

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: P559983

Luminaire Tested: **SDL-PA1-20-727-U-SL3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559983
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-PA1-20-727-U-SL3
Description: Springdale
(1) 70 CRI, 2700K, 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: 2292.3 lumens
Efficiency: N/A
Efficacy: 109.2 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

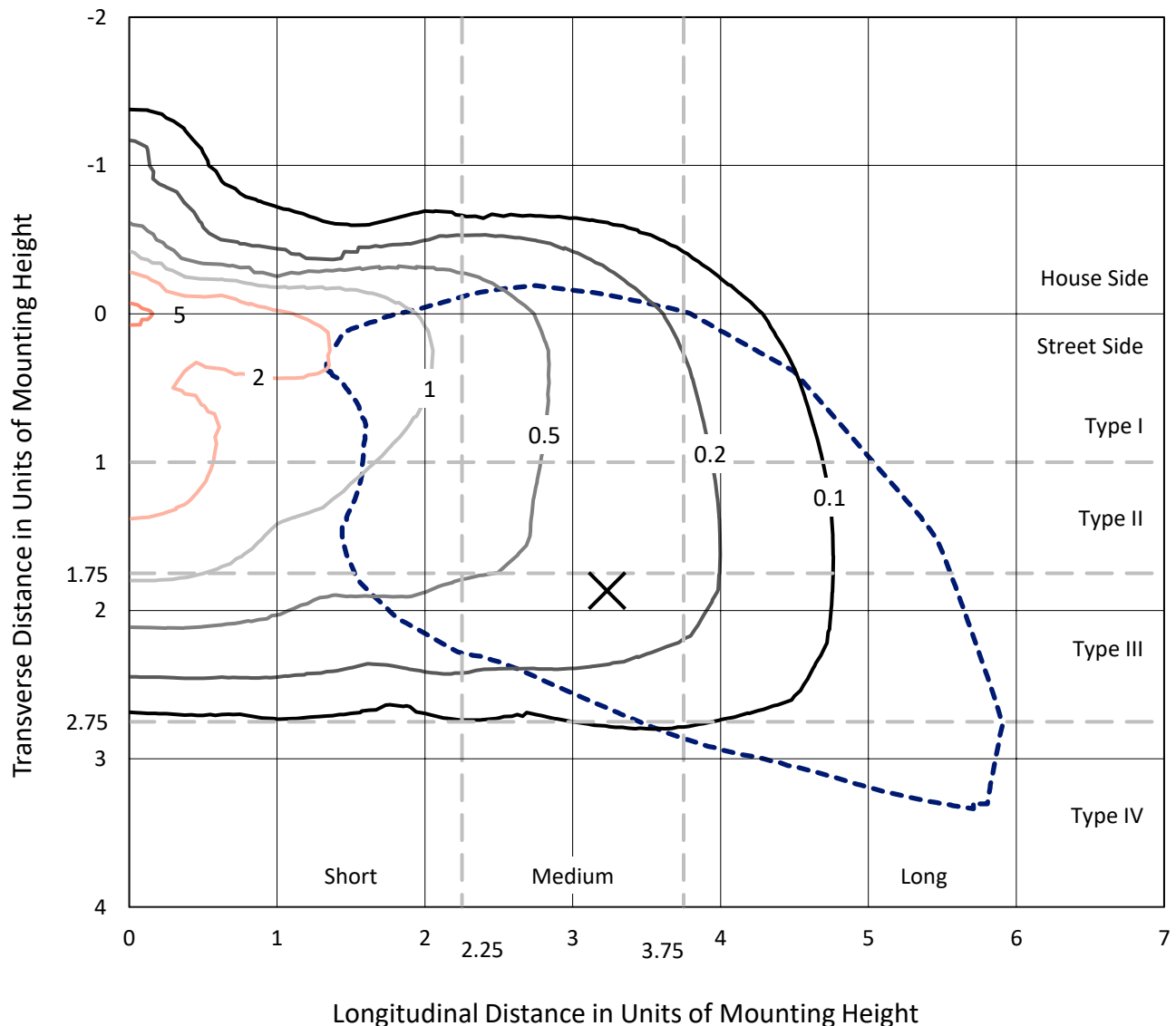


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

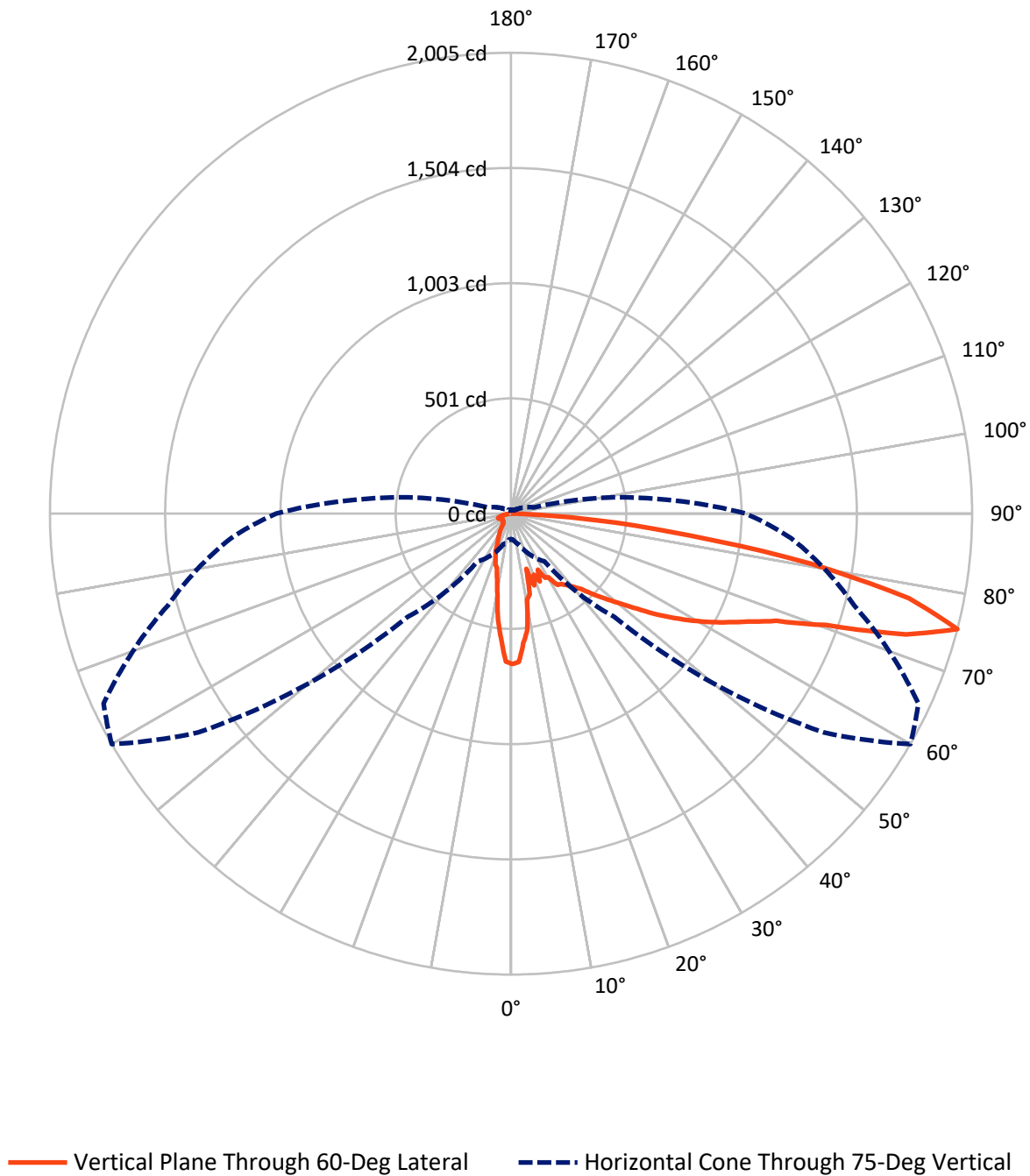


Based on 10 foot mounting height. Maximum calculated value = 6.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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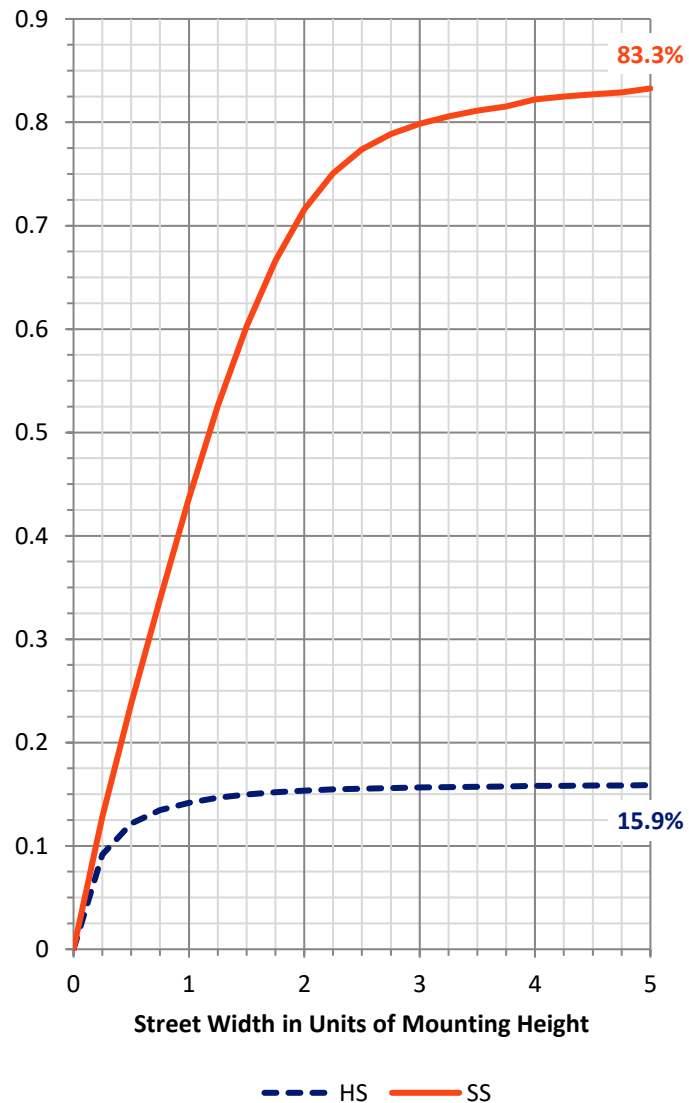
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	368.5	0.0	368.5
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	1923.9	0.0	1923.9
	% Fixture	83.9	0.0	83.9
Total	Lumens	2292.3	0.0	2292.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.7	2.1
10°-20°	86.1	3.8
20°-30°	112.7	4.9
30°-40°	186.0	8.1
40°-50°	290.5	12.7
50°-60°	442.3	19.3
60°-70°	548.0	23.9
70°-80°	484.1	21.1
80°-90°	94.9	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°	2292.3	100.0
0°-180°	2292.3	100.0

Coefficient of Utilization



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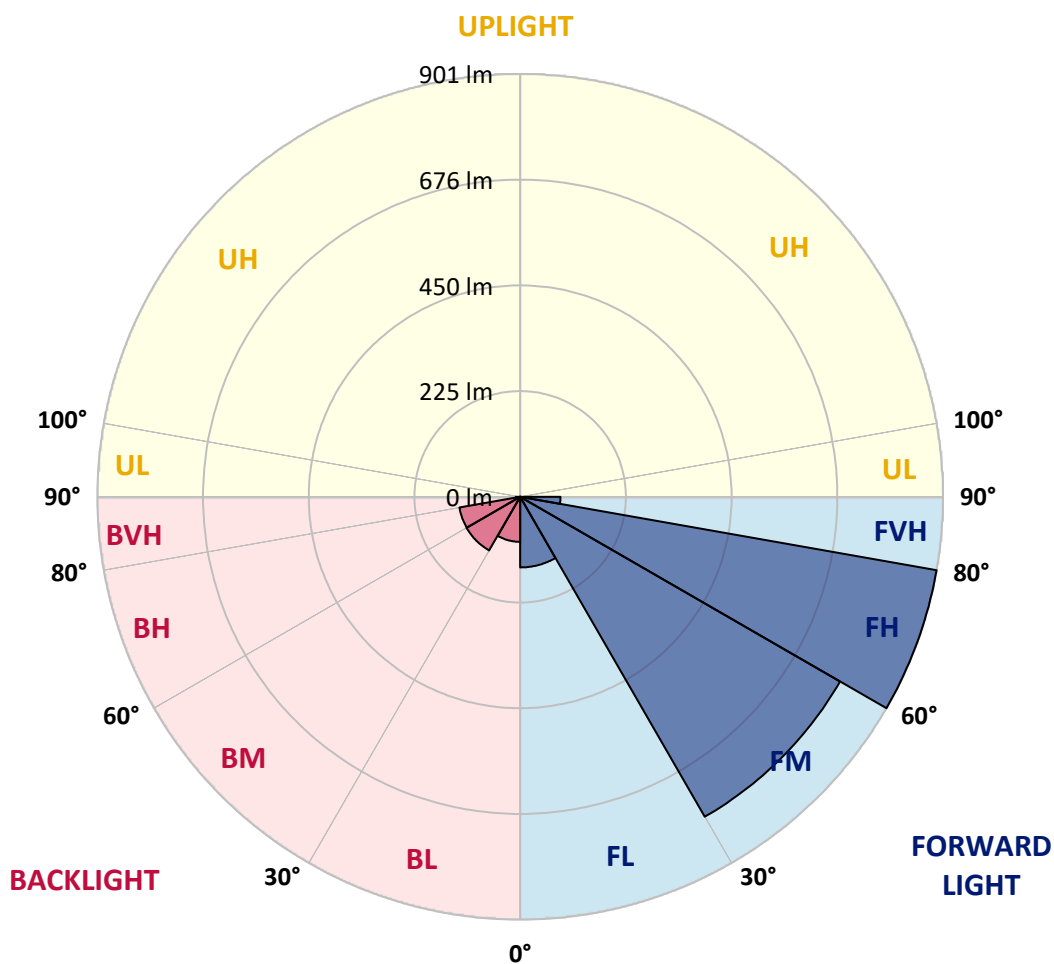
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	150.5	6.6			
