

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: P560092

Luminaire Tested: **SDL-PA1-20-827-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560092
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-14)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-20-827-U-SL3-HSS
Description: Springdale
(1) 80 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1691.5 lumens
Efficiency: N/A
Efficacy: 80.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type IV - Medium
BUG Rating: B0 - U0 - G1

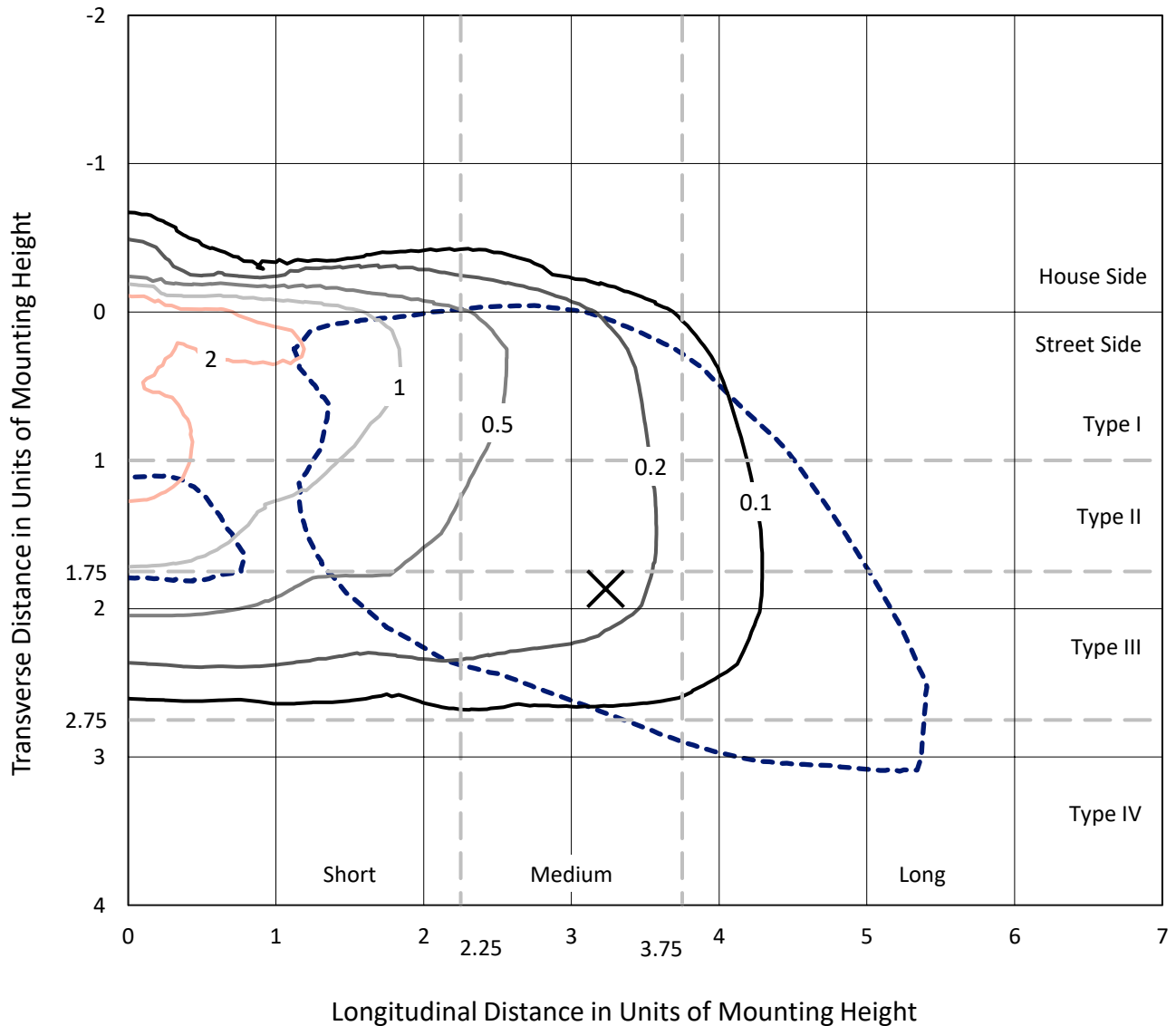
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

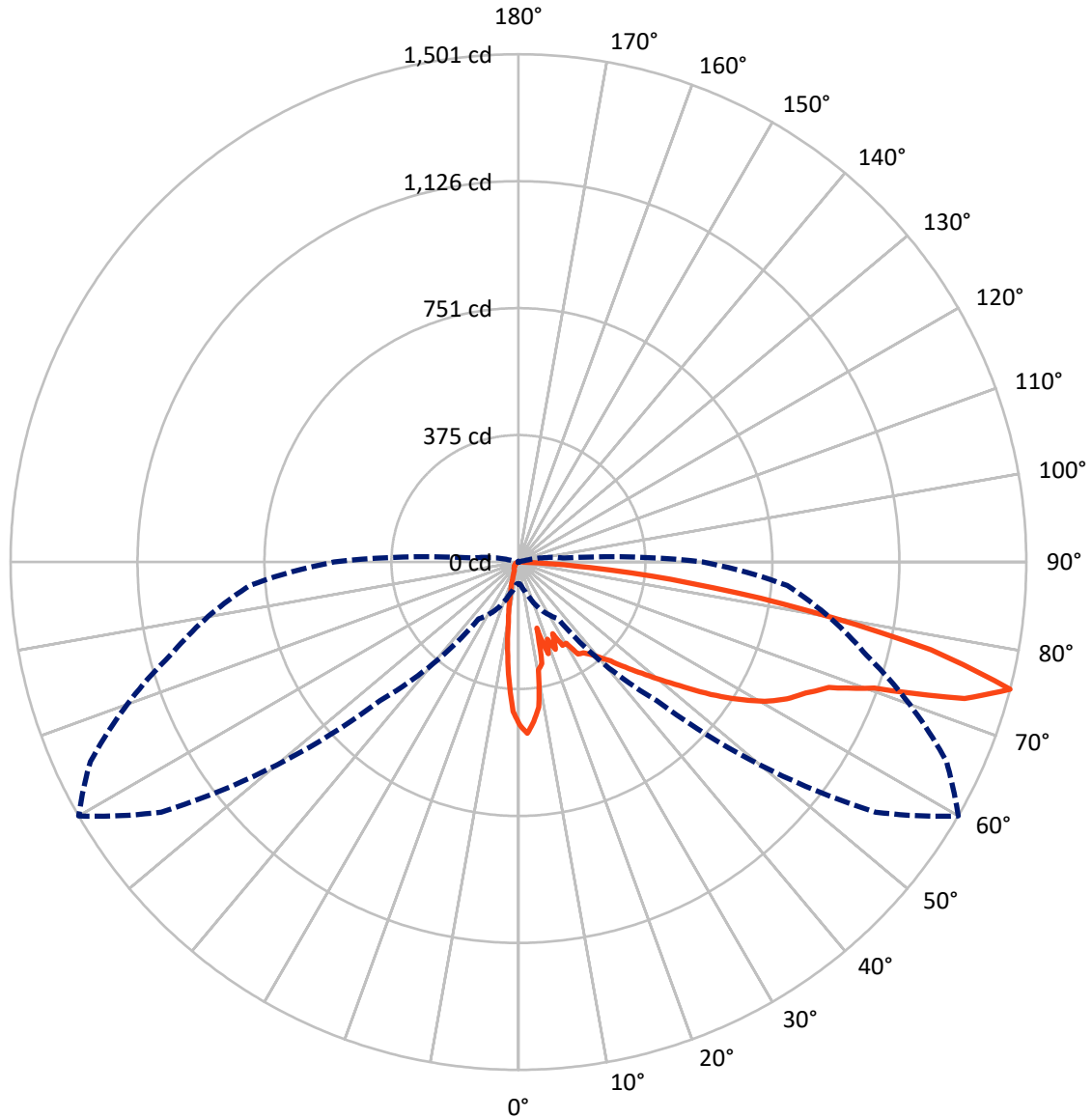
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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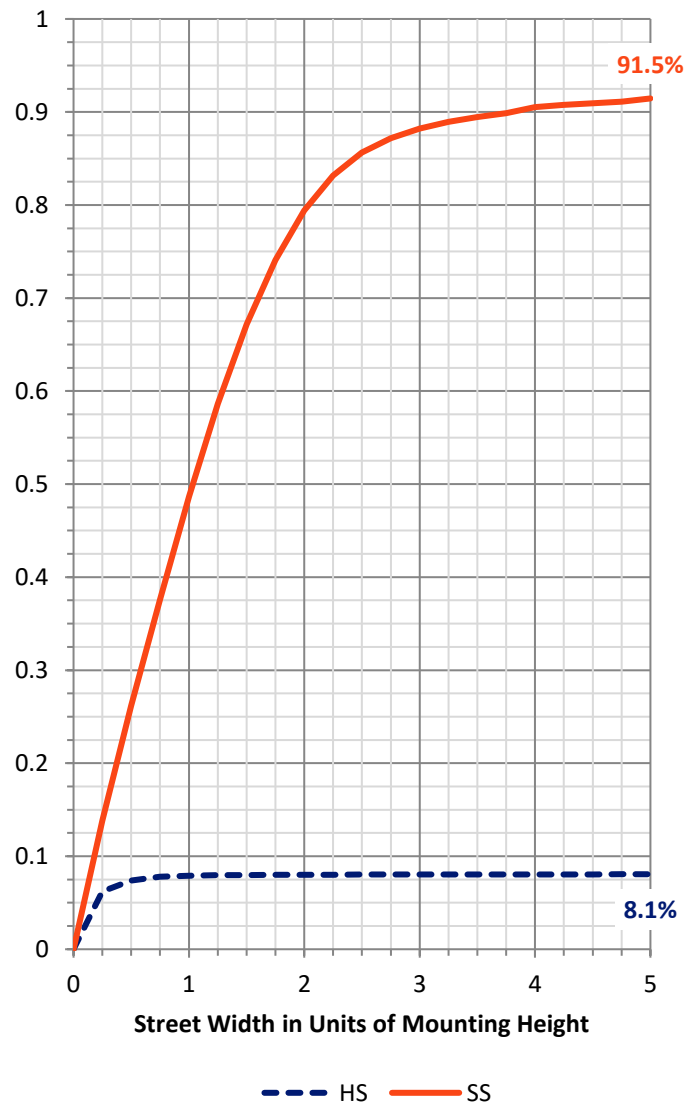
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	137.8	0.0	137.8
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	1553.7	0.0	1553.7
	% Fixture	91.9	0.0	91.9
Total	Lumens	1691.5	0.0	1691.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.3	2.0
10°-20°	55.3	3.3
20°-30°	79.3	4.7
30°-40°	141.2	8.3
40°-50°	232.4	13.7
50°-60°	358.3	21.2
60°-70°	417.6	24.7
70°-80°	323.6	19.1
80°-90°	50.5	3.0
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°	1691.5	100.0
0°-180°	1691.5	100.0



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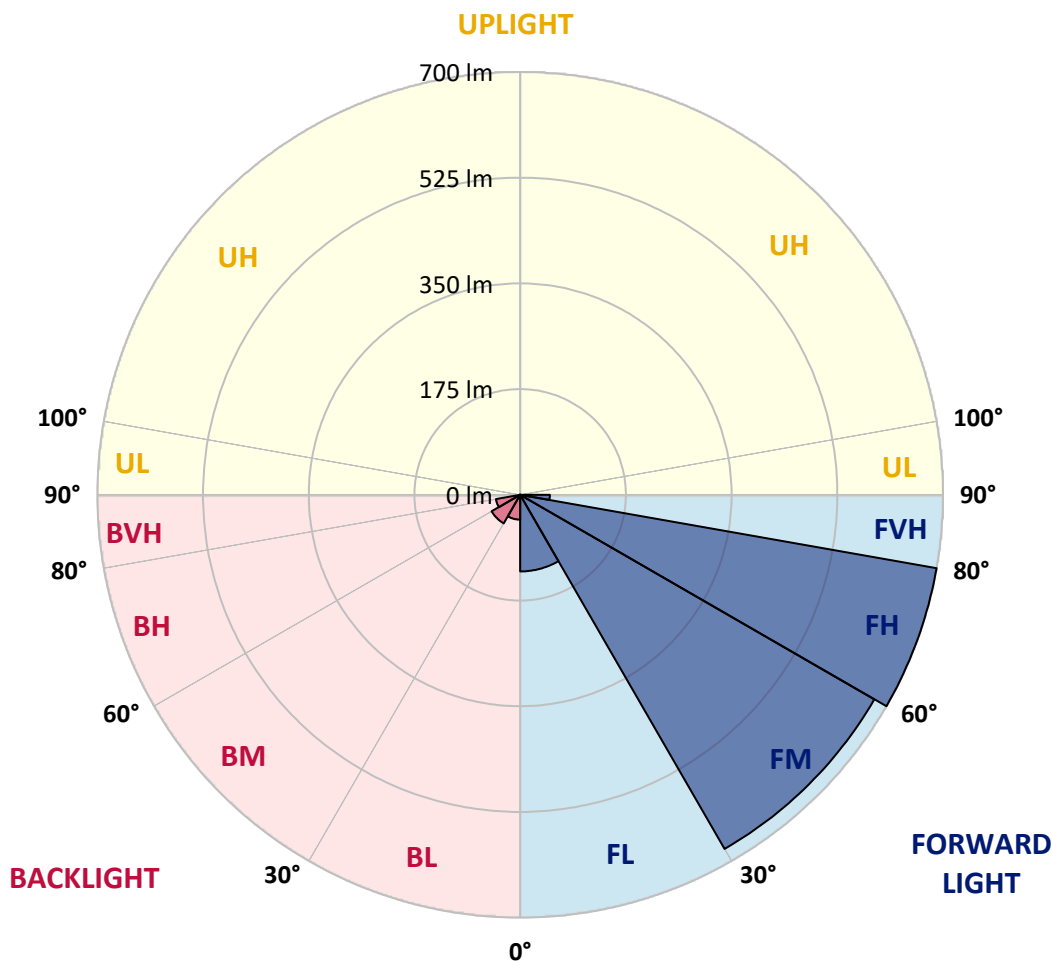
