

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: P560115

Luminaire Tested: **SDL-PA1-20-830-U-SL3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560115
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-PA1-20-830-U-SL3
Description: Springdale
(1) 80 CRI, 3000K, 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: 2178.1 lumens
Efficiency: N/A
Efficacy: 103.7 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



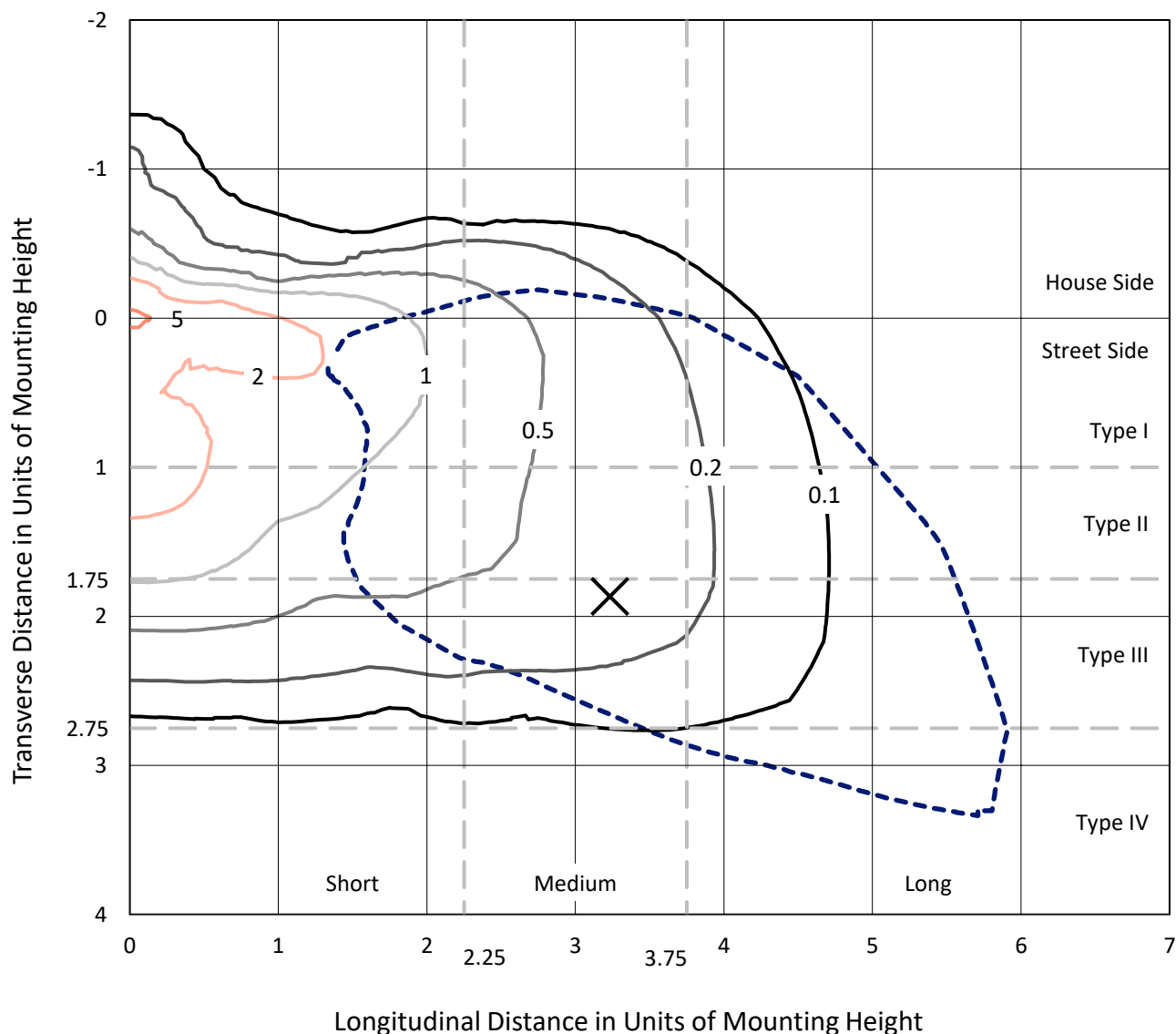
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

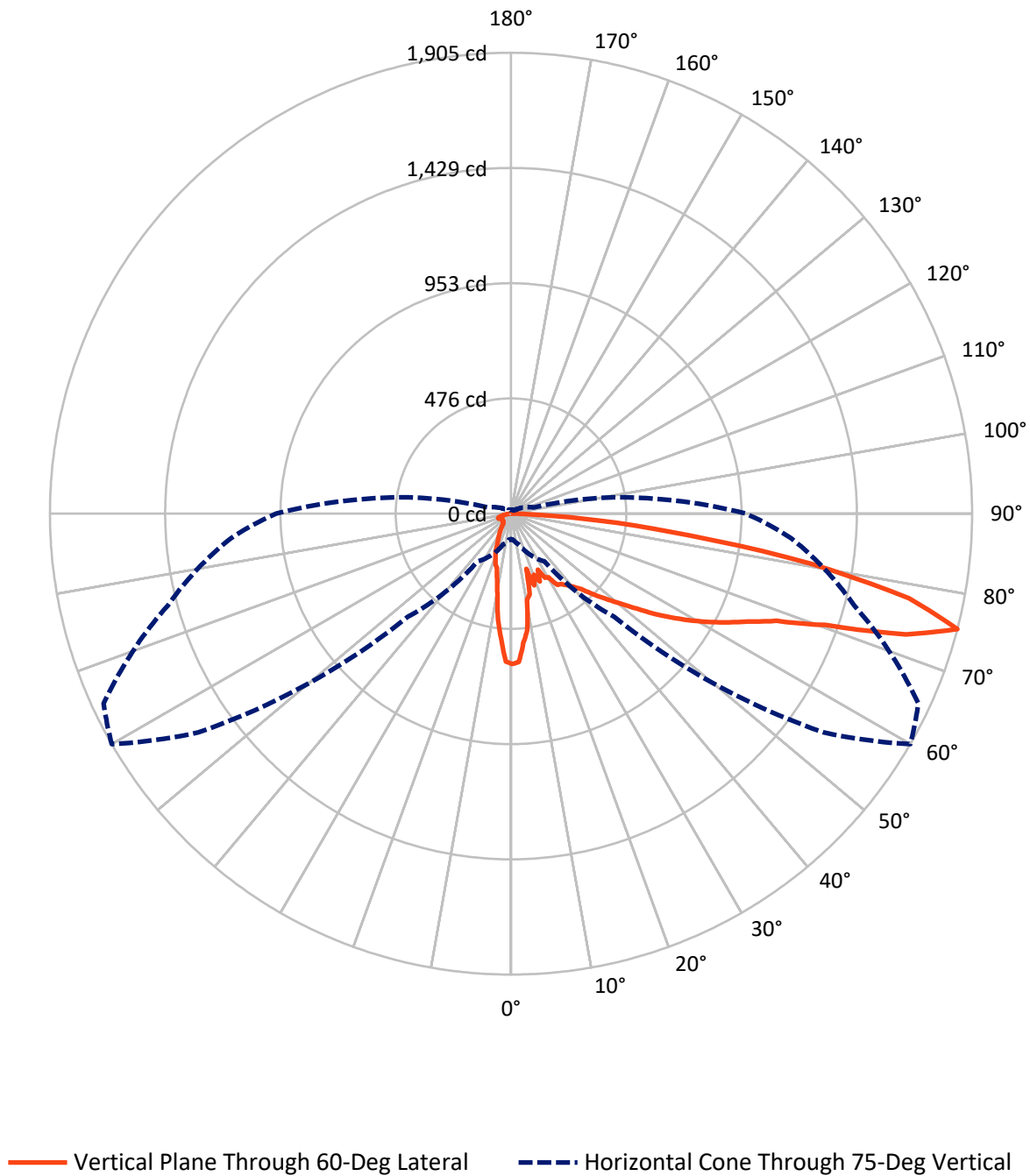


Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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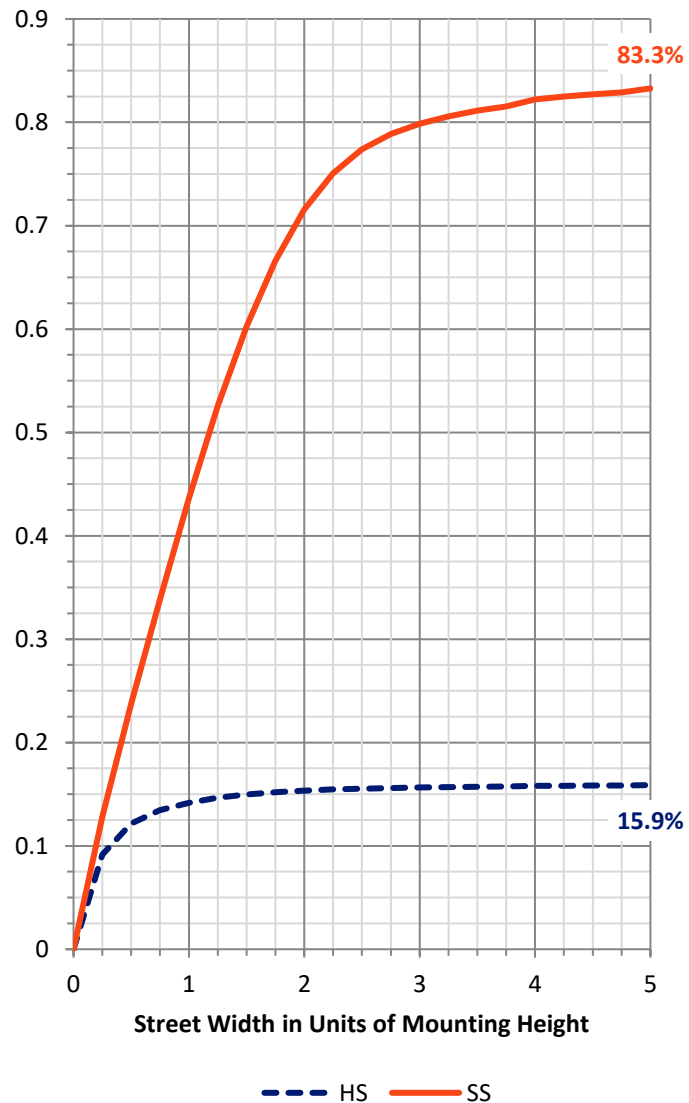
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	350.1	0.0	350.1
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	1828.0	0.0	1828.0
	% Fixture	83.9	0.0	83.9
Total	Lumens	2178.1	0.0	2178.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.3	2.1
10°-20°	81.8	3.8
20°-30°	107.1	4.9
30°-40°	176.8	8.1
40°-50°	276.0	12.7
50°-60°	420.2	19.3
60°-70°	520.7	23.9
70°-80°	460.0	21.1
80°-90°	90.2	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°	2178.1	100.0
0°-180°	2178.1	100.0

Coefficient of Utilization



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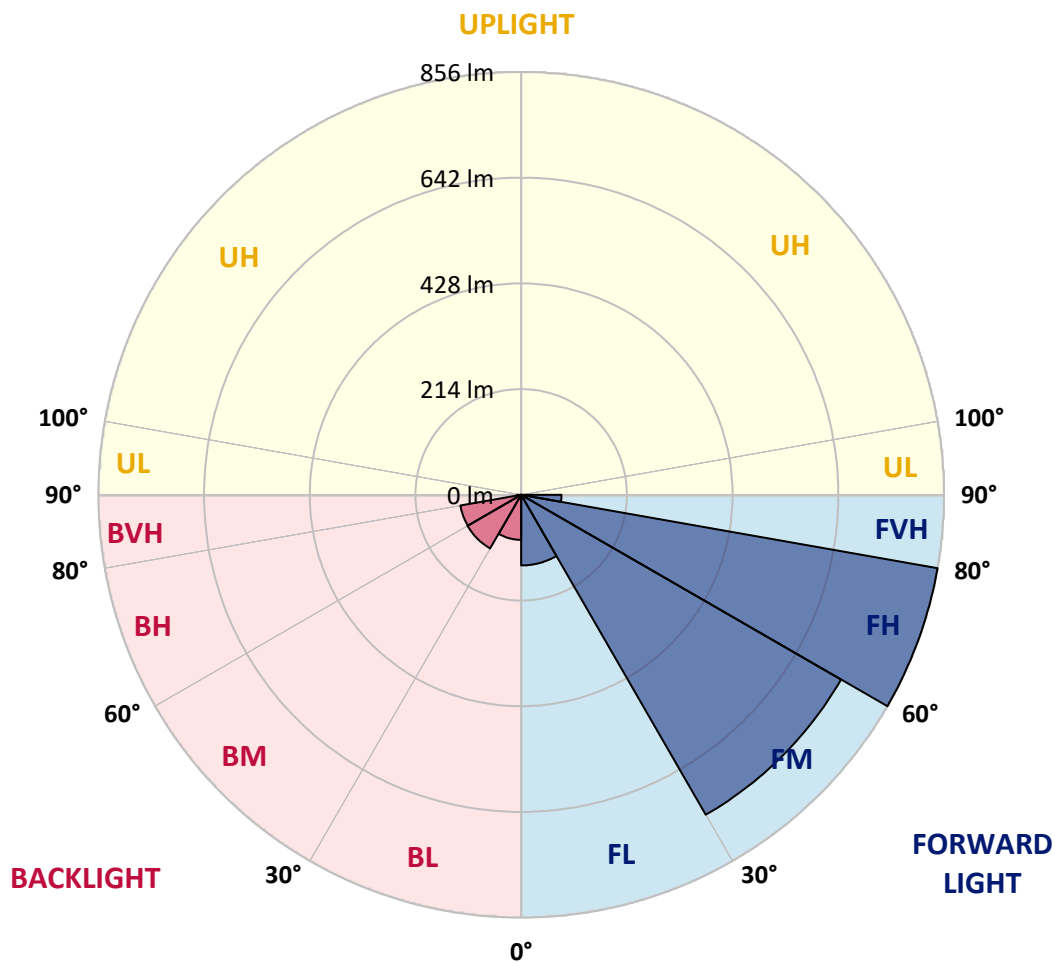
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	143.0	6.6			
FM	(30°-60°)	747.6	34.3			
FH	(60°-80°)	855.8	39.3			G1/1800