FM	(30°-60°)	786.8	34.3			
FH	(60°-80°)	900.7	39.3			G1/1800
FVH	(80°-90°)	85.9	3.7			G1/100
BL	(0°-30°)	96.0	4.2	B0/110		
BM	(30°-60°)	132.0	5.8	B0/220		
BH	(60°-80°)	131.4	5.7	B1/500		G1/500
BVH	(80°-90°)	9.1	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°	653.9	653.9	653.9	653.9	653.9	653.9	653.9	653.9	653.9	653.9	653.9
2.5°	543.1	604.3	590.1	575.8	597.6	618.6	625.3	631.2	634.6	637.9	641.3
5°	504.5	505.3	506.1	507.0	509.5	511.2	514.5	517.9	521.2	523.8	527.1
7.5°	389.5	402.9	424.7	446.5	460.0	472.6	480.1	486.8	491.9	496.9	501.9
10°	433.1	435.6	436.5	436.5	440.7	444.9	413.0	380.2	396.2	412.1	394.5
12.5°	339.9	349.2	376.9	403.7	412.1	419.7	404.6	389.5	366.0	341.6	339.9
15°	390.3	392.8	393.7	393.7	367.6	341.6	324.0	305.5	319.8	333.2	302.2
17.5°	302.2	304.7	326.5	348.3	352.5	356.7	338.3	319.8	278.7	236.7	276.1
20°	359.2	360.9	360.9	360.9	317.3	273.6	277.0	279.5	292.9	306.4	295.5
22.5°	289.6	289.6	289.6	289.6	303.0	315.6	288.7	261.9	277.0	292.1	278.7
25°	364.3	366.8	360.9	354.2	313.9	273.6	286.2	298.8	276.1	253.5	273.6
27.5°	332.4	329.9	318.1	305.5	311.4	317.3	289.6	261.9	279.5	297.1	288.7
30°	441.5	433.9	421.4	408.8	360.9	313.1	305.5	298.0	282.9	266.9	284.5
32.5°	586.7	567.4	508.7	449.9	420.5	391.1	353.4	315.6	312.2	308.0	313.1
35°	625.3	612.7	588.4	563.2	512.8	461.6	413.8	365.1	349.2	332.4	335.7
37.5°	632.9	628.7	623.6	617.8	566.6	515.4	463.3	411.3	394.5	376.9	364.3
40°	638.8	642.1	651.3	659.7	608.5	556.5	509.5	461.6	444.0	425.6	403.7