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	126.9	7.5			
FM (30°-60°)	677.3	40.0			
FH (60°-80°)	700.4	41.4			G1/1800
FVH (80°-90°)	49.1	2.9			G1/100
BL (0°-30°)	41.1	2.4	B0/110		
BM (30°-60°)	54.6	3.2	B0/220		
BH (60°-80°)	40.8	2.4	B0/110		G0/110
BVH (80°-90°)	1.4	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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	482.0	482.0	482.0	482.0	482.0	482.0	482.0	482.0	482.0	482.0	482.0
2.5°	450.4	467.3	477.6	487.2	499.6	512.1	512.9	513.6	513.6	513.6	512.9
5°	435.0	436.5	436.5	436.5	438.7	440.9	442.3	443.1	443.8	443.8	443.1
7.5°	340.2	367.4	384.3	400.5	404.9	409.3	415.1	420.3	424.7	428.4	431.3
10°	376.9	379.9	379.9	379.1	382.8	385.8	357.1	327.7	339.5	351.2	336.5
12.5°	291.0	305.7	324.0	341.7	353.4	365.2	352.0	338.7	318.2	296.8	295.4
15°	340.2	342.4	343.1	343.9	324.0	303.5	279.2	254.2	271.1	288.0	263.8
17.5°	261.6	263.8	284.4	304.9	307.1	309.3	293.9	277.7	242.5	207.2	240.3
20°	313.0	314.5	314.5	314.5	275.5	236.6	239.5	241.7	252.8	263.8	255.7
22.5°	252.0	249.1	250.6	251.3	263.0	274.1	251.3	227.8	244.7	260.8	246.9
25°	315.2	316.0	311.5	306.4	271.9	236.6	249.1	260.8	241.0	220.4	240.3
27.5°	285.1	282.2	271.9	261.6	266.7	271.9	248.4	224.1	243.2	261.6	252.8
30°	375.5	374.0	360.8	346.8	305.7	263.8	259.4	254.2	243.2	231.5	246.9
32.5°	501.1	483.5	434.2	384.3	358.6	332.1	299.8	267.5	271.1	274.1	276.3
35°	529.0	521.0	499.6	478.3	438.7	398.2	354.2	309.3	299.1	288.8	294.6
