

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: P560298

Luminaire Tested: **SDL-PA1-30-830-U-T2U-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560298
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-6)
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-T2U-HSS
Description: Springdale
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2182.9 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Short
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

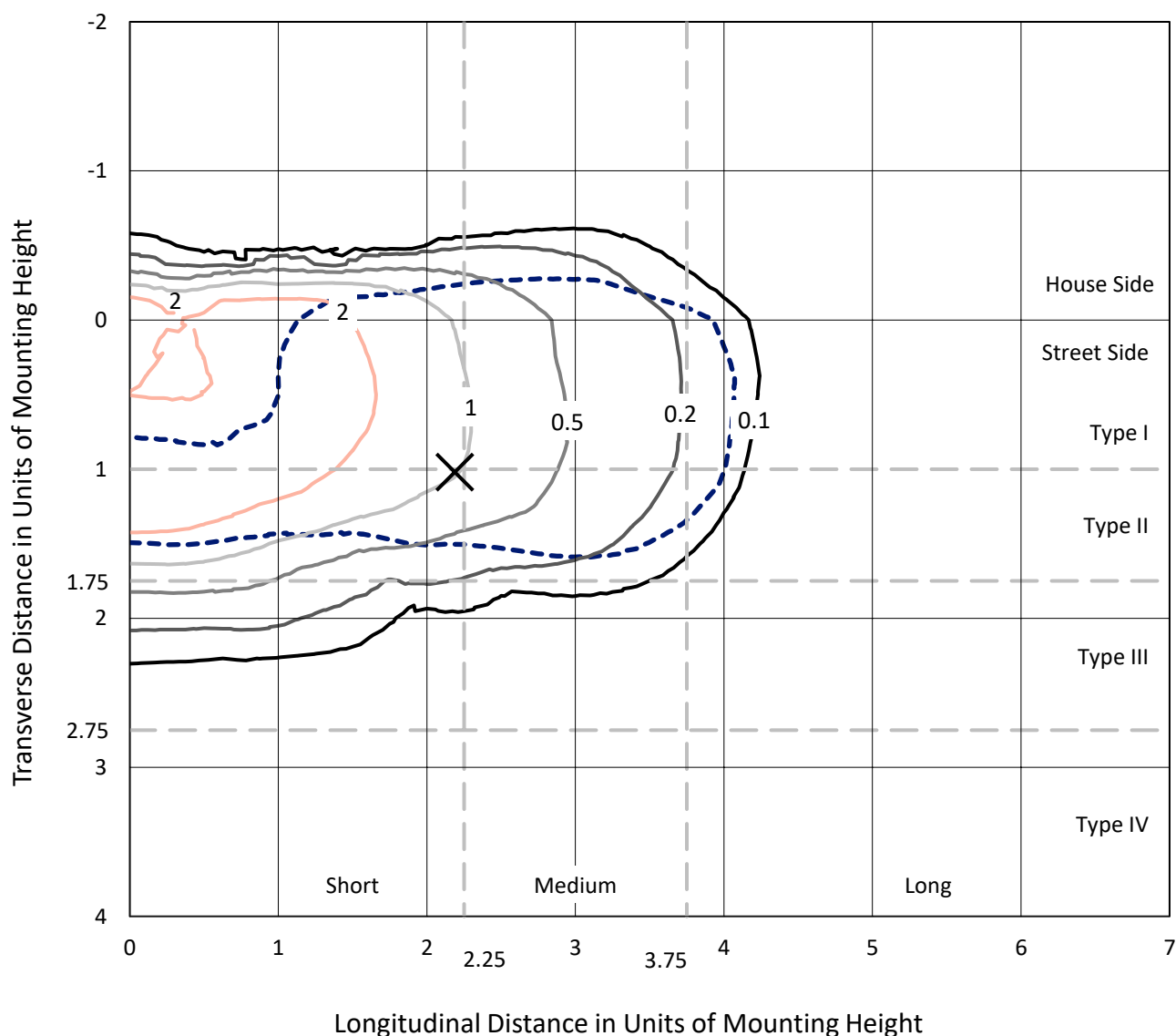


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

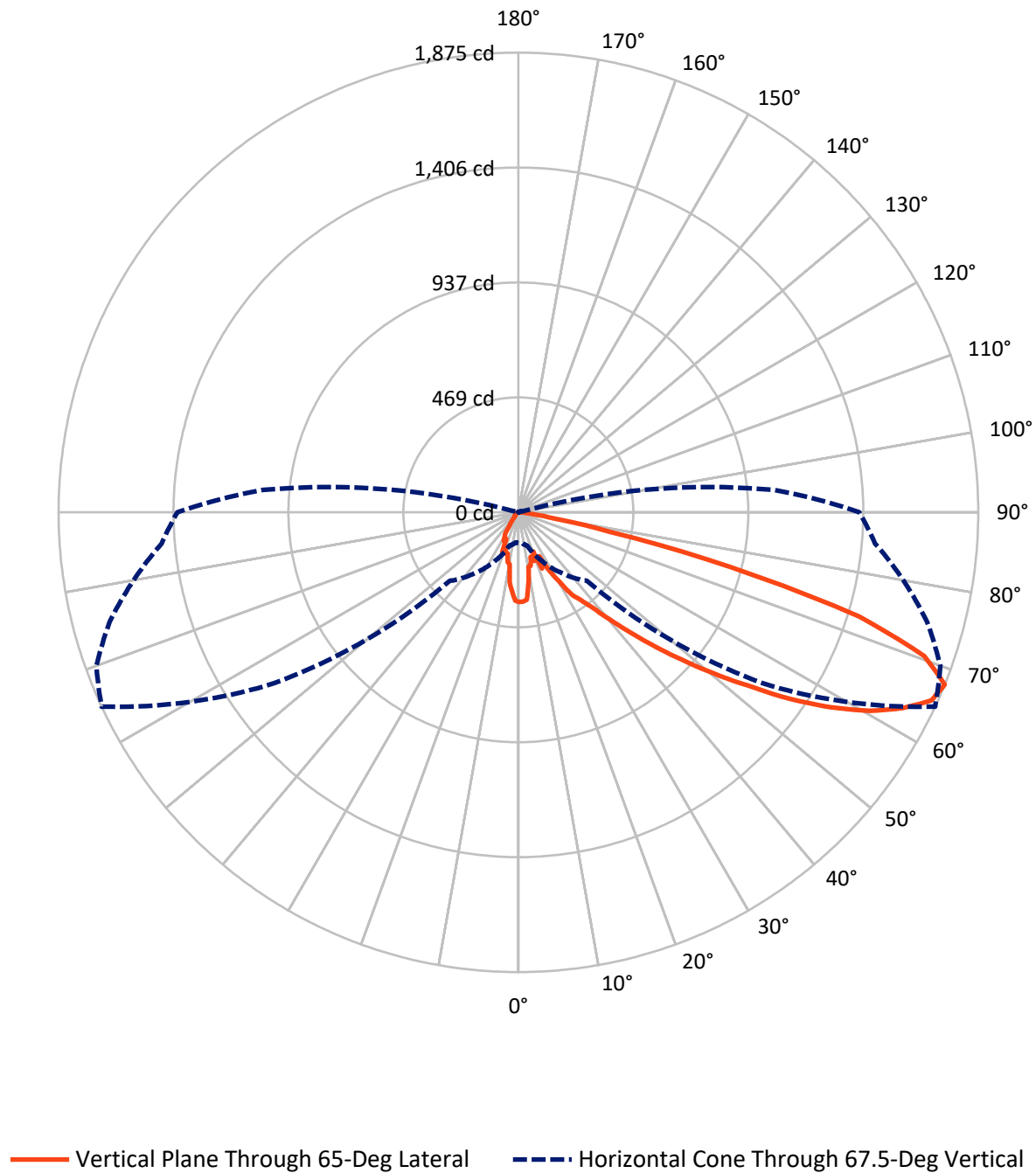


Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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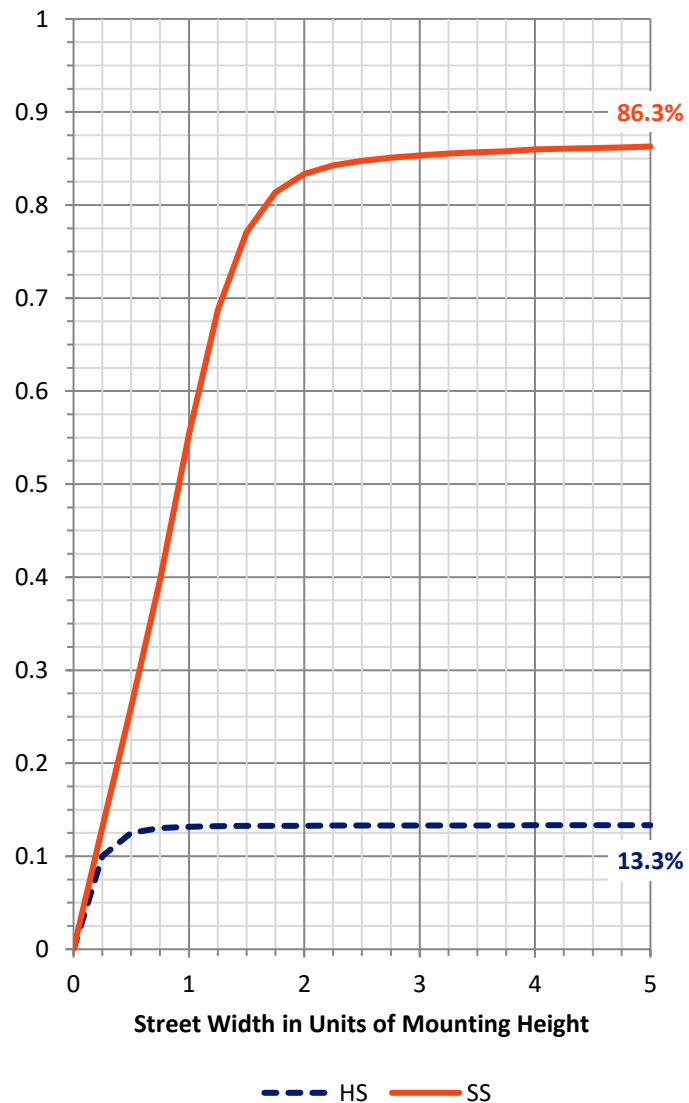
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	295.1	0.0	295.1
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	1887.7	0.0	1887.7
	% Fixture	86.5	0.0	86.5
Total	Lumens	2182.9	0.0	2182.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.1	1.3
10°-20°	54.3	2.5
20°-30°	81.9	3.8
30°-40°	188.7	8.6
40°-50°	414.0	19.0
50°-60°	607.7	27.8
60°-70°	527.9	24.2
70°-80°	261.7	12.0
80°-90°	18.6	0.9
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°	2182.9	100.0
0°-180°	2182.9	100.0

Coefficient of Utilization



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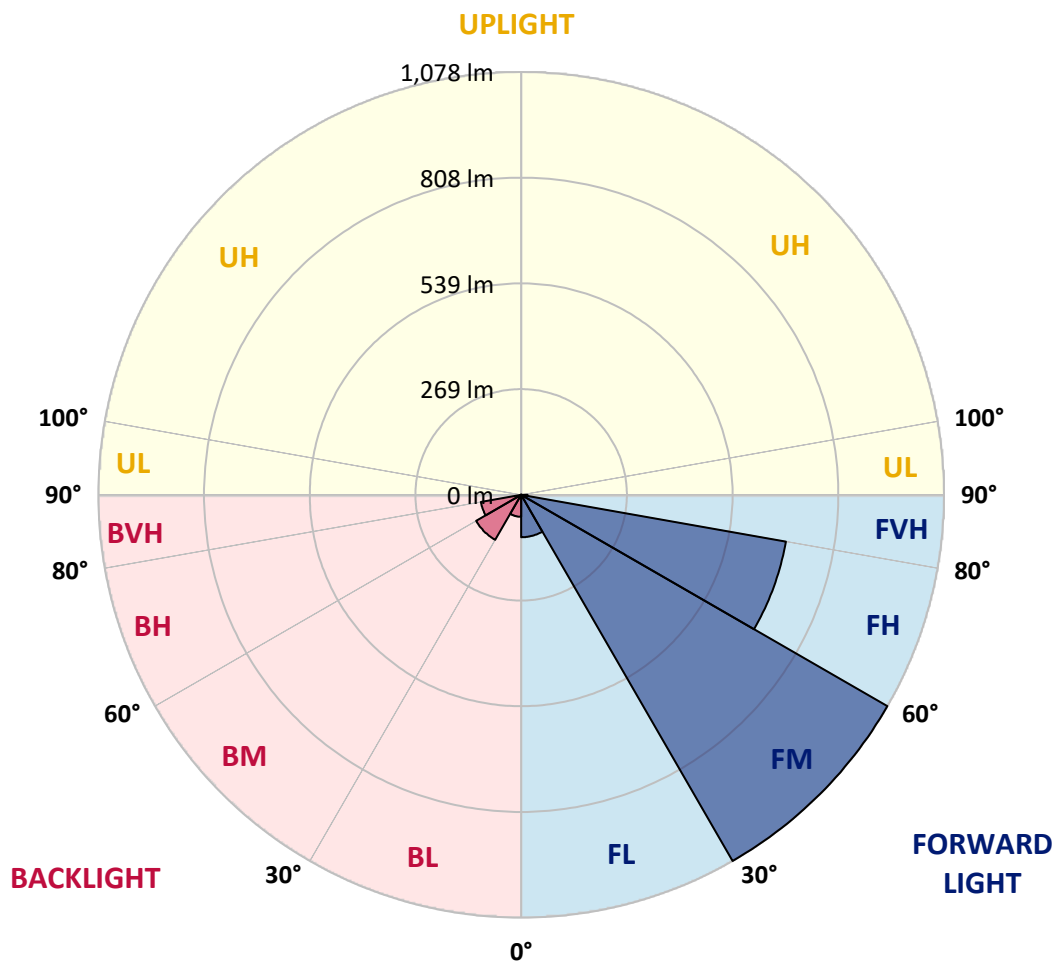
