

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: P559991

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559991
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-8)
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
Description: Springdale
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2331.7 lumens
Efficiency: N/A
Efficacy: 111.0 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

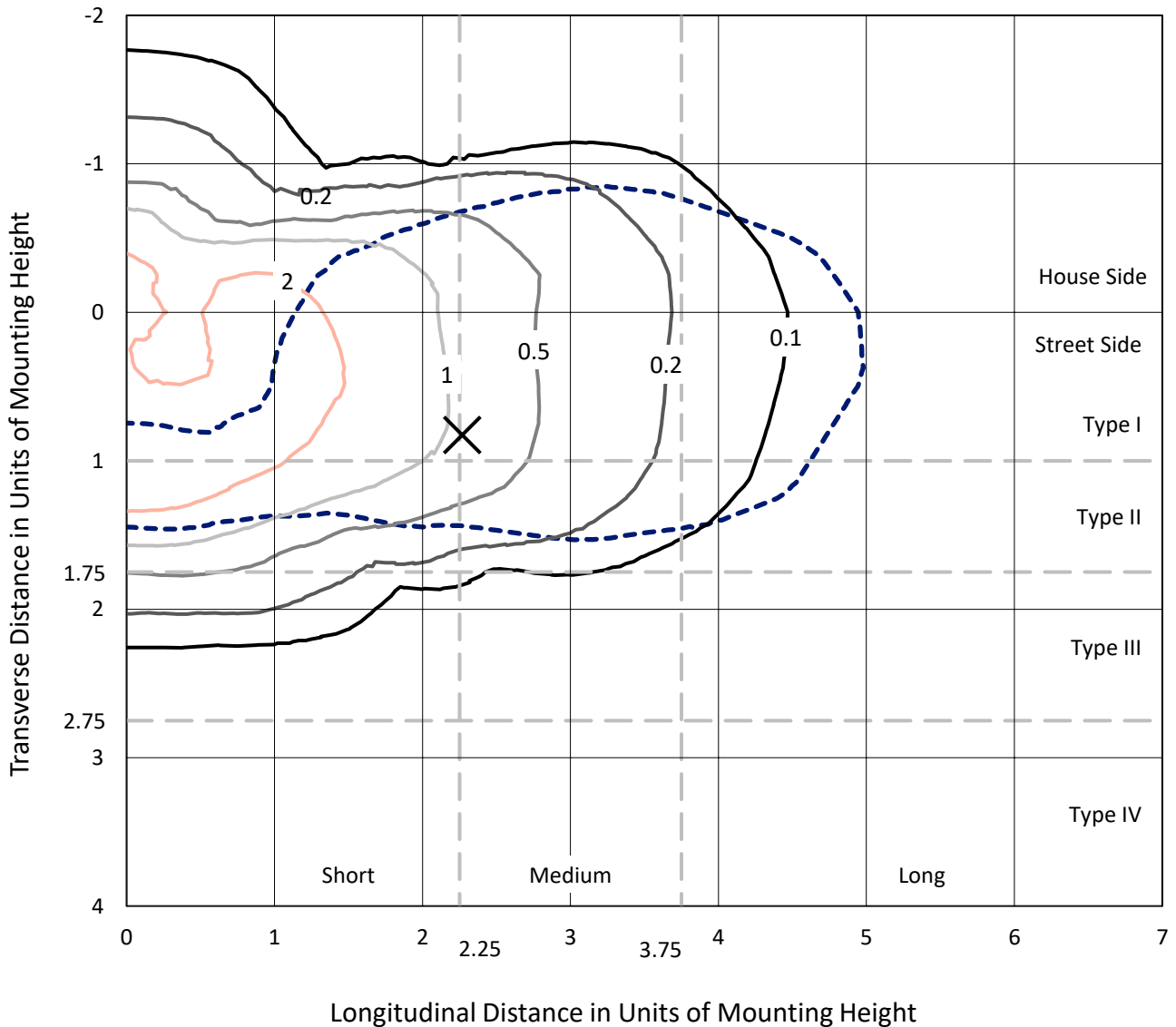
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

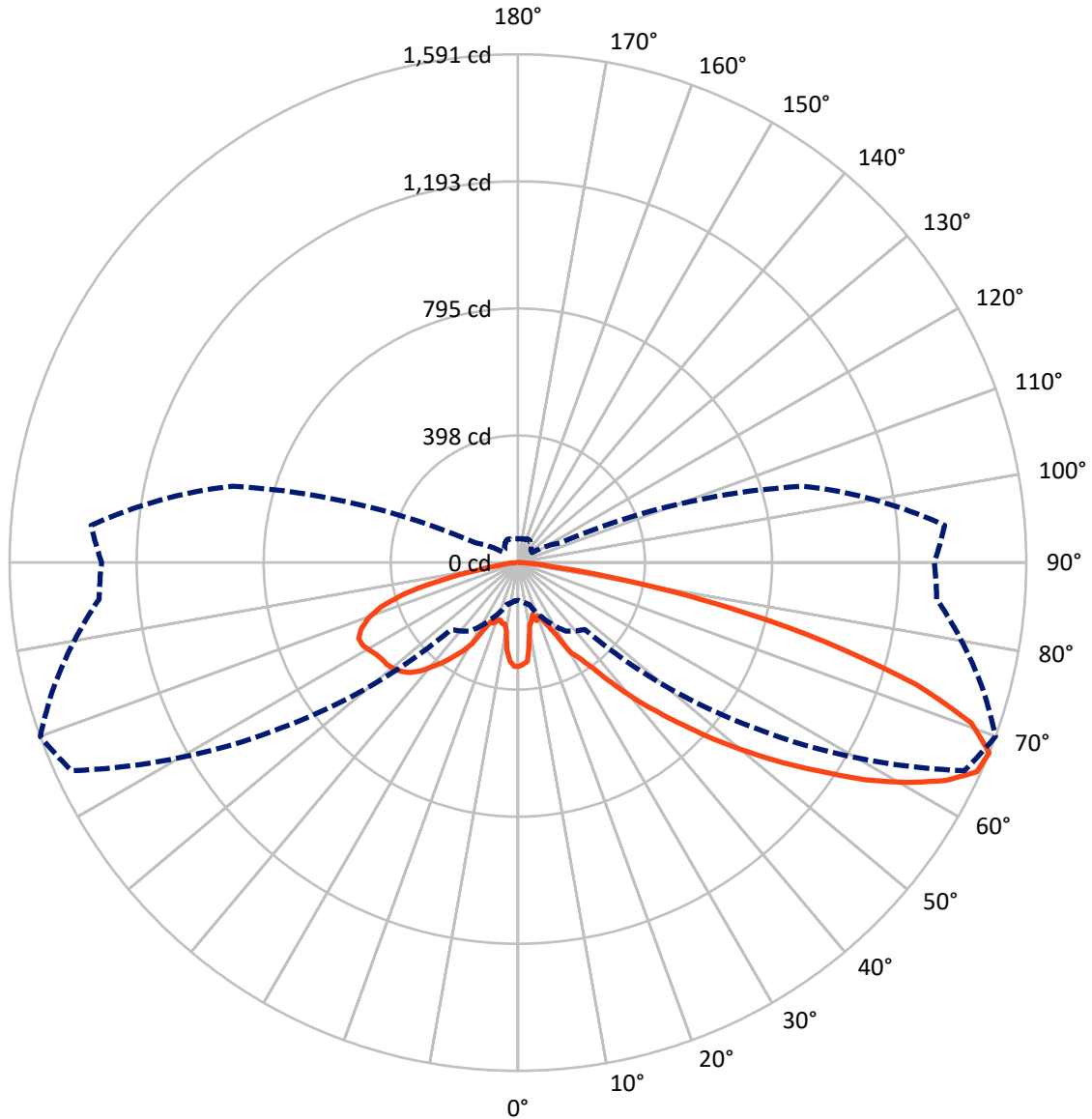
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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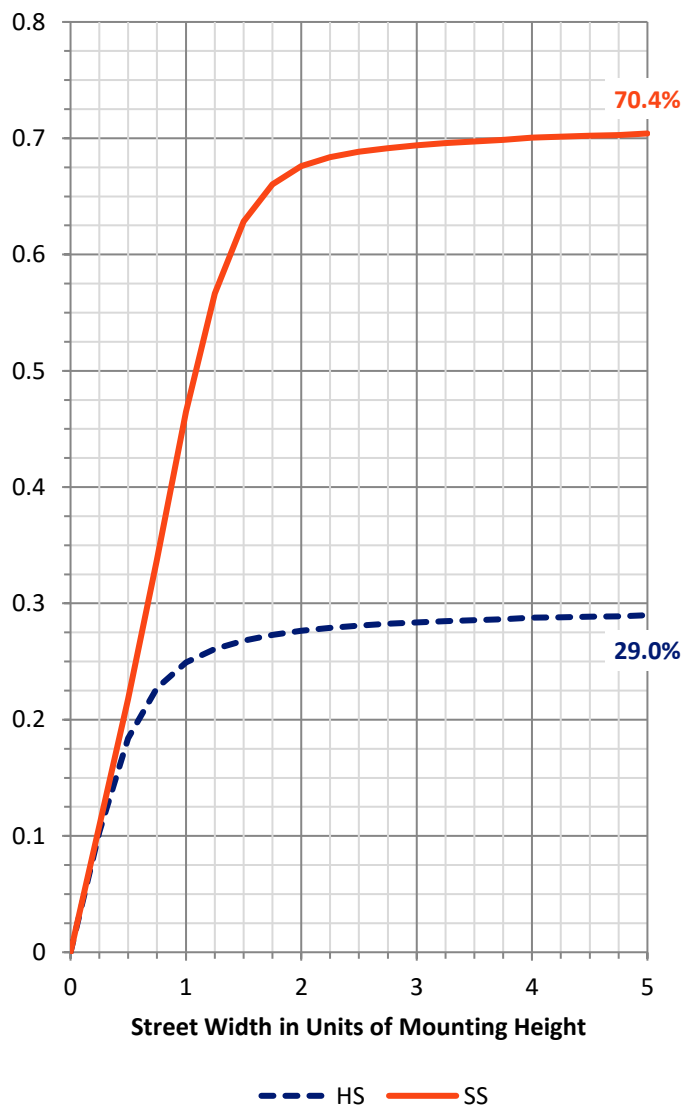
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	683.8	0.0	683.8
	% Fixture	29.3	0.0	29.3
Street Side	Lumens	1647.9	0.0	1647.9
	% Fixture	70.7	0.0	70.7
Total	Lumens	2331.7	0.0	2331.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.0	1.1
10°-20°	61.0	2.6
20°-30°	108.5	4.7
30°-40°	229.3	9.8
40°-50°	419.7	18.0
50°-60°	572.6	24.6
60°-70°	539.8	23.2
70°-80°	326.7	14.0
80°-90°	48.0	2.1
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°	2331.7	100.0
0°-180°	2331.7	100.0

Coefficient of Utilization



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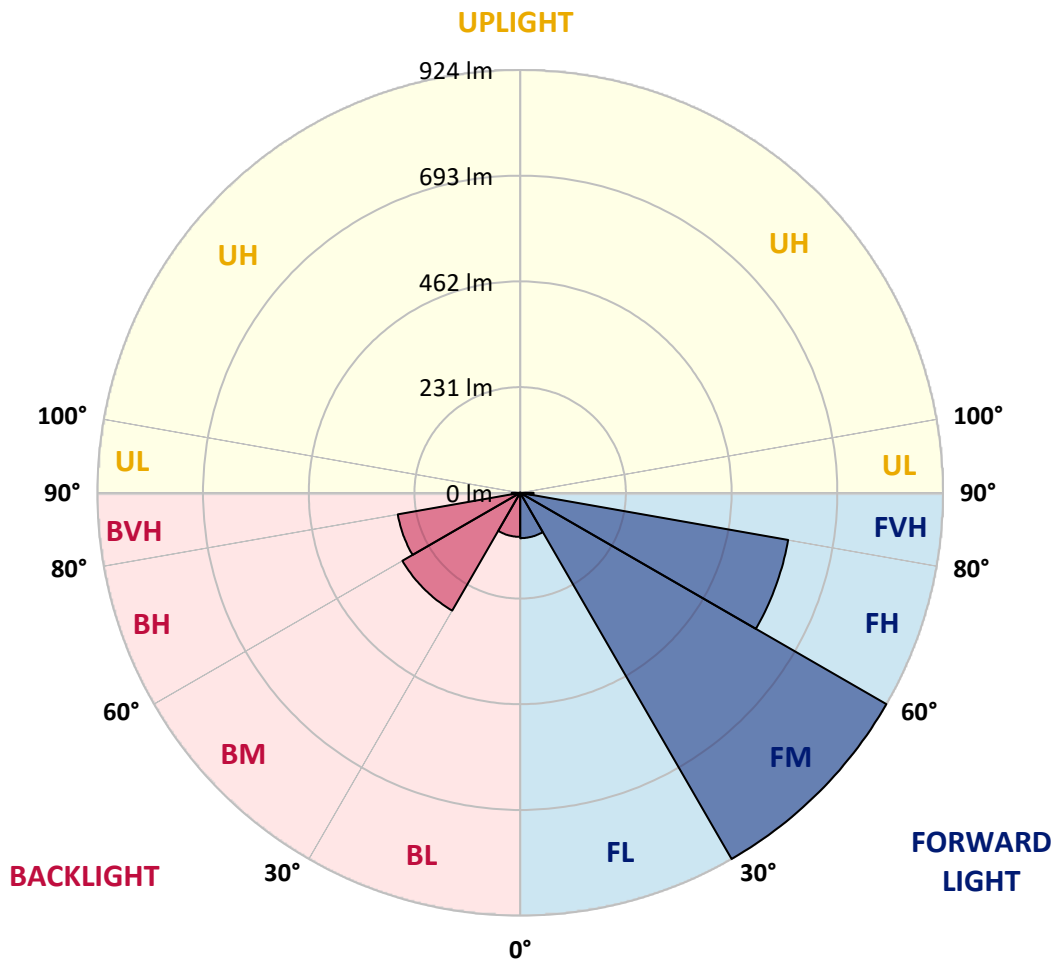
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	99.2	4.3			
FM (30°-60°)	924.4	39.6			
FH (60°-80°)	594.9	25.5			G0/660
FVH (80°-90°)	29.4	1.3			G1/100
BL (0°-30°)	96.3	4.1	B0/110		
