

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: P560159

Luminaire Tested: **SDL-PA1-30-727-U-SL3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560159
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-PA1-30-727-U-SL3
Description: Springdale
(1) 70 CRI, 2700K, 375mA 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: 3162.7 lumens
Efficiency: N/A
Efficacy: 105.1 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 - G2

Input Watts (W): 30.1
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



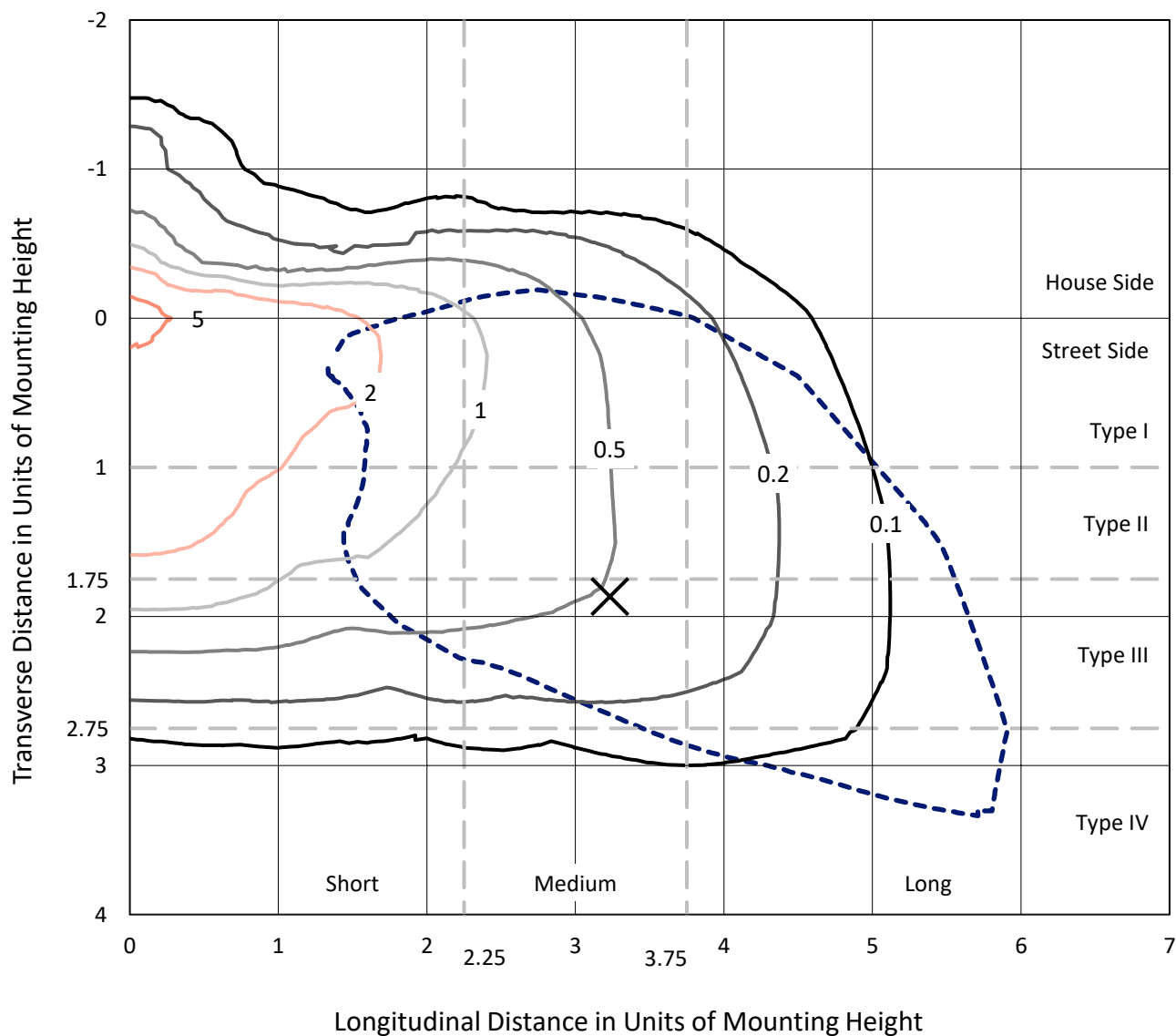
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

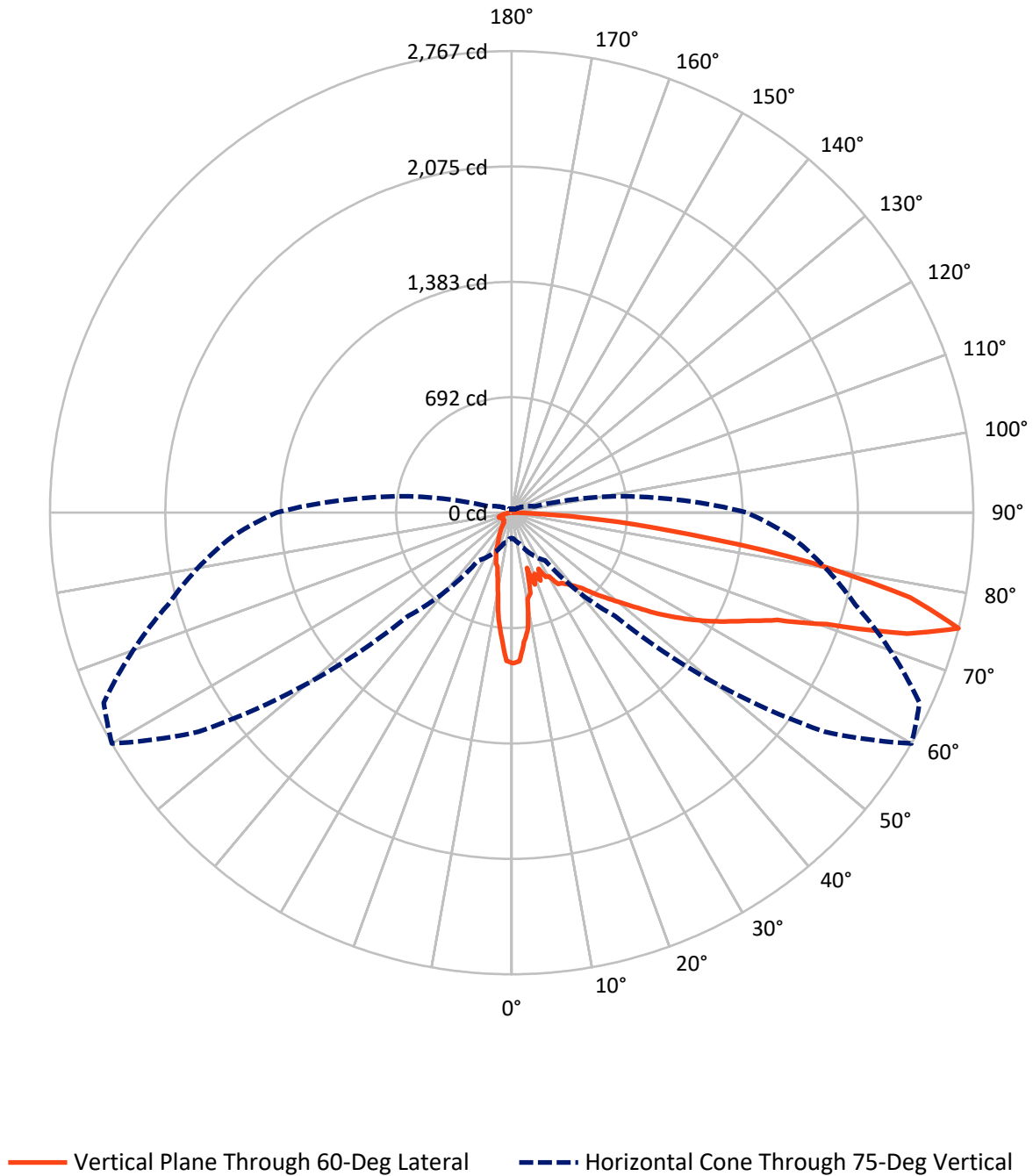


Based on 10 foot mounting height. Maximum calculated value = 9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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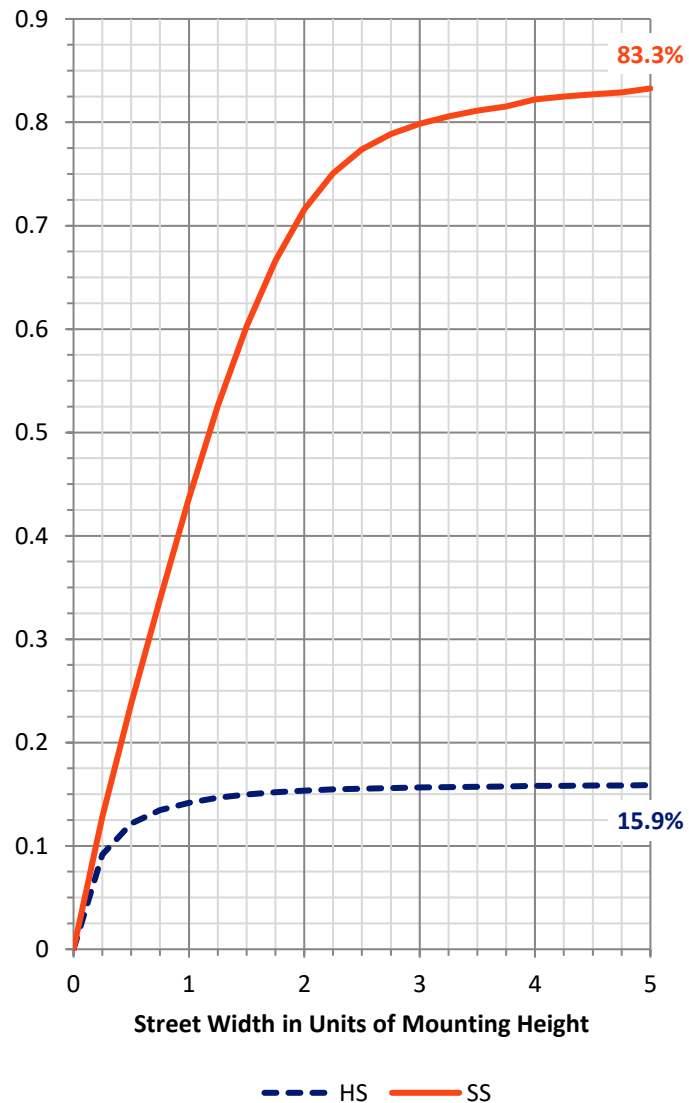
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	508.4	0.0	508.4
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	2654.4	0.0	2654.4
	% Fixture	83.9	0.0	83.9
Total	Lumens	3162.7	0.0	3162.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.8	2.1
10°-20°	118.7	3.8
20°-30°	155.5	4.9
30°-40°	256.7	8.1
40°-50°	400.8	12.7
50°-60°	610.2	19.3
60°-70°	756.1	23.9
70°-80°	667.9	21.1
80°-90°	130.9	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°	3162.7	100.0
0°-180°	3162.7	100.0

Coefficient of Utilization



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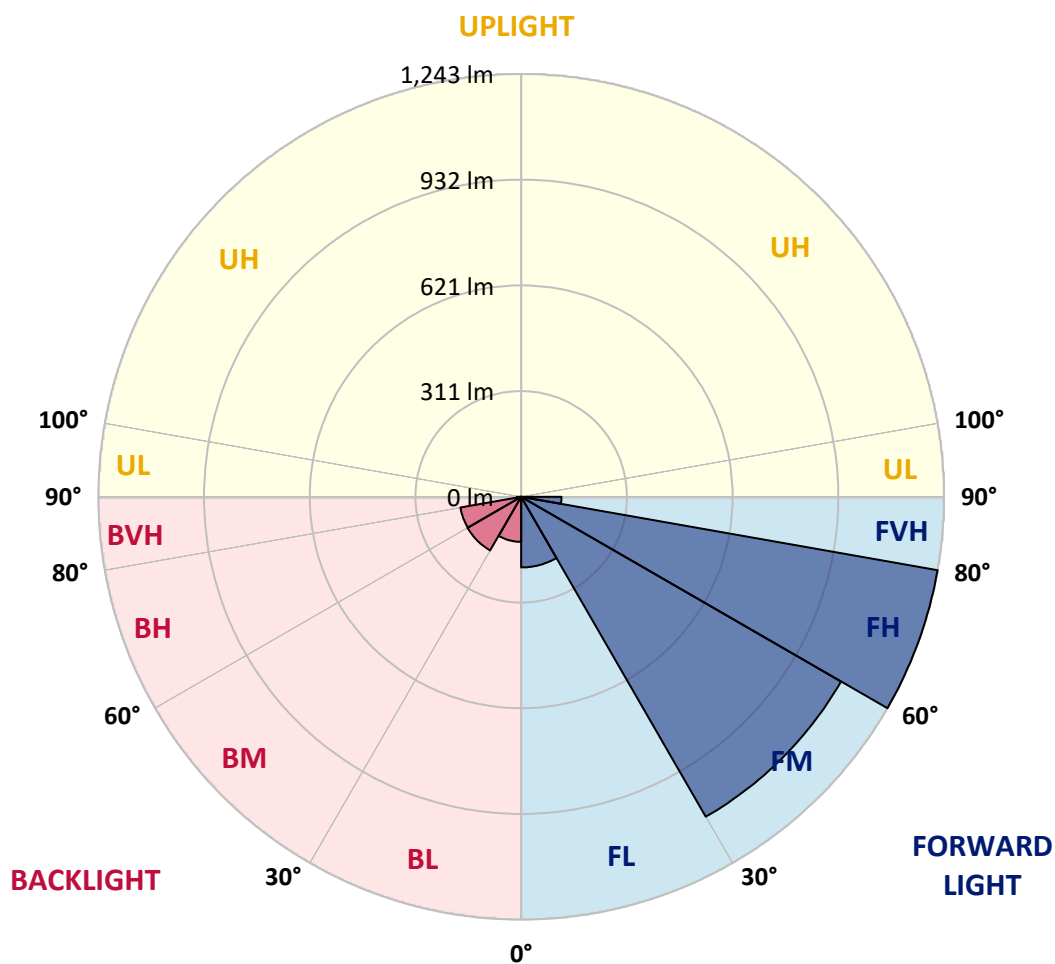
