

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: P560303

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560303
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-4)
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
Description: Springdale
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3009.6 lumens
Efficiency: N/A
Efficacy: 100.0 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: B1 - U0 - G1

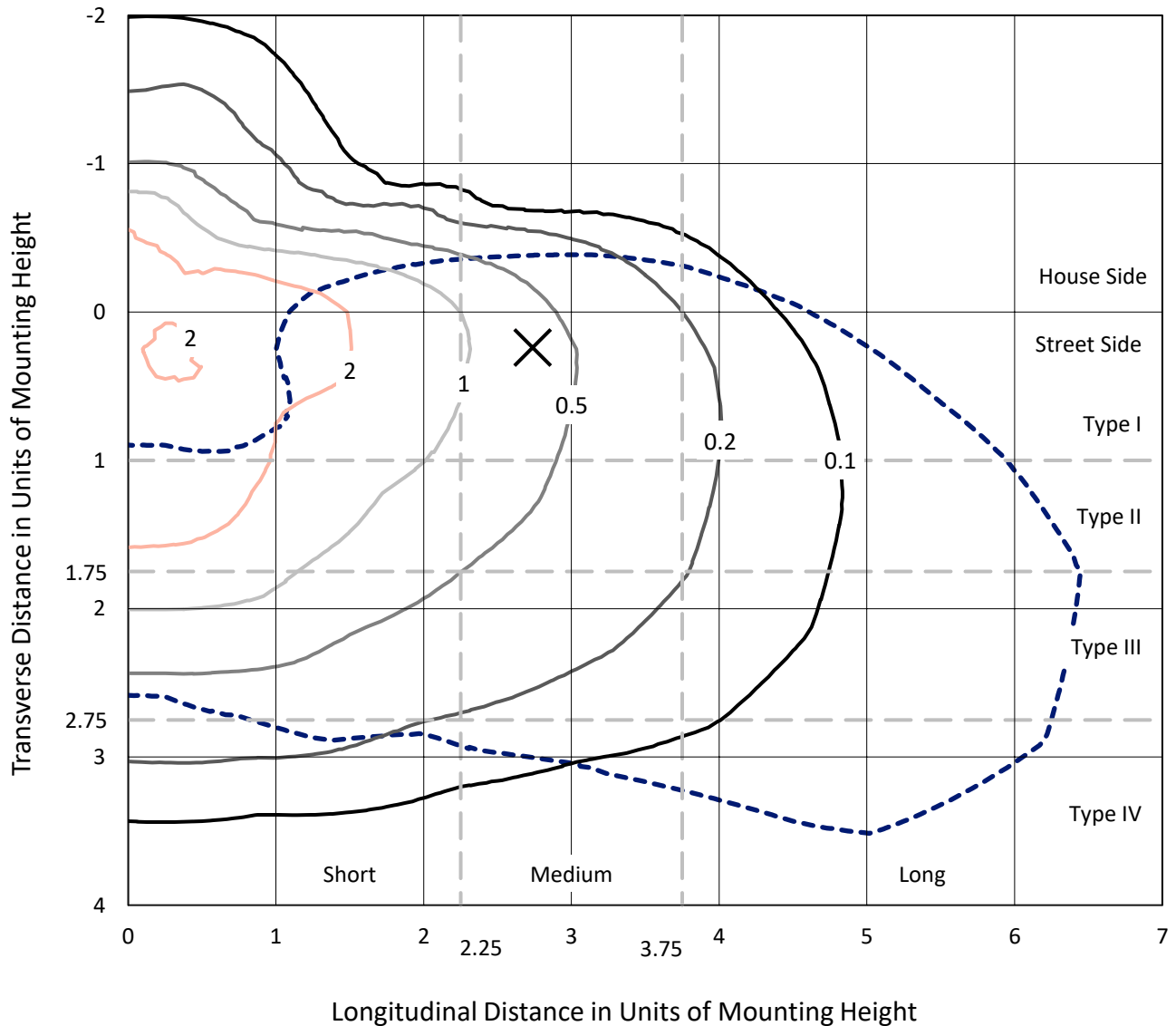
Input Watts (W): 30.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

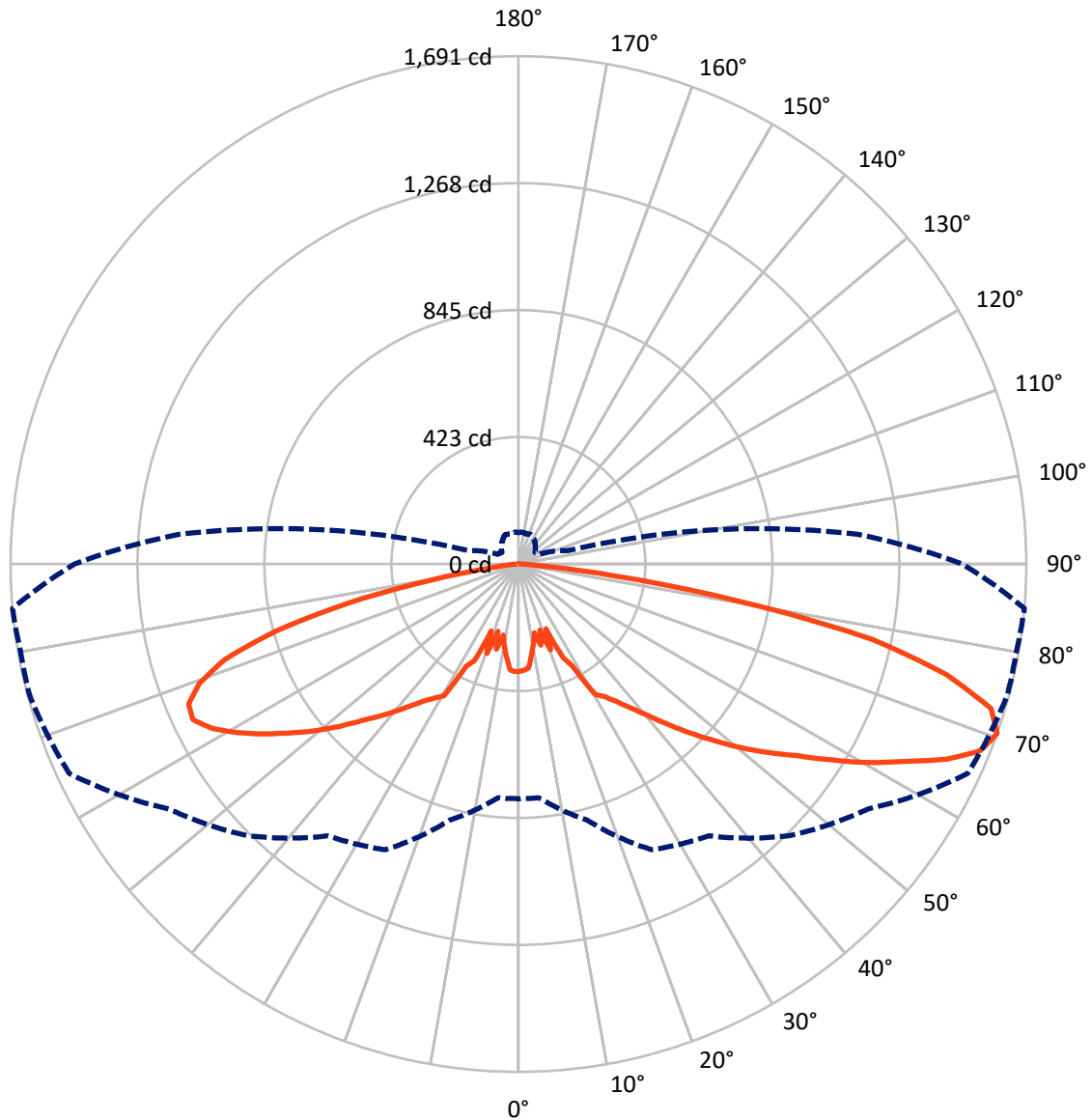
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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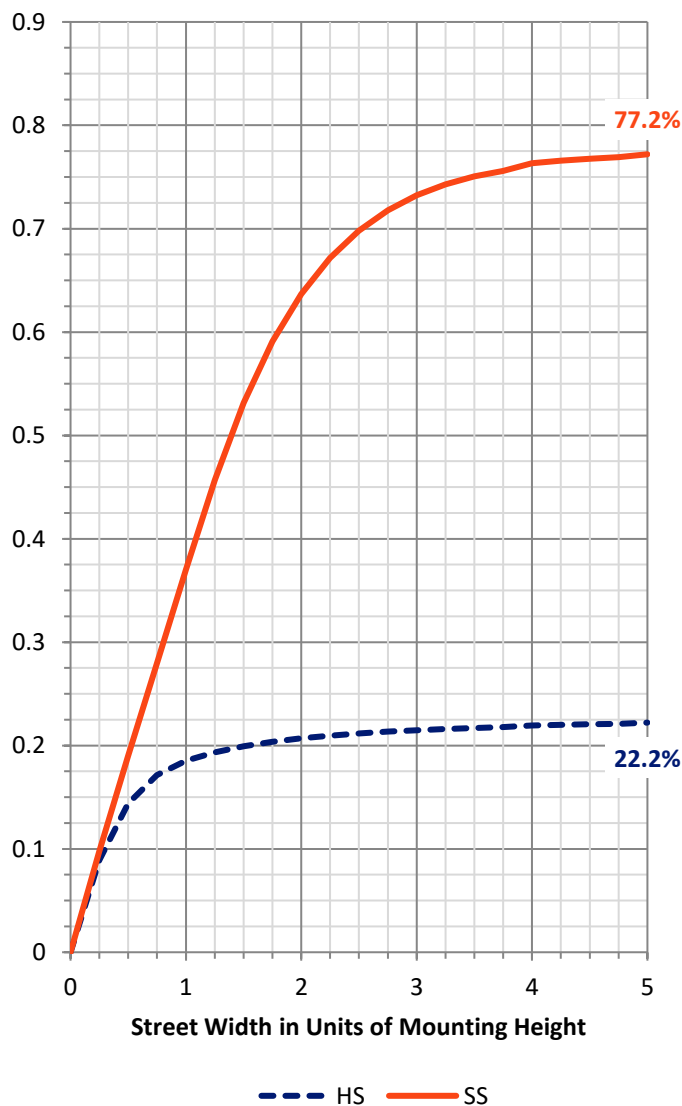
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	680.5	0.0	680.5
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	2329.1	0.0	2329.1
	% Fixture	77.4	0.0	77.4
Total	Lumens	3009.6	0.0	3009.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.0	1.0
10°-20°	72.7	2.4
20°-30°	132.8	4.4
30°-40°	250.8	8.3
40°-50°	408.6	13.6
50°-60°	630.3	20.9
60°-70°	772.6	25.7
70°-80°	605.0	20.1
80°-90°	107.7	3.6
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°	3009.6	100.0
0°-180°	3009.6	100.0

Coefficient of Utilization



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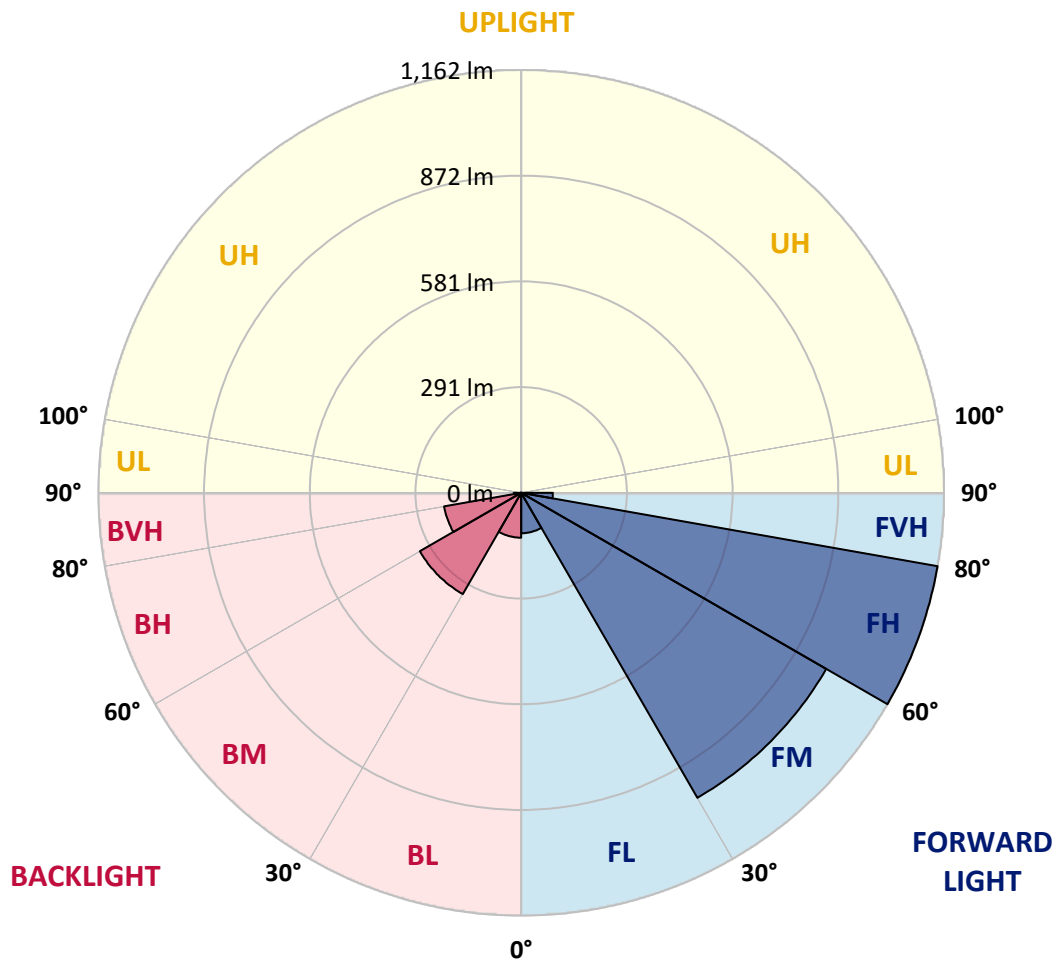
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	111.1	3.7			
FM (30°-60°)	968.3	32.2			
FH (60°-80°)	1162.5	38.6			G1/1800
FVH (80°-90°)	87.3	2.9			G1/100
