

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: P559990

Luminaire Tested: **SDL-PA1-20-727-U-T2U-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559990
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-6)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-20-727-U-T2U-HSS
Description: Springdale
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1665.1 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 21
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

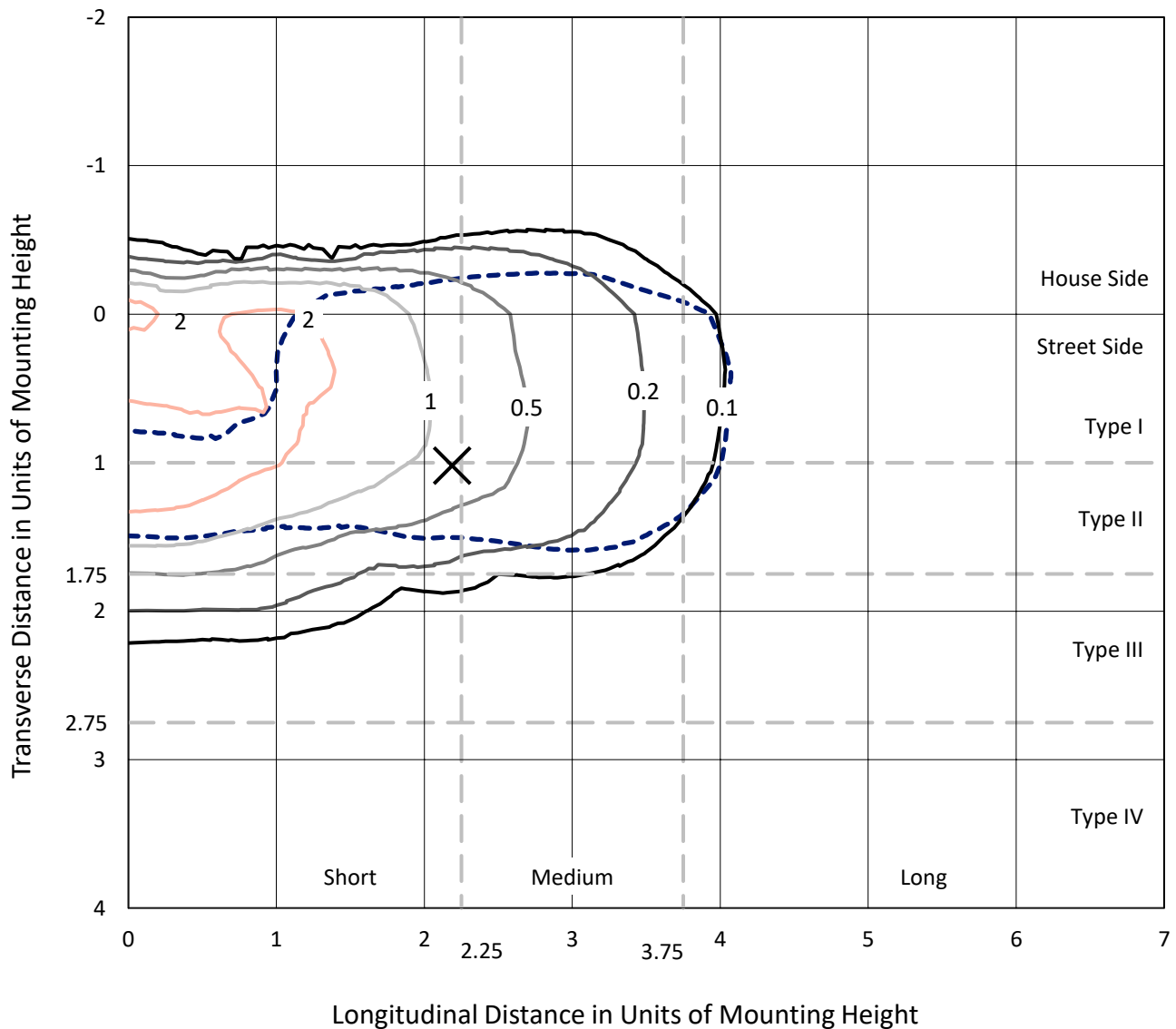


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

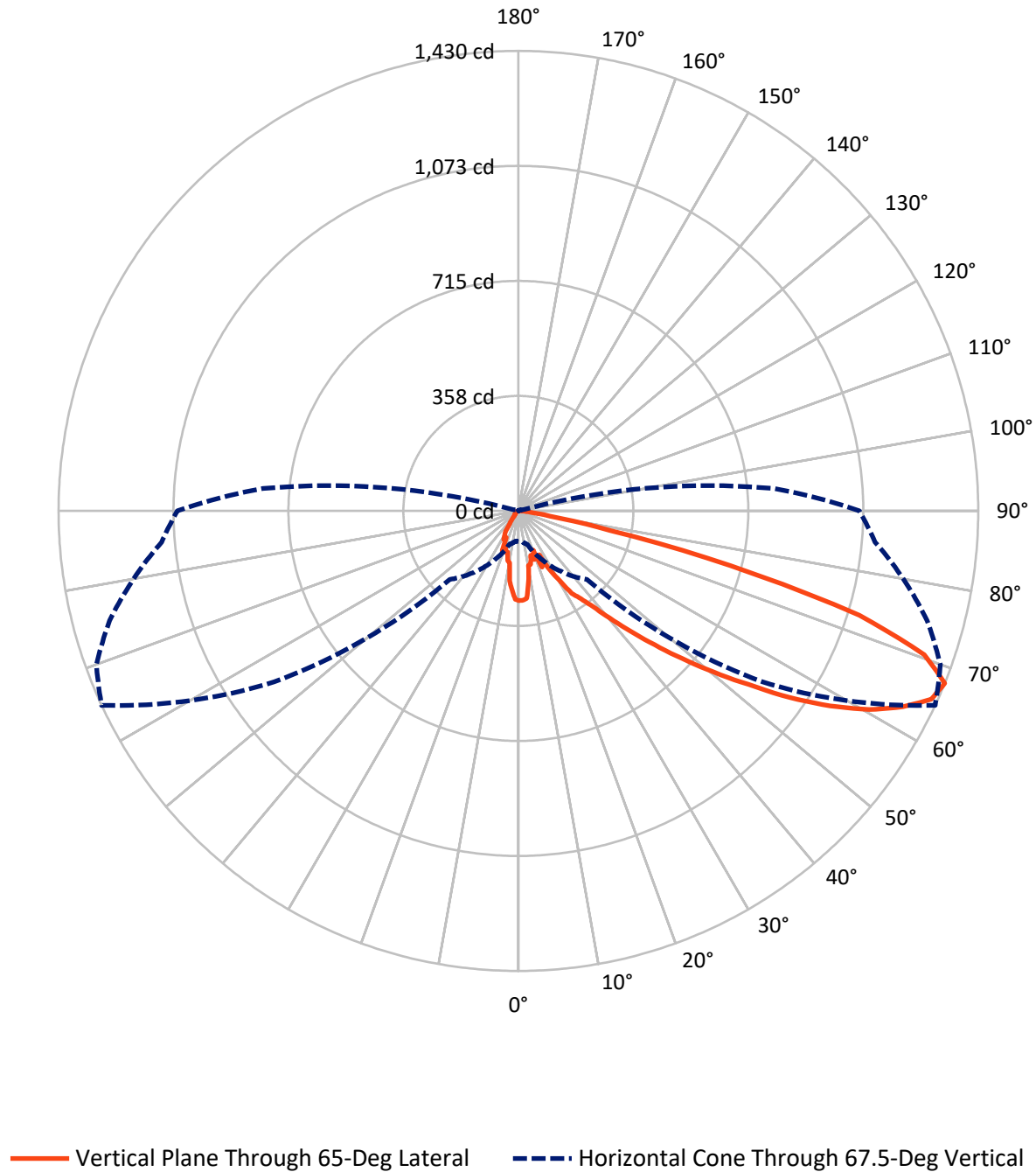


Based on 10 foot mounting height. Maximum calculated value = 3.7 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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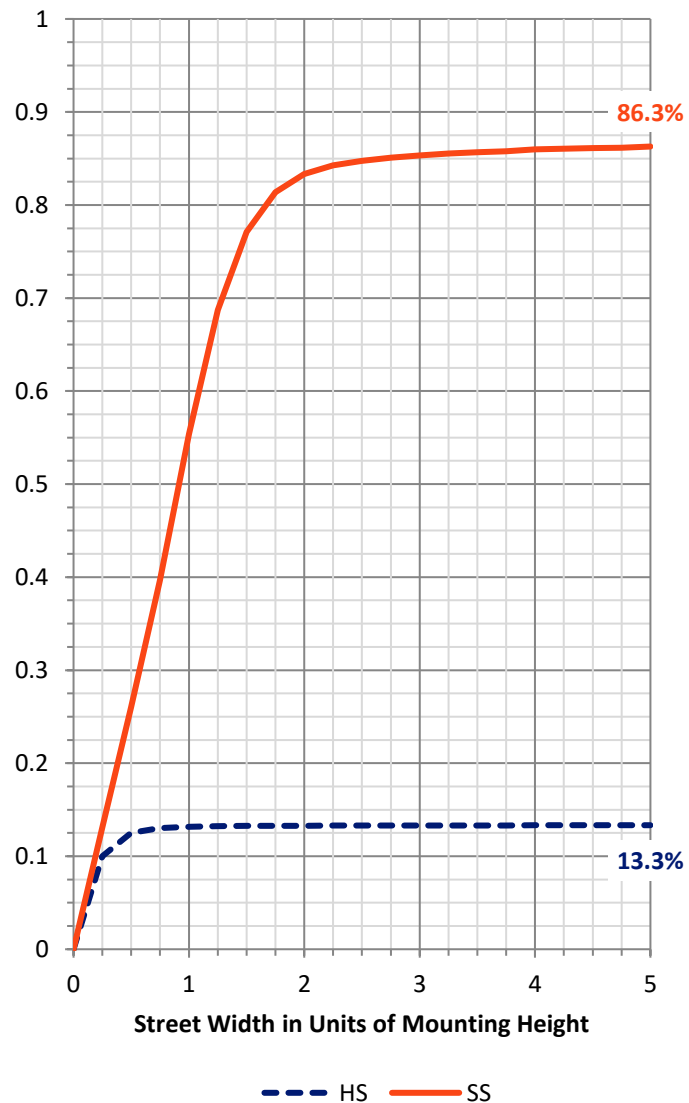
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	225.1	0.0	225.1
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	1439.9	0.0	1439.9
	% Fixture	86.5	0.0	86.5
Total	Lumens	1665.1	0.0	1665.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.4	1.3
10°-20°	41.4	2.5
20°-30°	62.5	3.8
30°-40°	143.9	8.6
40°-50°	315.8	19.0
50°-60°	463.6	27.8
60°-70°	402.7	24.2
70°-80°	199.6	12.0
80°-90°	14.2	0.9
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°	1665.1	100.0
0°-180°	1665.1	100.0

Coefficient of Utilization



