

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: P559982

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559982
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-PA1-20-727-U-SL3-HSS
Description: Springdale
(1) 70 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: 1924.3 lumens
Efficiency: N/A
Efficacy: 91.6 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

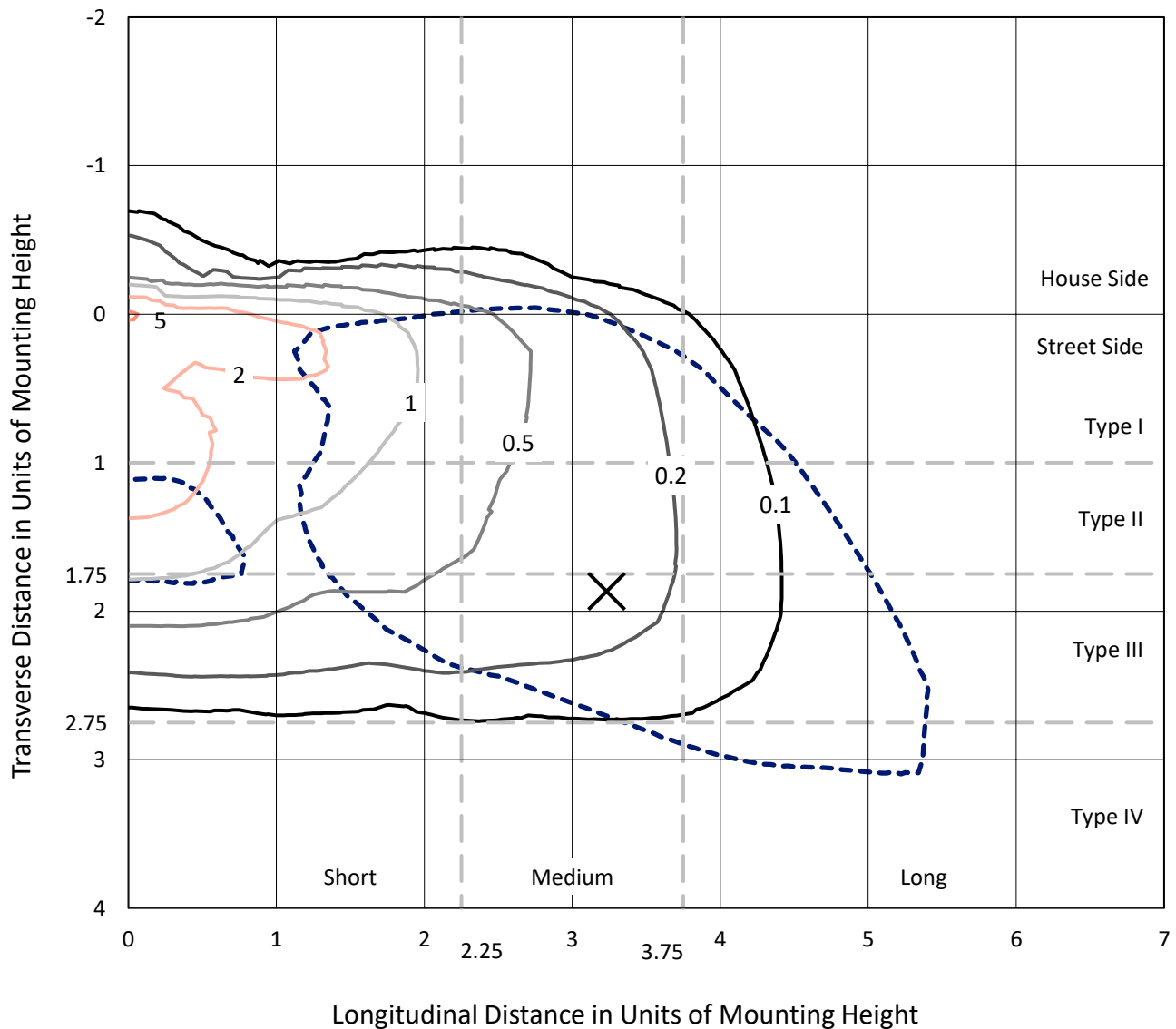


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

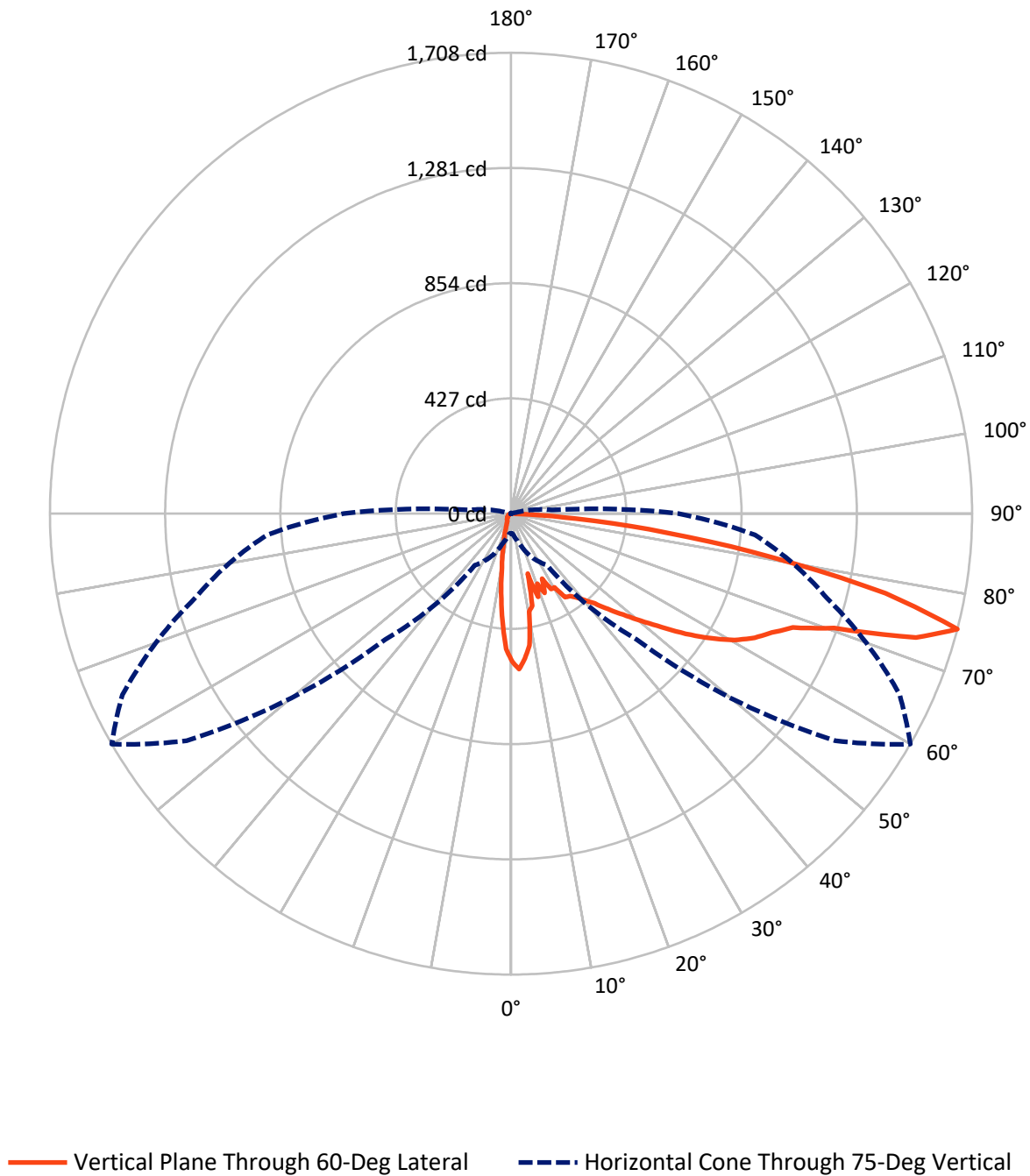


Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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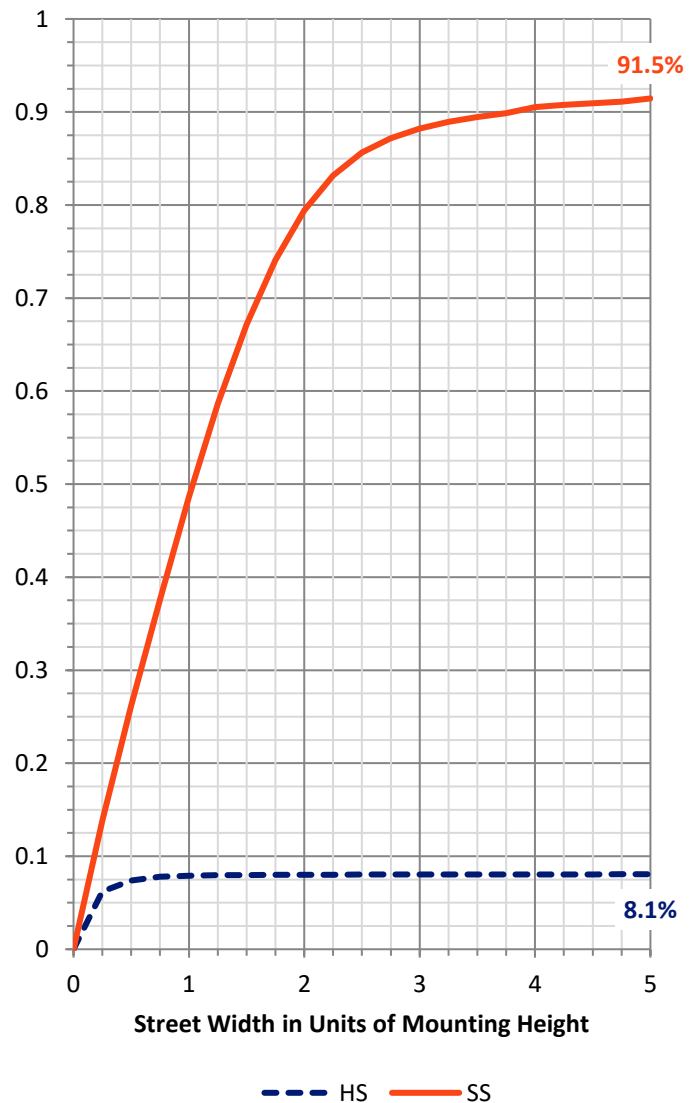
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	156.8	0.0	156.8
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	1767.6	0.0	1767.6
	% Fixture	91.9	0.0	91.9
Total	Lumens	1924.3	0.0	1924.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.9	2.0
10°-20°	63.0	3.3
20°-30°	90.2	4.7
30°-40°	160.6	8.3
40°-50°	264.4	13.7
50°-60°	407.6	21.2
60°-70°	475.1	24.7
70°-80°	368.1	19.1
80°-90°	57.5	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°	1924.3	100.0
0°-180°	1924.3	100.0

Coefficient of Utilization



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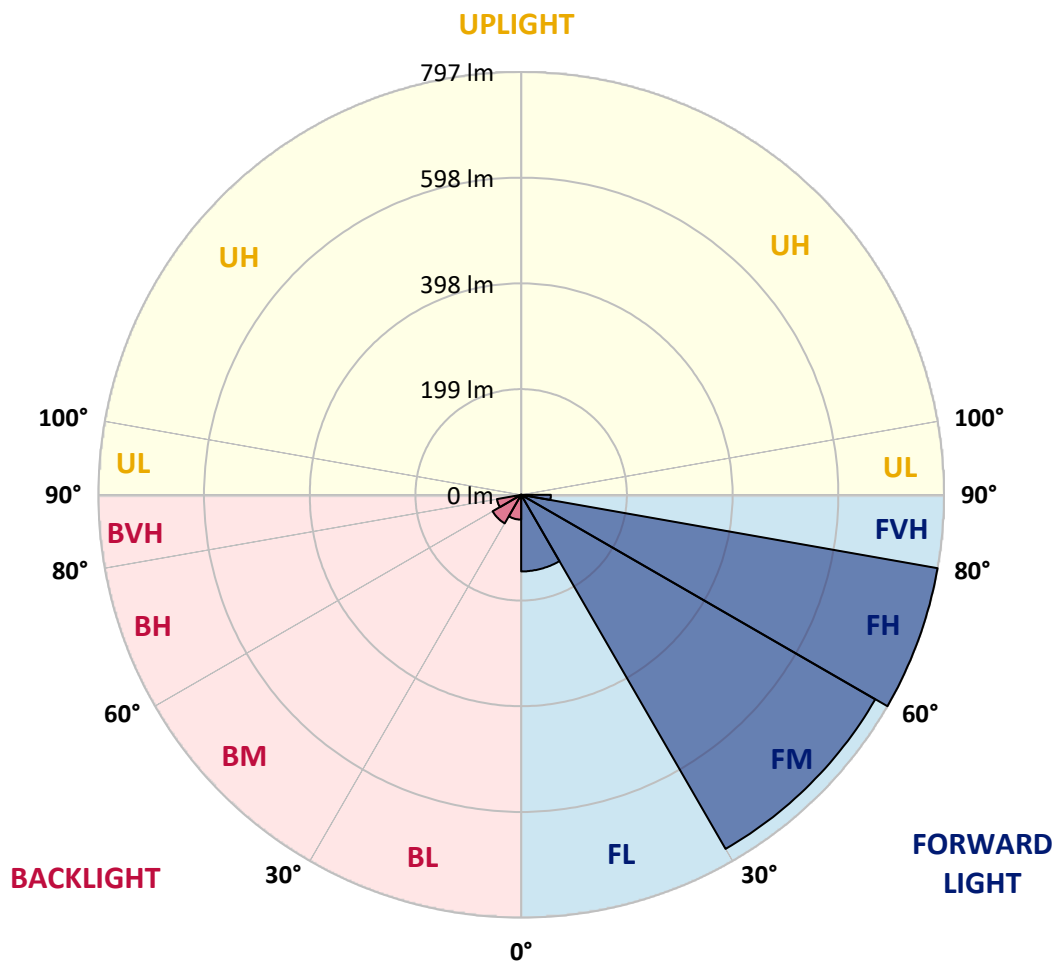
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	144.4	7.5			
FM	(30°-60°)	770.5	40.0			
