

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: P560302

Luminaire Tested: **SDL-PA1-30-830-U-T3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560302
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-2)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-30-830-U-T3-HSS
Description: Springdale
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2239.9 lumens
Efficiency: N/A
Efficacy: 74.4 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): 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

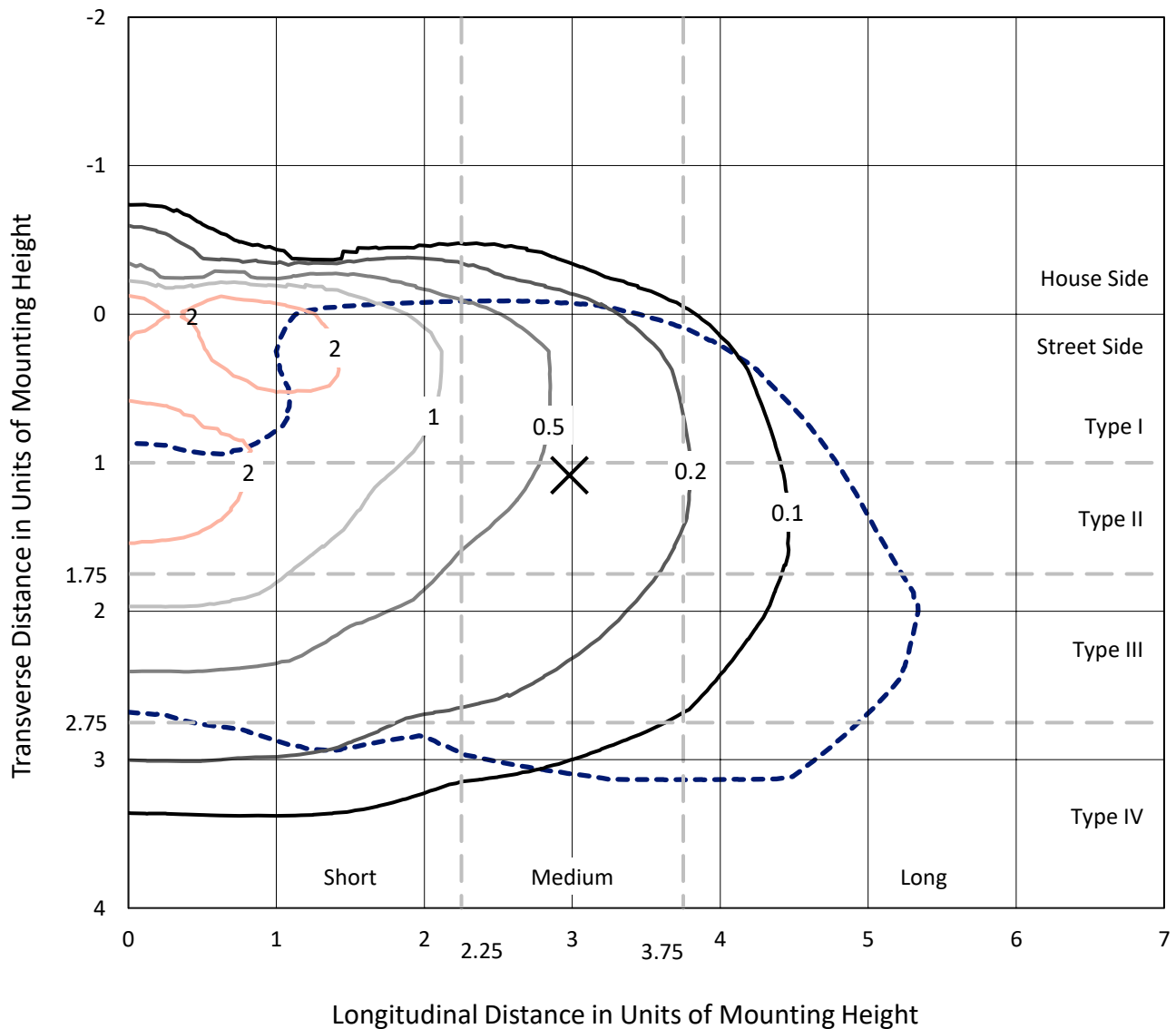


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

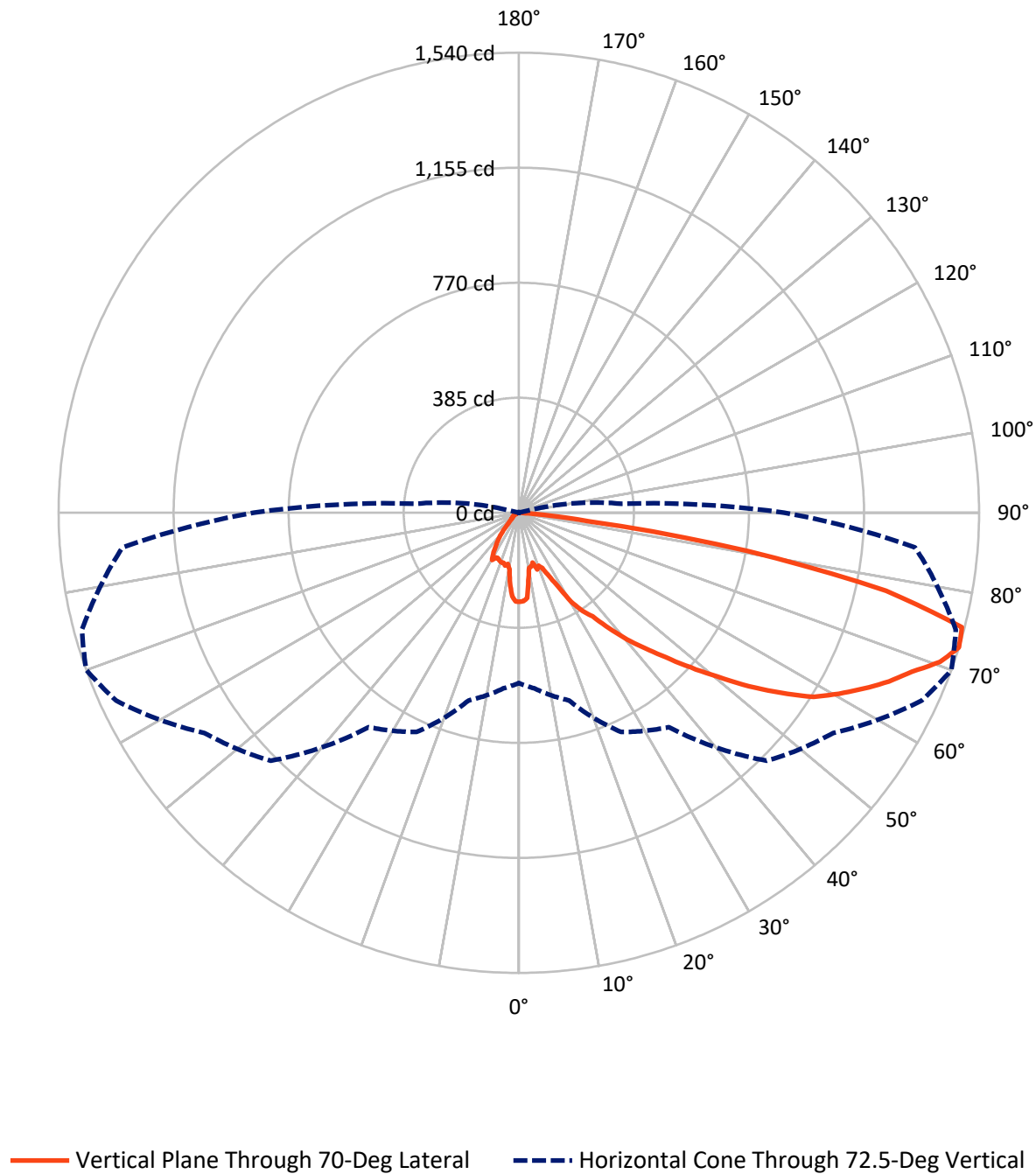


Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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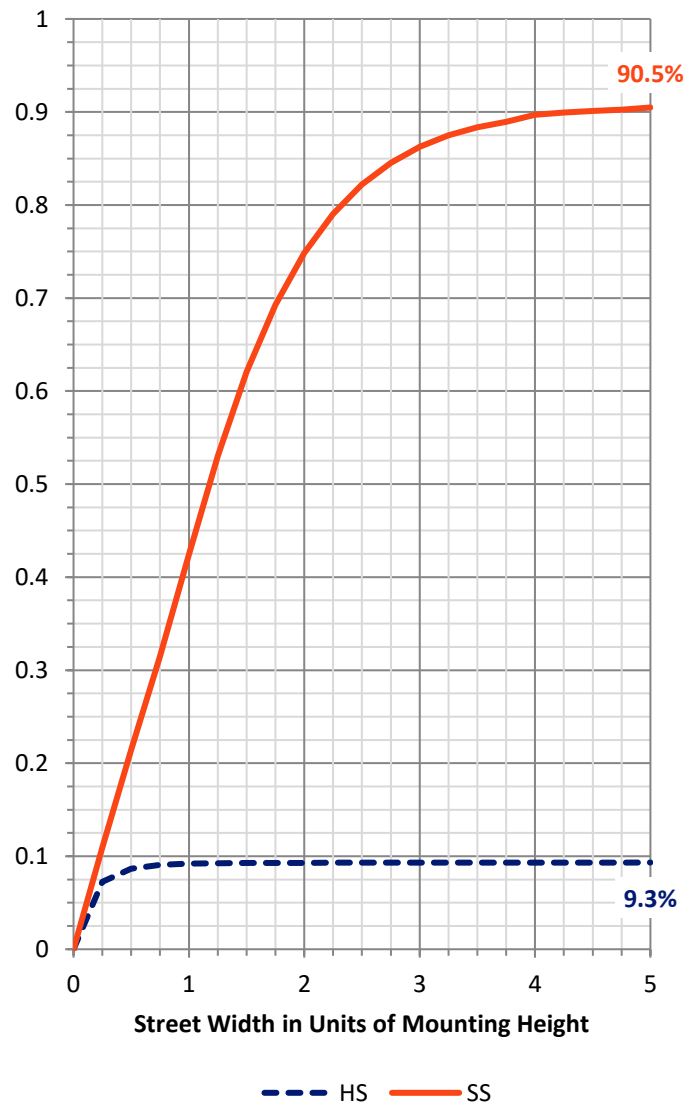
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	211.2	0.0	211.2
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	2028.7	0.0	2028.7
	% Fixture	90.6	0.0	90.6
Total	Lumens	2239.9	0.0	2239.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.9	1.0
10°-20°	45.9	2.0
20°-30°	74.7	3.3
30°-40°	159.5	7.1
40°-50°	307.3	13.7
50°-60°	508.2	22.7
60°-70°	622.0	27.8
70°-80°	455.7	20.3
80°-90°	43.8	2.0
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°	2239.9	100.0
0°-180°	2239.9	100.0

Coefficient of Utilization



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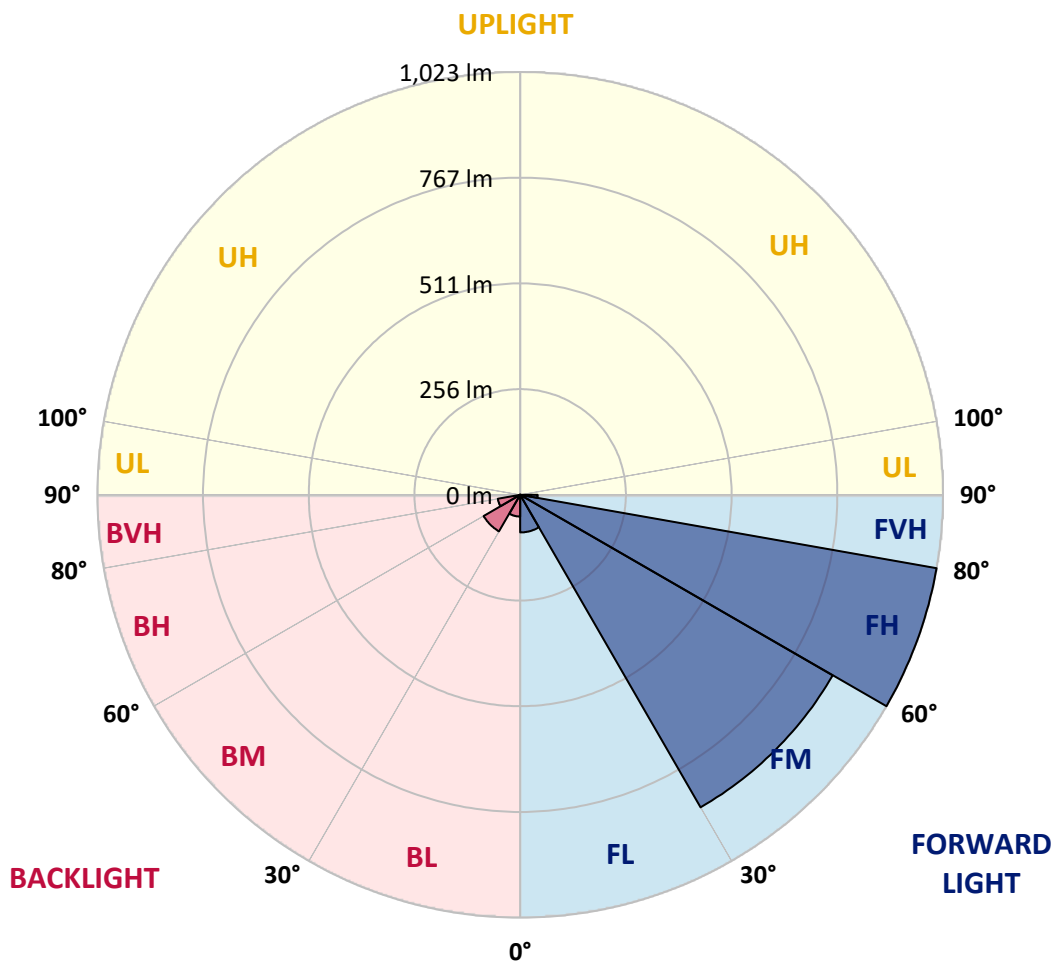