37.5°	536.4	533.4	530.5	526.8	479.8	432.8	388.7	343.9	335.8	327.0	320.4
40°	543.7	546.7	555.5	563.6	519.5	475.4	434.2	392.4	382.8	373.3	356.4
42.5°	573.1	575.3	588.6	601.8	559.2	515.8	479.8	443.8	429.8	415.9	400.5
45°	635.6	637.8	645.1	652.5	612.8	572.4	532.7	492.3	481.3	469.5	451.9
47.5°	722.3	724.5	720.8	717.1	671.6	625.3	578.3	531.2	527.6	523.9	505.5
50°	821.5	818.5	798.7	778.9	728.9	678.9	623.8	568.0	570.9	573.9	560.6
52.5°	867.0	865.6	842.8	820.0	768.6	716.4	659.1	601.0	611.3	620.9	613.5
55°	864.1	863.4	847.9	832.5	784.0	735.5	681.9	628.2	651.7	674.5	670.1
57.5°	831.8	833.2	831.0	828.8	786.2	743.6	700.2	656.9	692.2	726.7	732.6
60°	781.1	781.1	792.1	802.4	777.4	751.7	715.7	678.9	727.4	775.9	790.6
62.5°	675.3	687.0	710.5	734.0	742.1	750.2	720.8	691.4	758.3	825.1	846.5
65°	520.2	525.4	568.0	610.6	650.3	689.2	691.4	693.6	795.8	897.2	904.5
67.5°	302.0	323.3	370.3	416.6	494.5	571.7	611.3	651.0	811.9	972.1	980.2
70°	158.7	167.5	190.3	212.3	282.2	351.2	449.7	547.4	774.4	1000.8	1071.3
72.5°	108.7	116.8	129.3	141.8	168.3	194.0	264.5	334.3	616.5	898.6	1117.6
75°	63.9	66.1	81.6	97.0	125.6	154.3	180.0	205.0	392.4	579.0	933.9
77.5°	25.7	27.9	34.5	41.1	81.6	121.2	147.7	174.1	219.0	263.8	641.5
80°	14.0	14.0	16.9	19.1	36.7	53.6	99.2	144.7	166.8	188.8	415.9
82.5°	8.1	8.1	10.3	11.8	18.4	25.0	56.6	88.2	130.1	171.2	280.7
85°	2.9	2.9	3.7	4.4	8.8	12.5	20.6	27.9	80.8	133.0	161.6