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	108.2	5.0			
FM	(30°-60°)	1077.9	49.4			
FH	(60°-80°)	685.3	31.4			G1/1800
FVH	(80°-90°)	16.3	0.7			G1/100
BL	(0°-30°)	56.1	2.6	B0/110		
BM	(30°-60°)	132.6	6.1	B0/220		
BH	(60°-80°)	104.3	4.8	B0/110		G0/110
BVH	(80°-90°)	2.2	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5
2.5°	306.0	331.3	339.0	346.7	353.3	360.0	361.1	362.2	364.4	365.5	366.6
5°	299.4	300.5	300.5	299.4	300.5	301.6	301.6	301.6	301.6	301.6	302.7
7.5°	240.0	268.6	277.4	285.1	289.5	292.8	295.0	296.1	297.2	298.3	299.4
10°	289.5	288.4	289.5	289.5	290.6	290.6	265.3	240.0	248.8	256.5	243.3
12.5°	230.1	253.2	263.1	273.0	279.6	285.1	274.1	262.0	238.9	214.7	215.8
15°	277.4	277.4	277.4	277.4	256.5	234.5	220.2	204.7	216.9	227.9	205.8
17.5°	223.5	223.5	243.3	263.1	263.1	262.0	247.7	232.3	201.4	170.6	198.1
20°	276.3	276.3	277.4	278.5	242.2	205.8	218.0	229.0	233.4	237.8	227.9
22.5°	225.7	225.7	229.0	231.2	244.4	257.6	222.4	187.1	215.8	244.4	224.6
25°	291.7	292.8	295.0	296.1	263.1	229.0	244.4	259.8	229.0	198.1	229.0
27.5°	264.2	259.8	259.8	258.7	269.7	279.6	257.6	235.6	255.4	275.2	252.1
30°	371.0	367.7	363.3	358.9	317.0	275.2	276.3	276.3	268.6	260.9	274.1
32.5°	514.1	508.6	471.1	433.7	402.9	372.1	340.1	308.2	319.2	329.1	322.5
35°	690.2	690.2	655.0	619.7	550.4	481.0	427.1	372.1	367.7	363.3	369.9
37.5°	899.3	877.3	835.5	793.7	707.8	620.8	538.3	455.7	445.8	434.8	423.8