FH	(60°-80°)	796.8	41.4			G1/1800
FVH	(80°-90°)	55.9	2.9			G1/100
BL	(0°-30°)	46.7	2.4	B0/110		
BM	(30°-60°)	62.1	3.2	B0/220		
BH	(60°-80°)	46.4	2.4	B0/110		G0/110
BVH	(80°-90°)	1.6	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°	548.4	548.4	548.4	548.4	548.4	548.4	548.4	548.4	548.4	548.4	548.4
2.5°	512.4	531.6	543.3	554.2	568.4	582.6	583.5	584.3	584.3	584.3	583.5
5°	494.9	496.5	496.5	496.5	499.0	501.5	503.2	504.1	504.9	504.9	504.1
7.5°	387.0	418.0	437.2	455.6	460.6	465.6	472.3	478.1	483.2	487.3	490.7
10°	428.8	432.2	432.2	431.3	435.5	438.9	406.3	372.8	386.2	399.6	382.8
12.5°	331.0	347.7	368.6	388.7	402.1	415.4	400.4	385.4	362.0	337.7	336.0
15°	387.0	389.5	390.4	391.2	368.6	345.2	317.6	289.2	308.5	327.7	300.1
17.5°	297.6	300.1	323.5	346.9	349.4	351.9	334.4	316.0	275.9	235.7	273.3
20°	356.1	357.8	357.8	357.8	313.5	269.2	272.5	275.0	287.6	300.1	290.9
22.5°	286.7	283.4	285.0	285.9	299.3	311.8	285.9	259.1	278.4	296.7	280.9
25°	358.6	359.4	354.4	348.6	309.3	269.2	283.4	296.7	274.2	250.8	273.3
27.5°	324.3	321.0	309.3	297.6	303.4	309.3	282.5	255.0	276.7	297.6	287.6
30°	427.2	425.5	410.4	394.6	347.7	300.1	295.1	289.2	276.7	263.3	280.9
32.5°	570.1	550.0	494.0	437.2	407.9	377.8	341.1	304.3	308.5	311.8	314.3
35°	601.9	592.7	568.4	544.2	499.0	453.1	402.9	351.9	340.2	328.5	335.2
37.5°	610.2	606.9	603.5	599.4	545.9	492.4	442.2	391.2	382.0	372.0	364.5
40°	618.6	621.9	632.0	641.1	591.0	540.8	494.0	446.4	435.5	424.6	405.4
