

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: P560170

Luminaire Tested: **SDL-PA1-30-727-U-T3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560170
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-PA1-30-727-U-T3-HSS
Description: Springdale
(1) 70 CRI, 2700K, 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: 2357.3 lumens
Efficiency: N/A
Efficacy: 78.3 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

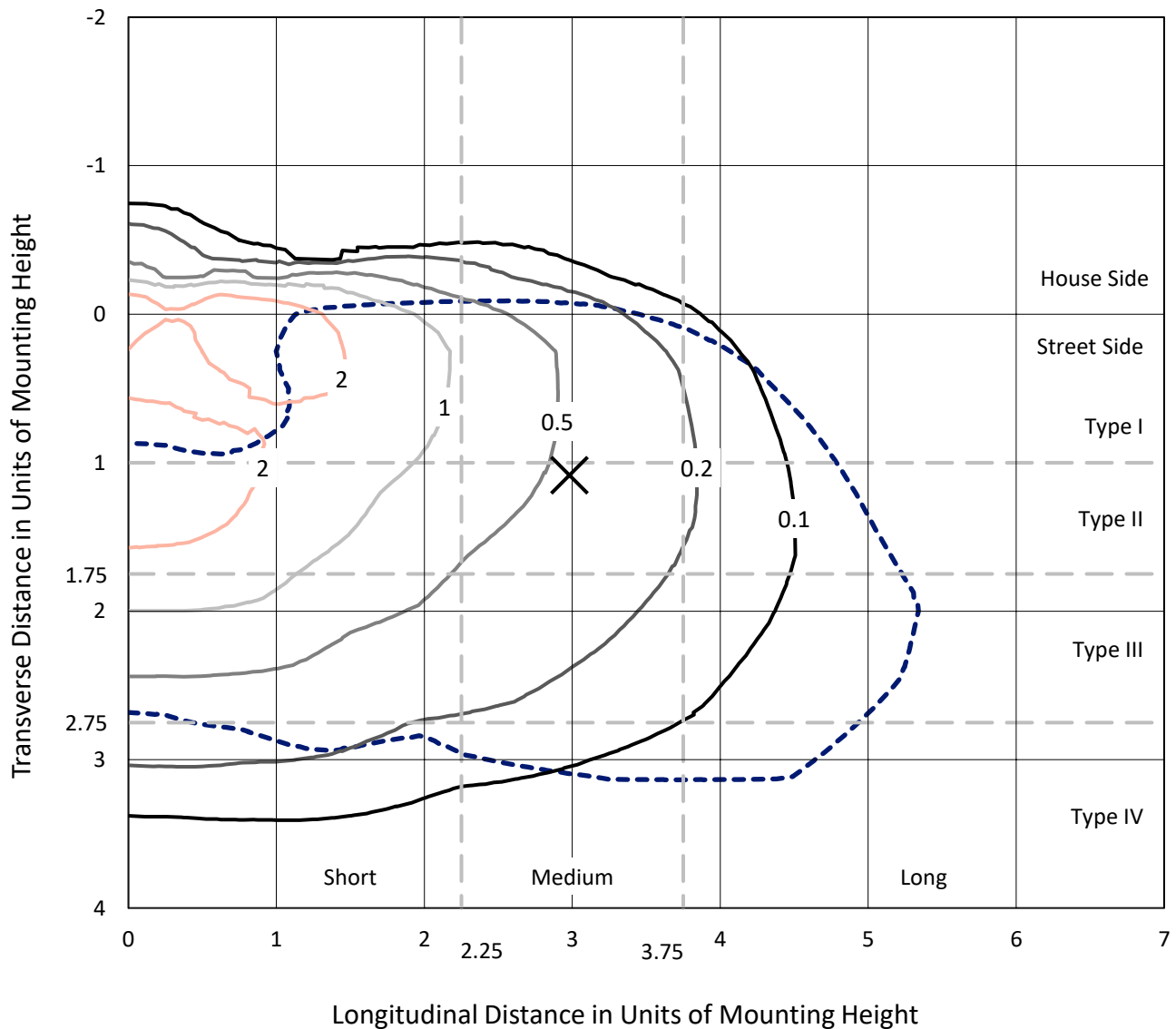


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

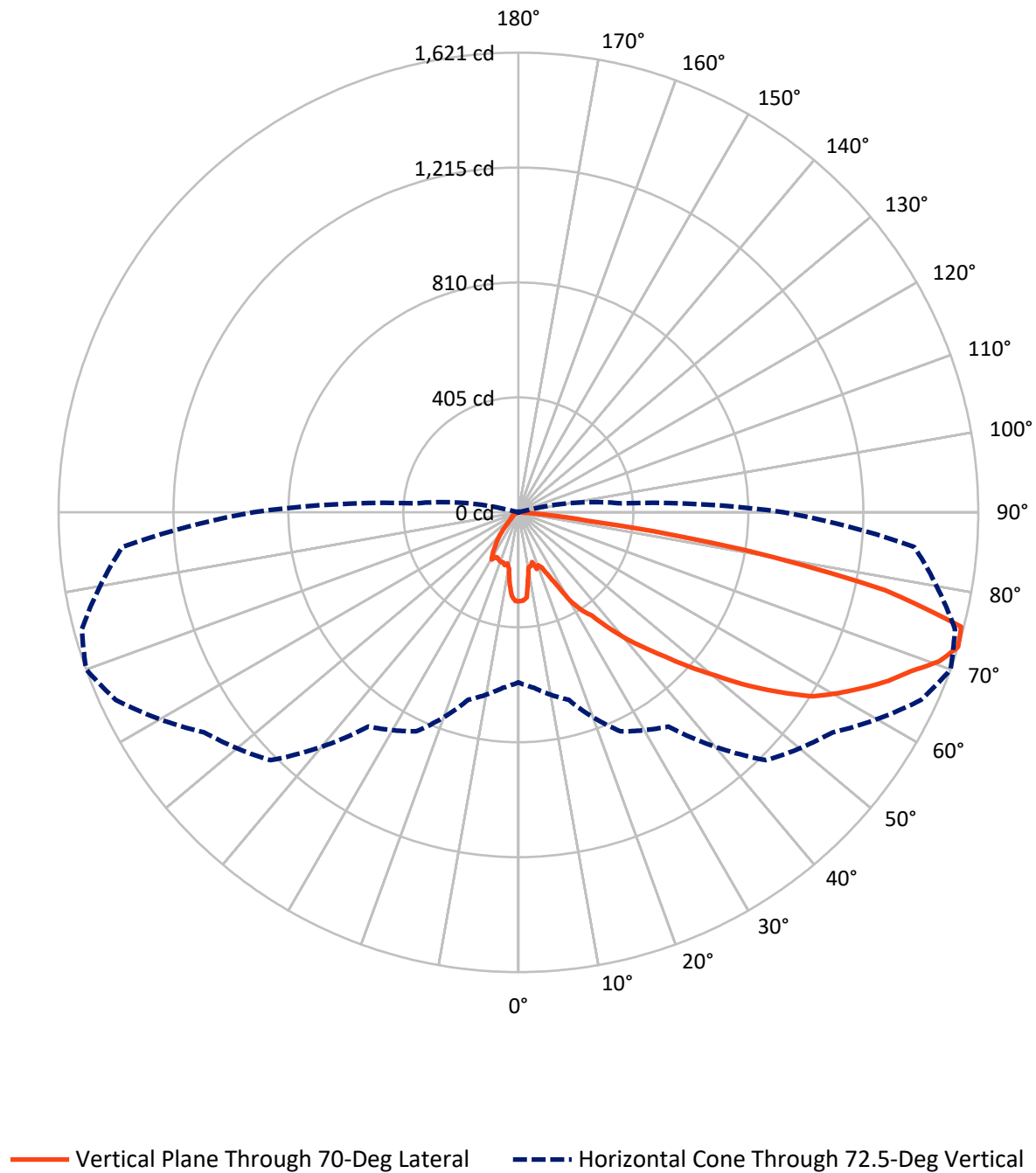


Based on 10 foot mounting height. Maximum calculated value = 3.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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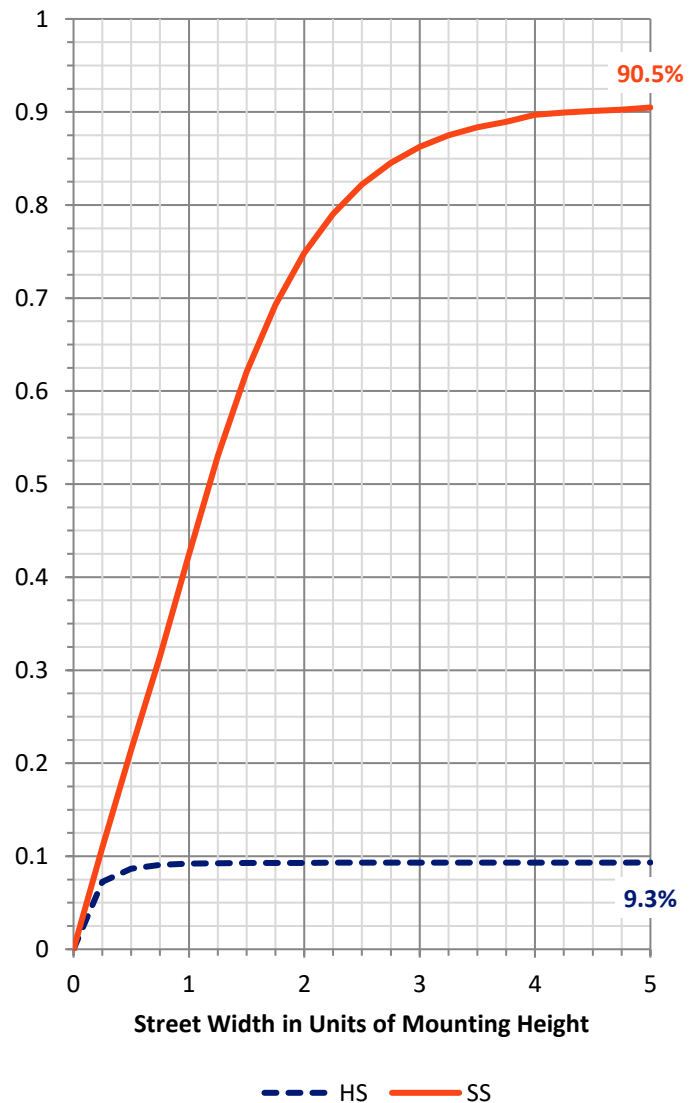
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	222.3	0.0	222.3
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	2135.1	0.0	2135.1
	% Fixture	90.6	0.0	90.6
Total	Lumens	2357.3	0.0	2357.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.1	1.0
10°-20°	48.3	2.0
20°-30°	78.7	3.3
30°-40°	167.8	7.1
40°-50°	323.4	13.7
50°-60°	534.8	22.7
60°-70°	654.6	27.8
70°-80°	479.6	20.3
80°-90°	46.1	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°	2357.3	100.0
0°-180°	2357.3	100.0

Coefficient of Utilization



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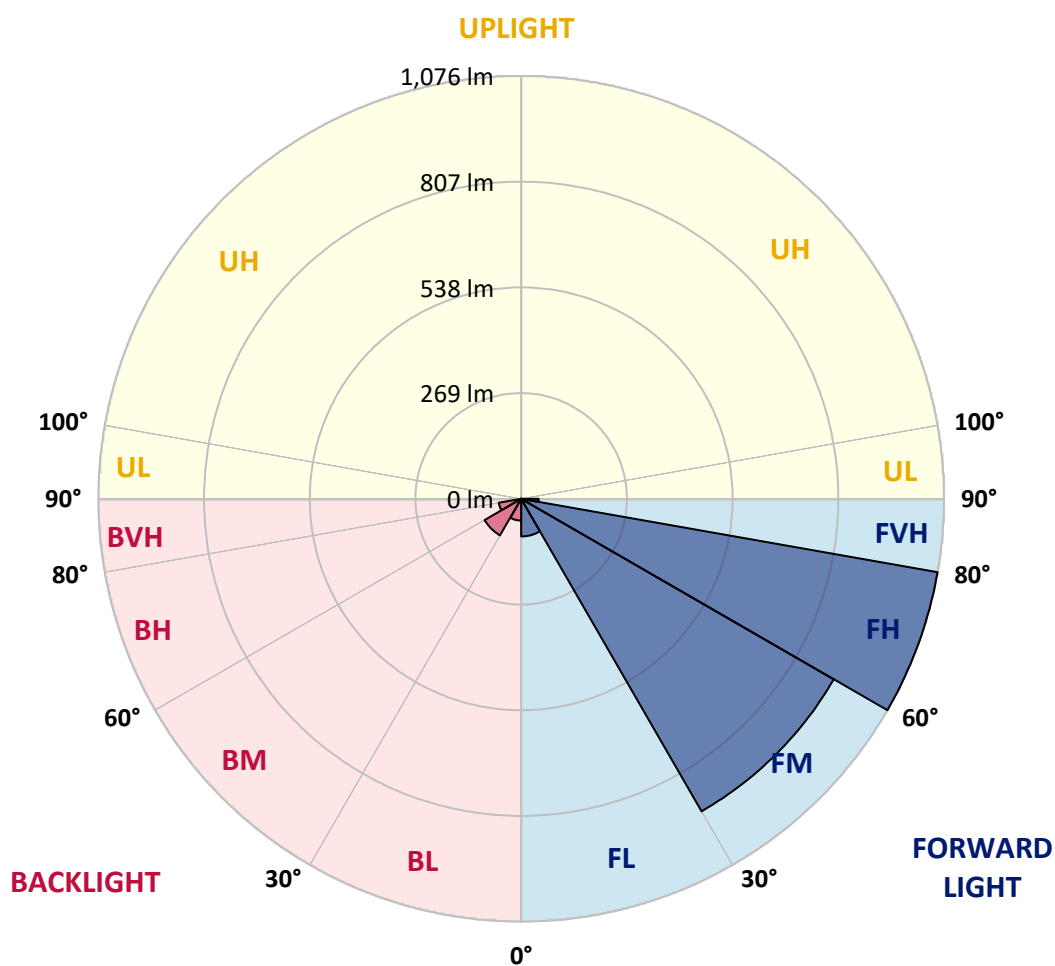