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	90.9	4.1			
FM	(30°-60°)	872.8	39.0			
FH	(60°-80°)	1022.7	45.7			G1/1800
FVH	(80°-90°)	42.2	1.9			G1/100
BL	(0°-30°)	52.6	2.3	B0/110		
BM	(30°-60°)	102.1	4.6	B0/220		
BH	(60°-80°)	55.0	2.5	B0/110		G0/110
BVH	(80°-90°)	1.5	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°	298.1	298.1	298.1	298.1	298.1	298.1	298.1	298.1	298.1	298.1	298.1
2.5°	265.1	272.8	277.2	281.6	280.5	279.4	281.6	283.8	288.2	291.5	293.7
5°	238.7	238.7	238.7	238.7	239.8	239.8	239.8	239.8	240.9	242.0	243.1
7.5°	206.8	211.2	213.4	215.6	221.1	225.5	229.9	234.3	236.5	237.6	238.7
10°	224.4	224.4	224.4	224.4	225.5	225.5	211.2	195.8	196.9	198.0	191.4
12.5°	185.9	184.8	196.9	207.9	215.6	222.2	214.5	205.7	192.5	178.2	176.0
15°	218.9	218.9	218.9	218.9	203.5	188.1	177.1	166.1	174.9	182.6	165.0
17.5°	172.7	177.1	190.3	203.5	203.5	203.5	193.6	183.7	165.0	145.2	166.1
20°	214.5	214.5	214.5	213.4	188.1	162.8	171.6	179.3	187.0	194.7	191.4
22.5°	178.2	176.0	179.3	182.6	190.3	196.9	174.9	151.8	177.1	201.3	189.2
25°	225.5	225.5	226.6	226.6	202.4	178.2	192.5	205.7	187.0	168.3	198.0
27.5°	203.5	196.9	195.8	193.6	201.3	207.9	198.0	188.1	209.0	229.9	220.0
30°	282.7	282.7	275.0	267.3	237.6	206.8	210.1	212.3	212.3	212.3	234.3
32.5°	392.7	393.8	364.1	333.3	306.9	279.4	255.2	229.9	243.1	256.3	270.6
35°	529.1	532.4	511.5	489.5	424.6	359.7	319.0	278.3	277.2	275.0	295.9
37.5°	627.0	633.6	617.1	600.6	523.6	446.6	388.3	330.0	324.5	317.9	325.6