BL (0°-30°)	123.4	4.1	B1/500		
BM (30°-60°)	321.4	10.7	B1/1000		
BH (60°-80°)	215.1	7.1	B1/500		G1/500
BVH (80°-90°)	20.5	0.7			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	357.5	357.5	357.5	357.5	357.5	357.5	357.5	357.5	357.5	357.5	357.5
2.5°	294.8	321.2	321.2	321.2	326.7	331.1	333.3	334.4	338.8	342.1	344.3
5°	275.0	276.1	276.1	276.1	277.2	278.3	279.4	280.5	282.7	283.8	287.1
7.5°	231.0	235.4	244.2	251.9	257.4	262.9	267.3	270.6	272.8	275.0	276.1
10°	257.4	257.4	257.4	257.4	257.4	257.4	244.2	231.0	232.1	232.1	225.5
12.5°	215.6	222.2	232.1	240.9	248.6	255.2	246.4	237.6	221.1	204.6	204.6
15°	249.7	249.7	248.6	247.5	233.2	218.9	205.7	192.5	201.3	210.1	194.7
17.5°	214.5	215.6	228.8	240.9	238.7	235.4	223.3	210.1	189.2	167.2	189.2
20°	275.0	271.7	265.1	258.5	227.7	196.9	202.4	207.9	213.4	217.8	217.8
22.5°	253.0	255.2	259.6	264.0	260.7	256.3	224.4	192.5	211.2	229.9	213.4
25°	346.5	346.5	333.3	320.1	287.1	253.0	258.5	262.9	231.0	198.0	225.5
27.5°	320.1	317.9	312.4	305.8	312.4	317.9	289.3	259.6	268.4	277.2	254.1
30°	425.7	425.7	420.2	414.7	367.4	319.0	315.7	311.3	292.6	272.8	286.0
32.5°	510.4	509.3	484.0	458.7	432.3	404.8	376.2	346.5	344.3	342.1	339.9
35°	611.6	611.6	597.3	583.0	524.7	465.3	431.2	397.1	387.2	377.3	385.0
37.5°	668.8	676.5	671.0	664.4	600.6	535.7	488.4	440.0	430.1	420.2	423.5
40°	748.0	745.8	744.7	742.5	668.8	595.1	544.5	492.8	486.2	479.6	479.6
42.5°	867.9	855.8	842.6	828.3	753.5	678.7	622.6	565.4	553.3	540.1	541.2
45°	1032.9	1019.7	988.9	957.0	881.1	805.2	730.4	655.6	634.7	612.7	610.5