FVH	(80°-90°)	81.6	3.7			G1/100
BL	(0°-30°)	91.2	4.2	B0/110		
BM	(30°-60°)	125.4	5.8	B0/220		
BH	(60°-80°)	124.8	5.7	B1/500		G1/500
BVH	(80°-90°)	8.6	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°	621.3	621.3	621.3	621.3	621.3	621.3	621.3	621.3	621.3	621.3	621.3
2.5°	516.0	574.2	560.7	547.1	567.9	587.8	594.2	599.8	602.9	606.1	609.3
5°	479.3	480.1	480.9	481.7	484.1	485.7	488.9	492.1	495.3	497.7	500.9
7.5°	370.1	382.8	403.6	424.3	437.1	449.0	456.2	462.6	467.4	472.1	476.9
10°	411.5	413.9	414.7	414.7	418.7	422.7	392.4	361.3	376.4	391.6	374.8
12.5°	323.0	331.8	358.1	383.6	391.6	398.8	384.4	370.1	347.7	324.6	323.0
15°	370.9	373.2	374.0	374.0	349.3	324.6	307.9	290.3	303.9	316.6	287.1
17.5°	287.1	289.5	310.2	331.0	335.0	339.0	321.4	303.9	264.8	224.9	262.4
20°	341.3	342.9	342.9	342.9	301.5	260.0	263.2	265.6	278.3	291.1	280.7
22.5°	275.2	275.2	275.2	275.2	287.9	299.9	274.4	248.8	263.2	277.5	264.8
25°	346.1	348.5	342.9	336.6	298.3	260.0	272.0	283.9	262.4	240.9	260.0
27.5°	315.8	313.4	302.3	290.3	295.9	301.5	275.2	248.8	265.6	282.3	274.4
30°	419.5	412.3	400.4	388.4	342.9	297.5	290.3	283.1	268.8	253.6	270.4
32.5°	557.5	539.1	483.3	427.5	399.6	371.7	335.8	299.9	296.7	292.7	297.5
35°	594.2	582.2	559.1	535.2	487.3	438.6	393.2	346.9	331.8	315.8	319.0
37.5°	601.3	597.4	592.6	587.0	538.3	489.7	440.2	390.8	374.8	358.1	346.1
40°	606.9	610.1	618.9	626.9	578.2	528.8	484.1	438.6	421.9	404.4	383.6