40°	719.3	714.9	705.0	694.0	612.7	530.2	466.4	401.5	387.2	371.8	372.9
42.5°	839.2	826.0	800.7	775.4	697.3	619.3	551.1	482.9	459.8	436.7	432.3
45°	994.3	972.3	936.0	898.6	821.6	744.6	661.1	576.4	547.8	518.1	511.5
47.5°	1073.5	1058.1	1035.0	1010.8	931.6	852.4	772.1	690.7	651.2	610.5	599.5
50°	1167.0	1147.2	1131.8	1115.3	1047.1	977.8	903.0	827.1	774.3	721.5	702.8
52.5°	1256.1	1223.1	1208.8	1193.4	1139.5	1084.5	1006.4	928.3	894.2	859.0	813.9
55°	1288.0	1256.1	1249.5	1242.9	1204.4	1165.9	1094.4	1022.9	983.3	942.6	906.3
57.5°	1218.7	1223.1	1242.9	1262.7	1240.7	1218.7	1160.4	1101.0	1057.0	1013.0	992.1
60°	1171.4	1181.3	1211.0	1240.7	1240.7	1240.7	1208.8	1176.9	1135.1	1093.3	1079.0
62.5°	1095.5	1107.6	1152.7	1197.8	1226.4	1255.0	1220.9	1186.8	1172.5	1157.1	1143.9
65°	995.4	998.7	1049.3	1099.9	1159.3	1217.6	1185.7	1152.7	1180.2	1207.7	1194.5
67.5°	879.9	885.4	932.7	978.9	1049.3	1119.7	1110.9	1101.0	1161.5	1222.0	1220.9
70°	742.4	752.3	793.0	832.6	911.8	989.9	998.7	1007.5	1112.0	1215.4	1235.2
72.5°	569.8	589.6	620.4	650.1	730.3	809.5	842.5	875.5	1025.1	1173.6	1229.7
75°	189.2	202.4	288.2	372.9	454.3	535.7	608.3	679.7	866.7	1052.6	1169.2
77.5°	55.0	57.2	73.7	89.1	152.9	215.6	290.4	364.1	546.7	728.1	921.7
80°	28.6	29.7	33.0	36.3	52.8	69.3	100.1	129.8	213.4	297.0	500.5
82.5°	19.8	19.8	23.1	25.3	31.9	38.5	55.0	71.5	78.1	84.7	201.3
85°	6.6	6.6	8.8	11.0	15.4	19.8	29.7	38.5	38.5	37.4	53.9
