

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: P559961

Luminaire Tested: **SDL-PA1-20-722-U-SL3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559961
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-16)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-20-722-U-SL3
Description: Springdale
(1) 70 CRI, 2200K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2015 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type III - 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

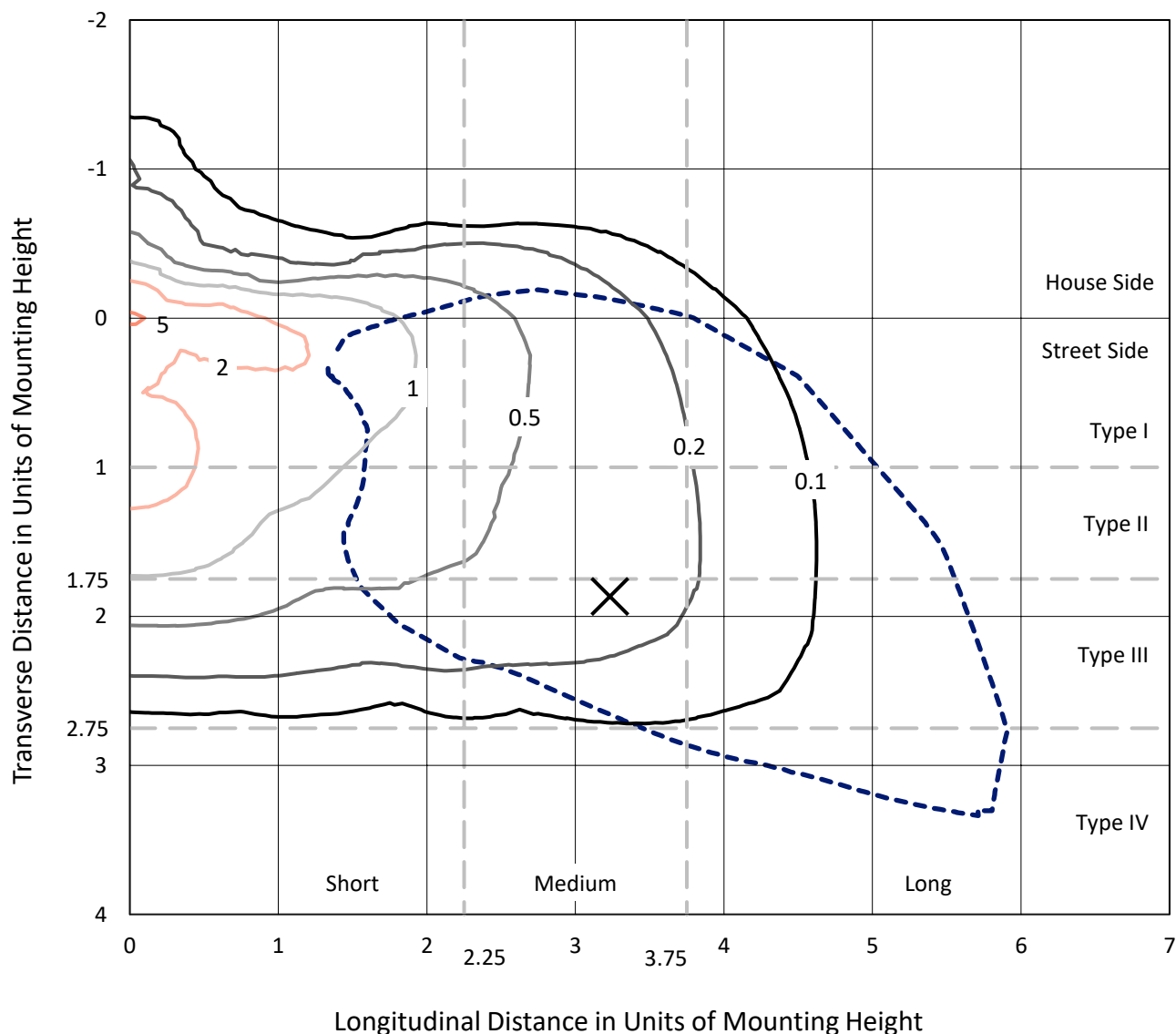


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

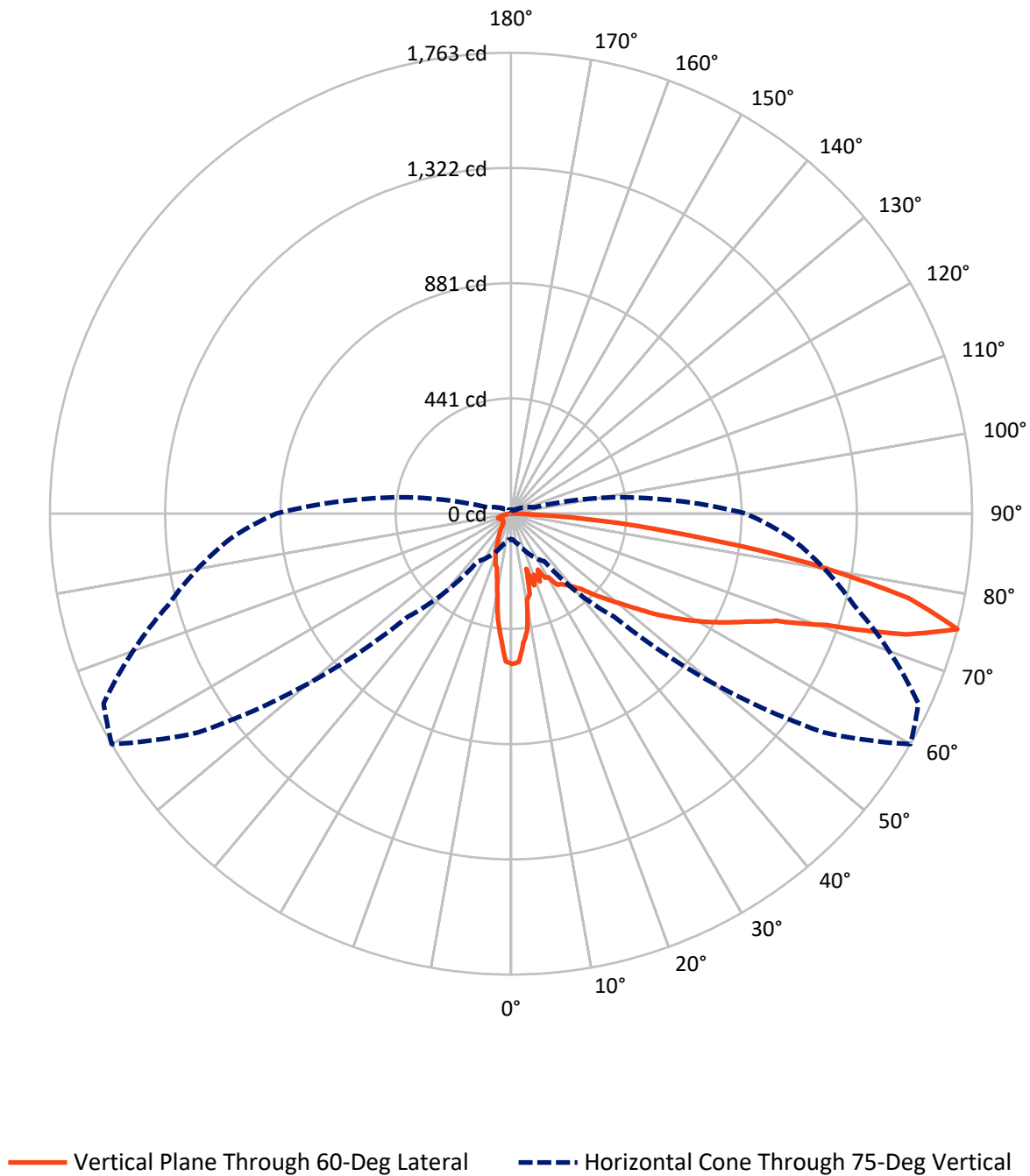


Based on 10 foot mounting height. Maximum calculated value = 5.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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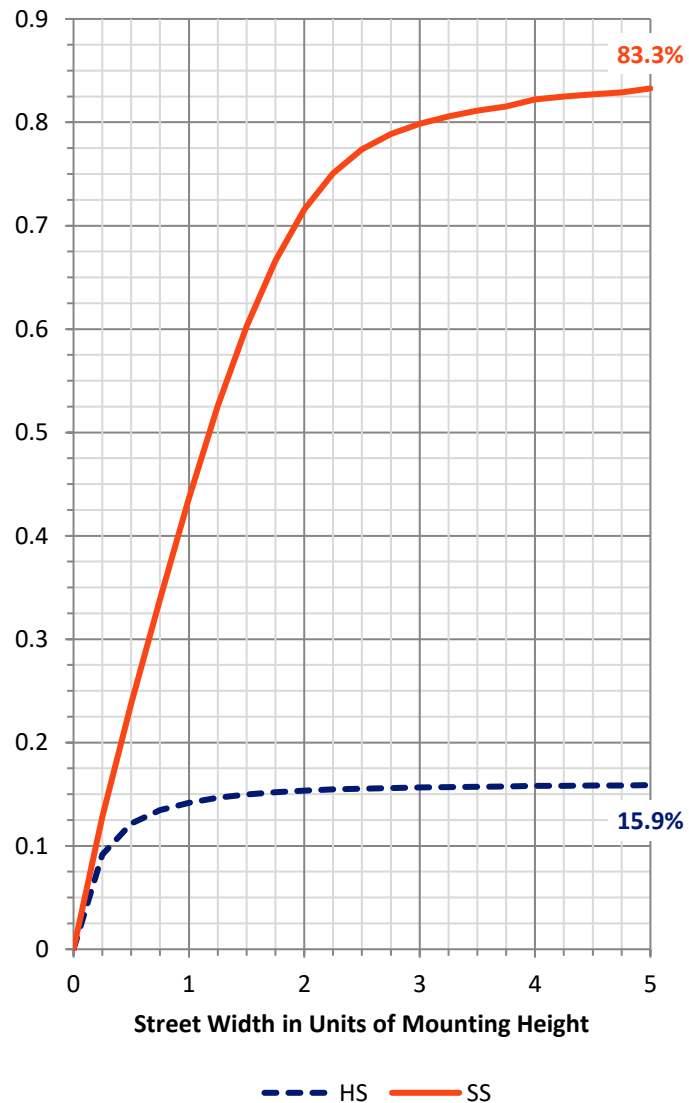
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	323.9	0.0	323.9
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	1691.1	0.0	1691.1
	% Fixture	83.9	0.0	83.9
Total	Lumens	2015.0	0.0	2015.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.9	2.1
10°-20°	75.6	3.8
20°-30°	99.1	4.9
30°-40°	163.5	8.1
40°-50°	255.4	12.7
50°-60°	388.8	19.3
60°-70°	481.7	23.9
70°-80°	425.5	21.1
80°-90°	83.4	4.1
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°	2015.0	100.0
0°-180°	2015.0	100.0

Coefficient of Utilization



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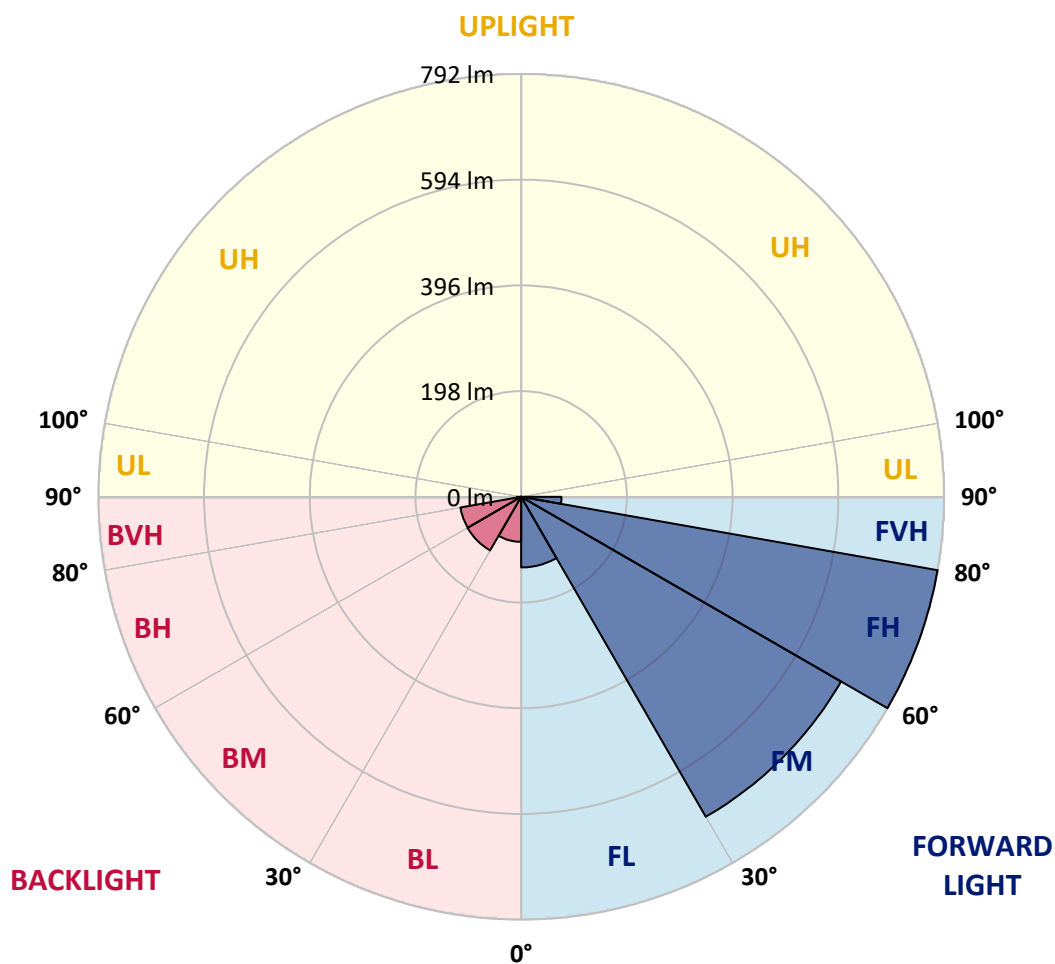
