

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: P560174

Luminaire Tested: **SDL-PA1-30-727-U-T4W-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560174
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-10)
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-T4W-HSS
Description: Springdale
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2303.1 lumens
Efficiency: N/A
Efficacy: 76.5 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

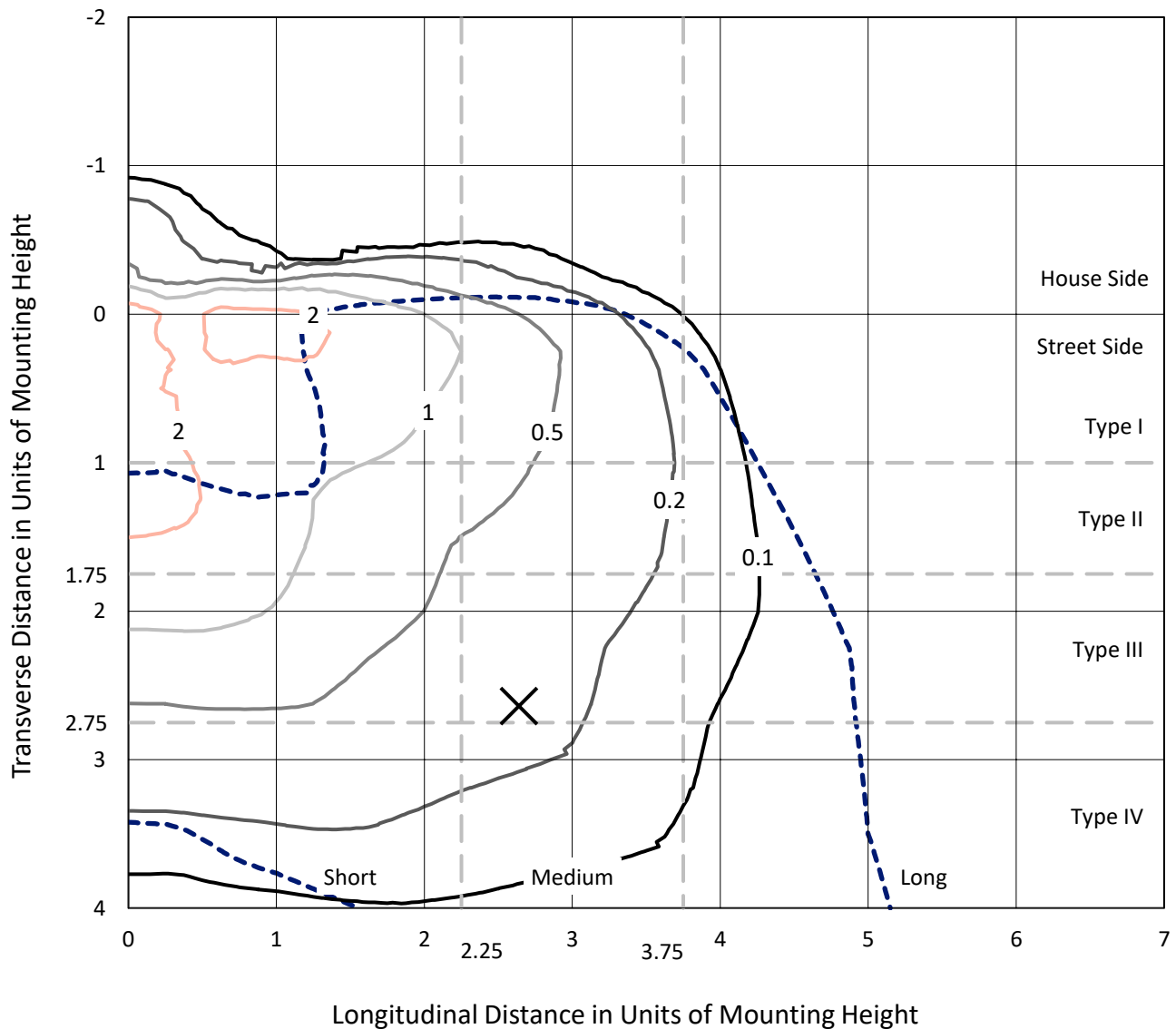


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

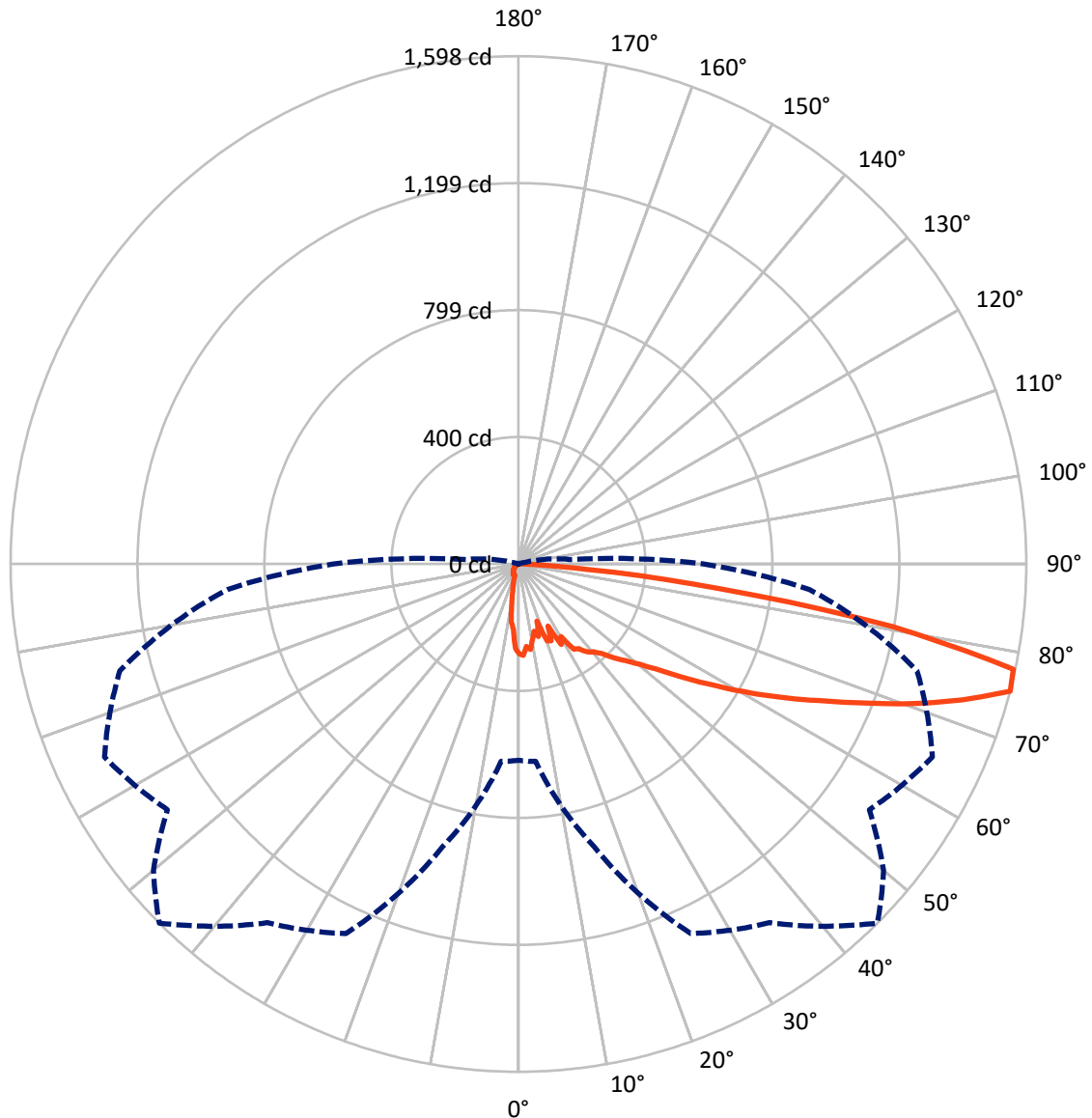


