

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: P560277

Luminaire Tested: **SDL-PA1-30-827-U-T2U**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560277
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-8)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-30-827-U-T2U
Description: Springdale
(1) 80 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2827.7 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B1 - 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



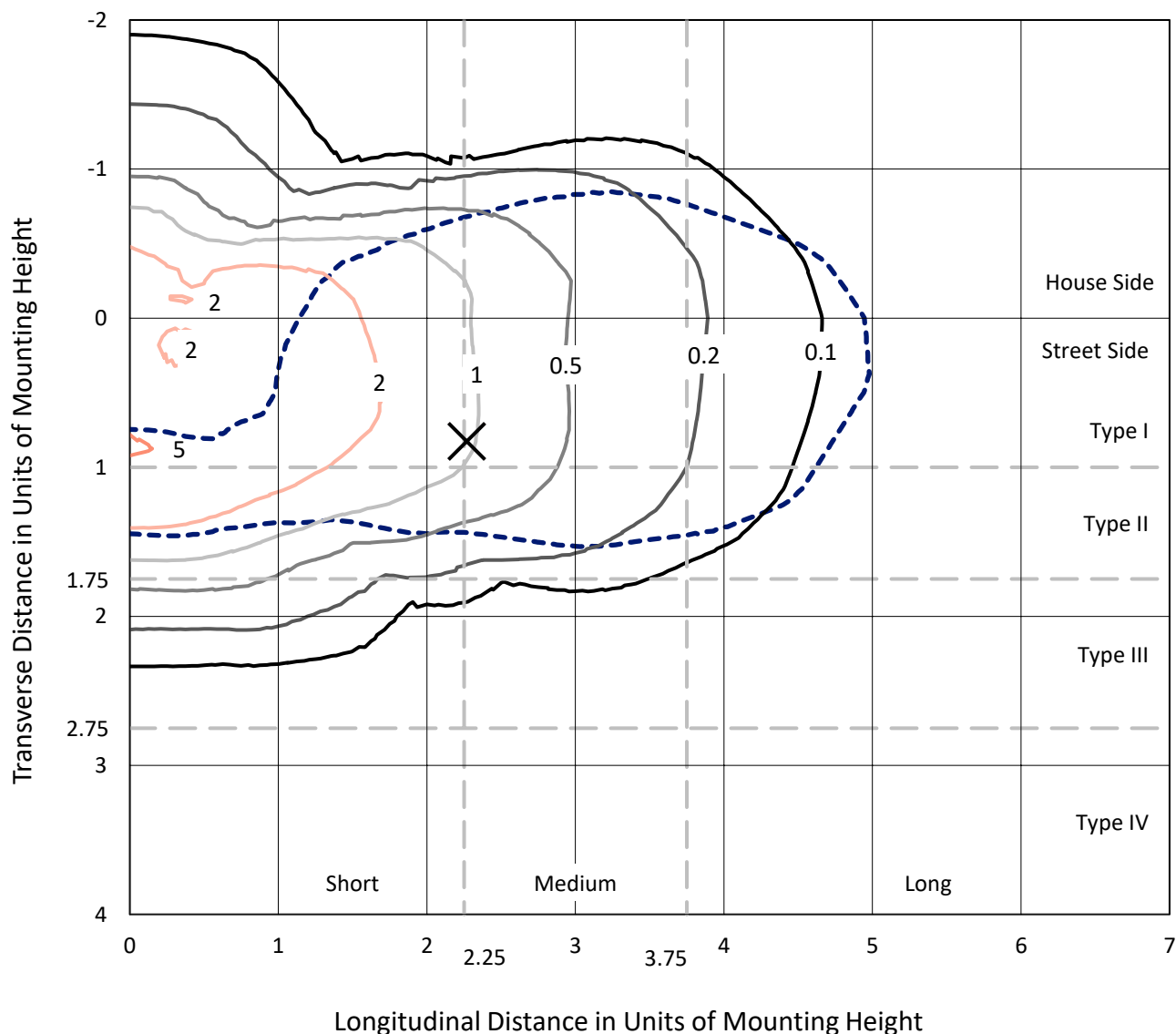
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

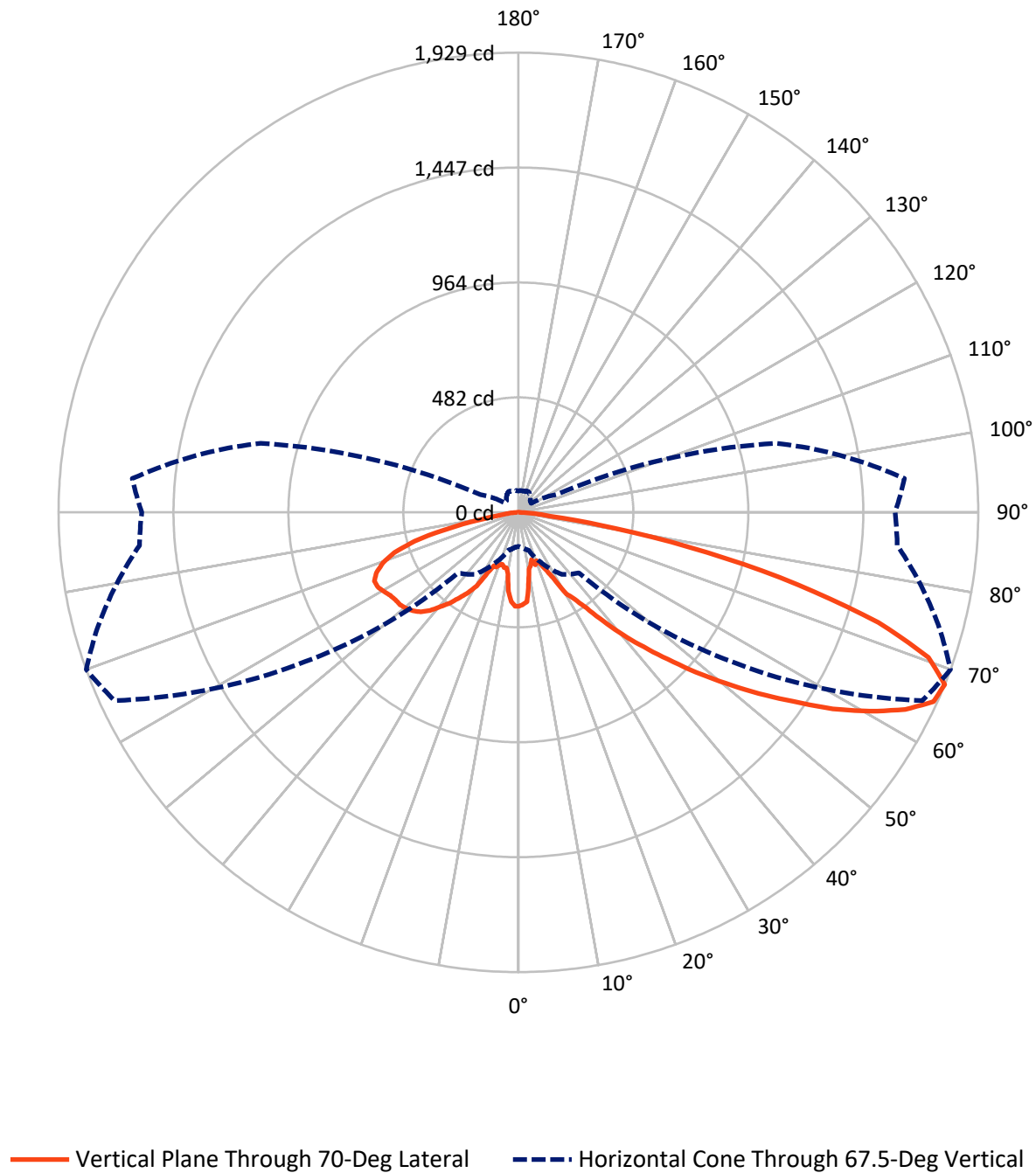


Based on 10 foot mounting height. Maximum calculated value = 5.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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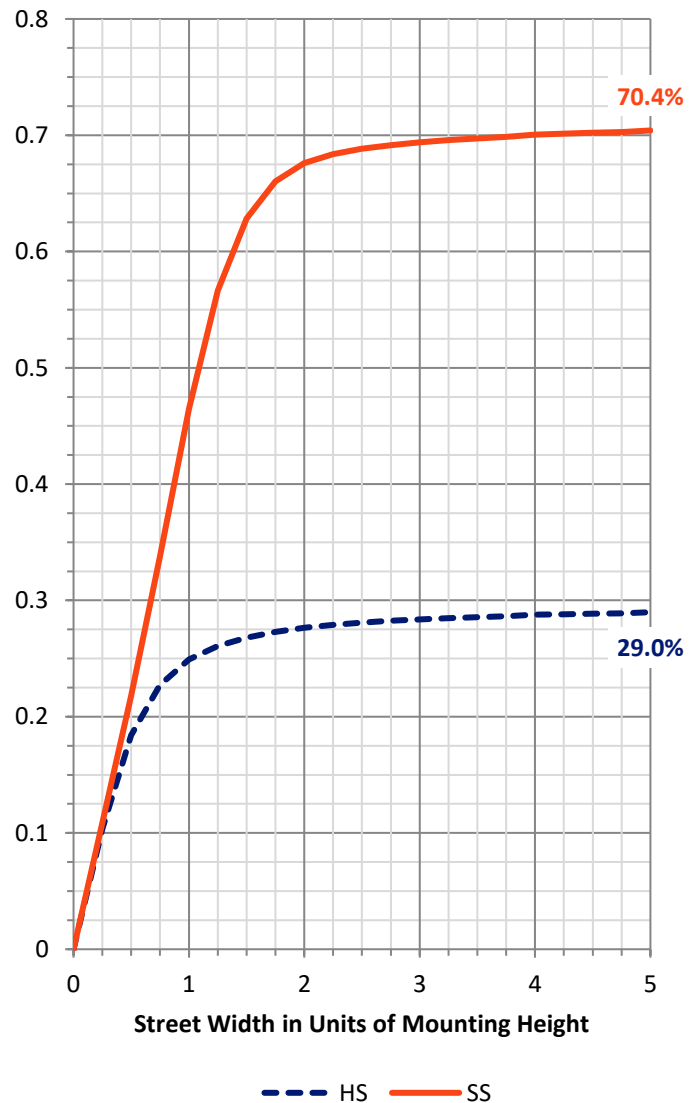
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	829.2	0.0	829.2
	% Fixture	29.3	0.0	29.3
Street Side	Lumens	1998.5	0.0	1998.5
	% Fixture	70.7	0.0	70.7
Total	Lumens	2827.7	0.0	2827.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.5	1.1
10°-20°	74.0	2.6
20°-30°	131.5	4.7
30°-40°	278.1	9.8
40°-50°	509.0	18.0
50°-60°	694.4	24.6
60°-70°	654.7	23.2
70°-80°	396.2	14.0
80°-90°	58.2	2.1
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°	2827.7	100.0
0°-180°	2827.7	100.0

Coefficient of Utilization



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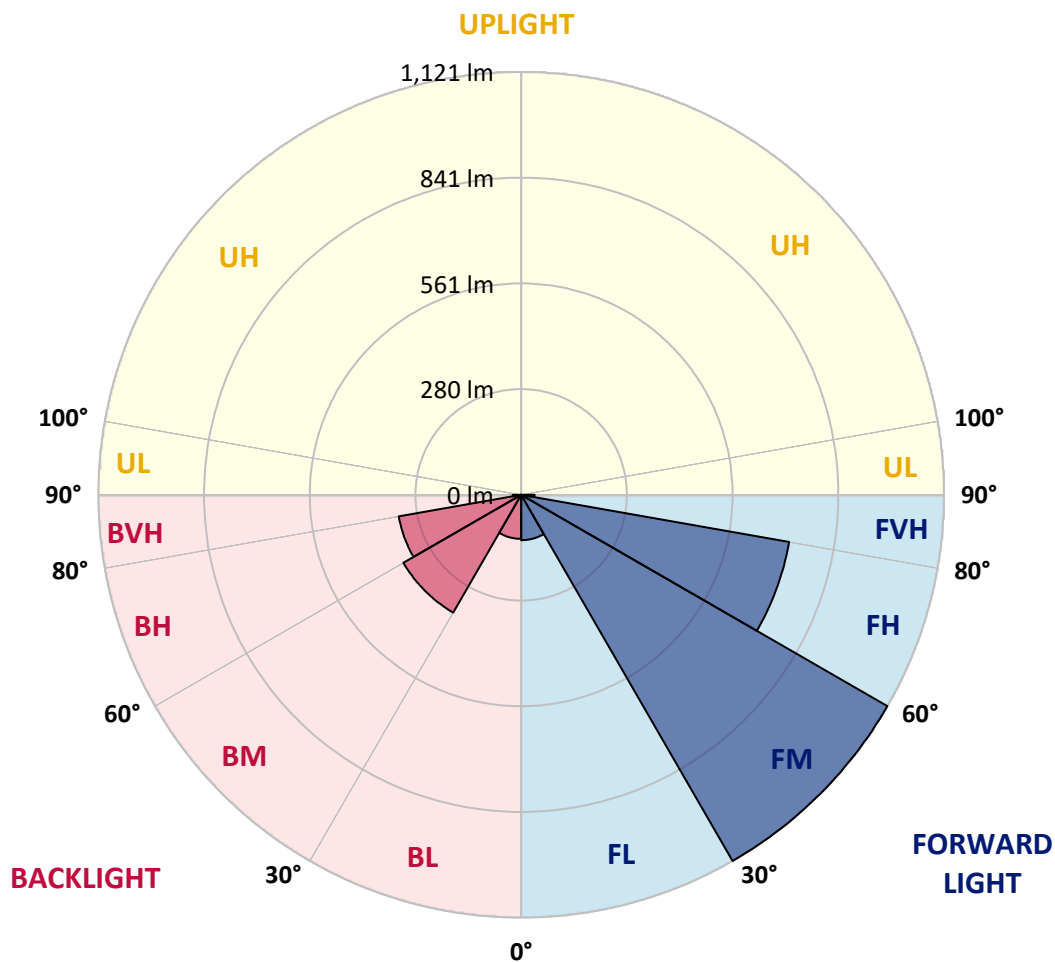
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	120.3	4.3			