47.5°	1134.1	1119.8	1104.4	1087.9	1006.5	925.1	848.1	770.0	739.2	708.4	696.3
50°	1238.6	1225.4	1213.3	1201.2	1129.7	1058.2	981.2	904.2	855.8	807.4	786.5
52.5°	1337.6	1313.4	1301.3	1289.2	1228.7	1167.1	1086.8	1006.5	970.2	933.9	888.8
55°	1386.0	1356.3	1351.9	1346.4	1301.3	1255.1	1178.1	1101.1	1060.4	1018.6	973.5
57.5°	1317.8	1320.0	1344.2	1368.4	1343.1	1317.8	1245.2	1172.6	1131.9	1091.2	1057.1
60°	1256.2	1272.7	1302.4	1332.1	1334.3	1335.4	1296.9	1258.4	1213.3	1168.2	1141.8
62.5°	1171.5	1183.6	1229.8	1274.9	1309.0	1342.0	1302.4	1262.8	1247.4	1230.9	1214.4
65°	1057.1	1060.4	1113.2	1164.9	1226.5	1287.0	1256.2	1225.4	1251.8	1277.1	1279.3
67.5°	917.4	927.3	979.0	1030.7	1105.5	1179.2	1178.1	1177.0	1233.1	1288.1	1326.6
70°	781.0	781.0	831.6	882.2	965.8	1049.4	1076.9	1104.4	1191.3	1278.2	1349.7
72.5°	588.5	616.0	642.4	668.8	762.3	854.7	915.2	975.7	1105.5	1234.2	1343.1
75°	324.5	326.7	349.8	372.9	466.4	559.9	651.2	742.5	916.3	1090.1	1261.7
77.5°	106.7	103.4	116.6	128.7	183.7	237.6	314.6	391.6	583.0	774.4	1050.5
80°	59.4	60.5	64.9	69.3	86.9	103.4	140.8	178.2	259.6	339.9	667.7
82.5°	39.6	40.7	45.1	49.5	57.2	64.9	85.8	105.6	113.3	119.9	301.4
85°	25.3	26.4	28.6	30.8	33.0	34.1	48.4	62.7	57.2	51.7	90.2
87.5°	5.5	5.5	6.6	6.6	7.7	8.8	11.0	13.2	12.1	9.9	13.2
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°	357.5	357.5	357.5	357.5	357.5	357.5	357.5	357.5	357.5	357.5	357.5
2.5°	345.4	347.6	348.7	349.8	350.9	353.1	354.2	355.3	357.5	358.6	358.6
5°	290.4	310.2	328.9	335.5	342.1	345.4	347.6	350.9	353.1	355.3	357.5