42.5°	665.6	674.8	686.6	697.5	650.5	603.5	562.4	521.2	498.6	475.9	455.8
45°	727.7	732.8	745.4	757.1	712.6	667.3	620.3	572.4	553.1	533.8	513.7
47.5°	818.4	826.8	825.9	825.1	775.6	725.2	672.3	618.6	606.0	592.6	573.3
50°	932.5	926.7	910.7	894.8	841.0	786.5	724.4	661.4	655.5	648.8	632.9
52.5°	989.6	985.4	963.6	940.9	886.4	831.8	764.7	696.7	704.2	711.8	696.7
55°	993.0	990.4	974.5	958.6	905.7	852.8	793.2	733.6	752.1	770.5	764.7
57.5°	968.6	969.5	964.4	958.6	911.5	864.5	815.0	765.5	797.4	828.4	834.3
60°	906.5	919.1	927.5	935.9	906.5	877.1	834.3	791.5	840.2	888.9	904.8
62.5°	791.5	802.4	832.6	862.0	867.9	872.9	844.4	815.0	880.5	945.1	971.1
65°	613.6	628.7	674.0	719.3	766.3	813.3	820.1	826.8	937.6	1048.4	1070.2
67.5°	382.7	391.1	439.0	486.0	580.8	674.8	728.6	782.3	973.7	1164.2	1198.6
70°	202.3	214.9	238.4	261.0	342.5	423.9	533.0	642.1	919.1	1196.1	1337.1
72.5°	153.6	158.6	171.2	183.8	212.4	240.9	309.7	378.6	719.3	1059.3	1384.1
75°	110.8	115.0	128.4	141.0	169.6	197.2	225.8	253.5	444.0	634.6	1147.4
77.5°	64.6	66.3	73.0	78.9	123.4	167.9	198.9	229.1	275.3	320.6	819.2
80°	44.5	45.3	47.8	50.4	69.7	89.0	148.6	208.2	229.1	249.3	543.1
82.5°	29.4	33.6	35.3	36.9	43.6	50.4	87.3	123.4	181.3	238.4	371.0
85°	15.1	16.8	20.1	22.7	26.0	28.5	39.4	49.5	150.2	250.1	266.9
87.5°	1.7	2.5	3.4	3.4	4.2	5.0	7.6	10.1	45.3	80.6	68.8
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°	653.9	653.9	653.9	653.9	653.9	653.9	653.9	653.9	653.9	653.9	653.9