BM (30°-60°)	297.2	12.7	B1/1000		
BH (60°-80°)	271.7	11.7	B1/500		G1/500
BVH (80°-90°)	18.6	0.8			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°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	324.7	324.7	324.7	324.7	324.7	324.7	324.7	324.7	324.7	324.7	324.7
2.5°	272.6	275.2	291.9	308.7	309.6	309.6	310.4	311.2	313.7	315.4	317.1
5°	254.2	255.9	255.9	255.9	256.7	257.5	258.4	258.4	260.1	260.9	262.6
7.5°	213.1	229.9	235.7	240.8	244.1	246.6	248.3	250.0	251.7	253.3	255.0
10°	242.4	242.4	243.3	243.3	243.3	242.4	225.7	208.0	216.4	224.8	212.2
12.5°	199.7	203.0	218.1	232.4	236.6	239.9	231.5	222.3	207.2	192.1	190.4
15°	237.4	237.4	237.4	236.6	221.5	205.5	189.6	172.8	182.9	192.9	177.8
17.5°	205.5	205.5	218.1	229.9	229.0	227.3	213.1	198.0	174.5	150.2	169.5
20°	259.2	258.4	254.2	249.2	218.1	187.1	193.8	200.5	202.2	203.0	197.1
22.5°	231.5	232.4	237.4	242.4	243.3	244.1	208.0	171.1	192.1	213.1	192.9
25°	322.1	320.5	312.9	304.5	270.1	234.9	241.6	248.3	213.9	178.7	200.5
27.5°	306.2	301.2	297.8	294.5	300.3	306.2	274.3	241.6	249.2	256.7	229.0
30°	437.9	437.9	429.5	420.3	368.3	315.4	307.0	298.6	278.5	257.5	262.6
32.5°	554.5	554.5	523.5	491.6	460.6	429.5	388.4	347.3	338.9	329.7	321.3
35°	698.0	693.8	676.1	657.7	590.6	523.5	470.6	417.8	401.0	384.2	375.8
37.5°	832.2	823.0	798.6	773.5	703.0	631.7	562.1	492.4	474.0	455.5	437.1
40°	942.9	937.9	921.1	903.5	823.8	744.1	665.2	585.5	561.2	536.9	510.0
42.5°	1044.4	1040.2	1025.1	1009.2	930.3	850.6	776.0	700.5	664.4	628.3	596.5