7.5°	277.2	278.3	279.4	287.1	294.8	301.4	308.0	310.2	315.7	312.4	308.0
10°	217.8	218.9	218.9	226.6	234.3	257.4	272.8	276.1	279.4	266.2	251.9
12.5°	203.5	209.0	214.5	211.2	207.9	224.4	235.4	239.8	242.0	233.2	224.4
15°	178.2	183.7	188.1	213.4	238.7	260.7	280.5	286.0	292.6	278.3	262.9
17.5°	211.2	209.0	205.7	210.1	214.5	220.0	231.0	234.3	234.3	238.7	243.1
20°	217.8	193.6	169.4	214.5	259.6	279.4	304.7	313.5	315.7	303.6	291.5
22.5°	195.8	223.3	250.8	245.3	239.8	234.3	234.3	237.6	240.9	243.1	245.3
25°	251.9	228.8	205.7	258.5	311.3	332.2	344.3	349.8	354.2	338.8	322.3
27.5°	231.0	261.8	291.5	314.6	337.7	360.8	386.1	410.3	380.6	366.3	352.0
30°	298.1	323.4	348.7	403.7	458.7	488.4	503.8	503.8	503.8	482.9	460.9
32.5°	337.7	381.7	425.7	455.4	484.0	513.7	525.8	525.8	525.8	500.5	474.1
35°	391.6	426.8	462.0	496.1	530.2	553.3	562.1	558.8	552.2	518.1	484.0
37.5°	426.8	474.1	521.4	556.6	590.7	605.0	608.3	598.4	588.5	543.4	497.2
40°	479.6	531.3	581.9	619.3	656.7	668.8	662.2	649.0	631.4	570.9	510.4
42.5°	541.2	592.9	644.6	688.6	731.5	739.2	729.3	708.4	677.6	595.1	511.5
45°	608.3	660.0	710.6	760.1	809.6	815.1	801.9	771.1	726.0	618.2	510.4
47.5°	683.1	723.8	764.5	834.9	905.3	898.7	878.9	843.7	784.3	645.7	506.0
50°	765.6	797.5	828.3	916.3	1004.3	984.5	962.5	924.0	845.9	677.6	508.2
52.5°	842.6	873.4	904.2	995.5	1085.7	1067.0	1042.8	1008.7	908.6	711.7	513.7
55°	928.4	961.4	994.4	1091.2	1188.0	1156.1	1125.3	1103.3	970.2	740.3	510.4
57.5°	1021.9	1063.7	1105.5	1194.6	1282.6	1248.5	1230.9	1202.3	1038.4	774.4	510.4