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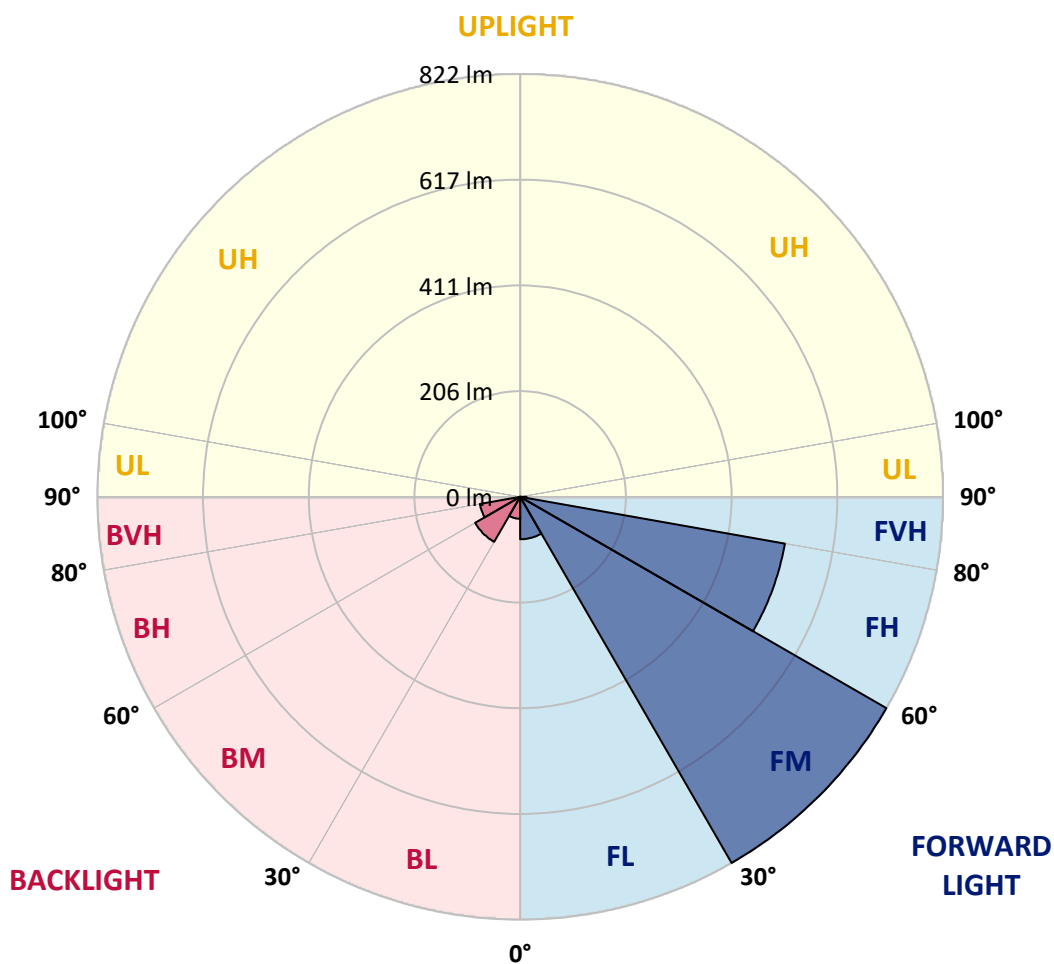
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	82.5	5.0			
FM	(30°-60°)	822.2	49.4			
FH	(60°-80°)	522.8	31.4			G0/660
FVH	(80°-90°)	12.5	0.7			G1/100
BL	(0°-30°)	42.8	2.6	B0/110		
BM	(30°-60°)	101.1	6.1	B0/220		
BH	(60°-80°)	79.5	4.8	B0/110		G0/110
BVH	(80°-90°)	1.7	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8
2.5°	233.4	252.7	258.6	264.5	269.5	274.6	275.4	276.3	277.9	278.8	279.6
5°	228.4	229.2	229.2	228.4	229.2	230.1	230.1	230.1	230.1	230.1	230.9
7.5°	183.0	204.9	211.6	217.5	220.8	223.4	225.0	225.9	226.7	227.6	228.4
10°	220.8	220.0	220.8	220.8	221.7	221.7	202.4	183.0	189.8	195.6	185.6
12.5°	175.5	193.1	200.7	208.2	213.3	217.5	209.1	199.8	182.2	163.7	164.6
15°	211.6	211.6	211.6	211.6	195.6	178.9	167.9	156.2	165.4	173.8	157.0
17.5°	170.5	170.5	185.6	200.7	200.7	199.8	188.9	177.2	153.7	130.1	151.1
20°	210.8	210.8	211.6	212.4	184.7	157.0	166.3	174.7	178.0	181.4	173.8
22.5°	172.1	172.1	174.7	176.3	186.4	196.5	169.6	142.7	164.6	186.4	171.3
25°	222.5	223.4	225.0	225.9	200.7	174.7	186.4	198.2	174.7	151.1	174.7
27.5°	201.5	198.2	198.2	197.3	205.7	213.3	196.5	179.7	194.8	209.9	192.3
30°	283.0	280.5	277.1	273.7	241.8	209.9	210.8	210.8	204.9	199.0	209.1
32.5°	392.1	387.9	359.4	330.8	307.3	283.8	259.5	235.1	243.5	251.1	246.0
35°	526.5	526.5	499.6	472.7	419.8	366.9	325.8	283.8	280.5	277.1	282.1