42.5°	632.5	641.2	652.4	662.8	618.1	573.4	534.4	495.3	473.7	452.2	433.1
45°	691.5	696.3	708.2	719.4	677.1	634.0	589.4	543.9	525.6	507.2	488.1
47.5°	777.6	785.6	784.8	784.0	736.9	689.1	638.8	587.8	575.8	563.1	544.7
50°	886.1	880.5	865.3	850.2	799.1	747.3	688.3	628.5	622.9	616.5	601.3
52.5°	940.3	936.3	915.6	894.0	842.2	790.4	726.6	662.0	669.1	676.3	662.0
55°	943.5	941.1	925.9	910.8	860.5	810.3	753.7	697.1	714.6	732.1	726.6
57.5°	920.4	921.2	916.4	910.8	866.1	821.5	774.4	727.4	757.7	787.2	792.8
60°	861.3	873.3	881.3	889.3	861.3	833.4	792.8	752.1	798.3	844.6	859.8
62.5°	752.1	762.5	791.2	819.1	824.7	829.4	802.3	774.4	836.6	898.0	922.8
65°	583.0	597.4	640.4	683.5	728.2	772.8	779.2	785.6	890.9	996.1	1016.9
67.5°	363.7	371.7	417.1	461.8	551.9	641.2	692.3	743.3	925.1	1106.2	1138.9
70°	192.2	204.2	226.5	248.0	325.4	402.8	506.4	610.1	873.3	1136.5	1270.5
72.5°	146.0	150.7	162.7	174.7	201.8	228.9	294.3	359.7	683.5	1006.5	1315.1
75°	105.3	109.3	122.0	134.0	161.1	187.4	214.5	240.9	421.9	602.9	1090.2
77.5°	61.4	63.0	69.4	75.0	117.2	159.5	189.0	217.7	261.6	304.7	778.4
80°	42.3	43.1	45.5	47.9	66.2	84.5	141.2	197.8	217.7	236.9	516.0
82.5°	27.9	31.9	33.5	35.1	41.5	47.9	82.9	117.2	172.3	226.5	352.5
85°	14.4	16.0	19.1	21.5	24.7	27.1	37.5	47.1	142.8	237.7	253.6
87.5°	1.6	2.4	3.2	3.2	4.0	4.8	7.2	9.6	43.1	76.6	65.4
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°	621.3	621.3	621.3	621.3	621.3	621.3	621.3	621.3	621.3	621.3	621.3
2.5°	612.5	614.1	613.3	614.9	615.7	616.5	617.3	617.3	616.5	614.9	613.3