40°	1054.5	1051.2	1019.3	987.4	881.7	776.0	679.2	581.2	549.3	516.3	492.0
42.5°	1216.4	1204.3	1178.9	1152.5	1045.7	937.9	834.4	729.8	685.8	641.8	598.8
45°	1333.0	1329.7	1307.7	1285.7	1198.7	1110.7	1002.8	893.8	865.2	836.6	756.2
47.5°	1405.7	1387.0	1378.2	1368.3	1293.4	1218.6	1127.2	1034.7	1030.3	1024.8	923.6
50°	1383.7	1367.2	1369.4	1371.6	1335.2	1298.9	1229.6	1159.1	1171.2	1183.3	1099.7
52.5°	1267.0	1252.7	1272.5	1291.2	1290.1	1289.0	1263.7	1237.3	1281.3	1324.2	1267.0
55°	1033.6	1043.5	1083.2	1122.8	1149.2	1174.5	1210.9	1246.1	1329.7	1412.3	1401.3
57.5°	810.2	832.2	872.9	912.5	955.5	997.3	1074.4	1151.4	1292.3	1432.1	1480.5
60°	543.8	558.1	629.6	700.1	739.7	779.4	863.0	945.6	1137.1	1327.5	1454.1
62.5°	337.9	345.6	386.4	427.1	507.5	587.8	629.6	670.4	877.3	1083.2	1317.6
65°	208.0	205.8	222.4	237.8	317.0	395.2	422.7	449.1	586.7	723.2	1087.6
67.5°	124.4	123.3	132.1	140.9	177.2	213.6	256.5	299.4	347.8	395.2	805.8
70°	101.3	103.5	106.8	110.1	120.0	129.9	169.5	209.1	208.0	206.9	484.3
72.5°	84.8	87.0	93.6	99.1	106.8	113.4	136.5	158.5	148.6	138.7	231.2
75°	62.7	63.8	72.7	80.4	92.5	103.5	109.0	113.4	109.0	104.6	116.7
77.5°	41.8	41.8	49.5	57.2	69.3	81.5	88.1	94.7	87.0	79.3	82.6
80°	26.4	26.4	30.8	34.1	46.2	58.3	66.0	73.8	67.1	59.4	58.3
82.5°	15.4	16.5	18.7	20.9	28.6	36.3	41.8	47.3	55.0	61.6	49.5
85°	6.6	7.7	9.9	11.0	15.4	18.7	22.0	25.3	31.9	38.5	31.9
87.5°	1.1	1.1	2.2	3.3	4.4	5.5	5.5	5.5	5.5	4.4	5.5
