

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: P560292

Luminaire Tested: **SDL-PA1-30-830-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560292
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-PA1-30-830-U-T2R-A
Description: Springdale
(1) 80 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: 2476.7 lumens
Efficiency: N/A
Efficacy: 82.3 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



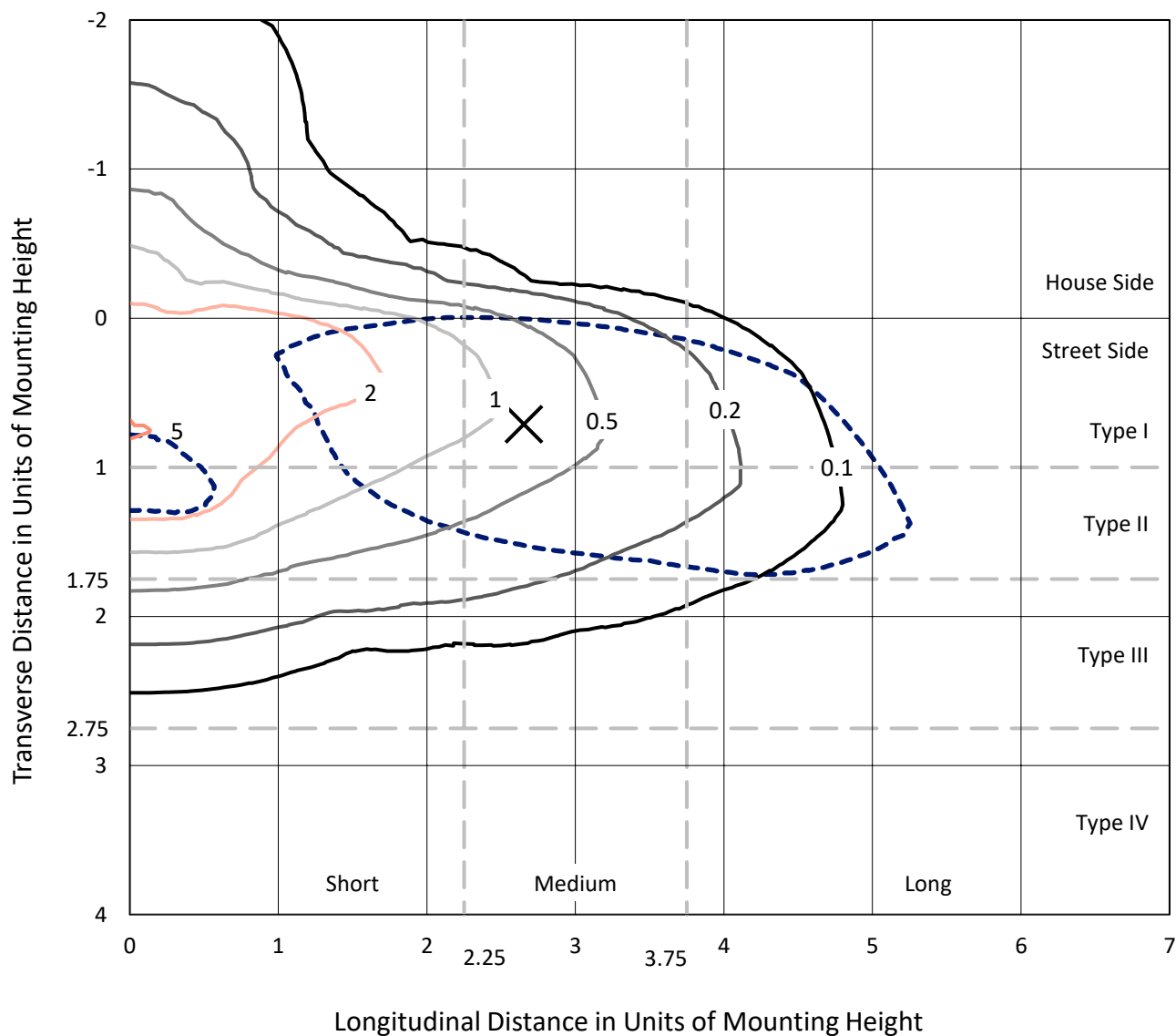
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

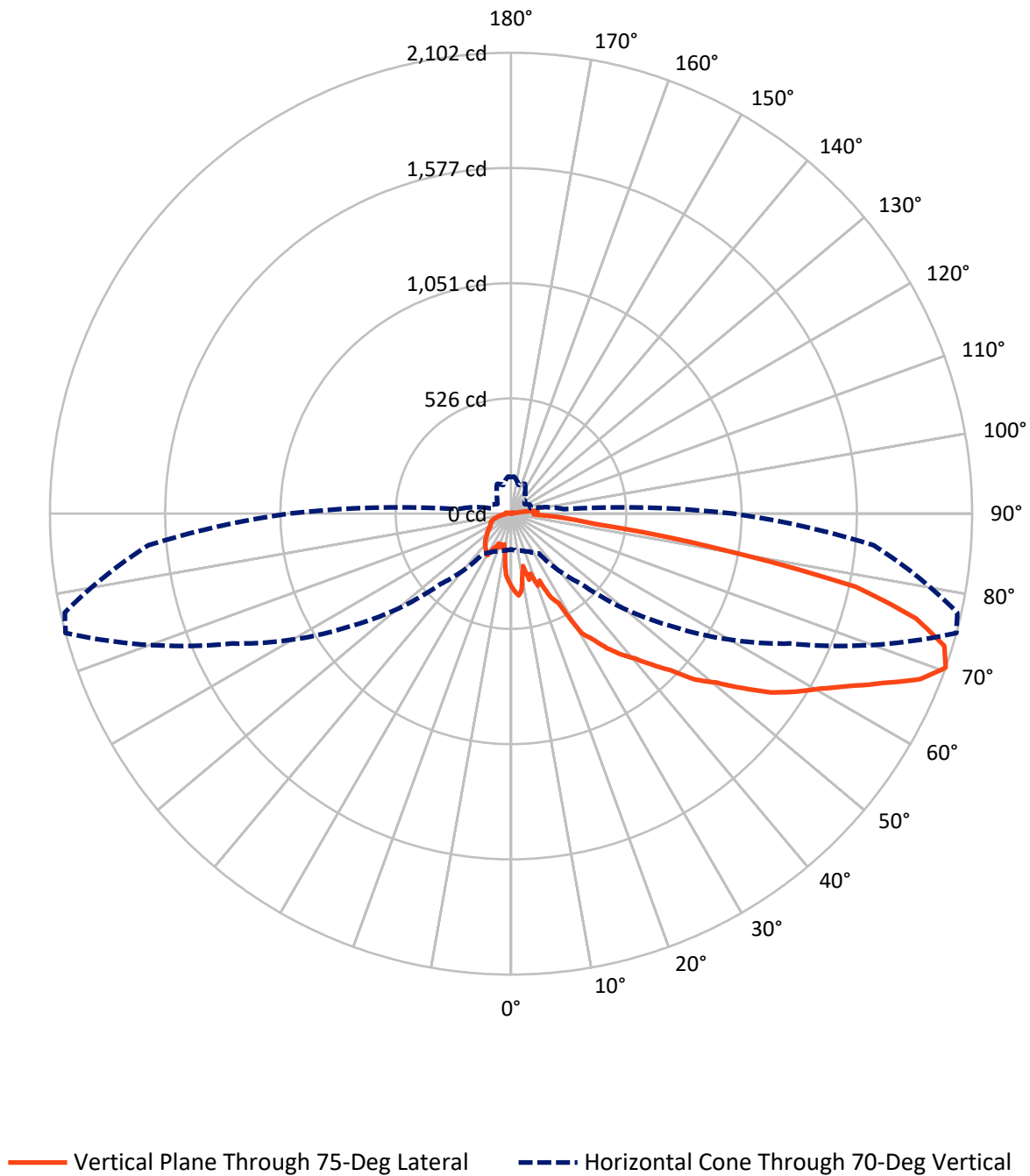


Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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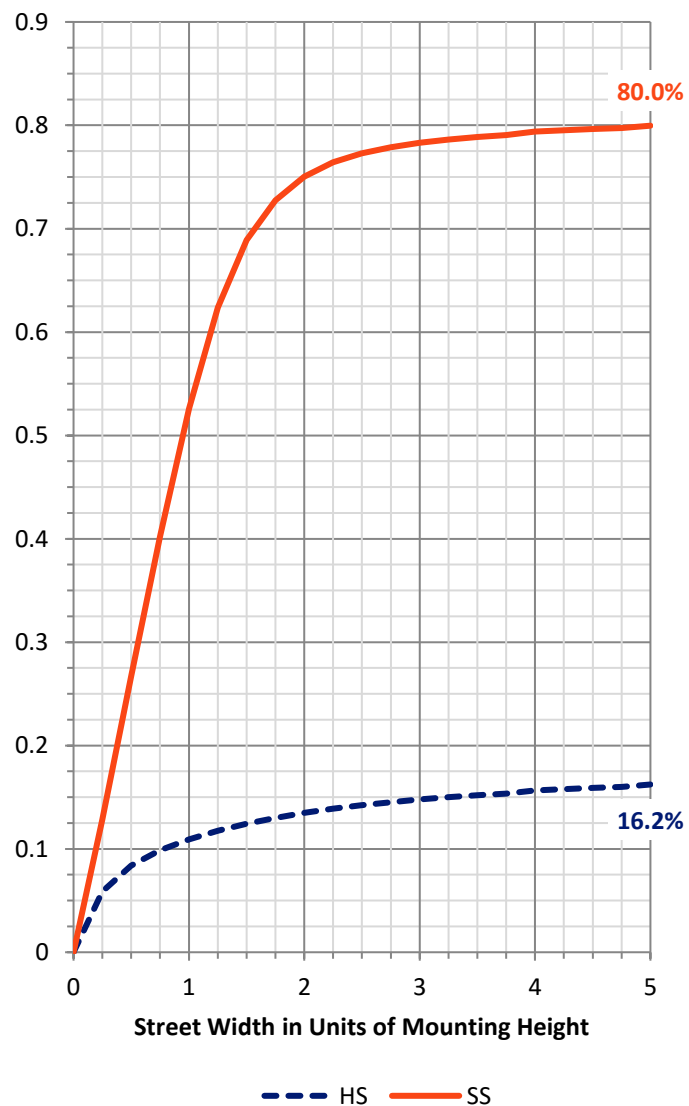
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	423.4	25.3	448.7
	% Fixture	17.1	1.0	18.1
Street Side	Lumens	1995.9	32.0	2028.0
	% Fixture	80.6	1.3	81.9
Total	Lumens	2419.3	57.3	2476.7
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.6	1.1
10°-20°	72.2	2.9
20°-30°	130.4	5.3
30°-40°	266.5	10.8
40°-50°	418.5	16.9
50°-60°	513.9	20.7
60°-70°	511.1	20.6
70°-80°	378.0	15.3
80°-90°	101.0	4.1
90°-100°	37.3	1.5
100°-110°	8.7	0.4
110°-120°	4.1	0.2
120°-130°	3.7	0.1
130°-140°	1.8	0.1
140°-150°	0.9	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2419.3	97.7
0°-180°	2476.7	100.0

Coefficient of Utilization



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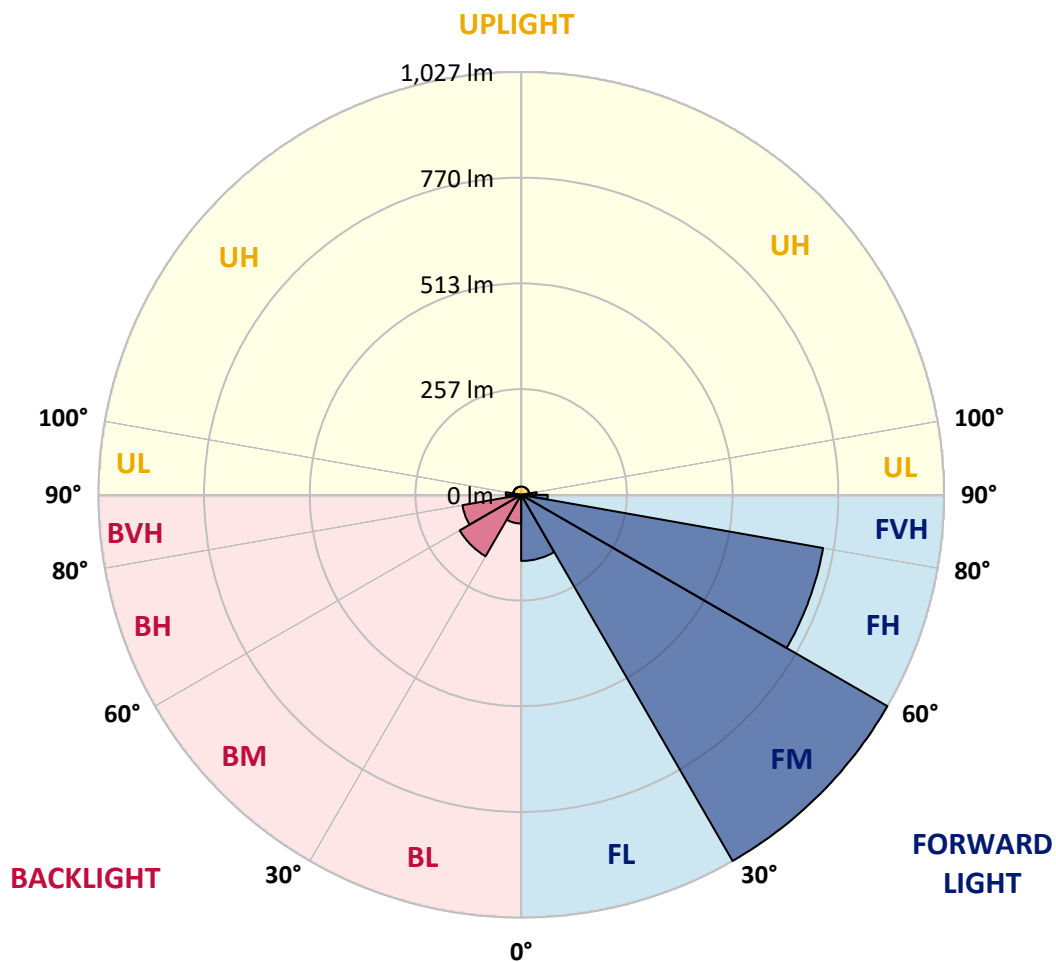