45°	1119.1	1112.4	1102.3	1091.4	1028.5	964.7	889.2	812.9	798.6	784.4	722.3
47.5°	1142.6	1130.8	1129.1	1127.5	1077.1	1026.8	966.4	906.0	908.5	911.0	838.9
50°	1108.2	1090.6	1098.1	1105.7	1085.5	1064.6	1017.6	970.6	991.6	1011.7	954.7
52.5°	983.2	979.0	998.3	1016.7	1021.8	1026.8	1016.7	1005.8	1044.4	1083.0	1062.0
55°	811.2	829.7	856.5	883.4	904.3	924.5	953.8	983.2	1049.5	1115.7	1130.8
57.5°	639.2	658.5	689.6	720.6	744.9	769.3	829.7	890.1	989.9	1089.7	1157.7
60°	430.4	450.5	501.7	552.0	586.4	620.8	675.3	729.8	855.7	981.5	1119.1
62.5°	286.9	280.2	323.0	364.9	420.3	475.7	500.0	523.5	655.2	786.0	1008.3
65°	176.2	177.0	193.8	209.7	271.0	331.4	350.7	369.1	443.8	518.4	821.3
67.5°	118.3	120.8	128.4	135.9	165.3	194.6	228.2	261.7	279.4	296.1	599.0
70°	104.9	105.7	109.1	112.4	120.8	129.2	160.2	191.3	181.2	170.3	339.8
72.5°	92.3	93.1	99.0	104.0	108.2	112.4	130.9	149.3	137.6	125.8	169.5
75°	75.5	78.0	83.9	88.9	97.3	104.9	109.1	113.3	107.4	100.7	109.1
77.5°	62.1	63.8	68.0	72.1	80.5	88.1	92.3	96.5	87.2	78.0	83.1
80°	48.7	49.5	52.9	56.2	62.9	68.8	73.8	78.0	69.6	60.4	62.9
82.5°	29.4	30.2	35.2	39.4	45.3	50.3	53.7	56.2	58.7	60.4	52.9
85°	15.9	15.9	19.3	22.7	23.5	24.3	27.7	30.2	37.8	44.5	38.6
87.5°	2.5	2.5	3.4	3.4	5.0	5.9	6.7	6.7	7.6	7.6	8.4
90°	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	324.7	324.7	324.7	324.7	324.7	324.7	324.7	324.7	324.7	324.7	324.7
2.5°	317.9	318.8	318.8	318.8	319.6	320.5	321.3	321.3	322.1	323.0	323.8
5°	264.3	286.1	307.0	310.4	312.9	314.6	316.3	317.1	318.8	320.5	321.3