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	132.3	6.6			
FM	(30°-60°)	691.6	34.3			
FH	(60°-80°)	791.7	39.3			G1/1800
FVH	(80°-90°)	75.5	3.7			G1/100
BL	(0°-30°)	84.4	4.2	B0/110		
BM	(30°-60°)	116.0	5.8	B0/220		
BH	(60°-80°)	115.5	5.7	B1/500		G1/500
BVH	(80°-90°)	8.0	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	574.7	574.7	574.7	574.7	574.7	574.7	574.7	574.7	574.7	574.7	574.7
2.5°	477.4	531.2	518.7	506.1	525.3	543.8	549.7	554.8	557.8	560.7	563.7
5°	443.4	444.2	444.9	445.6	447.8	449.3	452.3	455.2	458.2	460.4	463.3
7.5°	342.3	354.1	373.3	392.5	404.3	415.4	422.0	427.9	432.4	436.8	441.2
10°	380.7	382.9	383.7	383.7	387.3	391.0	363.0	334.2	348.2	362.3	346.8
12.5°	298.8	306.9	331.3	354.9	362.3	368.9	355.6	342.3	321.7	300.3	298.8
15°	343.1	345.3	346.0	346.0	323.2	300.3	284.8	268.6	281.1	292.9	265.6
17.5°	265.6	267.8	287.0	306.2	309.9	313.6	297.3	281.1	245.0	208.1	242.7
20°	315.8	317.3	317.3	317.3	278.9	240.5	243.5	245.7	257.5	269.3	259.7
22.5°	254.5	254.5	254.5	254.5	266.3	277.4	253.8	230.2	243.5	256.8	245.0
25°	320.2	322.4	317.3	311.4	275.9	240.5	251.6	262.7	242.7	222.8	240.5
27.5°	292.2	290.0	279.6	268.6	273.7	278.9	254.5	230.2	245.7	261.2	253.8
30°	388.1	381.4	370.4	359.3	317.3	275.2	268.6	261.9	248.6	234.6	250.1
32.5°	515.7	498.8	447.1	395.5	369.6	343.8	310.6	277.4	274.5	270.8	275.2
35°	549.7	538.6	517.2	495.1	450.8	405.8	363.7	320.9	306.9	292.2	295.1
37.5°	556.3	552.6	548.2	543.0	498.0	453.0	407.3	361.5	346.8	331.3	320.2