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	207.6	6.6			
FM	(30°-60°)	1085.5	34.3			
FH	(60°-80°)	1242.7	39.3			G1/1800
FVH	(80°-90°)	118.5	3.7			G2/225
BL	(0°-30°)	132.4	4.2	B1/500		
BM	(30°-60°)	182.1	5.8	B0/220		
BH	(60°-80°)	181.3	5.7	B1/500		G1/500
BVH	(80°-90°)	12.5	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	902.1	902.1	902.1	902.1	902.1	902.1	902.1	902.1	902.1	902.1	902.1
2.5°	749.3	833.8	814.1	794.4	824.5	853.5	862.8	870.9	875.5	880.1	884.8
5°	696.0	697.2	698.3	699.5	702.9	705.3	709.9	714.5	719.2	722.6	727.3
7.5°	537.3	555.9	586.0	616.1	634.6	652.0	662.4	671.7	678.6	685.6	692.5
10°	597.6	601.0	602.2	602.2	608.0	613.8	569.8	524.6	546.6	568.6	544.3
12.5°	469.0	481.8	520.0	557.0	568.6	579.0	558.2	537.3	504.9	471.3	469.0
15°	538.5	542.0	543.1	543.1	507.2	471.3	447.0	421.5	441.2	459.8	416.9
17.5°	416.9	420.4	450.5	480.6	486.4	492.2	466.7	441.2	384.5	326.6	381.0
20°	495.7	498.0	498.0	498.0	437.7	377.5	382.2	385.6	404.2	422.7	407.6
22.5°	399.5	399.5	399.5	399.5	418.1	435.4	398.4	361.3	382.2	403.0	384.5
25°	502.6	506.1	498.0	488.7	433.1	377.5	394.9	412.3	381.0	349.7	377.5
27.5°	458.6	455.1	438.9	421.5	429.6	437.7	399.5	361.3	385.6	410.0	398.4
30°	609.1	598.7	581.3	564.0	498.0	432.0	421.5	411.1	390.3	368.3	392.6
32.5°	809.5	782.9	701.8	620.7	580.2	539.7	487.5	435.4	430.8	425.0	432.0
35°	862.8	845.4	811.8	777.1	707.6	636.9	570.9	503.8	481.8	458.6	463.2
37.5°	873.2	867.4	860.4	852.3	781.7	711.1	639.3	567.5	544.3	520.0	502.6
40°	881.3	885.9	898.7	910.2	839.6	767.8	702.9	636.9	612.6	587.1	557.0