37.5°	686.0	669.2	637.3	605.4	539.9	473.6	410.6	347.6	340.1	331.7	323.3
40°	804.4	801.9	777.5	753.2	672.6	592.0	518.1	443.3	419.0	393.8	375.3
42.5°	927.8	918.6	899.3	879.1	797.7	715.4	636.5	556.7	523.1	489.5	456.8
45°	1016.8	1014.3	997.5	980.7	914.4	847.2	764.9	681.8	660.0	638.2	576.9
47.5°	1072.3	1058.0	1051.3	1043.7	986.6	929.5	859.8	789.3	785.9	781.7	704.5
50°	1055.5	1042.9	1044.6	1046.2	1018.5	990.8	937.9	884.2	893.4	902.7	838.8
52.5°	966.5	955.5	970.7	984.9	984.1	983.3	963.9	943.8	977.4	1010.1	966.5
55°	788.5	796.0	826.2	856.5	876.6	895.9	923.6	950.5	1014.3	1077.3	1068.9
57.5°	618.0	634.8	665.9	696.1	728.8	760.7	819.5	878.3	985.8	1092.4	1129.4
60°	414.8	425.7	480.3	534.0	564.3	594.5	658.3	721.3	867.4	1012.6	1109.2
62.5°	257.8	263.7	294.7	325.8	387.1	448.4	480.3	511.4	669.2	826.2	1005.1
65°	158.7	157.0	169.6	181.4	241.8	301.4	322.4	342.6	447.5	551.7	829.6
67.5°	94.9	94.0	100.8	107.5	135.2	162.9	195.6	228.4	265.3	301.4	614.6
70°	77.3	78.9	81.4	84.0	91.5	99.1	129.3	159.5	158.7	157.9	369.5
72.5°	64.7	66.3	71.4	75.6	81.4	86.5	104.1	120.9	113.4	105.8	176.3
75°	47.9	48.7	55.4	61.3	70.5	78.9	83.1	86.5	83.1	79.8	89.0
77.5°	31.9	31.9	37.8	43.7	52.9	62.1	67.2	72.2	66.3	60.5	63.0
80°	20.2	20.2	23.5	26.0	35.3	44.5	50.4	56.3	51.2	45.3	44.5
82.5°	11.8	12.6	14.3	16.0	21.8	27.7	31.9	36.1	42.0	47.0	37.8
85°	5.0	5.9	7.6	8.4	11.8	14.3	16.8	19.3	24.4	29.4	24.4
87.5°	0.8	0.8	1.7	2.5	3.4	4.2	4.2	4.2	4.2	3.4	4.2