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	95.7	4.1			
FM	(30°-60°)	918.6	39.0			
FH	(60°-80°)	1076.3	45.7			G1/1800
FVH	(80°-90°)	44.4	1.9			G1/100
BL	(0°-30°)	55.3	2.3	B0/110		
BM	(30°-60°)	107.4	4.6	B0/220		
BH	(60°-80°)	57.9	2.5	B0/110		G0/110
BVH	(80°-90°)	1.6	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°	313.7	313.7	313.7	313.7	313.7	313.7	313.7	313.7	313.7	313.7	313.7
2.5°	279.0	287.1	291.7	296.3	295.2	294.0	296.3	298.7	303.3	306.8	309.1
5°	251.2	251.2	251.2	251.2	252.4	252.4	252.4	252.4	253.5	254.7	255.8
7.5°	217.6	222.3	224.6	226.9	232.7	237.3	241.9	246.6	248.9	250.0	251.2
10°	236.1	236.1	236.1	236.1	237.3	237.3	222.3	206.1	207.2	208.4	201.4
12.5°	195.6	194.5	207.2	218.8	226.9	233.8	225.7	216.5	202.6	187.5	185.2
15°	230.4	230.4	230.4	230.4	214.2	197.9	186.4	174.8	184.1	192.2	173.6
17.5°	181.7	186.4	200.3	214.2	214.2	214.2	203.7	193.3	173.6	152.8	174.8
20°	225.7	225.7	225.7	224.6	197.9	171.3	180.6	188.7	196.8	204.9	201.4
22.5°	187.5	185.2	188.7	192.2	200.3	207.2	184.1	159.7	186.4	211.8	199.1
25°	237.3	237.3	238.5	238.5	213.0	187.5	202.6	216.5	196.8	177.1	208.4
27.5°	214.2	207.2	206.1	203.7	211.8	218.8	208.4	197.9	219.9	241.9	231.5
30°	297.5	297.5	289.4	281.3	250.0	217.6	221.1	223.4	223.4	223.4	246.6
32.5°	413.3	414.4	383.2	350.8	323.0	294.0	268.6	241.9	255.8	269.7	284.8
35°	556.8	560.3	538.3	515.1	446.8	378.5	335.7	292.9	291.7	289.4	311.4
37.5°	659.8	666.8	649.4	632.0	551.0	470.0	408.6	347.3	341.5	334.5	342.6
