

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: P560290

Luminaire Tested: **SDL-PA1-30-830-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560290
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-14)
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-SL3-HSS
Description: Springdale
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2522.8 lumens
Efficiency: N/A
Efficacy: 83.8 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

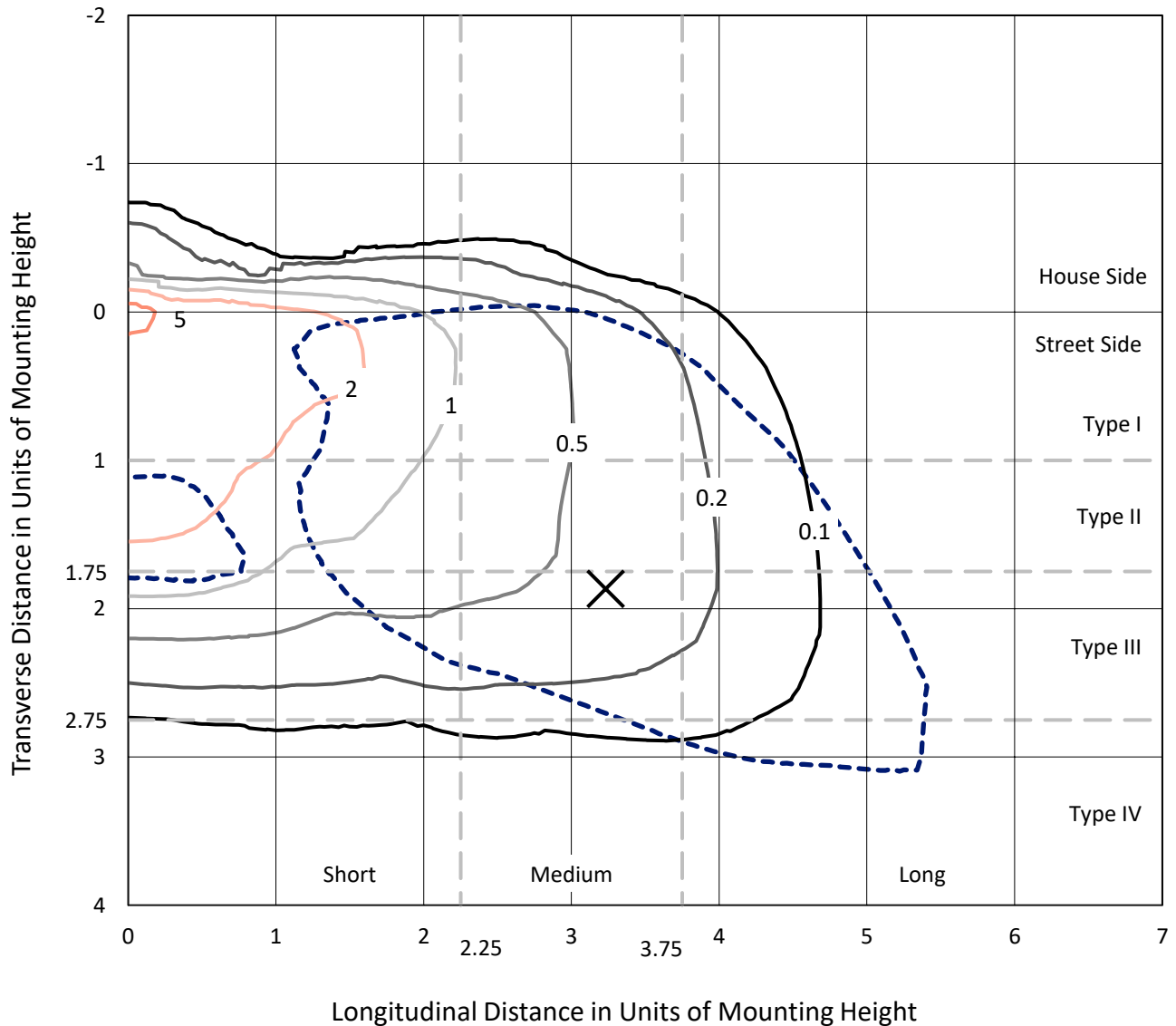
Input Watts (W): 30.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

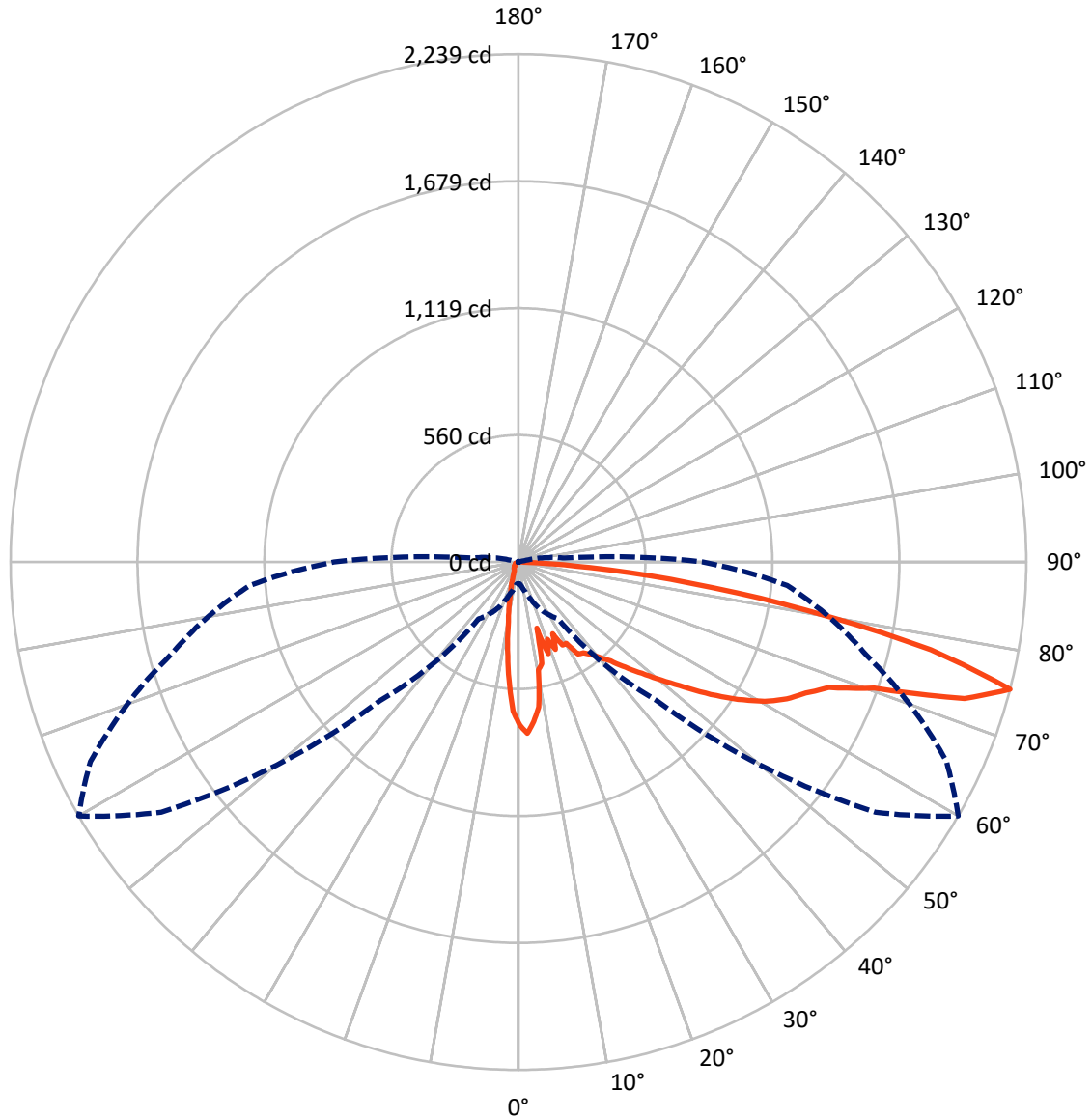
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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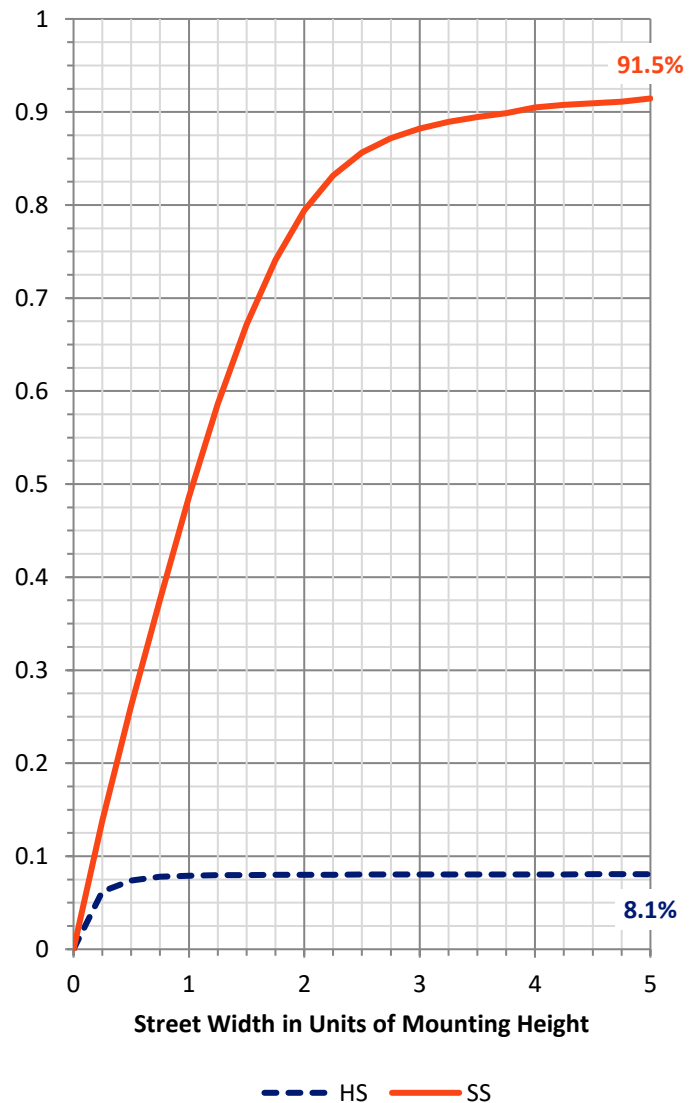
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	205.5	0.0	205.5
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	2317.2	0.0	2317.2
	% Fixture	91.9	0.0	91.9
Total	Lumens	2522.8	0.0	2522.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.7	2.0
10°-20°	82.5	3.3
20°-30°	118.3	4.7
30°-40°	210.6	8.3
40°-50°	346.6	13.7
50°-60°	534.4	21.2
60°-70°	622.8	24.7
70°-80°	482.6	19.1
80°-90°	75.4	3.0
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°	2522.8	100.0
0°-180°	2522.8	100.0



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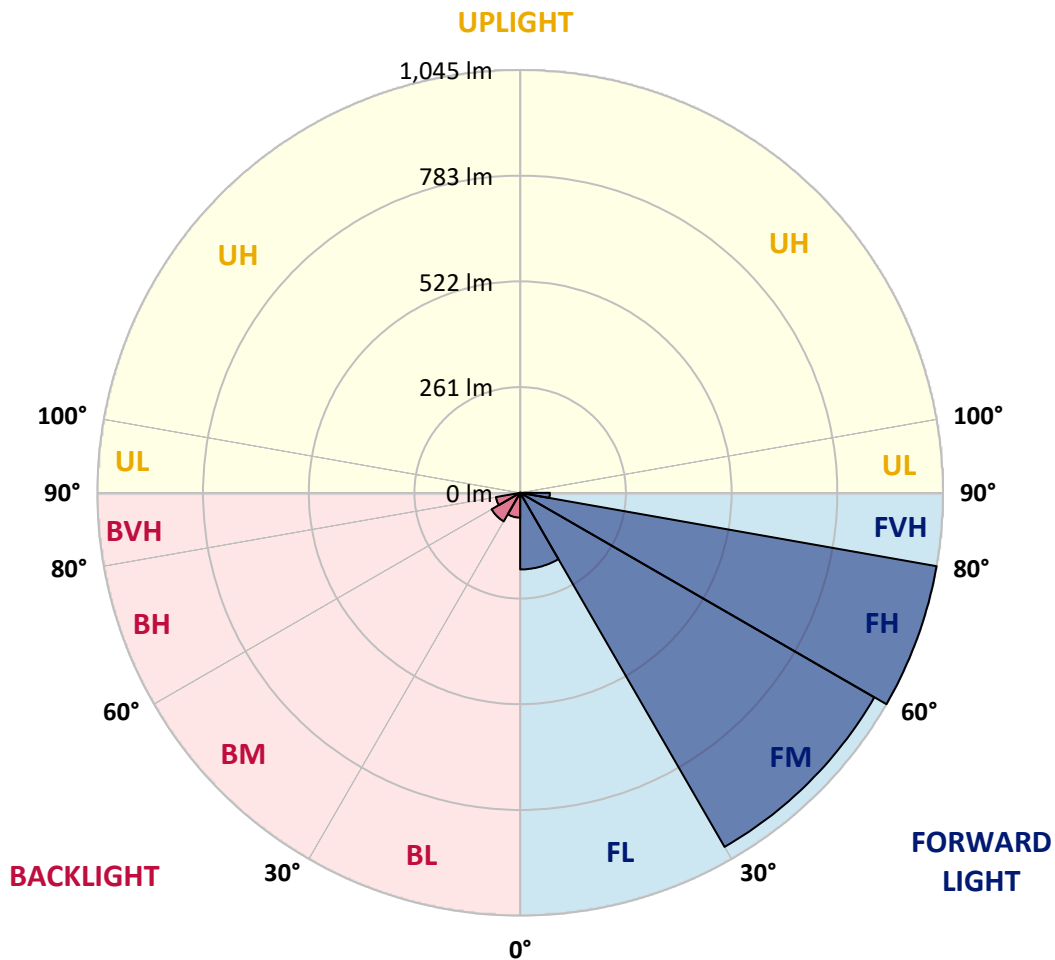
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	189.3	7.5			