7.5°	256.7	256.7	256.7	250.8	272.6	275.2	277.7	279.4	281.0	279.4	276.8
10°	198.8	198.8	198.0	199.7	208.9	224.8	239.9	241.6	243.3	229.9	215.6
12.5°	187.9	190.4	192.9	188.8	172.0	186.2	200.5	203.0	203.9	192.1	179.5
15°	161.9	162.7	163.6	169.5	203.9	218.1	232.4	234.9	237.4	224.8	211.4
17.5°	187.9	182.0	175.3	191.3	177.8	187.1	195.5	175.3	193.8	190.4	187.1
20°	191.3	171.1	150.2	178.7	208.9	223.1	236.6	238.2	239.1	229.0	218.1
22.5°	172.8	192.1	211.4	192.1	180.4	178.7	177.0	176.2	177.0	182.9	187.9
25°	222.3	198.0	173.7	218.1	245.8	252.5	259.2	255.9	254.2	241.6	229.0
27.5°	201.3	220.6	239.1	257.5	265.9	275.2	283.5	286.1	272.6	259.2	245.8
30°	266.8	278.5	289.4	327.2	354.9	363.2	371.6	363.2	358.2	341.4	323.8
32.5°	312.1	335.6	359.0	358.2	384.2	390.9	396.8	385.9	376.7	358.2	338.9
35°	367.4	382.5	397.6	406.0	432.0	434.5	437.1	422.8	409.4	387.6	365.8
37.5°	418.6	437.9	456.4	477.3	500.0	494.9	489.1	471.5	449.6	432.9	416.1
40°	482.4	505.9	529.3	556.2	569.6	562.1	553.7	526.8	505.9	488.2	470.6
42.5°	563.7	588.9	613.2	636.7	641.8	633.4	624.1	594.8	562.9	545.3	526.8
45°	659.4	679.5	699.6	724.0	734.0	718.9	703.0	666.1	628.3	603.2	578.0
47.5°	765.9	775.1	784.4	826.3	839.7	814.6	788.6	748.3	695.4	662.7	629.2
50°	897.6	895.1	891.7	928.7	959.7	917.7	875.0	828.0	776.0	729.8	682.9
52.5°	1041.1	1016.7	991.6	1041.1	1056.2	1005.8	955.5	905.2	853.2	793.6	733.2
55°	1145.9	1132.5	1119.1	1154.3	1152.6	1093.9	1034.4	974.8	932.0	852.3	772.6