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	160.5	6.5			
FM	(30°-60°)	1026.6	41.5			
FH	(60°-80°)	744.3	30.1			G1/1800
FVH	(80°-90°)	64.5	2.6			G1/100
BL	(0°-30°)	69.8	2.8	B0/110		
BM	(30°-60°)	172.3	7.0	B0/220		
BH	(60°-80°)	144.8	5.8	B1/500		G1/500
BVH	(80°-90°)	36.5	1.5			G1/100
UL	(90°-100°)	37.3	1.5		U2/50	
UH	(100°-180°)	20.0	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°	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0
2.5°	344.6	363.9	372.6	382.3	391.0	386.2	378.4	366.8	356.2	352.3	340.7
5°	380.4	378.4	377.5	374.6	369.7	361.0	350.4	392.0	375.5	368.8	349.4
7.5°	334.9	388.1	393.9	399.7	397.8	387.1	373.6	335.8	350.4	341.7	317.5
10°	409.4	409.4	407.5	409.4	387.1	369.7	316.5	294.2	283.6	306.8	284.5
12.5°	348.4	379.4	418.1	425.9	392.0	343.6	321.3	310.7	244.9	242.0	259.4
15°	405.5	410.4	411.3	413.3	333.9	360.0	297.1	275.8	312.6	303.9	306.8
17.5°	326.2	331.0	393.9	390.0	359.1	287.5	347.5	311.6	287.5	276.8	272.9
20°	410.4	411.3	408.4	330.0	346.5	375.5	325.2	315.5	350.4	349.4	334.9
22.5°	349.4	350.4	361.0	397.8	358.1	379.4	327.1	393.9	332.0	332.9	258.4
25°	467.5	468.4	458.8	354.2	402.6	356.2	396.8	354.2	423.9	410.4	378.4
27.5°	490.7	454.9	418.1	439.4	384.2	442.3	377.5	428.8	460.7	457.8	462.6
30°	622.3	624.3	599.1	481.0	450.1	436.5	435.5	509.1	631.0	635.9	555.5
32.5°	843.0	831.4	707.5	593.3	484.9	532.3	488.8	589.4	682.3	679.4	595.2
35°	943.7	932.0	885.6	732.7	560.4	574.9	551.7	627.2	753.0	730.7	634.9