2.5°	644.6	646.3	645.5	647.1	648.0	648.8	649.7	649.7	648.8	647.1	645.5
5°	530.5	564.1	621.1	627.0	632.9	634.6	636.2	637.1	635.4	632.9	630.4
7.5°	506.1	511.2	460.0	501.1	541.4	544.7	547.3	545.6	546.4	523.8	500.3
10°	376.9	381.1	382.7	395.3	407.1	434.8	462.5	458.3	454.9	414.6	373.5
12.5°	338.3	360.1	365.1	344.1	323.2	351.7	380.2	376.9	371.0	334.1	297.1
15°	271.1	248.5	297.1	342.5	386.9	413.8	439.8	432.3	425.6	378.6	330.7
17.5°	314.8	328.2	312.2	319.0	325.7	345.8	365.1	353.4	349.2	316.4	282.9
20°	284.5	283.7	272.8	312.2	351.7	391.1	429.8	418.0	397.9	334.1	269.4
22.5°	265.2	319.8	343.3	338.3	332.4	317.3	301.3	291.3	276.1	261.9	246.8
25°	292.9	270.3	288.7	349.2	408.8	419.7	430.6	405.4	372.7	308.0	243.4
27.5°	280.3	315.6	339.1	379.4	418.8	456.6	494.4	460.8	418.0	337.4	256.0
30°	302.2	321.5	386.9	462.5	538.0	551.5	564.1	517.9	460.8	379.4	298.0
32.5°	318.1	369.3	427.2	486.0	543.9	554.0	564.1	512.0	446.5	356.7	266.9
35°	338.3	376.0	428.9	497.7	566.6	569.1	570.8	510.3	436.5	334.9	232.5
37.5°	351.7	394.5	451.6	524.6	597.6	592.6	586.7	517.9	433.1	319.8	206.5
40°	381.9	418.8	480.1	554.8	629.5	621.1	612.7	533.8	433.9	304.7	174.6
42.5°	434.8	449.1	515.4	595.1	674.8	665.6	655.5	561.5	444.0	296.3	147.7
45°	492.7	499.4	556.5	647.1	737.8	726.0	714.3	604.3	462.5	292.1	121.7
47.5°	553.1	551.5	604.3	714.3	823.4	798.2	773.1	654.7	496.9	300.5	104.1
50°	616.1	613.6	664.8	783.1	901.5	874.6	847.8	715.1	536.4	315.6	94.0
52.5°	680.7	686.6	724.4	847.8	970.3	946.0	920.8	780.6	575.0	332.4	89.8