60°	1115.4	1166.0	1216.6	1294.7	1372.8	1345.3	1342.0	1302.4	1102.2	799.7	496.1
62.5°	1197.9	1273.8	1349.7	1411.3	1471.7	1445.3	1446.4	1400.3	1161.6	805.2	447.7
65°	1281.5	1379.4	1476.1	1521.2	1566.3	1547.6	1566.3	1483.8	1201.2	783.2	365.2
67.5°	1364.0	1471.7	1579.5	1613.6	1647.7	1636.7	1658.7	1511.3	1192.4	726.0	258.5
70°	1421.2	1535.5	1649.9	1667.5	1685.1	1682.9	1690.6	1477.2	1133.0	652.3	170.5
72.5°	1451.9	1559.7	1666.4	1674.1	1680.7	1677.4	1645.5	1370.6	1026.3	572.0	117.7
75°	1432.2	1536.6	1641.1	1625.7	1610.3	1579.5	1472.8	1180.3	841.5	464.2	86.9
77.5°	1326.6	1439.8	1553.1	1513.5	1472.8	1382.7	1203.4	884.4	585.2	326.7	67.1
80°	995.5	1135.2	1274.9	1227.6	1179.2	988.9	732.6	495.0	302.5	177.1	51.7
82.5°	481.8	559.9	638.0	625.9	613.8	454.3	316.8	178.2	86.9	63.8	40.7
85°	127.6	189.2	250.8	239.8	228.8	121.0	52.8	46.2	34.1	31.9	28.6
87.5°	15.4	17.6	18.7	13.2	6.6	5.5	5.5	3.3	3.3	4.4	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	357.5	357.5	357.5	357.5	357.5	357.5	357.5	357.5	357.5	357.5	357.5
2.5°	360.8	361.9	361.9	361.9	361.9	361.9	353.1	344.3	342.1	339.9	335.5
5°	347.6	336.6	328.9	321.2	321.2	320.1	323.4	326.7	328.9	330.0	331.1
7.5°	309.1	310.2	316.8	322.3	327.8	332.2	335.5	337.7	335.5	332.2	319.0
10°	253.0	254.1	259.6	264.0	271.7	278.3	297.0	314.6	335.5	356.4	361.9
12.5°	240.9	256.3	247.5	238.7	262.9	286.0	310.2	333.3	349.8	365.2	354.2
15°	245.3	227.7	231.0	234.3	264.0	293.7	276.1	257.4	301.4	345.4	355.3
17.5°	244.2	244.2	260.7	277.2	249.7	221.1	261.8	301.4	319.0	335.5	322.3