37.5°	1028.8	1026.9	988.2	807.2	636.8	658.1	589.4	673.6	814.0	790.7	675.6
40°	1102.4	1095.6	1061.7	874.0	715.2	716.2	636.8	729.8	868.2	874.0	715.2
42.5°	1163.4	1157.6	1129.5	940.8	761.7	767.5	687.2	786.9	940.8	951.4	777.2
45°	1188.5	1191.4	1172.1	1000.8	803.3	814.0	747.2	844.9	1018.2	1026.9	832.4
47.5°	1206.9	1207.9	1203.0	1050.1	847.8	852.7	806.2	897.2	1130.5	1113.0	897.2
50°	1165.3	1161.4	1166.3	1087.9	886.6	892.4	855.6	951.4	1210.8	1188.5	964.9
52.5°	1055.9	1060.8	1111.1	1068.5	899.1	910.7	902.0	998.8	1322.1	1304.7	1061.7
55°	781.1	802.3	947.5	989.1	898.2	918.5	944.6	1088.8	1439.2	1413.1	1144.0
57.5°	632.0	632.0	717.2	853.6	848.8	913.7	988.2	1149.8	1532.1	1513.7	1226.3
60°	507.2	507.2	553.6	677.5	753.0	889.5	1032.7	1239.8	1620.2	1609.5	1298.9
62.5°	397.8	396.8	435.5	505.2	617.5	836.2	1055.9	1317.2	1730.5	1728.6	1415.0
65°	287.5	291.3	324.2	367.8	484.9	736.5	1055.0	1386.9	1863.1	1868.9	1545.7
67.5°	212.9	214.9	233.3	265.2	332.9	610.7	1008.5	1435.3	2013.1	2003.5	1628.9
70°	163.6	166.5	174.2	190.7	221.6	453.9	896.2	1401.5	2102.2	2083.8	1659.9
72.5°	137.4	138.4	137.4	146.1	148.1	307.8	718.1	1272.7	2065.4	2036.4	1574.7
75°	117.1	116.1	115.2	117.1	109.4	203.2	514.9	1077.2	1906.7	1856.3	1390.8
77.5°	100.7	99.7	95.8	96.8	87.1	150.0	351.3	844.9	1606.6	1488.6	1045.3
80°	83.2	83.2	80.3	80.3	73.6	114.2	224.5	582.6	935.9	842.0	543.9
82.5°	64.8	63.9	63.9	65.8	62.9	89.0	147.1	290.4	386.2	362.0	254.5
85°	34.8	34.8	39.7	44.5	43.6	54.2	112.3	171.3	228.4	220.7	142.3