87.5°	1.1	1.1	2.2	3.3	5.5	6.6	5.5	4.4	3.3	2.2	4.4
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°	298.1	298.1	298.1	298.1	298.1	298.1	298.1	298.1	298.1	298.1	298.1
2.5°	294.8	295.9	295.9	295.9	297.0	297.0	297.0	297.0	295.9	297.0	297.0
5°	243.1	262.9	281.6	287.1	290.4	291.5	291.5	291.5	290.4	290.4	290.4
7.5°	239.8	238.7	237.6	228.8	249.7	254.1	257.4	256.3	256.3	250.8	244.2
10°	184.8	184.8	184.8	187.0	199.1	213.4	227.7	227.7	227.7	211.2	194.7
12.5°	172.7	179.3	184.8	184.8	165.0	181.5	198.0	198.0	198.0	181.5	163.9
15°	147.4	155.1	161.7	172.7	205.7	225.5	245.3	245.3	244.2	225.5	205.7
17.5°	185.9	183.7	180.4	200.2	188.1	191.4	194.7	184.8	199.1	193.6	188.1
20°	188.1	168.3	147.4	189.2	232.1	250.8	269.5	270.6	267.3	246.4	224.4
22.5°	177.1	202.4	226.6	200.2	206.8	202.4	196.9	194.7	194.7	193.6	192.5
25°	226.6	202.4	178.2	234.3	273.9	287.1	300.3	297.0	292.6	262.9	233.2
27.5°	209.0	233.2	256.3	278.3	298.1	310.2	322.3	356.4	310.2	276.1	240.9
30°	255.2	284.9	313.5	345.4	405.9	423.5	441.1	432.3	421.3	355.3	289.3
32.5°	283.8	331.1	377.3	391.6	427.9	444.4	459.8	452.1	438.9	352.0	265.1
35°	315.7	359.7	402.6	425.7	469.7	482.9	495.0	482.9	468.6	348.7	228.8
37.5°	333.3	392.7	451.0	490.6	528.0	531.3	533.5	522.5	503.8	348.7	193.6
40°	374.0	437.8	500.5	557.7	587.4	588.5	589.6	572.0	537.9	345.4	151.8
42.5°	427.9	492.8	556.6	619.3	658.9	655.6	651.2	627.0	570.9	339.9	108.9
45°	504.9	562.1	619.3	689.6	738.0	729.2	719.3	683.0	594.0	334.4	73.7