40°	561.5	564.4	572.5	579.9	534.9	489.2	447.8	405.8	390.3	374.1	354.9
42.5°	585.1	593.2	603.5	613.1	571.8	530.5	494.3	458.2	438.3	418.3	400.6
45°	639.7	644.1	655.2	665.5	626.4	586.6	545.2	503.2	486.2	469.2	451.5
47.5°	719.4	726.7	726.0	725.3	681.7	637.5	591.0	543.8	532.7	520.9	503.9
50°	819.7	814.5	800.5	786.5	739.3	691.3	636.7	581.4	576.2	570.3	556.3
52.5°	869.9	866.2	847.0	827.1	779.1	731.2	672.1	612.4	619.0	625.7	612.4
55°	872.8	870.6	856.6	842.6	796.1	749.6	697.2	644.8	661.1	677.3	672.1
57.5°	851.4	852.2	847.7	842.6	801.3	759.9	716.4	672.9	700.9	728.2	733.4
60°	796.8	807.9	815.3	822.6	796.8	771.0	733.4	695.7	738.5	781.3	795.3
62.5°	695.7	705.3	731.9	757.7	762.9	767.3	742.2	716.4	774.0	830.8	853.6
65°	539.3	552.6	592.5	632.3	673.6	714.9	720.8	726.7	824.1	921.5	940.7
67.5°	336.4	343.8	385.9	427.2	510.6	593.2	640.4	687.6	855.8	1023.3	1053.6
70°	177.8	188.9	209.5	229.5	301.0	372.6	468.5	564.4	807.9	1051.4	1175.3
72.5°	135.0	139.4	150.5	161.6	186.7	211.7	272.2	332.7	632.3	931.1	1216.6
75°	97.4	101.1	112.9	124.0	149.0	173.4	198.5	222.8	390.3	557.8	1008.6
77.5°	56.8	58.3	64.2	69.4	108.5	147.6	174.9	201.4	242.0	281.8	720.1
80°	39.1	39.8	42.1	44.3	61.2	78.2	130.6	183.0	201.4	219.1	477.4
82.5°	25.8	29.5	31.0	32.5	38.4	44.3	76.7	108.5	159.4	209.5	326.1
85°	13.3	14.8	17.7	19.9	22.9	25.1	34.7	43.5	132.1	219.9	234.6
87.5°	1.5	2.2	3.0	3.0	3.7	4.4	6.6	8.9	39.8	70.8	60.5
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°	574.7	574.7	574.7	574.7	574.7	574.7	574.7	574.7	574.7	574.7	574.7