90°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8
2.5°	279.6	278.8	277.9	277.9	277.9	277.1	276.3	276.3	276.3	275.4	274.6
5°	230.9	251.9	272.9	273.7	275.4	274.6	273.7	272.9	272.1	271.2	269.5
7.5°	228.4	226.7	225.0	219.2	239.3	239.3	238.5	238.5	236.8	230.1	223.4
10°	174.7	173.8	172.1	174.7	178.9	193.1	206.6	205.7	203.2	187.2	171.3
12.5°	165.4	167.9	170.5	162.1	146.1	159.5	173.0	171.3	169.6	155.3	140.2
15°	140.2	141.9	143.6	157.0	181.4	194.0	205.7	204.0	202.4	185.6	167.9
17.5°	172.1	165.4	158.7	167.9	159.5	165.4	171.3	164.6	159.5	152.8	146.1
20°	165.4	147.8	130.1	157.0	188.1	198.2	208.2	205.7	200.7	184.7	167.9
22.5°	155.3	173.0	189.8	181.4	166.3	157.0	147.8	143.6	140.2	141.1	141.9
25°	197.3	174.7	151.1	191.4	215.8	219.2	221.7	214.1	205.7	188.1	169.6
27.5°	173.8	190.6	206.6	222.5	230.9	233.4	235.1	246.0	228.4	204.9	181.4
30°	219.2	233.4	247.7	283.0	311.5	316.6	321.6	309.0	294.7	266.2	237.6
32.5°	241.0	273.7	305.6	322.4	334.2	338.4	342.6	325.8	309.8	272.9	235.1
35°	286.3	310.7	335.0	354.3	377.0	377.9	378.7	360.2	340.1	286.3	232.6
37.5°	314.0	345.9	377.0	398.8	434.1	431.6	429.1	407.2	382.9	307.3	231.8
40°	356.0	397.2	437.5	458.5	501.3	493.7	486.2	461.0	434.1	330.0	225.9
42.5°	424.0	467.7	511.4	529.0	576.0	567.6	558.4	524.8	490.4	348.5	206.6
45°	514.7	554.2	593.6	624.7	661.7	648.2	634.8	598.7	548.3	364.4	180.5
47.5°	626.4	655.8	685.2	746.5	773.3	746.5	718.8	675.1	611.3	377.9	144.4