47.5°	587.4	632.5	676.4	773.2	834.8	816.1	796.3	743.5	610.5	332.2	52.8
50°	683.0	719.3	755.6	861.2	934.9	899.7	864.5	804.0	617.1	330.0	41.8
52.5°	767.7	805.1	841.4	964.6	1020.7	981.1	941.5	851.3	613.8	325.6	36.3
55°	868.9	901.9	934.9	1063.6	1108.7	1055.9	1002.0	885.4	597.3	315.7	33.0
57.5°	970.1	1004.2	1037.2	1162.6	1175.8	1124.1	1071.3	918.4	580.8	305.8	29.7
60°	1064.7	1103.2	1141.7	1229.7	1239.6	1193.4	1147.2	950.3	554.4	290.4	26.4
62.5°	1130.7	1183.5	1236.3	1295.7	1300.1	1258.3	1215.4	974.5	520.3	272.8	24.2
65°	1180.2	1252.8	1324.3	1360.6	1358.4	1328.7	1299.0	995.4	492.8	256.3	19.8
67.5°	1218.7	1306.7	1394.7	1418.9	1424.4	1396.9	1369.4	998.7	458.7	237.6	15.4
70°	1255.0	1351.8	1448.6	1494.8	1483.8	1440.9	1398.0	973.4	412.5	212.3	11.0
72.5°	1284.7	1385.9	1487.1	1539.9	1513.5	1422.2	1330.9	887.6	345.4	177.1	7.7
75°	1284.7	1385.9	1486.0	1531.1	1440.9	1259.4	1076.8	661.1	202.4	104.5	6.6
77.5°	1115.3	1189.0	1262.7	1256.1	1097.7	872.2	645.7	380.6	68.2	37.4	5.5
80°	703.9	752.3	800.7	776.5	561.0	402.6	243.1	127.6	24.2	14.3	4.4
82.5°	317.9	312.4	306.9	236.5	110.0	73.7	36.3	22.0	6.6	4.4	2.2
85°	70.4	68.2	66.0	48.4	33.0	22.0	11.0	6.6	3.3	3.3	2.2
87.5°	6.6	7.7	7.7	5.5	5.5	4.4	2.2	2.2	2.2	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	298.1	298.1	298.1	298.1	298.1	298.1	298.1	298.1	298.1	298.1	298.1
2.5°	297.0	297.0	297.0	295.9	295.9	295.9	288.2	279.4	273.9	267.3	264.0
