0	122.0	150.9	139.8	160.8	161.9
65°	1213.5	345.0	117.6	105.4	82.1	95.4	127.6	160.8	146.4	170.8	169.7
67.5°	1214.6	311.7	113.1	109.8	83.2	98.7	127.6	167.5	154.2	179.7	176.4
70°	1161.4	278.4	106.5	109.8	86.5	102.0	127.6	171.9	155.3	194.1	190.8
72.5°	1047.1	227.4	96.5	105.4	92.1	106.5	134.2	170.8	155.3	209.6	206.3
75°	890.7	181.9	83.2	96.5	92.1	112.0	138.7	169.7	149.7	199.7	193.0
77.5°	677.7	148.6	69.9	84.3	87.6	114.3	138.7	167.5	145.3	186.3	181.9
80°	349.4	104.3	56.6	72.1	82.1	112.0	137.5	158.6	129.8	165.3	163.1
82.5°	191.9	76.5	45.5	53.2	68.8	105.4	133.1	143.1	114.3	135.3	129.8
85°	124.2	55.5	36.6	43.3	57.7	87.6	112.0	113.1	81.0	97.6	92.1
87.5°	93.2	32.2	23.3	26.6	39.9	48.8	71.0	73.2	51.0	59.9	56.6
90°	97.6	32.2	24.4	27.7	35.5	36.6	52.1	55.5	39.9	45.5	45.5
92.5°	104.3	32.2	25.5	28.8	32.2	28.8	41.0	45.5	33.3	36.6	35.5
95°	106.5	31.1	27.7	29.9	28.8	23.3	33.3	36.6	27.7	27.7	27.7
97.5°	77.6	22.2	27.7	29.9	26.6	18.9	25.5	28.8	17.7	14.4	14.4
100°	21.1	11.1	26.6	28.8	23.3	15.5	22.2	22.2	11.1	7.8	7.8
102.5°	8.9	8.9	23.3	25.5	17.7	10.0	15.5	15.5	7.8	3.3	3.3
105°	8.9	6.7	16.6	18.9	12.2	5.5	7.8	8.9	5.5	3.3	3.3
107.5°	8.9	6.7	7.8	10.0	5.5	4.4	4.4	4.4	3.3	3.3	3.3



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.1	7.8	4.4	5.5	4.4	3.3	3.3	3.3	4.4	10.0	10.0
115°	10.0	6.7	4.4	4.4	3.3	3.3	2.2	2.2	4.4	12.2	12.2
117.5°	11.1	7.8	4.4	4.4	3.3	2.2	2.2	2.2	5.5	14.4	14.4
120°	13.3	8.9	4.4	3.3	2.2	2.2	2.2	2.2	6.7	15.5	15.5
122.5°	14.4	10.0	4.4	3.3	2.2	1.1	2.2	3.3	7.8	15.5	15.5
125°	12.2	8.9	4.4	3.3	2.2	1.1	2.2	3.3	7.8	14.4	15.5
127.5°	11.1	7.8	4.4	2.2	2.2	1.1	1.1	3.3	6.7	11.1	13.3
130°	8.9	6.7	3.3	2.2	2.2	1.1	1.1	2.2	6.7	10.0	12.2
132.5°	7.8	5.5	3.3	2.2	2.2	1.1	1.1	2.2	6.7	8.9	8.9
135°	5.5	4.4	2.2	2.2	2.2	1.1	2.2	1.1	4.4	7.8	7.8
137.5°	3.3	2.2	2.2	2.2	2.2	1.1	1.1	1.1	3.3	4.4	4.4
140°	1.1	1.1	2.2	2.2	2.2	1.1	1.1	1.1	2.2	2.2	2.2
142.5°	1.1	1.1	2.2	2.2	2.2	1.1	1.1	1.1	2.2	2.2	2.2
145°	1.1	1.1	1.1	2.2	2.2	1.1	1.1	1.1	1.1	1.1	2.2
147.5°	1.1	1.1	1.1	2.2	1.1	1.1	1.1	1.1	1.1	1.1	2.2
150°	1.1	1.1	1.1	2.2	2.2	1.1	1.1	2.2	2.2	2.2	2.2
152.5°	1.1	1.1	2.2	2.2	1.1	1.1	1.1	2.2	2.2	2.2	2.2
155°	3.3	3.3	2.2	2.2	1.1	1.1	0.0	1.1	2.2	2.2	2.2
157.5°	1.1	1.1	2.2	1.1	1.1	1.1	0.0	1.1	1.1	1.1	1.1
160°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	1.1	1.1	1.1	1.1
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



Report Generated By 670245982



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110° | 11.1 11.1 2.2 3.3 3.3 3.3 2.2 3.3 5.5 7.8 11.1



110°	10.0	6.7	4.4	5.5	4.4	3.3	3.3	3.3	3.3	4.4	5.5
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(END OF REPORT)