20°	260.7	228.8	240.9	251.9	273.9	294.8	277.2	259.6	266.2	272.8	315.7
22.5°	271.7	297.0	269.5	240.9	260.7	280.5	277.2	273.9	293.7	313.5	302.5
25°	283.8	244.2	264.0	282.7	260.7	237.6	255.2	271.7	266.2	260.7	294.8
27.5°	325.6	298.1	272.8	247.5	260.7	272.8	259.6	245.3	250.8	256.3	254.1
30°	393.8	325.6	293.7	261.8	245.3	227.7	228.8	229.9	236.5	243.1	261.8
32.5°	411.4	348.7	302.5	256.3	245.3	234.3	224.4	213.4	223.3	233.2	255.2
35°	415.8	346.5	297.0	247.5	229.9	212.3	205.7	199.1	215.6	232.1	251.9
37.5°	413.6	328.9	276.1	223.3	210.1	196.9	193.6	189.2	200.2	210.1	224.4
40°	408.1	305.8	253.0	200.2	189.2	178.2	176.0	173.8	181.5	189.2	198.0
42.5°	398.2	283.8	231.0	178.2	170.5	162.8	160.6	157.3	163.9	170.5	173.8
45°	386.1	261.8	212.3	161.7	156.2	149.6	146.3	141.9	148.5	154.0	155.1
47.5°	374.0	240.9	195.8	149.6	145.2	139.7	136.4	132.0	137.5	141.9	143.0
50°	364.1	218.9	178.2	137.5	133.1	128.7	125.4	122.1	127.6	132.0	132.0
52.5°	358.6	202.4	162.8	123.2	121.0	118.8	117.7	115.5	119.9	124.3	125.4
55°	345.4	179.3	145.2	110.0	111.1	111.1	110.0	107.8	116.6	124.3	127.6
57.5°	331.1	151.8	126.5	100.1	102.3	104.5	105.6	106.7	116.6	125.4	129.8
60°	312.4	128.7	110.0	91.3	94.6	96.8	102.3	106.7	115.5	124.3	126.5
62.5°	279.4	110.0	96.8	83.6	88.0	92.4	99.0	105.6	112.2	118.8	118.8
65°	231.0	95.7	86.9	77.0	83.6	89.1	96.8	104.5	110.0	114.4	113.3
67.5°	172.7	85.8	79.2	71.5	79.2	85.8	92.4	99.0	105.6	112.2	110.0
70°	124.3	77.0	72.6	67.1	73.7	80.3	86.9	93.5	100.1	106.7	105.6