42.5°	918.3	931.1	947.3	962.4	897.5	832.6	775.9	719.2	687.9	656.6	628.8
45°	1004.0	1011.0	1028.4	1044.6	983.2	920.7	855.8	789.8	763.2	736.5	708.7
47.5°	1129.1	1140.7	1139.5	1138.4	1070.1	1000.6	927.6	853.5	836.1	817.6	791.0
50°	1286.6	1278.5	1256.5	1234.5	1160.4	1085.1	999.4	912.6	904.4	895.2	873.2
52.5°	1365.4	1359.6	1329.5	1298.2	1222.9	1147.6	1055.0	961.2	971.6	982.0	961.2
55°	1370.0	1366.5	1344.5	1322.5	1249.6	1176.6	1094.4	1012.1	1037.6	1063.1	1055.0
57.5°	1336.4	1337.6	1330.6	1322.5	1257.7	1192.8	1124.5	1056.2	1100.2	1143.0	1151.1
60°	1250.7	1268.1	1279.7	1291.2	1250.7	1210.2	1151.1	1092.1	1159.2	1226.4	1248.4
62.5°	1092.1	1107.1	1148.8	1189.3	1197.4	1204.4	1165.0	1124.5	1214.8	1304.0	1339.9
65°	846.5	867.4	929.9	992.5	1057.3	1122.2	1131.4	1140.7	1293.6	1446.4	1476.5
67.5°	528.1	539.7	605.7	670.5	801.4	931.1	1005.2	1079.3	1343.4	1606.2	1653.7
70°	279.1	296.5	328.9	360.2	472.5	584.8	735.4	885.9	1268.1	1650.2	1844.8
72.5°	211.9	218.9	236.2	253.6	293.0	332.4	427.3	522.3	992.5	1461.5	1909.6
75°	152.9	158.7	177.2	194.6	233.9	272.1	311.5	349.7	612.6	875.5	1583.1
77.5°	89.2	91.5	100.8	108.9	170.2	231.6	274.5	316.2	379.8	442.4	1130.3
80°	61.4	62.5	66.0	69.5	96.1	122.8	205.0	287.2	316.2	343.9	749.3
82.5°	40.5	46.3	48.6	51.0	60.2	69.5	120.4	170.2	250.1	328.9	511.9
85°	20.8	23.2	27.8	31.3	35.9	39.4	54.4	68.3	207.3	345.1	368.3
87.5°	2.3	3.5	4.6	4.6	5.8	6.9	10.4	13.9	62.5	111.2	95.0
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	902.1	902.1	902.1	902.1	902.1	902.1	902.1	902.1	902.1	902.1	902.1