5°	504.0	535.9	590.2	595.8	601.3	602.9	604.5	605.3	603.7	601.3	599.0
7.5°	480.9	485.7	437.1	476.1	514.4	517.6	520.0	518.4	519.2	497.7	475.3
10°	358.1	362.1	363.7	375.6	386.8	413.1	439.4	435.5	432.3	394.0	354.9
12.5°	321.4	342.1	346.9	327.0	307.1	334.2	361.3	358.1	352.5	317.4	282.3
15°	257.6	236.1	282.3	325.4	367.7	393.2	417.9	410.7	404.4	359.7	314.2
17.5°	299.1	311.8	296.7	303.1	309.4	328.6	346.9	335.8	331.8	300.7	268.8
20°	270.4	269.6	259.2	296.7	334.2	371.7	408.3	397.2	378.0	317.4	256.0
22.5°	252.0	303.9	326.2	321.4	315.8	301.5	286.3	276.7	262.4	248.8	234.5
25°	278.3	256.8	274.4	331.8	388.4	398.8	409.1	385.2	354.1	292.7	231.3
27.5°	266.4	299.9	322.2	360.5	398.0	433.9	469.8	437.9	397.2	320.6	243.3
30°	287.1	305.5	367.7	439.4	511.2	524.0	535.9	492.1	437.9	360.5	283.1
32.5°	302.3	350.9	405.9	461.8	516.8	526.4	535.9	486.5	424.3	339.0	253.6
35°	321.4	357.3	407.5	472.9	538.3	540.7	542.3	484.9	414.7	318.2	220.9
37.5°	334.2	374.8	429.1	498.5	567.9	563.1	557.5	492.1	411.5	303.9	196.2
40°	362.9	398.0	456.2	527.2	598.2	590.2	582.2	507.2	412.3	289.5	165.9
42.5°	413.1	426.7	489.7	565.5	641.2	632.5	622.9	533.6	421.9	281.5	140.4
45°	468.2	474.5	528.8	614.9	701.0	689.9	678.7	574.2	439.4	277.5	115.6
47.5°	525.6	524.0	574.2	678.7	782.4	758.5	734.5	622.1	472.1	285.5	98.9
50°	585.4	583.0	631.7	744.1	856.6	831.0	805.5	679.5	509.6	299.9	89.3
52.5°	646.8	652.4	688.3	805.5	922.0	898.8	874.9	741.7	546.3	315.8	85.3