FM (30°-60°)	1010.1	40.0			
FH (60°-80°)	1044.6	41.4			G1/1800
FVH (80°-90°)	73.3	2.9			G1/100
BL (0°-30°)	61.3	2.4	B0/110		
BM (30°-60°)	81.4	3.2	B0/220		
BH (60°-80°)	60.8	2.4	B0/110		G0/110
BVH (80°-90°)	2.1	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°	718.9	718.9	718.9	718.9	718.9	718.9	718.9	718.9	718.9	718.9	718.9
2.5°	671.8	697.0	712.3	726.5	745.2	763.8	764.9	766.0	766.0	766.0	764.9
5°	648.7	650.9	650.9	650.9	654.2	657.5	659.7	660.8	661.9	661.9	660.8
7.5°	507.4	547.9	573.1	597.2	603.8	610.4	619.2	626.8	633.4	638.9	643.3
10°	562.2	566.6	566.6	565.5	570.9	575.3	532.6	488.7	506.3	523.8	501.9
12.5°	434.0	455.9	483.3	509.6	527.1	544.6	524.9	505.2	474.5	442.7	440.5
15°	507.4	510.7	511.8	512.9	483.3	452.6	416.4	379.2	404.4	429.6	393.4
17.5°	390.1	393.4	424.1	454.8	458.1	461.4	438.3	414.2	361.6	309.0	358.3
20°	466.8	469.0	469.0	469.0	410.9	352.9	357.2	360.5	377.0	393.4	381.4
22.5°	375.9	371.5	373.7	374.8	392.3	408.8	374.8	339.7	364.9	389.0	368.2
25°	470.1	471.2	464.6	457.0	405.5	352.9	371.5	389.0	359.4	328.8	358.3
27.5°	425.2	420.8	405.5	390.1	397.8	405.5	370.4	334.2	362.7	390.1	377.0
30°	560.0	557.8	538.1	517.2	455.9	393.4	386.8	379.2	362.7	345.2	368.2
32.5°	747.4	721.1	647.6	573.1	534.8	495.3	447.1	398.9	404.4	408.8	412.0
35°	789.0	777.0	745.2	713.4	654.2	593.9	528.2	461.4	446.0	430.7	439.4
37.5°	800.0	795.6	791.2	785.7	715.6	645.5	579.7	512.9	500.8	487.7	477.8