2.5°	889.4	891.7	890.6	892.9	894.0	895.2	896.3	896.3	895.2	892.9	890.6
5°	731.9	778.2	857.0	865.1	873.2	875.5	877.8	879.0	876.7	873.2	869.7
7.5°	698.3	705.3	634.6	691.4	747.0	751.6	755.1	752.7	753.9	722.6	690.2
10°	520.0	525.8	528.1	545.4	561.7	599.9	638.1	632.3	627.7	572.1	515.3
12.5°	466.7	496.8	503.8	474.8	445.9	485.2	524.6	520.0	511.9	460.9	410.0
15°	374.1	342.8	410.0	472.5	533.9	570.9	606.8	596.4	587.1	522.3	456.3
17.5°	434.3	452.8	430.8	440.1	449.3	477.1	503.8	487.5	481.8	436.6	390.3
20°	392.6	391.4	376.4	430.8	485.2	539.7	592.9	576.7	548.9	460.9	371.7
22.5°	365.9	441.2	473.6	466.7	458.6	437.7	415.7	401.8	381.0	361.3	340.5
25°	404.2	372.9	398.4	481.8	564.0	579.0	594.1	559.3	514.2	425.0	335.8
27.5°	386.8	435.4	467.9	523.4	577.9	630.0	682.1	635.8	576.7	465.5	353.2
30°	416.9	443.5	533.9	638.1	742.3	760.8	778.2	714.5	635.8	523.4	411.1
32.5°	438.9	509.5	589.5	670.5	750.4	764.3	778.2	706.4	616.1	492.2	368.3
35°	466.7	518.8	591.8	686.7	781.7	785.2	787.5	704.1	602.2	462.1	320.8
37.5°	485.2	544.3	623.0	723.8	824.5	817.6	809.5	714.5	597.6	441.2	284.9
40°	526.9	577.9	662.4	765.5	868.5	857.0	845.4	736.5	598.7	420.4	240.9
42.5°	599.9	619.6	711.1	821.1	931.1	918.3	904.4	774.7	612.6	408.8	203.8
45°	679.8	689.0	767.8	892.9	1017.9	1001.7	985.5	833.8	638.1	403.0	167.9
47.5°	763.2	760.8	833.8	985.5	1136.1	1101.3	1066.6	903.3	685.6	414.6	143.6
50°	850.0	846.5	917.2	1080.5	1243.8	1206.7	1169.6	986.7	740.0	435.4	129.7