87.5°	10.6	10.6	11.6	14.5	15.5	29.0	70.7	83.2	103.6	114.2	112.3
90°	11.6	10.6	7.7	8.7	9.7	21.3	65.8	80.3	104.5	116.1	119.0
92.5°	13.5	12.6	7.7	7.7	9.7	17.4	62.9	78.4	114.2	125.8	128.7
95°	14.5	13.5	7.7	7.7	9.7	15.5	56.1	77.4	121.9	137.4	137.4
97.5°	13.5	12.6	5.8	6.8	8.7	13.5	43.6	63.9	85.2	93.9	108.4
100°	11.6	11.6	3.9	5.8	7.7	9.7	25.2	34.8	25.2	24.2	24.2
102.5°	10.6	10.6	3.9	4.8	5.8	6.8	11.6	18.4	5.8	6.8	8.7
105°	10.6	11.6	2.9	3.9	3.9	3.9	5.8	9.7	4.8	5.8	8.7
107.5°	10.6	11.6	2.9	2.9	3.9	2.9	2.9	3.9	4.8	5.8	9.7
110°	9.7	9.7	1.9	2.9	2.9	2.9	1.9	2.9	4.8	6.8	9.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	6.8	6.8	1.9	2.9	2.9	2.9	1.9	2.9	4.8	6.8	9.7
115°	4.8	3.9	1.9	2.9	1.9	2.9	1.9	2.9	4.8	6.8	8.7
117.5°	3.9	2.9	1.9	1.9	1.9	1.9	1.0	2.9	5.8	7.7	10.6
120°	3.9	3.9	1.9	1.9	1.9	1.9	1.0	2.9	8.7	9.7	13.5
122.5°	3.9	3.9	1.9	1.9	1.9	1.9	1.0	1.9	7.7	10.6	14.5
125°	3.9	3.9	1.9	1.9	1.9	1.9	1.0	1.9	6.8	9.7	12.6
127.5°	3.9	3.9	1.9	1.0	1.9	1.9	1.9	1.9	5.8	7.7	10.6
130°	3.9	3.9	1.9	1.0	1.9	1.9	1.9	1.9	4.8	5.8	8.7
132.5°	2.9	2.9	1.9	1.0	1.9	1.0	1.0	1.9	3.9	4.8	6.8
135°	1.9	1.9	1.9	1.0	1.9	1.0	1.0	1.0	1.9	2.9	4.8
137.5°	1.0	1.9	1.0	1.0	1.9	1.0	1.0	1.0	1.0	1.0	1.9
140°	1.0	1.0	1.0	1.0	1.9	1.0	1.0	1.0	1.0	1.0	1.0
142.5°	1.0	1.0	1.0	1.0	1.9	1.9	1.0	1.0	1.0	1.0	1.0
145°	1.0	1.0	1.0	1.0	2.9	1.9	1.0	1.0	1.0	1.0	1.0
147.5°	1.0	1.0	1.0	3.9	2.9	1.9	1.0	1.0	1.0	1.0	1.0
150°	4.8	4.8	4.8	3.9	2.9	1.9	2.9	1.0	1.0	1.0	1.0
152.5°	4.8	4.8	5.8	2.9	1.9	1.0	1.0	3.9	2.9	1.9	1.9