87.5°	0.7	0.7	1.5	1.5	2.2	2.9	3.7	3.7	2.9	2.2	14.7
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°	482.0	482.0	482.0	482.0	482.0	482.0	482.0	482.0	482.0	482.0	482.0
2.5°	511.4	507.0	504.1	498.9	493.8	489.4	484.2	477.6	472.5	465.8	459.2
5°	442.3	473.2	504.8	501.8	498.2	487.9	477.6	465.8	454.8	441.6	428.4
7.5°	433.5	432.8	402.7	418.1	432.8	421.0	409.3	396.0	381.3	355.6	329.9
10°	321.8	324.0	323.3	327.0	330.6	340.2	349.0	329.9	311.5	271.1	230.0
12.5°	293.9	307.9	311.5	286.6	261.6	271.9	282.2	263.0	244.7	207.2	169.7
15°	238.8	202.8	254.2	288.0	321.1	326.2	330.6	305.7	276.3	224.8	172.7
17.5°	272.6	285.1	270.4	271.1	271.1	271.9	272.6	249.8	220.4	181.5	142.5
20°	247.6	243.9	245.4	269.7	293.9	310.1	325.5	291.0	253.5	193.2	132.3
22.5°	232.9	280.7	301.3	291.0	280.7	255.0	228.5	202.1	171.2	141.1	110.2
25°	259.4	234.4	250.6	290.2	329.9	329.9	329.9	284.4	233.7	169.0	104.3
27.5°	243.9	278.5	294.6	326.2	357.1	370.3	382.8	324.8	257.9	177.8	97.0
30°	262.3	278.5	335.8	399.0	462.2	451.1	439.4	365.2	280.7	186.6	92.6
32.5°	278.5	324.0	374.7	422.5	470.3	457.8	444.5	362.2	267.5	168.3	69.1
35°	300.5	329.9	376.9	435.0	493.0	473.9	454.1	363.7	257.2	154.3	51.4
37.5°	313.7	346.1	396.8	457.8	518.0	494.5	471.0	370.3	248.4	144.0	39.7
40°	338.7	371.1	421.8	485.7	549.6	522.4	494.5	382.1	243.2	138.1	33.1
42.5°	385.0	399.7	456.3	523.9	591.5	562.8	533.4	407.1	241.7	135.2	28.7
45°	433.5	443.1	493.0	568.7	643.7	614.3	584.1	437.9	246.9	137.4	27.2