42.5°	652.0	654.5	669.6	684.6	636.1	586.8	545.9	504.9	489.0	473.1	455.6
45°	723.1	725.6	733.9	742.3	697.2	651.2	606.0	560.1	547.5	534.1	514.1
47.5°	821.7	824.2	820.0	815.9	764.0	711.4	657.9	604.4	600.2	596.0	575.1
50°	934.6	931.2	908.6	886.1	829.2	772.4	709.7	646.2	649.5	652.8	637.8
52.5°	986.4	984.7	958.8	932.9	874.4	815.0	749.8	683.8	695.5	706.3	698.0
55°	983.0	982.2	964.6	947.1	891.9	836.7	775.7	714.7	741.5	767.4	762.4
57.5°	946.3	947.9	945.4	942.9	894.4	845.9	796.6	747.3	787.4	826.7	833.4
60°	888.6	888.6	901.1	912.8	884.4	855.1	814.2	772.4	827.6	882.7	899.4
62.5°	768.2	781.6	808.3	835.1	844.3	853.5	820.0	786.6	862.7	938.7	963.0
65°	591.8	597.7	646.2	694.6	739.8	784.1	786.6	789.1	905.3	1020.7	1029.0
67.5°	343.6	367.8	421.3	474.0	562.6	650.3	695.5	740.6	923.7	1105.9	1115.1
70°	180.6	190.6	216.5	241.6	321.0	399.6	511.6	622.8	881.1	1138.5	1218.8
72.5°	123.7	132.9	147.1	161.3	191.4	220.7	300.9	380.3	701.3	1022.3	1271.4
75°	72.7	75.2	92.8	110.3	142.9	175.5	204.8	233.2	446.4	658.7	1062.4
77.5°	29.3	31.8	39.3	46.8	92.8	137.9	168.0	198.1	249.1	300.1	729.8
80°	15.9	15.9	19.2	21.7	41.8	61.0	112.8	164.7	189.8	214.8	473.1
82.5°	9.2	9.2	11.7	13.4	20.9	28.4	64.4	100.3	148.0	194.8	319.3
85°	3.3	3.3	4.2	5.0	10.0	14.2	23.4	31.8	92.0	151.3	183.9
87.5°	0.8	0.8	1.7	1.7	2.5	3.3	4.2	4.2	3.3	2.5	16.7
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°	548.4	548.4	548.4	548.4	548.4	548.4	548.4	548.4	548.4	548.4	548.4