57.5°	1224.8	1236.5	1247.4	1282.7	1242.4	1175.3	1108.2	1048.6	1011.7	911.9	812.0
60°	1255.8	1316.2	1375.8	1396.8	1335.5	1260.0	1183.7	1125.0	1093.9	973.1	852.3
62.5°	1230.7	1364.0	1497.4	1501.6	1421.1	1336.4	1251.6	1203.8	1187.9	1039.4	890.1
65°	1124.1	1343.9	1562.9	1578.0	1487.4	1398.4	1308.7	1273.4	1283.5	1101.5	918.6
67.5°	901.0	1221.4	1541.0	1590.5	1503.3	1409.3	1315.4	1302.8	1340.5	1131.7	922.8
70°	509.2	938.7	1367.4	1505.0	1458.8	1365.7	1271.8	1277.6	1333.8	1114.9	895.9
72.5°	212.2	649.3	1086.4	1302.0	1342.2	1263.4	1183.7	1205.5	1244.1	1036.0	827.1
75°	117.4	414.4	711.4	998.3	1122.4	1101.5	1079.7	1104.0	1085.5	884.2	682.9
77.5°	87.2	224.0	360.7	668.6	844.8	892.6	939.6	951.3	848.1	645.9	443.8
80°	65.4	106.5	146.8	341.4	453.0	538.6	624.1	571.3	499.1	349.0	198.8
82.5°	45.3	61.2	77.2	109.9	176.2	203.0	229.0	218.1	163.6	114.9	65.4
85°	31.9	40.3	48.7	60.4	75.5	60.4	45.3	36.9	42.8	39.4	36.1
87.5°	8.4	8.4	7.6	8.4	5.9	5.0	4.2	3.4	3.4	3.4	3.4
90°	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	324.7	324.7	324.7	324.7	324.7	324.7	324.7	324.7	324.7	324.7	324.7
2.5°	324.7	325.5	325.5	325.5	325.5	324.7	320.5	316.3	306.2	296.1	292.8
5°	310.4	299.5	291.1	282.7	282.7	282.7	284.4	286.1	286.9	287.7	288.6
7.5°	276.8	276.0	279.4	282.7	285.2	287.7	289.4	291.1	287.7	284.4	276.8
10°	216.4	216.4	220.6	224.0	229.9	235.7	252.5	269.3	283.5	297.8	300.3
12.5°	196.3	212.2	203.0	192.9	213.9	234.9	253.3	271.0	285.2	298.6	287.7
15°	197.1	182.0	185.4	188.8	211.4	234.1	217.3	199.7	233.2	265.9	273.5