55°	757.9	776.4	791.5	914.9	1038.3	1013.9	988.8	847.8	628.7	358.4	88.1
57.5°	839.4	863.7	870.4	982.9	1095.4	1079.4	1062.6	911.5	683.2	388.6	93.2
60°	920.8	952.7	977.0	1067.7	1157.5	1139.0	1120.5	976.2	734.4	422.2	110.0
62.5°	996.3	1040.8	1080.3	1146.6	1212.0	1190.2	1168.4	1032.4	792.4	468.4	143.5
65°	1091.2	1130.6	1173.4	1217.1	1259.9	1238.9	1217.9	1102.9	869.6	526.3	182.1
67.5°	1233.0	1244.8	1266.6	1293.5	1319.5	1306.9	1293.5	1189.4	936.7	559.9	182.1
70°	1477.3	1451.3	1418.5	1417.7	1416.0	1395.9	1374.9	1238.1	940.9	546.4	151.9
72.5°	1708.1	1797.1	1693.0	1617.4	1541.9	1452.9	1363.1	1172.6	831.0	475.9	120.9
75°	1659.4	2005.2	1954.9	1750.1	1545.3	1384.1	1222.9	1021.5	684.1	393.7	103.2
77.5°	1317.0	1769.4	1817.2	1629.2	1440.3	1222.1	1003.0	789.8	474.2	280.3	86.5
80°	836.0	1322.8	1331.2	1156.6	981.2	747.0	512.8	344.1	228.3	148.6	68.8
82.5°	503.6	783.1	681.6	488.5	295.5	204.8	113.3	109.1	83.9	62.1	40.3
85°	283.7	383.6	275.3	180.5	85.6	61.3	36.1	38.6	36.9	30.2	22.7
87.5°	56.2	66.3	45.3	26.0	6.7	6.7	5.9	5.9	4.2	4.2	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°	653.9	653.9	653.9	653.9	653.9	653.9	653.9	653.9	653.9	653.9	653.9
2.5°	645.5	645.5	643.8	642.1	641.3	640.4	615.3	590.1	573.3	555.7	551.5
5°	599.3	568.2	544.7	521.2	516.2	511.2	510.3	509.5	507.0	503.6	502.8
7.5°	473.4	445.7	465.0	483.5	480.1	475.9	473.4	470.0	464.2	458.3	428.9
10°	364.3	355.0	355.0	354.2	347.5	340.8	355.9	371.0	387.8	404.6	402.9