50°	775.0	781.7	787.6	864.0	890.9	849.8	808.6	752.3	675.9	393.0	109.2
52.5°	922.0	909.4	895.9	978.2	988.3	933.7	878.3	819.5	723.8	401.4	78.1
55°	1060.5	1042.9	1024.4	1083.2	1076.5	1004.3	932.0	860.7	753.2	403.9	54.6
57.5°	1166.3	1155.4	1143.6	1170.5	1145.3	1060.5	975.7	904.3	775.0	408.1	40.3
60°	1204.9	1229.3	1253.6	1250.3	1204.1	1114.2	1024.4	948.8	788.5	409.8	30.2
62.5°	1183.9	1262.9	1341.0	1309.1	1252.8	1157.9	1062.2	989.1	794.3	408.9	23.5
65°	1107.5	1259.5	1410.7	1357.8	1287.2	1192.3	1097.5	1032.0	801.0	409.8	18.5
67.5°	927.0	1178.9	1430.0	1396.4	1315.8	1215.0	1113.4	1060.5	797.7	406.4	15.1
70°	580.2	959.7	1339.3	1365.3	1315.8	1204.9	1094.1	1052.1	767.5	389.6	11.8
72.5°	246.0	677.6	1109.2	1222.6	1257.0	1149.5	1042.0	990.0	702.8	356.0	9.2
75°	97.4	389.6	681.8	861.5	967.3	922.0	875.8	806.1	461.0	234.3	6.7
77.5°	65.5	178.0	290.5	423.2	504.6	522.3	539.9	460.1	183.9	94.9	5.0
80°	43.7	71.4	99.1	152.0	181.4	171.3	160.4	131.8	56.3	30.2	4.2
82.5°	27.7	36.9	46.2	52.1	53.7	38.6	23.5	19.3	6.7	5.0	2.5
85°	18.5	21.8	25.2	26.0	26.0	18.5	10.1	5.0	2.5	2.5	1.7
87.5°	5.0	5.9	5.9	5.9	4.2	3.4	2.5	1.7	1.7	1.7	1.7
90°	2.5	3.4	3.4	3.4	2.5	2.5	1.7	1.7	1.7	1.7	1.7

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8	278.8
2.5°	274.6	274.6	273.7	272.9	272.9	272.1	263.7	254.4	246.0	236.8	235.9
5°	258.6	246.9	235.9	225.0	223.4	220.8	220.8	220.0	220.0	219.2	219.2