52.5°	939.2	947.3	999.4	1169.6	1338.7	1305.1	1270.4	1077.0	793.3	458.6	123.9
55°	1045.7	1071.2	1092.1	1262.3	1432.5	1398.9	1364.2	1169.6	867.4	494.5	121.6
57.5°	1158.1	1191.6	1200.9	1356.1	1511.3	1489.3	1466.1	1257.7	942.7	536.2	128.5
60°	1270.4	1314.4	1348.0	1473.1	1597.0	1571.5	1546.0	1346.8	1013.3	582.5	151.7
62.5°	1374.6	1436.0	1490.4	1581.9	1672.2	1642.1	1612.0	1424.4	1093.2	646.2	198.0
65°	1505.5	1559.9	1619.0	1679.2	1738.3	1709.3	1680.4	1521.7	1199.8	726.1	251.3
67.5°	1701.2	1717.4	1747.5	1784.6	1820.5	1803.1	1784.6	1641.0	1292.4	772.4	251.3
70°	2038.2	2002.3	1957.1	1956.0	1953.7	1925.9	1896.9	1708.1	1298.2	753.9	209.6
72.5°	2356.7	2479.4	2335.8	2231.6	2127.4	2004.6	1880.7	1617.8	1146.5	656.6	166.8
75°	2289.5	2766.6	2697.1	2414.6	2132.0	1909.6	1687.3	1409.4	943.8	543.1	142.4
77.5°	1817.0	2441.2	2507.2	2247.8	1987.2	1686.1	1383.9	1089.7	654.3	386.8	119.3
80°	1153.4	1825.1	1836.7	1595.8	1353.8	1030.7	707.6	474.8	315.0	205.0	95.0
82.5°	694.8	1080.5	940.3	674.0	407.6	282.6	156.3	150.5	115.8	85.7	55.6
85°	391.4	529.2	379.8	249.0	118.1	84.5	49.8	53.3	51.0	41.7	31.3
87.5°	77.6	91.5	62.5	35.9	9.3	9.3	8.1	8.1	5.8	5.8	4.6
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°	902.1	902.1	902.1	902.1	902.1	902.1	902.1	902.1	902.1	902.1	902.1
2.5°	890.6	890.6	888.2	885.9	884.8	883.6	848.9	814.1	791.0	766.6	760.8
5°	826.9	784.0	751.6	719.2	712.2	705.3	704.1	702.9	699.5	694.8	693.7
7.5°	653.1	614.9	641.6	667.0	662.4	656.6	653.1	648.5	640.4	632.3	591.8
10°	502.6	489.9	489.9	488.7	479.4	470.2	491.0	511.9	535.0	558.2	555.9