90°	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5
2.5°	366.6	365.5	364.4	364.4	364.4	363.3	362.2	362.2	362.2	361.1	360.0
5°	302.7	330.2	357.8	358.9	361.1	360.0	358.9	357.8	356.7	355.6	353.3
7.5°	299.4	297.2	295.0	287.3	313.7	313.7	312.6	312.6	310.4	301.6	292.8
10°	229.0	227.9	225.7	229.0	234.5	253.2	270.8	269.7	266.4	245.5	224.6
12.5°	216.9	220.2	223.5	212.5	191.5	209.1	226.8	224.6	222.4	203.6	183.8
15°	183.8	186.0	188.2	205.8	237.8	254.3	269.7	267.5	265.3	243.3	220.2
17.5°	225.7	216.9	208.0	220.2	209.1	216.9	224.6	215.8	209.1	200.3	191.5
20°	216.9	193.7	170.6	205.8	246.6	259.8	273.0	269.7	263.1	242.2	220.2
22.5°	203.6	226.8	248.8	237.8	218.0	205.8	193.7	188.2	183.8	184.9	186.0
25°	258.7	229.0	198.1	251.0	282.9	287.3	290.6	280.7	269.7	246.6	222.4
27.5°	227.9	249.9	270.8	291.7	302.7	306.0	308.2	322.5	299.4	268.6	237.8
30°	287.3	306.0	324.7	371.0	408.4	415.0	421.6	405.1	386.4	348.9	311.5
32.5°	315.9	358.9	400.7	422.7	438.1	443.6	449.1	427.1	406.2	357.8	308.2
35°	375.4	407.3	439.2	464.5	494.2	495.4	496.5	472.2	445.8	375.4	304.9
37.5°	411.7	453.5	494.2	522.9	569.1	565.8	562.5	533.9	502.0	402.9	303.8
40°	466.7	520.7	573.5	601.0	657.2	647.3	637.4	604.3	569.1	432.6	296.1
42.5°	555.9	613.1	670.4	693.5	755.1	744.1	732.0	688.0	642.9	456.8	270.8
45°	674.8	726.5	778.3	819.0	867.4	849.8	832.2	784.9	718.8	477.7	236.7
47.5°	821.2	859.7	898.2	978.6	1013.8	978.6	942.3	885.0	801.4	495.4	189.3