7.5°	221.7	220.0	218.3	216.6	215.8	214.1	213.3	211.6	210.8	209.1	199.8
10°	167.9	163.7	163.7	162.9	164.6	166.3	165.4	163.7	174.7	185.6	184.7
12.5°	149.5	157.9	150.3	141.9	144.4	146.1	148.6	151.1	150.3	148.6	136.0
15°	150.3	131.8	126.0	119.2	122.6	125.1	103.3	80.6	76.4	72.2	67.2
17.5°	140.2	134.3	130.1	125.1	95.7	65.5	58.8	52.1	46.2	39.5	38.6
20°	141.9	115.0	107.5	99.1	76.4	53.7	41.1	28.5	25.2	21.8	25.2
22.5°	138.5	134.3	98.2	62.1	46.2	30.2	25.2	19.3	21.0	22.7	22.7
25°	130.1	90.7	70.5	50.4	35.3	19.3	20.2	20.2	18.5	16.0	17.6
27.5°	141.1	99.9	63.8	26.9	23.5	19.3	17.6	15.1	15.1	15.1	14.3
30°	162.9	87.3	54.6	21.8	18.5	15.1	14.3	13.4	12.6	10.9	11.8
32.5°	154.5	73.9	46.2	18.5	16.0	13.4	11.8	10.1	10.1	10.1	10.1
35°	140.2	47.0	31.9	16.0	13.4	10.9	10.1	8.4	8.4	8.4	8.4
37.5°	131.0	30.2	21.8	12.6	10.9	9.2	8.4	6.7	6.7	6.7	7.6
40°	123.4	21.0	16.0	10.9	9.2	6.7	5.9	5.0	5.9	5.9	5.9
42.5°	112.5	17.6	13.4	9.2	7.6	5.9	5.0	4.2	5.0	5.0	5.0
45°	98.2	16.0	11.8	7.6	6.7	5.0	4.2	3.4	4.2	4.2	4.2
47.5°	78.9	13.4	10.1	6.7	5.9	4.2	4.2	3.4	3.4	3.4	3.4
50°	61.3	12.6	9.2	5.9	5.0	3.4	3.4	2.5	3.4	3.4	3.4
52.5°	44.5	10.9	8.4	5.0	4.2	2.5	2.5	2.5	2.5	2.5	2.5
55°	31.9	9.2	6.7	4.2	3.4	2.5	2.5	1.7	2.5	2.5	2.5
57.5°	24.4	8.4	5.9	3.4	2.5	1.7	1.7	1.7	1.7	1.7	1.7
60°	19.3	7.6	5.9	3.4	2.5	1.7	1.7	0.8	1.7	1.7	1.7
62.5°	15.1	5.9	5.0	3.4	2.5	1.7	1.7	0.8	1.7	1.7	1.7
65°	11.8	5.0	4.2	2.5	1.7	0.8	0.8	0.8	1.7	1.7	1.7