FM	(30°-60°)	1121.0	39.6			
FH	(60°-80°)	721.4	25.5			G1/1800
FVH	(80°-90°)	35.7	1.3			G1/100
BL	(0°-30°)	116.8	4.1	B1/500		
BM	(30°-60°)	360.5	12.7	B1/1000		
BH	(60°-80°)	329.5	11.7	B1/500		G1/500
BVH	(80°-90°)	22.5	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7
2.5°	330.6	333.7	354.0	374.4	375.4	375.4	376.4	377.4	380.5	382.5	384.6
5°	308.3	310.3	310.3	310.3	311.3	312.3	313.4	313.4	315.4	316.4	318.4
7.5°	258.4	278.8	285.9	292.0	296.1	299.1	301.1	303.2	305.2	307.2	309.3
10°	294.0	294.0	295.0	295.0	295.0	294.0	273.7	252.3	262.5	272.7	257.4
12.5°	242.1	246.2	264.5	281.8	286.9	291.0	280.8	269.6	251.3	233.0	230.9
15°	287.9	287.9	287.9	286.9	268.6	249.3	229.9	209.6	221.8	234.0	215.7
17.5°	249.3	249.3	264.5	278.8	277.7	275.7	258.4	240.1	211.6	182.1	205.5
20°	314.4	313.4	308.3	302.2	264.5	226.9	235.0	243.2	245.2	246.2	239.1
22.5°	280.8	281.8	287.9	294.0	295.0	296.1	252.3	207.5	233.0	258.4	234.0
25°	390.7	388.6	379.5	369.3	327.6	284.9	293.0	301.1	259.4	216.7	243.2
27.5°	371.3	365.2	361.2	357.1	364.2	371.3	332.7	293.0	302.2	311.3	277.7
30°	531.1	531.1	520.9	509.7	446.6	382.5	372.4	362.2	337.8	312.3	318.4
32.5°	672.5	672.5	634.8	596.2	558.5	520.9	471.0	421.2	411.0	399.8	389.7
35°	846.5	841.4	820.0	797.6	716.2	634.8	570.7	506.7	486.3	466.0	455.8
37.5°	1009.2	998.0	968.5	938.0	852.6	766.1	681.6	597.2	574.8	552.4	530.1
40°	1143.5	1137.4	1117.1	1095.7	999.1	902.4	806.8	710.1	680.6	651.1	618.6
42.5°	1266.6	1261.5	1243.2	1223.9	1128.3	1031.6	941.1	849.5	805.8	762.0	723.4