40°	757.1	752.4	742.0	730.4	644.8	558.0	490.8	422.5	407.5	391.3	392.4
42.5°	883.2	869.4	842.7	816.1	733.9	651.7	580.0	508.2	483.9	459.6	454.9
45°	1046.5	1023.3	985.1	945.8	864.7	783.7	695.7	606.6	576.5	545.2	538.3
47.5°	1129.8	1113.6	1089.3	1063.8	980.5	897.1	812.6	727.0	685.3	642.5	630.9
50°	1228.2	1207.4	1191.2	1173.8	1102.0	1029.1	950.4	870.5	814.9	759.4	739.7
52.5°	1322.0	1287.2	1272.2	1256.0	1199.3	1141.4	1059.2	977.0	941.1	904.1	856.6
55°	1355.5	1322.0	1315.0	1308.1	1267.6	1227.0	1151.8	1076.6	1034.9	992.1	953.9
57.5°	1282.6	1287.2	1308.1	1328.9	1305.8	1282.6	1221.3	1158.7	1112.4	1066.1	1044.1
60°	1232.8	1243.3	1274.5	1305.8	1305.8	1305.8	1272.2	1238.6	1194.6	1150.6	1135.6
62.5°	1153.0	1165.7	1213.2	1260.6	1290.7	1320.8	1284.9	1249.0	1234.0	1217.8	1203.9
65°	1047.6	1051.1	1104.3	1157.6	1220.1	1281.5	1247.9	1213.2	1242.1	1271.0	1257.1
67.5°	926.1	931.9	981.6	1030.3	1104.3	1178.4	1169.2	1158.7	1222.4	1286.1	1284.9
70°	781.4	791.8	834.6	876.3	959.6	1041.8	1051.1	1060.4	1170.3	1279.1	1300.0
72.5°	599.6	620.5	652.9	684.1	768.6	852.0	886.7	921.4	1078.9	1235.2	1294.2
75°	199.1	213.0	303.3	392.4	478.1	563.7	640.1	715.4	912.2	1107.8	1230.5
77.5°	57.9	60.2	77.6	93.8	160.9	226.9	305.6	383.2	575.3	766.3	970.1
80°	30.1	31.3	34.7	38.2	55.6	72.9	105.3	136.6	224.6	312.5	526.7
82.5°	20.8	20.8	24.3	26.6	33.6	40.5	57.9	75.2	82.2	89.1	211.8
85°	6.9	6.9	9.3	11.6	16.2	20.8	31.3	40.5	40.5	39.4	56.7