47.5°	486.4	491.6	537.1	631.2	725.2	684.8	644.4	480.5	257.9	141.8	25.7
50°	547.4	547.4	591.5	692.9	794.3	752.4	710.5	530.5	271.9	148.4	25.0
52.5°	605.5	613.5	647.3	750.9	854.5	815.6	775.9	585.6	290.2	157.2	23.5
55°	665.0	690.7	703.2	809.0	914.8	870.0	825.1	626.0	301.3	161.6	22.0
57.5°	738.4	765.6	772.2	861.9	951.5	908.2	864.1	660.6	309.3	165.3	21.3
60°	805.3	836.2	849.4	915.5	980.9	936.1	891.3	690.7	316.7	168.3	19.1
62.5°	867.0	890.5	911.1	953.7	996.3	954.5	911.9	717.1	321.1	169.0	16.9
65°	911.9	933.2	962.6	986.8	1011.0	979.4	947.9	762.7	333.6	173.4	12.5
67.5°	987.5	989.7	1006.6	1026.5	1046.3	1029.4	1012.5	825.9	348.3	179.3	9.6
70°	1141.1	1116.1	1094.1	1113.9	1133.0	1109.5	1086.0	844.3	314.5	160.9	7.3
72.5°	1336.5	1378.4	1271.9	1230.7	1188.9	1102.2	1014.7	726.7	223.4	114.6	5.9
75°	1288.8	1501.1	1396.1	1230.7	1065.4	931.7	797.2	545.2	137.4	71.3	4.4
77.5°	1018.4	1246.2	1208.7	1038.2	867.0	702.4	537.9	335.1	48.5	26.5	4.4
80°	642.9	861.9	829.6	674.5	518.7	368.9	219.0	102.1	18.4	11.8	5.1
82.5°	390.2	513.6	403.4	252.8	102.1	72.0	41.9	22.0	5.9	5.1	4.4
85°	189.6	212.3	138.9	80.1	20.6	19.1	16.9	11.0	2.9	2.9	2.2
87.5°	26.5	19.1	11.8	8.1	3.7	3.7	3.7	2.2	2.2	2.2	1.5
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	482.0	482.0	482.0	482.0	482.0	482.0	482.0	482.0	482.0	482.0	482.0
2.5°	454.1	448.2	441.6	435.0	427.6	420.3	399.0	376.9	365.2	352.7	349.8