40°	810.9	815.3	828.5	840.5	774.8	709.0	647.6	585.2	570.9	556.7	531.5
42.5°	854.8	858.0	877.8	897.5	833.9	769.3	715.6	661.9	641.1	620.3	597.2
45°	947.9	951.2	962.2	973.1	913.9	853.7	794.5	734.2	717.8	700.2	673.9
47.5°	1077.2	1080.5	1075.0	1069.5	1001.6	932.6	862.4	792.3	786.8	781.3	753.9
50°	1225.2	1220.8	1191.2	1161.6	1087.1	1012.6	930.4	847.1	851.5	855.9	836.1
52.5°	1293.1	1290.9	1256.9	1223.0	1146.3	1068.5	983.0	896.4	911.7	926.0	915.0
55°	1288.7	1287.6	1264.6	1241.6	1169.3	1096.9	1016.9	937.0	972.0	1006.0	999.4
57.5°	1240.5	1242.7	1239.4	1236.1	1172.6	1109.0	1044.3	979.7	1032.3	1083.8	1092.6
60°	1164.9	1164.9	1181.3	1196.7	1159.4	1121.1	1067.4	1012.6	1084.9	1157.2	1179.1
62.5°	1007.1	1024.6	1059.7	1094.8	1106.8	1118.9	1075.0	1031.2	1130.9	1230.6	1262.4
65°	775.9	783.5	847.1	910.6	969.8	1027.9	1031.2	1034.5	1186.8	1338.0	1349.0
67.5°	450.4	482.2	552.3	621.3	737.5	852.6	911.7	970.9	1210.9	1449.8	1461.9
70°	236.7	249.9	283.8	316.7	420.8	523.8	670.7	816.4	1155.0	1492.5	1597.7
72.5°	162.2	174.2	192.9	211.5	250.9	289.3	394.5	498.6	919.4	1340.2	1666.8
75°	95.3	98.6	121.6	144.7	187.4	230.1	268.5	305.7	585.2	863.5	1392.8
77.5°	38.4	41.6	51.5	61.4	121.6	180.8	220.3	259.7	326.6	393.4	956.7
80°	20.8	20.8	25.2	28.5	54.8	80.0	147.9	215.9	248.8	281.6	620.3
82.5°	12.1	12.1	15.3	17.5	27.4	37.3	84.4	131.5	194.0	255.3	418.6
85°	4.4	4.4	5.5	6.6	13.2	18.6	30.7	41.6	120.5	198.3	241.1
87.5°	1.1	1.1	2.2	2.2	3.3	4.4	5.5	5.5	4.4	3.3	21.9