5°	280.5	270.6	258.5	246.4	244.2	240.9	242.0	242.0	243.1	243.1	243.1
7.5°	238.7	233.2	235.4	237.6	237.6	237.6	237.6	236.5	235.4	234.3	223.3
10°	190.3	185.9	185.9	185.9	189.2	191.4	185.9	179.3	189.2	198.0	195.8
12.5°	174.9	185.9	171.6	156.2	158.4	159.5	159.5	158.4	154.0	149.6	134.2
15°	182.6	159.5	146.3	132.0	132.0	132.0	106.7	81.4	75.9	70.4	71.5
17.5°	174.9	161.7	146.3	129.8	97.9	64.9	61.6	57.2	57.2	57.2	58.3
20°	176.0	127.6	107.8	88.0	70.4	51.7	48.4	44.0	41.8	38.5	45.1
22.5°	172.7	151.8	103.4	55.0	48.4	41.8	38.5	34.1	39.6	45.1	45.1
25°	167.2	100.1	74.8	48.4	40.7	33.0	37.4	40.7	38.5	35.2	40.7
27.5°	168.3	94.6	64.9	35.2	37.4	38.5	36.3	33.0	36.3	38.5	36.3
30°	181.5	73.7	55.0	35.2	34.1	31.9	33.0	34.1	33.0	30.8	33.0
32.5°	161.7	58.3	46.2	33.0	31.9	30.8	29.7	28.6	29.7	29.7	29.7
35°	136.4	44.0	37.4	30.8	28.6	26.4	26.4	25.3	25.3	25.3	25.3
37.5°	115.5	37.4	33.0	27.5	25.3	23.1	22.0	19.8	19.8	18.7	18.7
40°	93.5	34.1	29.7	24.2	22.0	18.7	17.6	15.4	15.4	14.3	14.3
42.5°	70.4	30.8	26.4	20.9	18.7	15.4	13.2	11.0	11.0	9.9	9.9
45°	50.6	27.5	23.1	17.6	15.4	12.1	9.9	7.7	7.7	6.6	6.6
47.5°	39.6	25.3	20.9	15.4	12.1	8.8	7.7	5.5	5.5	5.5	5.5
50°	31.9	22.0	17.6	12.1	8.8	5.5	4.4	3.3	3.3	3.3	3.3
52.5°	28.6	19.8	15.4	9.9	7.7	4.4	3.3	2.2	3.3	3.3	3.3
55°	25.3	17.6	13.2	7.7	5.5	3.3	3.3	2.2	3.3	3.3	3.3
57.5°	23.1	15.4	11.0	5.5	4.4	2.2	2.2	1.1	2.2	2.2	2.2
60°	19.8	13.2	8.8	4.4	3.3	1.1	1.1	1.1	2.2	2.2	2.2
62.5°	17.6	11.0	7.7	3.3	2.2	1.1	1.1	1.1	2.2	2.2	2.2