2.5°	566.6	568.1	567.4	568.8	569.6	570.3	571.1	571.1	570.3	568.8	567.4
5°	466.3	495.8	546.0	551.1	556.3	557.8	559.3	560.0	558.5	556.3	554.1
7.5°	444.9	449.3	404.3	440.5	475.9	478.8	481.0	479.6	480.3	460.4	439.7
10°	331.3	335.0	336.4	347.5	357.8	382.2	406.5	402.8	399.9	364.5	328.3
12.5°	297.3	316.5	320.9	302.5	284.1	309.1	334.2	331.3	326.1	293.6	261.2
15°	238.3	218.4	261.2	301.0	340.1	363.7	386.6	380.0	374.1	332.7	290.7
17.5°	276.7	288.5	274.5	280.4	286.3	304.0	320.9	310.6	306.9	278.2	248.6
20°	250.1	249.4	239.8	274.5	309.1	343.8	377.8	367.4	349.7	293.6	236.8
22.5°	233.1	281.1	301.8	297.3	292.2	278.9	264.9	256.0	242.7	230.2	216.9
25°	257.5	237.6	253.8	306.9	359.3	368.9	378.5	356.4	327.6	270.8	214.0
27.5°	246.4	277.4	298.1	333.5	368.2	401.4	434.6	405.1	367.4	296.6	225.0
30°	265.6	282.6	340.1	406.5	472.9	484.7	495.8	455.2	405.1	333.5	261.9
32.5°	279.6	324.6	375.5	427.2	478.1	486.9	495.8	450.1	392.5	313.6	234.6
35°	297.3	330.5	377.0	437.5	498.0	500.2	501.7	448.6	383.7	294.4	204.4
37.5°	309.1	346.8	396.9	461.1	525.3	520.9	515.7	455.2	380.7	281.1	181.5
40°	335.7	368.2	422.0	487.7	553.4	546.0	538.6	469.2	381.4	267.8	153.5
42.5°	382.2	394.7	453.0	523.1	593.2	585.1	576.2	493.6	390.3	260.4	129.9
45°	433.1	439.0	489.2	568.8	648.5	638.2	627.9	531.2	406.5	256.8	107.0
47.5°	486.2	484.7	531.2	627.9	723.8	701.6	679.5	575.5	436.8	264.1	91.5
50°	541.5	539.3	584.3	688.4	792.4	768.8	745.2	628.6	471.5	277.4	82.6