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°	718.9	718.9	718.9	718.9	718.9	718.9	718.9	718.9	718.9	718.9	718.9
2.5°	762.7	756.1	751.8	744.1	736.4	729.8	722.2	712.3	704.6	694.8	684.9
5°	659.7	705.7	752.8	748.5	743.0	727.6	712.3	694.8	678.3	658.6	638.9
7.5°	646.6	645.5	600.5	623.5	645.5	627.9	610.4	590.7	568.7	530.4	492.0
10°	480.0	483.3	482.2	487.7	493.1	507.4	520.5	492.0	464.6	404.4	343.0
12.5°	438.3	459.2	464.6	427.4	390.1	405.5	420.8	392.3	364.9	309.0	253.1
15°	356.2	302.5	379.2	429.6	478.9	486.6	493.1	455.9	412.0	335.3	257.5
17.5°	406.6	425.2	403.3	404.4	404.4	405.5	406.6	372.6	328.8	270.7	212.6
20°	369.3	363.8	366.0	402.2	438.3	462.4	485.5	434.0	378.1	288.2	197.3
22.5°	347.4	418.6	449.3	434.0	418.6	380.3	340.8	301.4	255.3	210.4	164.4
25°	386.8	349.6	373.7	432.9	492.0	492.0	492.0	424.1	348.5	252.0	155.6
27.5°	363.8	415.3	439.4	486.6	532.6	552.3	570.9	484.4	384.6	265.2	144.7
30°	391.2	415.3	500.8	595.0	689.3	672.9	655.3	544.6	418.6	278.3	138.1
32.5°	415.3	483.3	558.9	630.1	701.3	682.7	663.0	540.3	398.9	250.9	103.0
35°	448.2	492.0	562.2	648.7	735.3	706.8	677.2	542.4	383.5	230.1	76.7
37.5°	467.9	516.1	591.8	682.7	772.6	737.5	702.4	552.3	370.4	214.8	59.2
40°	505.2	553.4	629.0	724.4	819.7	779.1	737.5	569.8	362.7	206.0	49.3
42.5°	574.2	596.1	680.5	781.3	882.2	839.4	795.6	607.1	360.5	201.6	42.7
45°	646.6	660.8	735.3	848.2	960.0	916.1	871.2	653.1	368.2	204.9	40.5