87.5°	1.2	1.2	2.3	3.5	5.8	6.9	5.8	4.6	3.5	2.3	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	313.7	313.7	313.7	313.7	313.7	313.7	313.7	313.7	313.7	313.7	313.7
2.5°	310.2	311.4	311.4	311.4	312.5	312.5	312.5	312.5	311.4	312.5	312.5
5°	255.8	276.7	296.3	302.1	305.6	306.8	306.8	306.8	305.6	305.6	305.6
7.5°	252.4	251.2	250.0	240.8	262.8	267.4	270.9	269.7	269.7	263.9	257.0
10°	194.5	194.5	194.5	196.8	209.5	224.6	239.6	239.6	239.6	222.3	204.9
12.5°	181.7	188.7	194.5	194.5	173.6	191.0	208.4	208.4	208.4	191.0	172.5
15°	155.1	163.2	170.2	181.7	216.5	237.3	258.1	258.1	257.0	237.3	216.5
17.5°	195.6	193.3	189.8	210.7	197.9	201.4	204.9	194.5	209.5	203.7	197.9
20°	197.9	177.1	155.1	199.1	244.3	263.9	283.6	284.8	281.3	259.3	236.1
22.5°	186.4	213.0	238.5	210.7	217.6	213.0	207.2	204.9	204.9	203.7	202.6
25°	238.5	213.0	187.5	246.6	288.2	302.1	316.0	312.5	307.9	276.7	245.4
27.5°	219.9	245.4	269.7	292.9	313.7	326.4	339.2	375.1	326.4	290.6	253.5
30°	268.6	299.8	329.9	363.5	427.2	445.7	464.2	454.9	443.4	373.9	304.4
32.5°	298.7	348.4	397.1	412.1	450.3	467.7	483.9	475.8	461.9	370.4	279.0
35°	332.2	378.5	423.7	448.0	494.3	508.2	520.9	508.2	493.1	367.0	240.8
37.5°	350.8	413.3	474.6	516.3	555.6	559.1	561.4	549.9	530.2	367.0	203.7
40°	393.6	460.7	526.7	586.9	618.2	619.3	620.5	601.9	566.1	363.5	159.7
42.5°	450.3	518.6	585.7	651.7	693.4	689.9	685.3	659.8	600.8	357.7	114.6
45°	531.3	591.5	651.7	725.8	776.7	767.5	757.1	718.9	625.1	351.9	77.6