52.5°	598.4	603.5	636.7	745.2	852.9	831.5	809.4	686.2	505.4	292.2	78.9
55°	666.2	682.5	695.7	804.2	912.7	891.3	869.1	745.2	552.6	315.0	77.5
57.5°	737.8	759.2	765.1	864.0	962.8	948.8	934.1	801.3	600.6	341.6	81.9
60°	809.4	837.4	858.8	938.5	1017.4	1001.2	985.0	858.1	645.6	371.1	96.7
62.5°	875.8	914.9	949.6	1007.8	1065.4	1046.2	1027.0	907.5	696.5	411.7	126.2
65°	959.1	993.8	1031.4	1069.8	1107.4	1089.0	1070.5	969.5	764.4	462.6	160.1
67.5°	1083.8	1094.2	1113.3	1137.0	1159.8	1148.8	1137.0	1045.5	823.4	492.1	160.1
70°	1298.5	1275.7	1246.9	1246.1	1244.7	1227.0	1208.5	1088.3	827.1	480.3	133.5
72.5°	1501.4	1579.6	1488.1	1421.7	1355.3	1277.1	1198.2	1030.7	730.4	418.3	106.2
75°	1458.6	1762.6	1718.3	1538.3	1358.3	1216.6	1075.0	897.9	601.3	346.0	90.7
77.5°	1157.6	1555.3	1597.3	1432.1	1266.1	1074.2	881.7	694.3	416.9	246.4	76.0
80°	734.9	1162.8	1170.2	1016.7	862.5	656.6	450.8	302.5	200.7	130.6	60.5
82.5°	442.7	688.4	599.1	429.4	259.7	180.0	99.6	95.9	73.8	54.6	35.4
85°	249.4	337.2	242.0	158.6	75.3	53.9	31.7	33.9	32.5	26.6	19.9
87.5°	49.4	58.3	39.8	22.9	5.9	5.9	5.2	5.2	3.7	3.7	3.0
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°	574.7	574.7	574.7	574.7	574.7	574.7	574.7	574.7	574.7	574.7	574.7
2.5°	567.4	567.4	565.9	564.4	563.7	562.9	540.8	518.7	503.9	488.4	484.7
5°	526.8	499.5	478.8	458.2	453.7	449.3	448.6	447.8	445.6	442.7	441.9
7.5°	416.1	391.8	408.7	425.0	422.0	418.3	416.1	413.2	408.0	402.8	377.0
10°	320.2	312.1	312.1	311.4	305.4	299.5	312.8	326.1	340.9	355.6	354.1