47.5°	725.5	733.1	801.1	941.3	1081.6	1021.3	961.1	716.7	384.6	211.5	38.4
50°	816.4	816.4	882.2	1033.4	1184.6	1122.1	1059.7	791.2	405.5	221.4	37.3
52.5°	903.0	915.0	965.4	1120.0	1274.5	1216.4	1157.2	873.4	432.9	234.5	35.1
55°	991.7	1030.1	1048.7	1206.5	1364.3	1297.5	1230.6	933.7	449.3	241.1	32.9
57.5°	1101.3	1141.9	1151.7	1285.4	1419.1	1354.5	1288.7	985.2	461.4	246.6	31.8
60°	1201.0	1247.1	1266.8	1365.4	1463.0	1396.1	1329.3	1030.1	472.3	250.9	28.5
62.5°	1293.1	1328.2	1358.9	1422.4	1486.0	1423.5	1359.9	1069.5	478.9	252.0	25.2
65°	1359.9	1391.7	1435.6	1471.7	1507.9	1460.8	1413.6	1137.5	497.5	258.6	18.6
67.5°	1472.8	1476.1	1501.3	1530.9	1560.5	1535.3	1510.1	1231.7	519.4	267.4	14.2
70°	1701.9	1664.6	1631.7	1661.3	1689.8	1654.7	1619.7	1259.1	469.0	240.0	11.0
72.5°	1993.3	2055.8	1896.9	1835.5	1773.1	1643.8	1513.4	1083.8	333.1	171.0	8.8
75°	1922.1	2238.8	2082.1	1835.5	1589.0	1389.5	1189.0	813.1	204.9	106.3	6.6
77.5°	1518.8	1858.6	1802.7	1548.4	1293.1	1047.6	802.2	499.7	72.3	39.5	6.6
80°	958.9	1285.4	1237.2	1006.0	773.7	550.1	326.6	152.3	27.4	17.5	7.7
82.5°	581.9	766.0	601.6	377.0	152.3	107.4	62.5	32.9	8.8	7.7	6.6
85°	282.7	316.7	207.1	119.4	30.7	28.5	25.2	16.4	4.4	4.4	3.3
87.5°	39.5	28.5	17.5	12.1	5.5	5.5	5.5	3.3	3.3	3.3	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°	718.9	718.9	718.9	718.9	718.9	718.9	718.9	718.9	718.9	718.9	718.9
2.5°	677.2	668.5	658.6	648.7	637.8	626.8	595.0	562.2	544.6	526.0	521.6