17.5°	187.9	188.8	203.9	219.0	196.3	172.8	202.2	231.5	244.1	255.9	245.0
20°	192.9	166.9	184.6	202.2	218.1	233.2	218.1	202.2	206.4	210.6	239.1
22.5°	203.9	219.8	204.7	189.6	208.0	225.7	218.1	210.6	224.0	236.6	224.8
25°	203.0	176.2	201.3	226.5	209.7	192.1	201.3	210.6	203.9	196.3	218.1
27.5°	234.1	222.3	215.6	208.0	217.3	226.5	207.2	187.9	187.9	187.9	185.4
30°	292.8	261.7	248.3	234.1	211.4	188.8	182.0	175.3	176.2	177.0	189.6
32.5°	327.2	315.4	275.2	234.9	213.9	192.9	175.3	157.7	159.4	161.1	177.0
35°	357.4	348.1	294.5	239.9	205.5	170.3	155.2	139.3	146.8	153.5	166.9
37.5°	391.8	366.6	293.6	219.8	182.9	146.0	136.7	127.5	132.5	136.7	145.1
40°	422.8	374.1	286.1	197.1	160.2	122.5	118.3	113.3	117.4	121.6	126.7
42.5°	456.4	385.1	275.2	164.4	135.1	105.7	104.0	102.3	106.5	110.7	114.1
45°	482.4	386.7	260.9	134.2	114.9	95.6	95.6	94.8	99.0	102.3	104.0
47.5°	499.1	368.3	238.2	107.4	99.0	90.6	91.4	91.4	94.8	97.3	98.2
50°	510.9	338.1	216.4	94.8	90.6	86.4	86.4	86.4	89.8	92.3	94.0
52.5°	519.3	304.5	196.3	87.2	85.6	83.1	83.1	82.2	86.4	90.6	91.4
55°	521.8	270.1	176.2	81.4	79.7	78.0	79.7	80.5	85.6	89.8	90.6
57.5°	527.7	243.3	159.4	75.5	74.7	73.8	76.3	78.9	83.9	88.9	88.9
60°	539.4	225.7	147.6	69.6	69.6	69.6	73.8	77.2	82.2	87.2	86.4
62.5°	550.3	209.7	136.7	63.8	64.6	65.4	70.5	75.5	80.5	85.6	84.7
65°	552.0	184.6	121.6	58.7	60.4	61.2	67.1	73.0	78.0	83.1	81.4
67.5°	533.5	144.3	99.0	53.7	56.2	57.9	64.6	70.5	75.5	79.7	78.0
70°	500.0	103.2	76.3	49.5	52.0	53.7	60.4	66.3	70.5	74.7	73.0