67.5°	10.1	4.2	3.4	2.5	1.7	0.8	1.7	1.7	1.7	1.7	1.7
70°	8.4	4.2	3.4	2.5	1.7	0.8	1.7	1.7	2.5	2.5	1.7
72.5°	6.7	3.4	2.5	1.7	1.7	0.8	1.7	1.7	2.5	2.5	1.7
75°	5.0	2.5	2.5	1.7	1.7	0.8	1.7	2.5	2.5	2.5	1.7
77.5°	4.2	2.5	2.5	1.7	1.7	0.8	1.7	2.5	2.5	2.5	2.5
80°	3.4	1.7	1.7	1.7	0.8	0.0	1.7	3.4	3.4	2.5	2.5
82.5°	2.5	1.7	1.7	1.7	0.8	0.0	1.7	3.4	3.4	2.5	2.5
85°	1.7	1.7	1.7	1.7	1.7	0.8	2.5	3.4	3.4	2.5	2.5
87.5°	1.7	1.7	1.7	1.7	1.7	0.8	1.7	2.5	2.5	2.5	2.5
90°	1.7	1.7	2.5	2.5	1.7	0.8	1.7	2.5	2.5	2.5	2.5

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	278.8	278.8	278.8	278.8
2.5°	234.3	235.9	236.8	235.1
5°	218.3	218.3	217.5	220.0
7.5°	189.8	184.7	178.9	174.7
10°	183.0	178.9	174.7	175.5
12.5°	122.6	110.0	97.4	101.6
15°	62.1	58.8	55.4	55.4
17.5°	36.9	33.6	29.4	30.2
20°	27.7	27.7	27.7	27.7
22.5°	21.8	21.0	19.3	18.5
25°	18.5	18.5	18.5	18.5
27.5°	13.4	13.4	12.6	11.8
30°	11.8	11.8	11.8	10.9
32.5°	9.2	10.1	10.1	10.1
35°	8.4	8.4	8.4	8.4
37.5°	7.6	7.6	6.7	6.7
40°	5.9	5.9	5.9	5.9
42.5°	5.0	5.0	5.0	5.0
45°	4.2	4.2	4.2	4.2
47.5°	3.4	3.4	3.4	3.4
50°	3.4	3.4	2.5	2.5
52.5°	2.5	2.5	1.7	1.7
55°	1.7	1.7	1.7	1.7
57.5°	1.7	1.7	0.8	0.8
60°	1.7	1.7	0.8	0.8
62.5°	0.8	0.8	0.8	0.8
65°	0.8	0.8	0.0	0.0
67.5°	0.8	0.8	0.0	0.0
70°	0.8	0.8	0.0	0.0
72.5°	0.8	0.8	0.0	0.0
75°	0.8	0.8	0.0	0.0
77.5°	1.7	0.8	0.0	0.0
80°	1.7	1.7	0.8	0.0
82.5°	1.7	1.7	0.8	0.0
85°	1.7	1.7	0.8	0.0
87.5°	1.7	1.7	0.8	0.0
90°	1.7	1.7	0.8	0.0

(END OF REPORT)