2.5°	581.8	576.8	573.4	567.6	561.7	556.7	550.9	543.3	537.5	530.0	522.4
5°	503.2	538.3	574.3	570.9	566.7	555.0	543.3	530.0	517.4	502.4	487.3
7.5°	493.2	492.4	458.1	475.6	492.4	479.0	465.6	450.6	433.8	404.6	375.3
10°	366.1	368.6	367.8	372.0	376.2	387.0	397.1	375.3	354.4	308.5	261.6
12.5°	334.4	350.2	354.4	326.0	297.6	309.3	321.0	299.3	278.4	235.7	193.1
15°	271.7	230.7	289.2	327.7	365.3	371.1	376.2	347.7	314.3	255.8	196.4
17.5°	310.1	324.3	307.6	308.5	308.5	309.3	310.1	284.2	250.8	206.5	162.2
20°	281.7	277.5	279.2	306.8	334.4	352.8	370.3	331.0	288.4	219.8	150.5
22.5°	265.0	319.3	342.7	331.0	319.3	290.1	260.0	229.9	194.8	160.5	125.4
25°	295.1	266.7	285.0	330.2	375.3	375.3	375.3	323.5	265.8	192.3	118.7
27.5°	277.5	316.8	335.2	371.1	406.3	421.3	435.5	369.5	293.4	202.3	110.3
30°	298.4	316.8	382.0	453.9	525.8	513.3	499.9	415.4	319.3	212.3	105.3
32.5°	316.8	368.6	426.3	480.7	535.0	520.8	505.7	412.1	304.3	191.4	78.6
35°	341.9	375.3	428.8	494.9	560.9	539.2	516.6	413.8	292.6	175.5	58.5
37.5°	356.9	393.7	451.4	520.8	589.3	562.6	535.8	421.3	282.5	163.8	45.1
40°	385.4	422.1	479.8	552.5	625.3	594.3	562.6	434.7	276.7	157.2	37.6
42.5°	438.0	454.7	519.1	596.0	672.9	640.3	606.9	463.1	275.0	153.8	32.6
45°	493.2	504.1	560.9	647.0	732.3	698.8	664.6	498.2	280.9	156.3	30.9
47.5°	553.4	559.2	611.1	718.0	825.0	779.1	733.1	546.7	293.4	161.3	29.3