45°	1357.2	1349.0	1336.8	1323.6	1247.3	1170.0	1078.4	985.8	968.5	951.2	876.0
47.5°	1385.7	1371.4	1369.4	1367.3	1306.3	1245.3	1172.0	1098.8	1101.8	1104.9	1017.4
50°	1343.9	1322.6	1331.7	1340.9	1316.5	1291.0	1234.1	1177.1	1202.5	1226.9	1157.8
52.5°	1192.4	1187.3	1210.7	1233.1	1239.2	1245.3	1233.1	1219.8	1266.6	1313.4	1288.0
55°	983.8	1006.2	1038.7	1071.3	1096.7	1121.1	1156.8	1192.4	1272.7	1353.1	1371.4
57.5°	775.2	798.6	836.3	873.9	903.4	932.9	1006.2	1079.4	1200.5	1321.6	1404.0
60°	521.9	546.3	608.4	669.4	711.1	752.9	819.0	885.1	1037.7	1190.3	1357.2
62.5°	347.9	339.8	391.7	442.6	509.7	576.8	606.4	634.8	794.6	953.3	1222.9
65°	213.6	214.7	235.0	254.3	328.6	401.9	425.3	447.6	538.2	628.7	996.0
67.5°	143.4	146.5	155.7	164.8	200.4	236.0	276.7	317.4	338.8	359.1	726.4
70°	127.2	128.2	132.3	136.3	146.5	156.7	194.3	232.0	219.8	206.5	412.0
72.5°	111.9	112.9	120.0	126.2	131.2	136.3	158.7	181.1	166.8	152.6	205.5
75°	91.6	94.6	101.7	107.8	118.0	127.2	132.3	137.3	130.2	122.1	132.3
77.5°	75.3	77.3	82.4	87.5	97.7	106.8	111.9	117.0	105.8	94.6	100.7
80°	59.0	60.0	64.1	68.2	76.3	83.4	89.5	94.6	84.4	73.3	76.3
82.5°	35.6	36.6	42.7	47.8	54.9	61.0	65.1	68.2	71.2	73.3	64.1
85°	19.3	19.3	23.4	27.5	28.5	29.5	33.6	36.6	45.8	53.9	46.8
87.5°	3.1	3.1	4.1	4.1	6.1	7.1	8.1	8.1	9.2	9.2	10.2
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7
2.5°	385.6	386.6	386.6	386.6	387.6	388.6	389.7	389.7	390.7	391.7	392.7
5°	320.5	346.9	372.4	376.4	379.5	381.5	383.5	384.6	386.6	388.6	389.7