47.5°	618.2	665.6	711.9	813.8	878.6	858.9	838.1	782.5	642.5	349.6	55.6
50°	718.9	757.1	795.3	906.4	984.0	946.9	909.9	846.2	649.4	347.3	44.0
52.5°	808.0	847.4	885.6	1015.2	1074.2	1032.6	990.9	896.0	645.9	342.6	38.2
55°	914.5	949.2	984.0	1119.4	1166.9	1111.3	1054.6	931.9	628.6	332.2	34.7
57.5°	1021.0	1056.9	1091.6	1223.6	1237.5	1183.1	1127.5	966.6	611.2	321.8	31.3
60°	1120.5	1161.1	1201.6	1294.2	1304.6	1256.0	1207.4	1000.2	583.4	305.6	27.8
62.5°	1190.0	1245.6	1301.1	1363.6	1368.3	1324.3	1279.1	1025.6	547.5	287.1	25.5
65°	1242.1	1318.5	1393.7	1431.9	1429.6	1398.4	1367.1	1047.6	518.6	269.7	20.8
67.5°	1282.6	1375.2	1467.8	1493.3	1499.1	1470.1	1441.2	1051.1	482.7	250.0	16.2
70°	1320.8	1422.7	1524.5	1573.2	1561.6	1516.4	1471.3	1024.5	434.1	223.4	11.6
72.5°	1352.1	1458.6	1565.1	1620.6	1592.8	1496.8	1400.7	934.2	363.5	186.4	8.1
75°	1352.1	1458.6	1563.9	1611.4	1516.4	1325.4	1133.3	695.7	213.0	110.0	6.9
77.5°	1173.8	1251.4	1328.9	1322.0	1155.3	918.0	679.5	400.5	71.8	39.4	5.8
80°	740.9	791.8	842.7	817.3	590.4	423.7	255.8	134.3	25.5	15.0	4.6
82.5°	334.5	328.8	323.0	248.9	115.8	77.6	38.2	23.2	6.9	4.6	2.3
85°	74.1	71.8	69.5	50.9	34.7	23.2	11.6	6.9	3.5	3.5	2.3
87.5°	6.9	8.1	8.1	5.8	5.8	4.6	2.3	2.3	2.3	2.3	2.3
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	313.7	313.7	313.7	313.7	313.7	313.7	313.7	313.7	313.7	313.7	313.7
2.5°	312.5	312.5	312.5	311.4	311.4	311.4	303.3	294.0	288.2	281.3	277.8