50°	622.8	622.8	672.9	788.3	903.6	856.0	808.3	603.5	309.3	168.9	28.4
52.5°	688.8	698.0	736.4	854.3	972.2	927.9	882.7	666.2	330.2	178.9	26.7
55°	756.5	785.8	800.0	920.3	1040.7	989.7	938.7	712.2	342.7	183.9	25.1
57.5°	840.1	871.0	878.5	980.5	1082.5	1033.2	983.0	751.5	351.9	188.1	24.2
60°	916.2	951.3	966.3	1041.5	1115.9	1065.0	1014.0	785.8	360.3	191.4	21.7
62.5°	986.4	1013.1	1036.5	1085.0	1133.5	1085.9	1037.4	815.9	365.3	192.3	19.2
65°	1037.4	1061.6	1095.0	1122.6	1150.2	1114.3	1078.3	867.7	379.5	197.3	14.2
67.5°	1123.5	1126.0	1145.2	1167.8	1190.3	1171.1	1151.9	939.6	396.2	204.0	10.9
70°	1298.2	1269.8	1244.7	1267.2	1289.0	1262.2	1235.5	960.5	357.8	183.1	8.4
72.5°	1520.5	1568.2	1447.0	1400.2	1352.5	1253.9	1154.4	826.7	254.1	130.4	6.7
75°	1466.2	1707.8	1588.2	1400.2	1212.1	1059.9	907.0	620.2	156.3	81.1	5.0
77.5°	1158.6	1417.7	1375.1	1181.1	986.4	799.1	611.9	381.2	55.2	30.1	5.0
80°	731.4	980.5	943.7	767.4	590.2	419.6	249.1	116.2	20.9	13.4	5.9
82.5°	443.9	584.3	458.9	287.6	116.2	81.9	47.6	25.1	6.7	5.9	5.0
85°	215.7	241.6	158.0	91.1	23.4	21.7	19.2	12.5	3.3	3.3	2.5
87.5°	30.1	21.7	13.4	9.2	4.2	4.2	4.2	2.5	2.5	2.5	1.7
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	548.4	548.4	548.4	548.4	548.4	548.4	548.4	548.4	548.4	548.4	548.4
2.5°	516.6	509.9	502.4	494.9	486.5	478.1	453.9	428.8	415.4	401.2	397.9
5°	459.8	432.2	397.9	362.8	347.7	332.7	325.2	316.8	311.8	305.9	300.9