72.5°	94.6	70.4	66.0	61.6	68.2	73.7	81.4	89.1	95.7	102.3	100.1
75°	75.9	63.8	60.5	56.1	62.7	69.3	77.0	83.6	90.2	96.8	94.6
77.5°	62.7	57.2	53.9	50.6	56.1	61.6	69.3	77.0	83.6	89.1	86.9
80°	50.6	48.4	46.2	42.9	49.5	55.0	62.7	69.3	74.8	80.3	77.0
82.5°	39.6	38.5	37.4	35.2	40.7	46.2	53.9	61.6	66.0	70.4	68.2
85°	29.7	29.7	28.6	27.5	31.9	35.2	39.6	42.9	47.3	50.6	48.4
87.5°	4.4	4.4	6.6	7.7	7.7	7.7	11.0	14.3	14.3	13.2	11.0
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):

	165°	170°	175°	180°
0°	357.5	357.5	357.5	357.5
2.5°	331.1	331.1	331.1	332.2
5°	332.2	333.3	333.3	335.5
7.5°	304.7	303.6	302.5	302.5
10°	366.3	368.5	369.6	371.8
12.5°	342.1	328.9	315.7	315.7
15°	365.2	367.4	368.5	370.7
17.5°	309.1	308.0	306.9	304.7
20°	357.5	359.7	360.8	360.8
22.5°	291.5	291.5	290.4	290.4
25°	328.9	328.9	328.9	331.1
27.5°	250.8	258.5	266.2	276.1
30°	280.5	281.6	282.7	282.7
32.5°	277.2	291.5	305.8	308.0
35°	271.7	271.7	270.6	271.7
37.5°	238.7	235.4	231.0	233.2
40°	205.7	198.0	190.3	189.2
42.5°	177.1	170.5	162.8	162.8
45°	156.2	151.8	146.3	144.1
47.5°	143.0	138.6	134.2	133.1
50°	130.9	126.5	122.1	122.1
52.5°	126.5	123.2	118.8	117.7
55°	130.9	124.3	117.7	115.5
57.5°	133.1	125.4	117.7	114.4
60°	127.6	123.2	117.7	113.3
62.5°	117.7	115.5	113.3	111.1
65°	111.1	111.1	110.0	107.8
67.5°	107.8	108.9	108.9	106.7
70°	103.4	105.6	106.7	104.5
72.5°	97.9	99.0	99.0	95.7
75°	91.3	90.2	89.1	86.9
77.5°	83.6	82.5	80.3	78.1
80°	73.7	72.6	71.5	68.2
82.5°	64.9	67.1	68.2	56.1
85°	45.1	40.7	36.3	29.7
87.5°	8.8	6.6	3.3	3.3
90°	0.0	0.0	0.0	0.0

(END OF REPORT)