55°	720.2	737.7	752.1	869.3	986.6	963.4	939.5	805.5	597.4	340.6	83.7
57.5°	797.5	820.7	827.1	933.9	1040.8	1025.6	1009.7	866.1	649.2	369.3	88.5
60°	874.9	905.2	928.3	1014.5	1099.8	1082.3	1064.7	927.5	697.8	401.2	104.5
62.5°	946.7	989.0	1026.4	1089.4	1151.7	1130.9	1110.2	981.0	752.9	445.0	136.4
65°	1036.8	1074.3	1115.0	1156.4	1197.1	1177.2	1157.2	1048.0	826.3	500.1	173.1
67.5°	1171.6	1182.8	1203.5	1229.0	1253.7	1241.8	1229.0	1130.1	890.1	532.0	173.1
70°	1403.7	1379.0	1347.8	1347.0	1345.5	1326.3	1306.4	1176.4	894.0	519.2	144.4
72.5°	1623.0	1707.5	1608.6	1536.9	1465.1	1380.5	1295.2	1114.2	789.6	452.2	114.8
75°	1576.7	1905.3	1857.5	1662.9	1468.3	1315.1	1162.0	970.6	650.0	374.0	98.1
77.5°	1251.3	1681.2	1726.7	1548.0	1368.6	1161.2	953.1	750.5	450.6	266.4	82.1
80°	794.4	1256.9	1264.9	1099.0	932.3	709.8	487.3	327.0	216.9	141.2	65.4
82.5°	478.5	744.1	647.6	464.2	280.7	194.6	107.7	103.7	79.8	59.0	38.3
85°	269.6	364.5	261.6	171.5	81.3	58.2	34.3	36.7	35.1	28.7	21.5
87.5°	53.4	63.0	43.1	24.7	6.4	6.4	5.6	5.6	4.0	4.0	3.2
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°	621.3	621.3	621.3	621.3	621.3	621.3	621.3	621.3	621.3	621.3	621.3
2.5°	613.3	613.3	611.7	610.1	609.3	608.5	584.6	560.7	544.7	528.0	524.0
5°	569.4	539.9	517.6	495.3	490.5	485.7	484.9	484.1	481.7	478.5	477.7
7.5°	449.8	423.5	441.8	459.4	456.2	452.2	449.8	446.6	441.0	435.5	407.5
10°	346.1	337.4	337.4	336.6	330.2	323.8	338.2	352.5	368.5	384.4	382.8