50°	1016.0	1024.8	1032.5	1132.7	1167.9	1114.0	1060.0	986.3	886.1	515.2	143.1
52.5°	1208.7	1192.1	1174.5	1282.4	1295.6	1224.1	1151.4	1074.4	948.9	526.2	102.4
55°	1390.3	1367.2	1342.9	1420.0	1411.2	1316.5	1221.9	1128.3	987.4	529.5	71.6
57.5°	1529.0	1514.7	1499.3	1534.5	1501.5	1390.3	1279.1	1185.5	1016.0	535.0	52.8
60°	1579.6	1611.5	1643.5	1639.1	1578.5	1460.7	1342.9	1243.9	1033.6	537.2	39.6
62.5°	1552.1	1655.6	1757.9	1716.1	1642.4	1518.0	1392.5	1296.7	1041.3	536.1	30.8
65°	1451.9	1651.2	1849.3	1780.0	1687.5	1563.1	1438.7	1352.9	1050.1	537.2	24.2
67.5°	1215.3	1545.5	1874.6	1830.6	1724.9	1592.8	1459.6	1390.3	1045.7	532.8	19.8
70°	760.6	1258.2	1755.7	1789.9	1724.9	1579.6	1434.3	1379.3	1006.1	510.8	15.4
72.5°	322.5	888.3	1454.1	1602.7	1647.9	1507.0	1366.1	1297.8	921.4	466.7	12.1
75°	127.7	510.8	893.8	1129.4	1268.1	1208.7	1148.1	1056.7	604.3	307.1	8.8
77.5°	85.9	233.4	380.9	554.8	661.6	684.7	707.8	603.2	241.1	124.4	6.6
80°	57.2	93.6	129.9	199.2	237.8	224.6	210.2	172.8	73.8	39.6	5.5
82.5°	36.3	48.4	60.5	68.2	70.4	50.6	30.8	25.3	8.8	6.6	3.3
85°	24.2	28.6	33.0	34.1	34.1	24.2	13.2	6.6	3.3	3.3	2.2
87.5°	6.6	7.7	7.7	7.7	5.5	4.4	3.3	2.2	2.2	2.2	2.2
90°	3.3	4.4	4.4	4.4	3.3	3.3	2.2	2.2	2.2	2.2	2.2

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5	365.5
2.5°	360.0	360.0	358.9	357.8	357.8	356.7	345.6	333.5	322.5	310.4	309.3
5°	339.0	323.6	309.3	295.0	292.8	289.5	289.5	288.4	288.4	287.3	287.3