7.5°	336.9	297.6	297.6	296.7	284.2	271.7	257.5	242.4	233.2	224.0	199.8
10°	240.7	219.0	204.0	188.9	183.1	177.2	158.8	139.6	141.3	142.1	137.1
12.5°	186.4	178.9	151.3	123.7	114.5	105.3	99.5	93.6	85.3	76.9	71.1
15°	159.7	122.9	102.0	81.1	71.9	61.9	53.5	44.3	41.8	38.5	42.6
17.5°	131.2	99.5	79.4	59.3	46.0	32.6	34.3	35.9	39.3	42.6	44.3
20°	112.8	75.2	57.7	40.1	35.9	31.8	33.4	34.3	33.4	31.8	36.8
22.5°	92.0	58.5	44.3	29.3	30.1	30.9	28.4	25.9	30.9	35.9	35.9
25°	78.6	38.5	34.3	30.1	27.6	25.1	28.4	30.9	29.3	27.6	31.8
27.5°	71.9	33.4	29.3	25.1	25.9	26.7	25.9	24.2	26.7	29.3	28.4
30°	68.5	30.9	28.4	25.1	24.2	22.6	23.4	23.4	22.6	21.7	24.2
32.5°	55.2	31.8	27.6	22.6	21.7	20.1	19.2	18.4	19.2	20.1	20.9
35°	44.3	29.3	25.9	21.7	20.1	18.4	17.6	15.9	15.9	15.9	16.7
37.5°	35.9	26.7	23.4	19.2	17.6	15.9	15.0	13.4	13.4	13.4	13.4
40°	31.8	25.1	21.7	17.6	15.9	13.4	12.5	10.9	10.9	10.0	10.0
42.5°	27.6	22.6	19.2	15.0	13.4	11.7	10.0	8.4	8.4	7.5	7.5
45°	25.9	20.9	17.6	14.2	11.7	9.2	8.4	6.7	6.7	5.9	5.9
47.5°	25.1	20.1	16.7	12.5	10.0	7.5	6.7	5.0	5.0	5.0	5.0
50°	23.4	18.4	15.0	10.9	9.2	6.7	5.9	4.2	4.2	4.2	4.2
52.5°	22.6	17.6	13.4	9.2	7.5	5.0	4.2	3.3	3.3	3.3	3.3
55°	21.7	18.4	13.4	8.4	6.7	4.2	3.3	2.5	2.5	2.5	2.5
57.5°	20.9	17.6	12.5	6.7	5.0	3.3	2.5	1.7	1.7	1.7	1.7
60°	18.4	15.0	10.0	5.0	4.2	2.5	1.7	0.8	1.7	1.7	1.7
62.5°	15.9	11.7	8.4	4.2	3.3	1.7	1.7	0.8	1.7	1.7	1.7
65°	11.7	9.2	6.7	3.3	2.5	0.8	0.8	0.8	1.7	1.7	1.7