12.5°	273.0	284.1	255.3	225.8	242.0	257.5	272.2	286.3	293.6	301.0	278.2
15°	257.5	223.6	214.0	204.4	211.7	219.1	197.7	175.6	192.6	209.5	213.2
17.5°	230.9	213.2	203.6	193.3	165.3	136.5	146.1	155.7	154.9	154.2	150.5
20°	215.4	193.3	176.3	158.6	145.3	132.1	118.0	103.3	96.7	89.3	107.0
22.5°	205.1	193.3	157.9	122.5	112.1	101.8	90.7	78.9	83.4	87.1	90.0
25°	179.3	143.9	124.0	104.0	87.8	70.8	71.6	72.3	68.6	64.9	81.9
27.5°	181.5	137.2	106.2	75.3	69.4	62.7	59.0	54.6	60.5	65.7	67.1
30°	190.4	118.8	90.0	61.2	54.6	48.0	50.2	51.6	51.6	51.6	59.0
32.5°	169.0	103.3	76.7	49.4	45.7	41.3	42.1	42.1	45.7	49.4	53.1
35°	143.1	81.2	62.7	43.5	39.8	36.2	37.6	39.1	42.8	46.5	51.6
37.5°	123.2	64.2	51.6	39.1	36.9	34.7	35.4	36.2	39.8	42.8	47.2
40°	104.0	53.9	45.7	37.6	35.4	33.2	33.9	33.9	36.9	39.8	42.8
42.5°	90.0	49.4	43.5	36.9	34.7	31.7	32.5	32.5	34.7	36.9	39.1
45°	77.5	47.2	42.1	36.2	33.9	31.0	31.0	30.2	32.5	33.9	35.4
47.5°	69.4	46.5	41.3	36.2	33.2	29.5	28.8	28.0	30.2	31.7	33.9
50°	64.9	46.5	41.3	35.4	31.7	28.0	27.3	26.6	29.5	31.7	35.4
52.5°	63.5	47.2	41.3	35.4	31.0	26.6	26.6	26.6	31.7	36.9	38.4
55°	63.5	48.7	42.1	34.7	30.2	25.8	27.3	28.8	30.2	31.7	31.7
57.5°	64.9	48.0	40.6	33.2	30.2	26.6	25.8	25.1	25.8	26.6	26.6
60°	71.6	46.5	39.1	31.7	28.0	24.3	23.6	22.9	24.3	25.1	25.1
62.5°	86.3	45.7	39.1	31.7	27.3	22.9	22.9	22.1	22.9	23.6	24.3
65°	105.5	50.9	41.3	31.7	27.3	22.9	21.4	19.9	21.4	22.1	22.1
67.5°	109.9	59.8	48.0	35.4	28.8	22.1	20.7	19.2	20.7	21.4	21.4