7.5°	290.6	288.4	286.2	284.0	282.9	280.7	279.6	277.4	276.3	274.1	262.0
10°	220.2	214.7	214.7	213.6	215.8	218.0	216.9	214.7	229.0	243.3	242.2
12.5°	195.9	206.9	197.0	186.0	189.3	191.5	194.8	198.1	197.0	194.8	178.3
15°	197.0	172.8	165.1	156.3	160.7	164.0	135.4	105.7	100.2	94.7	88.1
17.5°	183.8	176.1	170.6	164.0	125.5	85.9	77.1	68.2	60.5	51.7	50.6
20°	186.0	150.8	140.9	129.9	100.2	70.4	53.9	37.4	33.0	28.6	33.0
22.5°	181.6	176.1	128.8	81.5	60.5	39.6	33.0	25.3	27.5	29.7	29.7
25°	170.6	118.9	92.5	66.0	46.2	25.3	26.4	26.4	24.2	20.9	23.1
27.5°	184.9	131.0	83.7	35.2	30.8	25.3	23.1	19.8	19.8	19.8	18.7
30°	213.6	114.5	71.6	28.6	24.2	19.8	18.7	17.6	16.5	14.3	15.4
32.5°	202.5	96.9	60.5	24.2	20.9	17.6	15.4	13.2	13.2	13.2	13.2
35°	183.8	61.6	41.8	20.9	17.6	14.3	13.2	11.0	11.0	11.0	11.0
37.5°	171.7	39.6	28.6	16.5	14.3	12.1	11.0	8.8	8.8	8.8	9.9
40°	161.8	27.5	20.9	14.3	12.1	8.8	7.7	6.6	7.7	7.7	7.7
42.5°	147.5	23.1	17.6	12.1	9.9	7.7	6.6	5.5	6.6	6.6	6.6
45°	128.8	20.9	15.4	9.9	8.8	6.6	5.5	4.4	5.5	5.5	5.5
47.5°	103.5	17.6	13.2	8.8	7.7	5.5	5.5	4.4	4.4	4.4	4.4
50°	80.4	16.5	12.1	7.7	6.6	4.4	4.4	3.3	4.4	4.4	4.4
52.5°	58.3	14.3	11.0	6.6	5.5	3.3	3.3	3.3	3.3	3.3	3.3
55°	41.8	12.1	8.8	5.5	4.4	3.3	3.3	2.2	3.3	3.3	3.3
57.5°	31.9	11.0	7.7	4.4	3.3	2.2	2.2	2.2	2.2	2.2	2.2
60°	25.3	9.9	7.7	4.4	3.3	2.2	2.2	1.1	2.2	2.2	2.2
62.5°	19.8	7.7	6.6	4.4	3.3	2.2	2.2	1.1	2.2	2.2	2.2
65°	15.4	6.6	5.5	3.3	2.2	1.1	1.1	1.1	2.2	2.2	2.2