12.5°	428.5	445.9	400.7	354.4	379.8	404.2	427.3	449.3	460.9	472.5	436.6
15°	404.2	350.9	335.8	320.8	332.4	343.9	310.4	275.6	302.3	328.9	334.7
17.5°	362.5	334.7	319.6	303.4	259.4	214.2	229.3	244.4	243.2	242.0	236.2
20°	338.2	303.4	276.8	249.0	228.1	207.3	185.3	162.1	151.7	140.1	167.9
22.5°	321.9	303.4	247.8	192.2	176.0	159.8	142.4	123.9	130.9	136.7	141.3
25°	281.4	225.8	194.6	163.3	137.8	111.2	112.3	113.5	107.7	101.9	128.5
27.5°	284.9	215.4	166.8	118.1	108.9	98.4	92.6	85.7	95.0	103.1	105.4
30°	298.8	186.4	141.3	96.1	85.7	75.3	78.7	81.1	81.1	81.1	92.6
32.5°	265.2	162.1	120.4	77.6	71.8	64.9	66.0	66.0	71.8	77.6	83.4
35°	224.7	127.4	98.4	68.3	62.5	56.7	59.1	61.4	67.2	73.0	81.1
37.5°	193.4	100.8	81.1	61.4	57.9	54.4	55.6	56.7	62.5	67.2	74.1
40°	163.3	84.5	71.8	59.1	55.6	52.1	53.3	53.3	57.9	62.5	67.2
42.5°	141.3	77.6	68.3	57.9	54.4	49.8	51.0	51.0	54.4	57.9	61.4
45°	121.6	74.1	66.0	56.7	53.3	48.6	48.6	47.5	51.0	53.3	55.6
47.5°	108.9	73.0	64.9	56.7	52.1	46.3	45.2	44.0	47.5	49.8	53.3
50°	101.9	73.0	64.9	55.6	49.8	44.0	42.8	41.7	46.3	49.8	55.6
52.5°	99.6	74.1	64.9	55.6	48.6	41.7	41.7	41.7	49.8	57.9	60.2
55°	99.6	76.4	66.0	54.4	47.5	40.5	42.8	45.2	47.5	49.8	49.8
57.5°	101.9	75.3	63.7	52.1	47.5	41.7	40.5	39.4	40.5	41.7	41.7
60°	112.3	73.0	61.4	49.8	44.0	38.2	37.1	35.9	38.2	39.4	39.4
62.5°	135.5	71.8	61.4	49.8	42.8	35.9	35.9	34.7	35.9	37.1	38.2
65°	165.6	79.9	64.9	49.8	42.8	35.9	33.6	31.3	33.6	34.7	34.7
67.5°	172.6	93.8	75.3	55.6	45.2	34.7	32.4	30.1	32.4	33.6	33.6