155°	3.9	2.9	2.9	1.0	1.0	1.0	1.0	1.0	2.9	3.9	3.9
157.5°	1.0	1.0	1.9	1.0	1.0	1.0	1.0	1.0	1.9	1.0	1.0
160°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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°	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0	332.0
2.5°	333.9	326.2	307.8	294.2	277.8	263.3	250.7	222.6	217.8	214.9	213.9
5°	333.9	317.5	281.6	238.1	204.2	196.5	192.6	192.6	190.7	191.6	192.6
7.5°	296.2	273.9	219.7	185.8	191.6	191.6	192.6	187.8	172.3	174.2	171.3
10°	259.4	231.3	165.5	151.0	165.5	166.5	188.7	197.4	200.3	201.3	201.3
12.5°	239.1	199.4	143.2	148.1	133.6	152.9	180.0	201.3	182.9	173.2	173.2
15°	274.9	236.2	160.7	129.7	131.6	152.9	136.5	190.7	197.4	199.4	199.4
17.5°	246.8	208.1	147.1	133.6	147.1	125.8	153.9	175.2	167.4	158.7	157.8
20°	296.2	245.8	164.5	130.7	129.7	149.0	136.5	143.2	179.1	180.0	179.1
22.5°	230.3	196.5	146.1	148.1	129.7	142.3	134.5	148.1	141.3	140.3	141.3
25°	319.4	254.5	168.4	127.8	135.5	125.8	135.5	124.9	150.0	152.0	152.9
27.5°	391.0	303.9	179.1	138.4	118.1	128.7	121.0	124.9	116.1	121.0	122.9
30°	465.5	354.2	218.7	152.9	124.9	110.3	112.3	111.3	125.8	124.9	122.9
32.5°	489.7	361.0	209.1	159.7	123.9	111.3	102.6	109.4	120.0	128.7	129.7
35°	513.9	365.8	201.3	152.9	121.0	104.5	100.7	112.3	121.0	121.9	124.9
37.5°	542.0	369.7	193.6	143.2	112.3	102.6	99.7	104.5	123.9	121.9	119.0
40°	568.1	371.7	183.9	134.5	102.6	100.7	92.9	104.5	109.4	113.2	115.2