70°	99.6	65.7	51.6	37.6	30.2	22.1	20.7	18.4	19.2	19.9	19.2
72.5°	85.6	64.2	50.9	36.9	29.5	21.4	19.9	17.7	18.4	18.4	17.7
75°	73.0	55.3	43.5	31.0	25.1	18.4	17.0	15.5	16.2	16.2	16.2
77.5°	61.2	45.7	35.4	24.3	19.9	14.8	14.0	13.3	14.0	14.8	14.0
80°	48.0	34.7	26.6	17.7	14.8	11.1	11.8	11.8	12.5	12.5	12.5
82.5°	28.0	20.7	17.0	12.5	10.3	8.1	8.9	9.6	10.3	10.3	10.3
85°	17.0	13.3	11.1	8.9	7.4	5.2	6.6	7.4	7.4	7.4	6.6
87.5°	3.0	3.0	3.0	3.0	2.2	1.5	3.0	3.7	3.7	3.7	3.0
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):

	165°	170°	175°	180°
0°	574.7	574.7	574.7	574.7
2.5°	480.3	480.3	479.6	479.6
5°	441.2	439.7	438.3	439.7
7.5°	351.2	340.9	330.5	333.5
10°	351.9	351.2	350.5	349.7
12.5°	254.5	246.4	238.3	233.1
15°	216.2	214.0	211.0	211.0
17.5°	146.1	139.4	132.8	128.4
20°	124.7	128.4	131.3	132.8
22.5°	93.0	95.9	98.9	100.3
25°	98.1	105.5	112.1	112.9
27.5°	67.9	71.6	74.5	73.0
30°	66.4	68.6	70.8	70.8
32.5°	56.8	62.7	68.6	69.4
35°	56.8	59.8	62.7	63.5
37.5°	50.9	53.1	54.6	55.3
40°	45.7	47.2	48.0	48.0
42.5°	40.6	44.3	47.2	47.2
45°	36.2	45.7	55.3	58.3
47.5°	35.4	49.4	63.5	66.4
50°	38.4	51.6	64.2	65.7
52.5°	39.1	46.5	53.1	53.1
55°	31.0	34.7	37.6	36.9
57.5°	26.6	29.5	31.7	31.7
60°	25.1	28.8	31.7	32.5
62.5°	24.3	25.8	27.3	28.8
65°	22.1	22.1	22.1	22.1
67.5°	20.7	20.7	19.9	19.9
70°	18.4	18.4	18.4	18.4
72.5°	17.0	17.0	17.0	16.2
75°	15.5	15.5	14.8	14.8
77.5°	13.3	13.3	13.3	13.3
80°	11.8	11.8	11.1	11.1
82.5°	9.6	9.6	8.9	8.1
85°	5.9	5.9	5.2	4.4
87.5°	2.2	2.2	1.5	0.7
90°	0.0	0.0	0.0	0.0

(END OF REPORT)