7.5°	311.3	311.3	311.3	304.2	330.6	333.7	336.7	338.8	340.8	338.8	335.7
10°	241.1	241.1	240.1	242.1	253.3	272.7	291.0	293.0	295.0	278.8	261.5
12.5°	227.9	230.9	234.0	228.9	208.6	225.9	243.2	246.2	247.2	233.0	217.7
15°	196.4	197.4	198.4	205.5	247.2	264.5	281.8	284.9	287.9	272.7	256.4
17.5°	227.9	220.8	212.6	232.0	215.7	226.9	237.0	212.6	235.0	230.9	226.9
20°	232.0	207.5	182.1	216.7	253.3	270.6	286.9	288.9	290.0	277.7	264.5
22.5°	209.6	233.0	256.4	233.0	218.7	216.7	214.7	213.6	214.7	221.8	227.9
25°	269.6	240.1	210.6	264.5	298.1	306.2	314.4	310.3	308.3	293.0	277.7
27.5°	244.2	267.6	290.0	312.3	322.5	333.7	343.9	346.9	330.6	314.4	298.1
30°	323.5	337.8	351.0	396.8	430.3	440.5	450.7	440.5	434.4	414.1	392.7
32.5°	378.5	406.9	435.4	434.4	466.0	474.1	481.2	468.0	456.8	434.4	411.0
35°	445.6	463.9	482.2	492.4	523.9	527.0	530.1	512.8	496.5	470.0	443.6
37.5°	507.7	531.1	553.4	578.9	606.4	600.2	593.1	571.8	545.3	525.0	504.6
40°	585.0	613.5	642.0	674.5	690.8	681.6	671.5	638.9	613.5	592.1	570.7
42.5°	683.7	714.2	743.7	772.2	778.3	768.1	756.9	721.3	682.7	661.3	638.9
45°	799.7	824.1	848.5	878.0	890.2	871.9	852.6	807.8	762.0	731.5	701.0
47.5°	928.9	940.1	951.2	1002.1	1018.4	987.9	956.3	907.5	843.4	803.7	763.0
50°	1088.6	1085.5	1081.5	1126.2	1163.9	1113.0	1061.1	1004.1	941.1	885.1	828.1
52.5°	1262.6	1233.1	1202.5	1262.6	1280.9	1219.8	1158.8	1097.7	1034.7	962.4	889.2
55°	1389.7	1373.5	1357.2	1399.9	1397.9	1326.7	1254.4	1182.2	1130.3	1033.6	937.0
57.5°	1485.4	1499.6	1512.8	1555.6	1506.7	1425.3	1343.9	1271.7	1226.9	1105.9	984.8