42.5°	614.6	383.3	176.1	126.8	95.8	95.8	89.0	97.8	112.3	114.2	113.2
45°	648.5	379.4	165.5	120.0	89.0	85.2	87.1	106.5	113.2	124.9	122.9
47.5°	696.9	389.1	152.9	109.4	83.2	78.4	82.3	103.6	116.1	124.9	126.8
50°	744.3	387.1	142.3	100.7	79.4	74.5	91.0	100.7	114.2	128.7	128.7
52.5°	806.2	390.0	137.4	92.9	74.5	74.5	93.9	101.6	117.1	126.8	126.8
55°	861.4	379.4	125.8	90.0	73.6	71.6	94.8	105.5	118.1	126.8	127.8
57.5°	902.0	358.1	117.1	87.1	72.6	73.6	94.8	114.2	110.3	126.8	129.7
60°	946.6	334.9	109.4	87.1	72.6	76.5	97.8	121.0	121.0	132.6	132.6
62.5°	1007.5	320.4	105.5	88.1	70.7	79.4	106.5	131.6	121.9	140.3	141.3
65°	1058.8	301.0	102.6	91.9	71.6	83.2	111.3	140.3	127.8	149.0	148.1
67.5°	1059.8	272.0	98.7	95.8	72.6	86.1	111.3	146.1	134.5	156.8	153.9
70°	1013.3	242.9	92.9	95.8	75.5	89.0	111.3	150.0	135.5	169.4	166.5
72.5°	913.7	198.4	84.2	91.9	80.3	92.9	117.1	149.0	135.5	182.9	180.0
75°	777.2	158.7	72.6	84.2	80.3	97.8	121.0	148.1	130.7	174.2	168.4
77.5°	591.4	129.7	61.0	73.6	76.5	99.7	121.0	146.1	126.8	162.6	158.7
80°	304.9	91.0	49.4	62.9	71.6	97.8	120.0	138.4	113.2	144.2	142.3
82.5°	167.4	66.8	39.7	46.5	60.0	91.9	116.1	124.9	99.7	118.1	113.2
85°	108.4	48.4	31.9	37.7	50.3	76.5	97.8	98.7	70.7	85.2	80.3
87.5°	81.3	28.1	20.3	23.2	34.8	42.6	61.9	63.9	44.5	52.3	49.4
90°	85.2	28.1	21.3	24.2	31.0	31.9	45.5	48.4	34.8	39.7	39.7
92.5°	91.0	28.1	22.3	25.2	28.1	25.2	35.8	39.7	29.0	31.9	31.0
95°	92.9	27.1	24.2	26.1	25.2	20.3	29.0	31.9	24.2	24.2	24.2