12.5°	310.6	323.2	290.4	256.8	275.3	292.9	309.7	325.7	334.1	342.5	316.4
15°	292.9	254.3	243.4	232.5	240.9	249.3	224.9	199.8	219.1	238.4	242.6
17.5°	262.7	242.6	231.7	219.9	188.0	155.3	166.2	177.1	176.3	175.4	171.2
20°	245.1	219.9	200.6	180.5	165.4	150.2	134.3	117.5	110.0	101.6	121.7
22.5°	233.3	219.9	179.6	139.3	127.6	115.8	103.2	89.8	94.8	99.0	102.4
25°	204.0	163.7	141.0	118.3	99.9	80.6	81.4	82.3	78.1	73.9	93.2
27.5°	206.5	156.1	120.9	85.6	78.9	71.3	67.1	62.1	68.8	74.7	76.4
30°	216.6	135.1	102.4	69.7	62.1	54.6	57.1	58.8	58.8	58.8	67.1
32.5°	192.2	117.5	87.3	56.2	52.0	47.0	47.8	47.8	52.0	56.2	60.4
35°	162.8	92.3	71.3	49.5	45.3	41.1	42.8	44.5	48.7	52.9	58.8
37.5°	140.2	73.0	58.8	44.5	42.0	39.4	40.3	41.1	45.3	48.7	53.7
40°	118.3	61.3	52.0	42.8	40.3	37.8	38.6	38.6	42.0	45.3	48.7
42.5°	102.4	56.2	49.5	42.0	39.4	36.1	36.9	36.9	39.4	42.0	44.5
45°	88.1	53.7	47.8	41.1	38.6	35.3	35.3	34.4	36.9	38.6	40.3
47.5°	78.9	52.9	47.0	41.1	37.8	33.6	32.7	31.9	34.4	36.1	38.6
50°	73.9	52.9	47.0	40.3	36.1	31.9	31.1	30.2	33.6	36.1	40.3
52.5°	72.2	53.7	47.0	40.3	35.3	30.2	30.2	30.2	36.1	42.0	43.6
55°	72.2	55.4	47.8	39.4	34.4	29.4	31.1	32.7	34.4	36.1	36.1
57.5°	73.9	54.6	46.2	37.8	34.4	30.2	29.4	28.5	29.4	30.2	30.2
60°	81.4	52.9	44.5	36.1	31.9	27.7	26.9	26.0	27.7	28.5	28.5
62.5°	98.2	52.0	44.5	36.1	31.1	26.0	26.0	25.2	26.0	26.9	27.7
65°	120.0	57.9	47.0	36.1	31.1	26.0	24.3	22.7	24.3	25.2	25.2
67.5°	125.1	68.0	54.6	40.3	32.7	25.2	23.5	21.8	23.5	24.3	24.3
70°	113.3	74.7	58.8	42.8	34.4	25.2	23.5	21.0	21.8	22.7	21.8