60°	1523.0	1596.3	1668.5	1693.9	1619.7	1528.1	1435.5	1364.3	1326.7	1180.2	1033.6
62.5°	1492.5	1654.2	1816.0	1821.1	1723.4	1620.7	1517.9	1459.9	1440.6	1260.5	1079.4
65°	1363.3	1629.8	1895.4	1913.7	1803.8	1696.0	1587.1	1544.4	1556.6	1335.8	1114.0
67.5°	1092.7	1481.3	1868.9	1928.9	1823.1	1709.2	1595.2	1580.0	1625.8	1372.4	1119.1
70°	617.5	1138.4	1658.3	1825.2	1769.2	1656.3	1542.3	1549.5	1617.6	1352.1	1086.6
72.5°	257.4	787.4	1317.5	1579.0	1627.8	1532.2	1435.5	1462.0	1508.8	1256.5	1003.1
75°	142.4	502.6	862.7	1210.7	1361.2	1335.8	1309.4	1338.9	1316.5	1072.3	828.1
77.5°	105.8	271.6	437.5	810.8	1024.5	1082.5	1139.5	1153.7	1028.6	783.4	538.2
80°	79.4	129.2	178.0	414.1	549.4	653.2	756.9	692.8	605.3	423.2	241.1
82.5°	54.9	74.3	93.6	133.3	213.6	246.2	277.7	264.5	198.4	139.4	79.4
85°	38.7	48.8	59.0	73.3	91.6	73.3	54.9	44.8	51.9	47.8	43.7
87.5°	10.2	10.2	9.2	10.2	7.1	6.1	5.1	4.1	4.1	4.1	4.1
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°	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7	393.7
2.5°	393.7	394.7	394.7	394.7	394.7	393.7	388.6	383.5	371.3	359.1	355.1
5°	376.4	363.2	353.0	342.9	342.9	342.9	344.9	346.9	347.9	349.0	350.0
7.5°	335.7	334.7	338.8	342.9	345.9	349.0	351.0	353.0	349.0	344.9	335.7
10°	262.5	262.5	267.6	271.6	278.8	285.9	306.2	326.6	343.9	361.2	364.2
12.5°	238.1	257.4	246.2	234.0	259.4	284.9	307.2	328.6	345.9	362.2	349.0
15°	239.1	220.8	224.8	228.9	256.4	283.8	263.5	242.1	282.8	322.5	331.7
17.5°	227.9	228.9	247.2	265.5	238.1	209.6	245.2	280.8	296.1	310.3	297.1