5°	602.7	566.6	521.6	475.6	455.9	436.1	426.3	415.3	408.8	401.1	394.5
7.5°	441.6	390.1	390.1	389.0	372.6	356.2	337.5	317.8	305.7	293.7	261.9
10°	315.6	287.1	267.4	247.7	240.0	232.3	208.2	183.0	185.2	186.3	179.7
12.5°	244.4	234.5	198.3	162.2	150.1	138.1	130.4	122.7	111.8	100.8	93.1
15°	209.3	161.1	133.7	106.3	94.2	81.1	70.1	58.1	54.8	50.4	55.9
17.5°	172.0	130.4	104.1	77.8	60.3	42.7	44.9	47.1	51.5	55.9	58.1
20°	147.9	98.6	75.6	52.6	47.1	41.6	43.8	44.9	43.8	41.6	48.2
22.5°	120.5	76.7	58.1	38.4	39.5	40.5	37.3	34.0	40.5	47.1	47.1
25°	103.0	50.4	44.9	39.5	36.2	32.9	37.3	40.5	38.4	36.2	41.6
27.5°	94.2	43.8	38.4	32.9	34.0	35.1	34.0	31.8	35.1	38.4	37.3
30°	89.9	40.5	37.3	32.9	31.8	29.6	30.7	30.7	29.6	28.5	31.8
32.5°	72.3	41.6	36.2	29.6	28.5	26.3	25.2	24.1	25.2	26.3	27.4
35°	58.1	38.4	34.0	28.5	26.3	24.1	23.0	20.8	20.8	20.8	21.9
37.5°	47.1	35.1	30.7	25.2	23.0	20.8	19.7	17.5	17.5	17.5	17.5
40°	41.6	32.9	28.5	23.0	20.8	17.5	16.4	14.2	14.2	13.2	13.2
42.5°	36.2	29.6	25.2	19.7	17.5	15.3	13.2	11.0	11.0	9.9	9.9
45°	34.0	27.4	23.0	18.6	15.3	12.1	11.0	8.8	8.8	7.7	7.7
47.5°	32.9	26.3	21.9	16.4	13.2	9.9	8.8	6.6	6.6	6.6	6.6
50°	30.7	24.1	19.7	14.2	12.1	8.8	7.7	5.5	5.5	5.5	5.5
52.5°	29.6	23.0	17.5	12.1	9.9	6.6	5.5	4.4	4.4	4.4	4.4
55°	28.5	24.1	17.5	11.0	8.8	5.5	4.4	3.3	3.3	3.3	3.3
57.5°	27.4	23.0	16.4	8.8	6.6	4.4	3.3	2.2	2.2	2.2	2.2
60°	24.1	19.7	13.2	6.6	5.5	3.3	2.2	1.1	2.2	2.2	2.2
62.5°	20.8	15.3	11.0	5.5	4.4	2.2	2.2	1.1	2.2	2.2	2.2