5°	295.2	284.8	272.0	259.3	257.0	253.5	254.7	254.7	255.8	255.8	255.8
7.5°	251.2	245.4	247.7	250.0	250.0	250.0	250.0	248.9	247.7	246.6	235.0
10°	200.3	195.6	195.6	195.6	199.1	201.4	195.6	188.7	199.1	208.4	206.1
12.5°	184.1	195.6	180.6	164.4	166.7	167.9	167.9	166.7	162.1	157.4	141.2
15°	192.2	167.9	154.0	138.9	138.9	138.9	112.3	85.7	79.9	74.1	75.2
17.5°	184.1	170.2	154.0	136.6	103.0	68.3	64.8	60.2	60.2	60.2	61.4
20°	185.2	134.3	113.4	92.6	74.1	54.4	50.9	46.3	44.0	40.5	47.5
22.5°	181.7	159.7	108.8	57.9	50.9	44.0	40.5	35.9	41.7	47.5	47.5
25°	176.0	105.3	78.7	50.9	42.8	34.7	39.4	42.8	40.5	37.0	42.8
27.5°	177.1	99.6	68.3	37.0	39.4	40.5	38.2	34.7	38.2	40.5	38.2
30°	191.0	77.6	57.9	37.0	35.9	33.6	34.7	35.9	34.7	32.4	34.7
32.5°	170.2	61.4	48.6	34.7	33.6	32.4	31.3	30.1	31.3	31.3	31.3
35°	143.5	46.3	39.4	32.4	30.1	27.8	27.8	26.6	26.6	26.6	26.6
37.5°	121.5	39.4	34.7	28.9	26.6	24.3	23.2	20.8	20.8	19.7	19.7
40°	98.4	35.9	31.3	25.5	23.2	19.7	18.5	16.2	16.2	15.0	15.0
42.5°	74.1	32.4	27.8	22.0	19.7	16.2	13.9	11.6	11.6	10.4	10.4
45°	53.2	28.9	24.3	18.5	16.2	12.7	10.4	8.1	8.1	6.9	6.9
47.5°	41.7	26.6	22.0	16.2	12.7	9.3	8.1	5.8	5.8	5.8	5.8
50°	33.6	23.2	18.5	12.7	9.3	5.8	4.6	3.5	3.5	3.5	3.5
52.5°	30.1	20.8	16.2	10.4	8.1	4.6	3.5	2.3	3.5	3.5	3.5
55°	26.6	18.5	13.9	8.1	5.8	3.5	3.5	2.3	3.5	3.5	3.5
57.5°	24.3	16.2	11.6	5.8	4.6	2.3	2.3	1.2	2.3	2.3	2.3
60°	20.8	13.9	9.3	4.6	3.5	1.2	1.2	1.2	2.3	2.3	2.3
62.5°	18.5	11.6	8.1	3.5	2.3	1.2	1.2	1.2	2.3	2.3	2.3