97.5°	67.7	19.4	24.2	26.1	23.2	16.5	22.3	25.2	15.5	12.6	12.6
100°	18.4	9.7	23.2	25.2	20.3	13.5	19.4	19.4	9.7	6.8	6.8
102.5°	7.7	7.7	20.3	22.3	15.5	8.7	13.5	13.5	6.8	2.9	2.9
105°	7.7	5.8	14.5	16.5	10.6	4.8	6.8	7.7	4.8	2.9	2.9
107.5°	7.7	5.8	6.8	8.7	4.8	3.9	3.9	3.9	2.9	2.9	2.9
110°	8.7	5.8	3.9	4.8	3.9	2.9	2.9	2.9	2.9	3.9	4.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.7	6.8	3.9	4.8	3.9	2.9	2.9	2.9	3.9	8.7	8.7
115°	8.7	5.8	3.9	3.9	2.9	2.9	1.9	1.9	3.9	10.6	10.6
117.5°	9.7	6.8	3.9	3.9	2.9	1.9	1.9	1.9	4.8	12.6	12.6
120°	11.6	7.7	3.9	2.9	1.9	1.9	1.9	1.9	5.8	13.5	13.5
122.5°	12.6	8.7	3.9	2.9	1.9	1.0	1.9	2.9	6.8	13.5	13.5
125°	10.6	7.7	3.9	2.9	1.9	1.0	1.9	2.9	6.8	12.6	13.5
127.5°	9.7	6.8	3.9	1.9	1.9	1.0	1.0	2.9	5.8	9.7	11.6
130°	7.7	5.8	2.9	1.9	1.9	1.0	1.0	1.9	5.8	8.7	10.6
132.5°	6.8	4.8	2.9	1.9	1.9	1.0	1.0	1.9	5.8	7.7	7.7
135°	4.8	3.9	1.9	1.9	1.9	1.0	1.9	1.0	3.9	6.8	6.8
137.5°	2.9	1.9	1.9	1.9	1.9	1.0	1.0	1.0	2.9	3.9	3.9
140°	1.0	1.0	1.9	1.9	1.9	1.0	1.0	1.0	1.9	1.9	1.9
142.5°	1.0	1.0	1.9	1.9	1.9	1.0	1.0	1.0	1.9	1.9	1.9
145°	1.0	1.0	1.0	1.9	1.9	1.0	1.0	1.0	1.0	1.0	1.9
147.5°	1.0	1.0	1.0	1.9	1.0	1.0	1.0	1.0	1.0	1.0	1.9
150°	1.0	1.0	1.0	1.9	1.9	1.0	1.0	1.9	1.9	1.9	1.9
152.5°	1.0	1.0	1.9	1.9	1.0	1.0	1.0	1.9	1.9	1.9	1.9
155°	2.9	2.9	1.9	1.9	1.0	1.0	0.0	1.0	1.9	1.9	1.9
157.5°	1.0	1.0	1.9	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
160°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
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)