70°	156.3	103.1	81.1	59.1	47.5	34.7	32.4	29.0	30.1	31.3	30.1
72.5°	134.3	100.8	79.9	57.9	46.3	33.6	31.3	27.8	29.0	29.0	27.8
75°	114.6	86.9	68.3	48.6	39.4	29.0	26.6	24.3	25.5	25.5	25.5
77.5°	96.1	71.8	55.6	38.2	31.3	23.2	22.0	20.8	22.0	23.2	22.0
80°	75.3	54.4	41.7	27.8	23.2	17.4	18.5	18.5	19.7	19.7	19.7
82.5°	44.0	32.4	26.6	19.7	16.2	12.7	13.9	15.1	16.2	16.2	16.2
85°	26.6	20.8	17.4	13.9	11.6	8.1	10.4	11.6	11.6	11.6	10.4
87.5°	4.6	4.6	4.6	4.6	3.5	2.3	4.6	5.8	5.8	5.8	4.6
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°	902.1	902.1	902.1	902.1
2.5°	753.9	753.9	752.7	752.7
5°	692.5	690.2	687.9	690.2
7.5°	551.2	535.0	518.8	523.4
10°	552.4	551.2	550.1	548.9
12.5°	399.5	386.8	374.1	365.9
15°	339.3	335.8	331.2	331.2
17.5°	229.3	218.9	208.5	201.5
20°	195.7	201.5	206.1	208.5
22.5°	145.9	150.5	155.2	157.5
25°	154.0	165.6	176.0	177.2
27.5°	106.5	112.3	117.0	114.6
30°	104.2	107.7	111.2	111.2
32.5°	89.2	98.4	107.7	108.9
35°	89.2	93.8	98.4	99.6
37.5°	79.9	83.4	85.7	86.9
40°	71.8	74.1	75.3	75.3
42.5°	63.7	69.5	74.1	74.1
45°	56.7	71.8	86.9	91.5
47.5°	55.6	77.6	99.6	104.2
50°	60.2	81.1	100.8	103.1
52.5°	61.4	73.0	83.4	83.4
55°	48.6	54.4	59.1	57.9
57.5°	41.7	46.3	49.8	49.8
60°	39.4	45.2	49.8	51.0
62.5°	38.2	40.5	42.8	45.2
65°	34.7	34.7	34.7	34.7
67.5°	32.4	32.4	31.3	31.3
70°	29.0	29.0	29.0	29.0
72.5°	26.6	26.6	26.6	25.5
75°	24.3	24.3	23.2	23.2
77.5°	20.8	20.8	20.8	20.8
80°	18.5	18.5	17.4	17.4
82.5°	15.1	15.1	13.9	12.7
85°	9.3	9.3	8.1	6.9
87.5°	3.5	3.5	2.3	1.2
90°	0.0	0.0	0.0	0.0

(END OF REPORT)