72.5°	97.4	73.0	57.9	42.0	33.6	24.3	22.7	20.1	21.0	21.0	20.1
75°	83.1	63.0	49.5	35.3	28.5	21.0	19.3	17.6	18.5	18.5	18.5
77.5°	69.7	52.0	40.3	27.7	22.7	16.8	15.9	15.1	15.9	16.8	15.9
80°	54.6	39.4	30.2	20.1	16.8	12.6	13.4	13.4	14.3	14.3	14.3
82.5°	31.9	23.5	19.3	14.3	11.8	9.2	10.1	10.9	11.8	11.8	11.8
85°	19.3	15.1	12.6	10.1	8.4	5.9	7.6	8.4	8.4	8.4	7.6
87.5°	3.4	3.4	3.4	3.4	2.5	1.7	3.4	4.2	4.2	4.2	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):

	165°	170°	175°	180°
0°	653.9	653.9	653.9	653.9
2.5°	546.4	546.4	545.6	545.6
5°	501.9	500.3	498.6	500.3
7.5°	399.5	387.8	376.0	379.4
10°	400.4	399.5	398.7	397.9
12.5°	289.6	280.3	271.1	265.2
15°	245.9	243.4	240.1	240.1
17.5°	166.2	158.6	151.1	146.0
20°	141.9	146.0	149.4	151.1
22.5°	105.8	109.1	112.5	114.2
25°	111.6	120.0	127.6	128.4
27.5°	77.2	81.4	84.8	83.1
30°	75.5	78.1	80.6	80.6
32.5°	64.6	71.3	78.1	78.9
35°	64.6	68.0	71.3	72.2
37.5°	57.9	60.4	62.1	63.0
40°	52.0	53.7	54.6	54.6
42.5°	46.2	50.4	53.7	53.7
45°	41.1	52.0	63.0	66.3
47.5°	40.3	56.2	72.2	75.5
50°	43.6	58.8	73.0	74.7
52.5°	44.5	52.9	60.4	60.4
55°	35.3	39.4	42.8	42.0
57.5°	30.2	33.6	36.1	36.1
60°	28.5	32.7	36.1	36.9
62.5°	27.7	29.4	31.1	32.7
65°	25.2	25.2	25.2	25.2
67.5°	23.5	23.5	22.7	22.7
70°	21.0	21.0	21.0	21.0
72.5°	19.3	19.3	19.3	18.5
75°	17.6	17.6	16.8	16.8
77.5°	15.1	15.1	15.1	15.1
80°	13.4	13.4	12.6	12.6
82.5°	10.9	10.9	10.1	9.2
85°	6.7	6.7	5.9	5.0
87.5°	2.5	2.5	1.7	0.8
90°	0.0	0.0	0.0	0.0

(END OF REPORT)