65°	15.0	8.1	5.8	2.3	2.3	1.2	1.2	1.2	2.3	2.3	2.3
67.5°	11.6	5.8	4.6	2.3	2.3	1.2	1.2	1.2	2.3	2.3	1.2
70°	8.1	4.6	3.5	1.2	1.2	1.2	1.2	1.2	2.3	2.3	1.2
72.5°	5.8	3.5	2.3	1.2	1.2	0.0	1.2	1.2	2.3	2.3	2.3
75°	5.8	3.5	2.3	1.2	1.2	0.0	1.2	2.3	2.3	2.3	2.3
77.5°	4.6	2.3	2.3	1.2	1.2	0.0	1.2	2.3	2.3	2.3	2.3
80°	3.5	2.3	2.3	1.2	1.2	0.0	2.3	3.5	3.5	3.5	2.3
82.5°	2.3	2.3	2.3	1.2	1.2	0.0	2.3	3.5	3.5	3.5	2.3
85°	2.3	2.3	2.3	2.3	1.2	0.0	2.3	3.5	3.5	3.5	3.5
87.5°	2.3	2.3	2.3	2.3	2.3	1.2	3.5	4.6	4.6	3.5	3.5
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°	313.7	313.7	313.7	313.7
2.5°	273.2	273.2	272.0	275.5
5°	255.8	255.8	255.8	257.0
7.5°	222.3	214.2	206.1	207.2
10°	202.6	200.3	196.8	199.1
12.5°	125.0	118.1	110.0	106.5
15°	76.4	76.4	76.4	75.2
17.5°	62.5	57.9	52.1	53.2
20°	54.4	55.6	56.7	56.7
22.5°	47.5	45.1	42.8	42.8
25°	47.5	47.5	47.5	47.5
27.5°	35.9	35.9	34.7	34.7
30°	37.0	37.0	35.9	34.7
32.5°	30.1	30.1	30.1	30.1
35°	25.5	24.3	23.2	23.2
37.5°	19.7	18.5	17.4	17.4
40°	13.9	13.9	12.7	12.7
42.5°	10.4	10.4	9.3	9.3
45°	6.9	6.9	6.9	6.9
47.5°	4.6	4.6	4.6	4.6
50°	3.5	3.5	3.5	3.5
52.5°	3.5	3.5	2.3	2.3
55°	2.3	2.3	2.3	2.3
57.5°	2.3	2.3	2.3	2.3
60°	2.3	2.3	1.2	1.2
62.5°	1.2	1.2	1.2	1.2
65°	1.2	1.2	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°	1.2	1.2	0.0	0.0
75°	1.2	1.2	0.0	0.0
77.5°	1.2	1.2	0.0	0.0
80°	1.2	1.2	0.0	0.0
82.5°	1.2	1.2	1.2	0.0
85°	2.3	2.3	1.2	0.0
87.5°	2.3	2.3	1.2	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)