12.5°	295.1	307.1	275.9	244.0	261.6	278.3	294.3	309.4	317.4	325.4	300.7
15°	278.3	241.7	231.3	220.9	228.9	236.9	213.7	189.8	208.2	226.5	230.5
17.5°	249.6	230.5	220.1	209.0	178.6	147.5	157.9	168.3	167.5	166.7	162.7
20°	232.9	209.0	190.6	171.5	157.1	142.8	127.6	111.7	104.5	96.5	115.6
22.5°	221.7	209.0	170.7	132.4	121.2	110.1	98.1	85.3	90.1	94.1	97.3
25°	193.8	155.5	134.0	112.5	94.9	76.6	77.4	78.2	74.2	70.2	88.5
27.5°	196.2	148.3	114.8	81.3	75.0	67.8	63.8	59.0	65.4	71.0	72.6
30°	205.8	128.4	97.3	66.2	59.0	51.8	54.2	55.8	55.8	55.8	63.8
32.5°	182.6	111.7	82.9	53.4	49.4	44.7	45.5	45.5	49.4	53.4	57.4
35°	154.7	87.7	67.8	47.1	43.1	39.1	40.7	42.3	46.3	50.2	55.8
37.5°	133.2	69.4	55.8	42.3	39.9	37.5	38.3	39.1	43.1	46.3	51.0
40°	112.5	58.2	49.4	40.7	38.3	35.9	36.7	36.7	39.9	43.1	46.3
42.5°	97.3	53.4	47.1	39.9	37.5	34.3	35.1	35.1	37.5	39.9	42.3
45°	83.7	51.0	45.5	39.1	36.7	33.5	33.5	32.7	35.1	36.7	38.3
47.5°	75.0	50.2	44.7	39.1	35.9	31.9	31.1	30.3	32.7	34.3	36.7
50°	70.2	50.2	44.7	38.3	34.3	30.3	29.5	28.7	31.9	34.3	38.3
52.5°	68.6	51.0	44.7	38.3	33.5	28.7	28.7	28.7	34.3	39.9	41.5
55°	68.6	52.6	45.5	37.5	32.7	27.9	29.5	31.1	32.7	34.3	34.3
57.5°	70.2	51.8	43.9	35.9	32.7	28.7	27.9	27.1	27.9	28.7	28.7
60°	77.4	50.2	42.3	34.3	30.3	26.3	25.5	24.7	26.3	27.1	27.1
62.5°	93.3	49.4	42.3	34.3	29.5	24.7	24.7	23.9	24.7	25.5	26.3
65°	114.0	55.0	44.7	34.3	29.5	24.7	23.1	21.5	23.1	23.9	23.9
67.5°	118.8	64.6	51.8	38.3	31.1	23.9	22.3	20.7	22.3	23.1	23.1