67.5°	13.2	5.5	4.4	3.3	2.2	1.1	2.2	2.2	2.2	2.2	2.2
70°	11.0	5.5	4.4	3.3	2.2	1.1	2.2	2.2	3.3	3.3	2.2
72.5°	8.8	4.4	3.3	2.2	2.2	1.1	2.2	2.2	3.3	3.3	2.2
75°	6.6	3.3	3.3	2.2	2.2	1.1	2.2	3.3	3.3	3.3	2.2
77.5°	5.5	3.3	3.3	2.2	2.2	1.1	2.2	3.3	3.3	3.3	3.3
80°	4.4	2.2	2.2	2.2	1.1	0.0	2.2	4.4	4.4	3.3	3.3
82.5°	3.3	2.2	2.2	2.2	1.1	0.0	2.2	4.4	4.4	3.3	3.3
85°	2.2	2.2	2.2	2.2	2.2	1.1	3.3	4.4	4.4	3.3	3.3
87.5°	2.2	2.2	2.2	2.2	2.2	1.1	2.2	3.3	3.3	3.3	3.3
90°	2.2	2.2	3.3	3.3	2.2	1.1	2.2	3.3	3.3	3.3	3.3

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	365.5	365.5	365.5	365.5
2.5°	307.1	309.3	310.4	308.2
5°	286.2	286.2	285.1	288.4
7.5°	248.8	242.2	234.5	229.0
10°	240.0	234.5	229.0	230.1
12.5°	160.7	144.2	127.7	133.2
15°	81.5	77.1	72.7	72.7
17.5°	48.4	44.0	38.5	39.6
20°	36.3	36.3	36.3	36.3
22.5°	28.6	27.5	25.3	24.2
25°	24.2	24.2	24.2	24.2
27.5°	17.6	17.6	16.5	15.4
30°	15.4	15.4	15.4	14.3
32.5°	12.1	13.2	13.2	13.2
35°	11.0	11.0	11.0	11.0
37.5°	9.9	9.9	8.8	8.8
40°	7.7	7.7	7.7	7.7
42.5°	6.6	6.6	6.6	6.6
45°	5.5	5.5	5.5	5.5
47.5°	4.4	4.4	4.4	4.4
50°	4.4	4.4	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	1.1	1.1
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°	1.1	1.1	0.0	0.0
70°	1.1	1.1	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°	2.2	1.1	0.0	0.0
80°	2.2	2.2	1.1	0.0
82.5°	2.2	2.2	1.1	0.0
85°	2.2	2.2	1.1	0.0
87.5°	2.2	2.2	1.1	0.0
90°	2.2	2.2	1.1	0.0

(END OF REPORT)