65°	14.3	7.7	5.5	2.2	2.2	1.1	1.1	1.1	2.2	2.2	2.2
67.5°	11.0	5.5	4.4	2.2	2.2	1.1	1.1	1.1	2.2	2.2	1.1
70°	7.7	4.4	3.3	1.1	1.1	1.1	1.1	1.1	2.2	2.2	1.1
72.5°	5.5	3.3	2.2	1.1	1.1	0.0	1.1	1.1	2.2	2.2	2.2
75°	5.5	3.3	2.2	1.1	1.1	0.0	1.1	2.2	2.2	2.2	2.2
77.5°	4.4	2.2	2.2	1.1	1.1	0.0	1.1	2.2	2.2	2.2	2.2
80°	3.3	2.2	2.2	1.1	1.1	0.0	2.2	3.3	3.3	3.3	2.2
82.5°	2.2	2.2	2.2	1.1	1.1	0.0	2.2	3.3	3.3	3.3	2.2
85°	2.2	2.2	2.2	2.2	1.1	0.0	2.2	3.3	3.3	3.3	3.3
87.5°	2.2	2.2	2.2	2.2	2.2	1.1	3.3	4.4	4.4	3.3	3.3
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°	298.1	298.1	298.1	298.1
2.5°	259.6	259.6	258.5	261.8
5°	243.1	243.1	243.1	244.2
7.5°	211.2	203.5	195.8	196.9
10°	192.5	190.3	187.0	189.2
12.5°	118.8	112.2	104.5	101.2
15°	72.6	72.6	72.6	71.5
17.5°	59.4	55.0	49.5	50.6
20°	51.7	52.8	53.9	53.9
22.5°	45.1	42.9	40.7	40.7
25°	45.1	45.1	45.1	45.1
27.5°	34.1	34.1	33.0	33.0
30°	35.2	35.2	34.1	33.0
32.5°	28.6	28.6	28.6	28.6
35°	24.2	23.1	22.0	22.0
37.5°	18.7	17.6	16.5	16.5
40°	13.2	13.2	12.1	12.1
42.5°	9.9	9.9	8.8	8.8
45°	6.6	6.6	6.6	6.6
47.5°	4.4	4.4	4.4	4.4
50°	3.3	3.3	3.3	3.3
52.5°	3.3	3.3	2.2	2.2
55°	2.2	2.2	2.2	2.2
57.5°	2.2	2.2	2.2	2.2
60°	2.2	2.2	1.1	1.1
62.5°	1.1	1.1	1.1	1.1
65°	1.1	1.1	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	1.1	1.1	0.0	0.0
75°	1.1	1.1	0.0	0.0
77.5°	1.1	1.1	0.0	0.0
80°	1.1	1.1	0.0	0.0
82.5°	1.1	1.1	1.1	0.0
85°	2.2	2.2	1.1	0.0
87.5°	2.2	2.2	1.1	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)