70°	107.7	71.0	55.8	40.7	32.7	23.9	22.3	19.9	20.7	21.5	20.7
72.5°	92.5	69.4	55.0	39.9	31.9	23.1	21.5	19.1	19.9	19.9	19.1
75°	79.0	59.8	47.1	33.5	27.1	19.9	18.3	16.7	17.5	17.5	17.5
77.5°	66.2	49.4	38.3	26.3	21.5	16.0	15.2	14.4	15.2	16.0	15.2
80°	51.8	37.5	28.7	19.1	16.0	12.0	12.8	12.8	13.6	13.6	13.6
82.5°	30.3	22.3	18.3	13.6	11.2	8.8	9.6	10.4	11.2	11.2	11.2
85°	18.3	14.4	12.0	9.6	8.0	5.6	7.2	8.0	8.0	8.0	7.2
87.5°	3.2	3.2	3.2	3.2	2.4	1.6	3.2	4.0	4.0	4.0	3.2
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°	621.3	621.3	621.3	621.3
2.5°	519.2	519.2	518.4	518.4
5°	476.9	475.3	473.7	475.3
7.5°	379.6	368.5	357.3	360.5
10°	380.4	379.6	378.8	378.0
12.5°	275.2	266.4	257.6	252.0
15°	233.7	231.3	228.1	228.1
17.5°	157.9	150.7	143.6	138.8
20°	134.8	138.8	142.0	143.6
22.5°	100.5	103.7	106.9	108.5
25°	106.1	114.0	121.2	122.0
27.5°	73.4	77.4	80.6	79.0
30°	71.8	74.2	76.6	76.6
32.5°	61.4	67.8	74.2	75.0
35°	61.4	64.6	67.8	68.6
37.5°	55.0	57.4	59.0	59.8
40°	49.4	51.0	51.8	51.8
42.5°	43.9	47.9	51.0	51.0
45°	39.1	49.4	59.8	63.0
47.5°	38.3	53.4	68.6	71.8
50°	41.5	55.8	69.4	71.0
52.5°	42.3	50.2	57.4	57.4
55°	33.5	37.5	40.7	39.9
57.5°	28.7	31.9	34.3	34.3
60°	27.1	31.1	34.3	35.1
62.5°	26.3	27.9	29.5	31.1
65°	23.9	23.9	23.9	23.9
67.5°	22.3	22.3	21.5	21.5
70°	19.9	19.9	19.9	19.9
72.5°	18.3	18.3	18.3	17.5
75°	16.7	16.7	16.0	16.0
77.5°	14.4	14.4	14.4	14.4
80°	12.8	12.8	12.0	12.0
82.5°	10.4	10.4	9.6	8.8
85°	6.4	6.4	5.6	4.8
87.5°	2.4	2.4	1.6	0.8
90°	0.0	0.0	0.0	0.0

(END OF REPORT)