5°	404.1	379.9	349.8	318.9	305.7	292.4	285.8	278.5	274.1	268.9	264.5
7.5°	296.1	261.6	261.6	260.8	249.8	238.8	226.3	213.1	205.0	196.9	175.6
10°	211.6	192.5	179.3	166.1	160.9	155.8	139.6	122.7	124.2	124.9	120.5
12.5°	163.9	157.2	133.0	108.7	100.7	92.6	87.4	82.3	74.9	67.6	62.5
15°	140.3	108.0	89.6	71.3	63.2	54.4	47.0	38.9	36.7	33.8	37.5
17.5°	115.4	87.4	69.8	52.2	40.4	28.7	30.1	31.6	34.5	37.5	38.9
20°	99.2	66.1	50.7	35.3	31.6	27.9	29.4	30.1	29.4	27.9	32.3
22.5°	80.8	51.4	38.9	25.7	26.5	27.2	25.0	22.8	27.2	31.6	31.6
25°	69.1	33.8	30.1	26.5	24.2	22.0	25.0	27.2	25.7	24.2	27.9
27.5°	63.2	29.4	25.7	22.0	22.8	23.5	22.8	21.3	23.5	25.7	25.0
30°	60.3	27.2	25.0	22.0	21.3	19.8	20.6	20.6	19.8	19.1	21.3
32.5°	48.5	27.9	24.2	19.8	19.1	17.6	16.9	16.2	16.9	17.6	18.4
35°	38.9	25.7	22.8	19.1	17.6	16.2	15.4	14.0	14.0	14.0	14.7
37.5°	31.6	23.5	20.6	16.9	15.4	14.0	13.2	11.8	11.8	11.8	11.8
40°	27.9	22.0	19.1	15.4	14.0	11.8	11.0	9.6	9.6	8.8	8.8
42.5°	24.2	19.8	16.9	13.2	11.8	10.3	8.8	7.3	7.3	6.6	6.6
45°	22.8	18.4	15.4	12.5	10.3	8.1	7.3	5.9	5.9	5.1	5.1
47.5°	22.0	17.6	14.7	11.0	8.8	6.6	5.9	4.4	4.4	4.4	4.4
50°	20.6	16.2	13.2	9.6	8.1	5.9	5.1	3.7	3.7	3.7	3.7
52.5°	19.8	15.4	11.8	8.1	6.6	4.4	3.7	2.9	2.9	2.9	2.9
55°	19.1	16.2	11.8	7.3	5.9	3.7	2.9	2.2	2.2	2.2	2.2
57.5°	18.4	15.4	11.0	5.9	4.4	2.9	2.2	1.5	1.5	1.5	1.5
60°	16.2	13.2	8.8	4.4	3.7	2.2	1.5	0.7	1.5	1.5	1.5
62.5°	14.0	10.3	7.3	3.7	2.9	1.5	1.5	0.7	1.5	1.5	1.5
65°	10.3	8.1	5.9	2.9	2.2	0.7	0.7	0.7	1.5	1.5	1.5