67.5°	9.2	6.7	5.0	2.5	1.7	0.8	0.8	0.8	1.7	1.7	1.7
70°	6.7	5.0	3.3	1.7	1.7	0.8	0.8	0.8	1.7	1.7	1.7
72.5°	5.0	3.3	2.5	1.7	1.7	0.8	1.7	1.7	1.7	1.7	1.7
75°	4.2	3.3	2.5	1.7	1.7	0.8	1.7	1.7	2.5	2.5	2.5
77.5°	4.2	2.5	2.5	1.7	1.7	0.8	1.7	2.5	2.5	2.5	2.5
80°	4.2	2.5	2.5	1.7	1.7	0.8	1.7	2.5	2.5	2.5	2.5
82.5°	4.2	2.5	2.5	1.7	1.7	0.8	1.7	2.5	2.5	2.5	2.5
85°	2.5	2.5	2.5	2.5	1.7	0.8	2.5	3.3	3.3	2.5	2.5
87.5°	1.7	1.7	2.5	2.5	1.7	0.8	2.5	3.3	3.3	2.5	2.5
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):

	165°	170°	175°	180°
0°	548.4	548.4	548.4	548.4
2.5°	393.7	389.5	384.5	394.6
5°	295.9	292.6	289.2	295.1
7.5°	175.5	176.4	176.4	167.2
10°	131.2	123.7	115.4	115.4
12.5°	65.2	60.2	55.2	54.3
15°	46.8	47.6	48.5	48.5
17.5°	46.0	44.3	41.8	40.1
20°	41.0	42.6	43.5	43.5
22.5°	35.9	35.1	33.4	33.4
25°	35.9	36.8	37.6	37.6
27.5°	27.6	27.6	26.7	26.7
30°	26.7	26.7	26.7	26.7
32.5°	20.9	21.7	21.7	21.7
35°	17.6	17.6	17.6	17.6
37.5°	13.4	13.4	13.4	12.5
40°	10.0	10.0	10.0	10.0
42.5°	7.5	7.5	7.5	7.5
45°	5.9	5.9	5.9	5.9
47.5°	5.0	5.0	4.2	4.2
50°	3.3	3.3	3.3	3.3
52.5°	2.5	2.5	2.5	2.5
55°	1.7	1.7	1.7	1.7
57.5°	1.7	1.7	1.7	1.7
60°	0.8	0.8	0.8	0.8
62.5°	0.8	0.8	0.8	0.8
65°	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8
72.5°	1.7	1.7	0.8	0.8
75°	1.7	1.7	0.8	0.8
77.5°	1.7	1.7	0.8	0.8
80°	1.7	1.7	0.8	0.8
82.5°	1.7	1.7	0.8	0.8
85°	1.7	1.7	1.7	0.8
87.5°	1.7	1.7	1.7	0.8
90°	0.0	0.0	0.0	0.0

(END OF REPORT)