65°	15.3	12.1	8.8	4.4	3.3	1.1	1.1	1.1	2.2	2.2	2.2
67.5°	12.1	8.8	6.6	3.3	2.2	1.1	1.1	1.1	2.2	2.2	2.2
70°	8.8	6.6	4.4	2.2	2.2	1.1	1.1	1.1	2.2	2.2	2.2
72.5°	6.6	4.4	3.3	2.2	2.2	1.1	2.2	2.2	2.2	2.2	2.2
75°	5.5	4.4	3.3	2.2	2.2	1.1	2.2	2.2	3.3	3.3	3.3
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°	5.5	3.3	3.3	2.2	2.2	1.1	2.2	3.3	3.3	3.3	3.3
82.5°	5.5	3.3	3.3	2.2	2.2	1.1	2.2	3.3	3.3	3.3	3.3
85°	3.3	3.3	3.3	3.3	2.2	1.1	3.3	4.4	4.4	3.3	3.3
87.5°	2.2	2.2	3.3	3.3	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°	718.9	718.9	718.9	718.9
2.5°	516.1	510.7	504.1	517.2
5°	387.9	383.5	379.2	386.8
7.5°	230.1	231.2	231.2	219.2
10°	172.0	162.2	151.2	151.2
12.5°	85.5	78.9	72.3	71.2
15°	61.4	62.5	63.6	63.6
17.5°	60.3	58.1	54.8	52.6
20°	53.7	55.9	57.0	57.0
22.5°	47.1	46.0	43.8	43.8
25°	47.1	48.2	49.3	49.3
27.5°	36.2	36.2	35.1	35.1
30°	35.1	35.1	35.1	35.1
32.5°	27.4	28.5	28.5	28.5
35°	23.0	23.0	23.0	23.0
37.5°	17.5	17.5	17.5	16.4
40°	13.2	13.2	13.2	13.2
42.5°	9.9	9.9	9.9	9.9
45°	7.7	7.7	7.7	7.7
47.5°	6.6	6.6	5.5	5.5
50°	4.4	4.4	4.4	4.4
52.5°	3.3	3.3	3.3	3.3
55°	2.2	2.2	2.2	2.2
57.5°	2.2	2.2	2.2	2.2
60°	1.1	1.1	1.1	1.1
62.5°	1.1	1.1	1.1	1.1
65°	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1
72.5°	2.2	2.2	1.1	1.1
75°	2.2	2.2	1.1	1.1
77.5°	2.2	2.2	1.1	1.1
80°	2.2	2.2	1.1	1.1
82.5°	2.2	2.2	1.1	1.1
85°	2.2	2.2	2.2	1.1
87.5°	2.2	2.2	2.2	1.1
90°	0.0	0.0	0.0	0.0

(END OF REPORT)