67.5°	8.1	5.9	4.4	2.2	1.5	0.7	0.7	0.7	1.5	1.5	1.5
70°	5.9	4.4	2.9	1.5	1.5	0.7	0.7	0.7	1.5	1.5	1.5
72.5°	4.4	2.9	2.2	1.5	1.5	0.7	1.5	1.5	1.5	1.5	1.5
75°	3.7	2.9	2.2	1.5	1.5	0.7	1.5	1.5	2.2	2.2	2.2
77.5°	3.7	2.2	2.2	1.5	1.5	0.7	1.5	2.2	2.2	2.2	2.2
80°	3.7	2.2	2.2	1.5	1.5	0.7	1.5	2.2	2.2	2.2	2.2
82.5°	3.7	2.2	2.2	1.5	1.5	0.7	1.5	2.2	2.2	2.2	2.2
85°	2.2	2.2	2.2	2.2	1.5	0.7	2.2	2.9	2.9	2.2	2.2
87.5°	1.5	1.5	2.2	2.2	1.5	0.7	2.2	2.9	2.9	2.2	2.2
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°	482.0	482.0	482.0	482.0
2.5°	346.1	342.4	338.0	346.8
5°	260.1	257.2	254.2	259.4
7.5°	154.3	155.0	155.0	147.0
10°	115.4	108.7	101.4	101.4
12.5°	57.3	52.9	48.5	47.8
15°	41.1	41.9	42.6	42.6
17.5°	40.4	38.9	36.7	35.3
20°	36.0	37.5	38.2	38.2
22.5°	31.6	30.9	29.4	29.4
25°	31.6	32.3	33.1	33.1
27.5°	24.2	24.2	23.5	23.5
30°	23.5	23.5	23.5	23.5
32.5°	18.4	19.1	19.1	19.1
35°	15.4	15.4	15.4	15.4
37.5°	11.8	11.8	11.8	11.0
40°	8.8	8.8	8.8	8.8
42.5°	6.6	6.6	6.6	6.6
45°	5.1	5.1	5.1	5.1
47.5°	4.4	4.4	3.7	3.7
50°	2.9	2.9	2.9	2.9
52.5°	2.2	2.2	2.2	2.2
55°	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	1.5	1.5
60°	0.7	0.7	0.7	0.7
62.5°	0.7	0.7	0.7	0.7
65°	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7
72.5°	1.5	1.5	0.7	0.7
75°	1.5	1.5	0.7	0.7
77.5°	1.5	1.5	0.7	0.7
80°	1.5	1.5	0.7	0.7
82.5°	1.5	1.5	0.7	0.7
85°	1.5	1.5	1.5	0.7
87.5°	1.5	1.5	1.5	0.7
90°	0.0	0.0	0.0	0.0

(END OF REPORT)