20°	234.0	202.5	223.8	245.2	264.5	282.8	264.5	245.2	250.3	255.4	290.0
22.5°	247.2	266.6	248.2	229.9	252.3	273.7	264.5	255.4	271.6	286.9	272.7
25°	246.2	213.6	244.2	274.7	254.3	233.0	244.2	255.4	247.2	238.1	264.5
27.5°	283.8	269.6	261.5	252.3	263.5	274.7	251.3	227.9	227.9	227.9	224.8
30°	355.1	317.4	301.1	283.8	256.4	228.9	220.8	212.6	213.6	214.7	229.9
32.5°	396.8	382.5	333.7	284.9	259.4	234.0	212.6	191.3	193.3	195.3	214.7
35°	433.4	422.2	357.1	291.0	249.3	206.5	188.2	168.9	178.0	186.2	202.5
37.5°	475.1	444.6	356.1	266.6	221.8	177.0	165.8	154.6	160.7	165.8	176.0
40°	512.8	453.7	346.9	239.1	194.3	148.5	143.4	137.3	142.4	147.5	153.6
42.5°	553.4	467.0	333.7	199.4	163.8	128.2	126.2	124.1	129.2	134.3	138.4
45°	585.0	469.0	316.4	162.8	139.4	116.0	116.0	115.0	120.0	124.1	126.2
47.5°	605.3	446.6	288.9	130.2	120.0	109.9	110.9	110.9	115.0	118.0	119.0
50°	619.6	410.0	262.5	115.0	109.9	104.8	104.8	104.8	108.9	111.9	113.9
52.5°	629.8	369.3	238.1	105.8	103.8	100.7	100.7	99.7	104.8	109.9	110.9
55°	632.8	327.6	213.6	98.7	96.7	94.6	96.7	97.7	103.8	108.9	109.9
57.5°	639.9	295.0	193.3	91.6	90.5	89.5	92.6	95.6	101.7	107.8	107.8
60°	654.2	273.7	179.1	84.4	84.4	84.4	89.5	93.6	99.7	105.8	104.8
62.5°	667.4	254.3	165.8	77.3	78.3	79.4	85.5	91.6	97.7	103.8	102.8
65°	669.4	223.8	147.5	71.2	73.3	74.3	81.4	88.5	94.6	100.7	98.7
67.5°	647.0	175.0	120.0	65.1	68.2	70.2	78.3	85.5	91.6	96.7	94.6
70°	606.4	125.1	92.6	60.0	63.1	65.1	73.3	80.4	85.5	90.5	88.5