72.5°	450.5	73.8	59.6	45.3	47.0	48.7	54.5	60.4	65.4	69.6	68.0
75°	371.6	59.6	50.3	41.1	42.8	43.6	49.5	54.5	59.6	63.8	61.2
77.5°	246.6	48.7	42.8	36.9	37.8	38.6	43.6	47.8	52.0	55.4	53.7
80°	119.1	39.4	36.1	31.9	32.7	32.7	36.9	41.1	44.5	47.0	46.1
82.5°	48.7	31.0	28.5	26.0	26.0	26.0	30.2	33.6	36.9	39.4	37.8
85°	30.2	24.3	22.7	20.1	19.3	18.5	20.1	21.8	23.5	24.3	23.5
87.5°	4.2	4.2	5.0	5.9	5.0	3.4	5.0	6.7	6.7	5.9	5.0
90°	0.0	0.0	2.5	2.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	324.7	324.7	324.7	324.7
2.5°	289.4	289.4	289.4	291.1
5°	288.6	288.6	288.6	290.3
7.5°	269.3	260.9	252.5	253.3
10°	302.0	302.8	302.8	303.7
12.5°	276.0	262.6	249.2	250.8
15°	281.0	281.0	280.2	281.0
17.5°	234.1	229.9	225.7	225.7
20°	267.6	267.6	267.6	267.6
22.5°	213.1	212.2	211.4	212.2
25°	239.9	240.8	240.8	239.9
27.5°	182.9	193.8	203.9	204.7
30°	201.3	201.3	201.3	201.3
32.5°	192.9	201.3	209.7	210.6
35°	179.5	178.7	177.8	180.4
37.5°	152.7	151.0	149.3	149.3
40°	131.7	128.4	125.0	125.0
42.5°	116.6	114.1	110.7	109.9
45°	105.7	103.2	99.8	99.8
47.5°	98.2	96.5	94.8	94.0
50°	94.8	93.1	91.4	91.4
52.5°	92.3	91.4	89.8	89.8
55°	90.6	89.8	88.1	88.1
57.5°	88.9	88.1	86.4	86.4
60°	85.6	84.7	83.9	83.9
62.5°	83.1	82.2	81.4	81.4
65°	79.7	79.7	78.9	78.0
67.5°	75.5	75.5	75.5	73.8
70°	70.5	70.5	70.5	68.8
72.5°	65.4	65.4	64.6	62.1
75°	58.7	57.9	57.0	55.4
77.5°	52.0	50.3	48.7	47.8
80°	44.5	42.8	41.1	39.4
82.5°	35.2	34.4	32.7	28.5
85°	21.8	19.3	15.9	14.3
87.5°	4.2	3.4	2.5	0.8
90°	0.0	0.0	0.0	0.0

(END OF REPORT)