72.5°	546.3	89.5	72.2	54.9	57.0	59.0	66.1	73.3	79.4	84.4	82.4
75°	450.7	72.2	61.0	49.9	51.9	52.9	60.0	66.1	72.2	77.3	74.3
77.5°	299.1	59.0	51.9	44.8	45.8	46.8	52.9	58.0	63.1	67.1	65.1
80°	144.5	47.8	43.7	38.7	39.7	39.7	44.8	49.9	53.9	57.0	56.0
82.5°	59.0	37.6	34.6	31.5	31.5	31.5	36.6	40.7	44.8	47.8	45.8
85°	36.6	29.5	27.5	24.4	23.4	22.4	24.4	26.5	28.5	29.5	28.5
87.5°	5.1	5.1	6.1	7.1	6.1	4.1	6.1	8.1	8.1	7.1	6.1
90°	0.0	0.0	3.1	3.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	393.7	393.7	393.7	393.7
2.5°	351.0	351.0	351.0	353.0
5°	350.0	350.0	350.0	352.0
7.5°	326.6	316.4	306.2	307.2
10°	366.3	367.3	367.3	368.3
12.5°	334.7	318.4	302.2	304.2
15°	340.8	340.8	339.8	340.8
17.5°	283.8	278.8	273.7	273.7
20°	324.5	324.5	324.5	324.5
22.5°	258.4	257.4	256.4	257.4
25°	291.0	292.0	292.0	291.0
27.5°	221.8	235.0	247.2	248.2
30°	244.2	244.2	244.2	244.2
32.5°	234.0	244.2	254.3	255.4
35°	217.7	216.7	215.7	218.7
37.5°	185.2	183.1	181.1	181.1
40°	159.7	155.7	151.6	151.6
42.5°	141.4	138.4	134.3	133.3
45°	128.2	125.1	121.1	121.1
47.5°	119.0	117.0	115.0	113.9
50°	115.0	112.9	110.9	110.9
52.5°	111.9	110.9	108.9	108.9
55°	109.9	108.9	106.8	106.8
57.5°	107.8	106.8	104.8	104.8
60°	103.8	102.8	101.7	101.7
62.5°	100.7	99.7	98.7	98.7
65°	96.7	96.7	95.6	94.6
67.5°	91.6	91.6	91.6	89.5
70°	85.5	85.5	85.5	83.4
72.5°	79.4	79.4	78.3	75.3
75°	71.2	70.2	69.2	67.1
77.5°	63.1	61.0	59.0	58.0
80°	53.9	51.9	49.9	47.8
82.5°	42.7	41.7	39.7	34.6
85°	26.5	23.4	19.3	17.3
87.5°	5.1	4.1	3.1	1.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)