Based on 10 foot mounting height. Maximum calculated value = 2.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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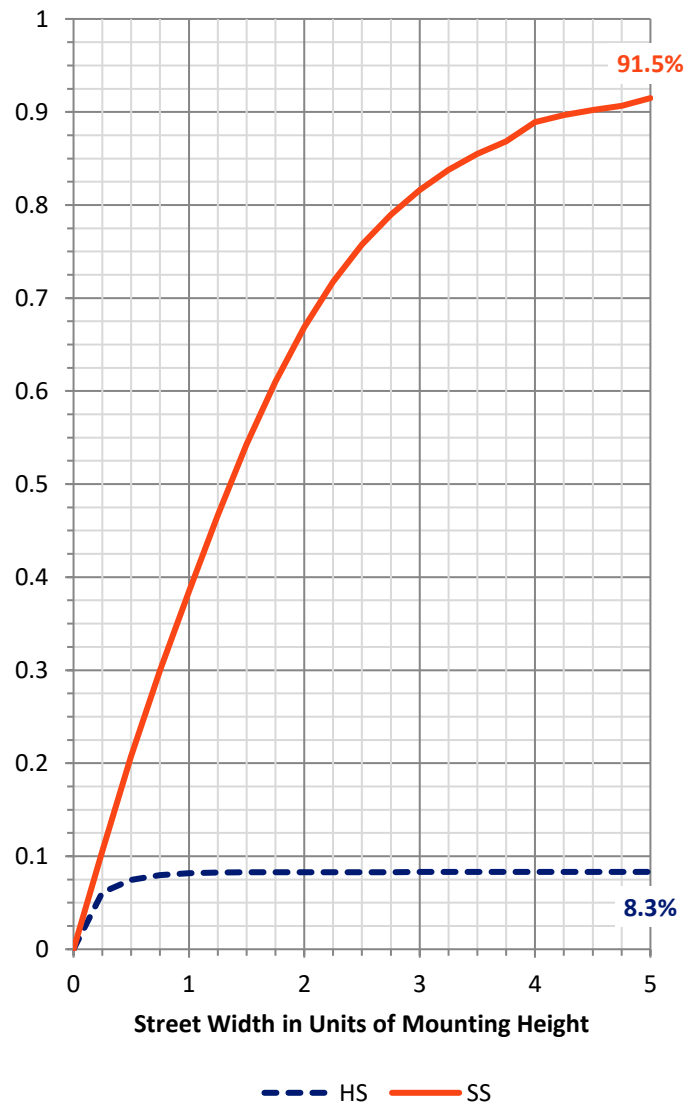
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	193.4	0.0	193.4
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	2109.7	0.0	2109.7
	% Fixture	91.6	0.0	91.6
Total	Lumens	2303.1	0.0	2303.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.9	1.0
10°-20°	48.2	2.1
20°-30°	81.5	3.5
30°-40°	150.1	6.5
40°-50°	246.4	10.7
50°-60°	438.5	19.0
60°-70°	656.1	28.5
70°-80°	584.1	25.4
80°-90°	76.3	3.3
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°	2303.1	100.0
0°-180°	2303.1	100.0

Coefficient of Utilization



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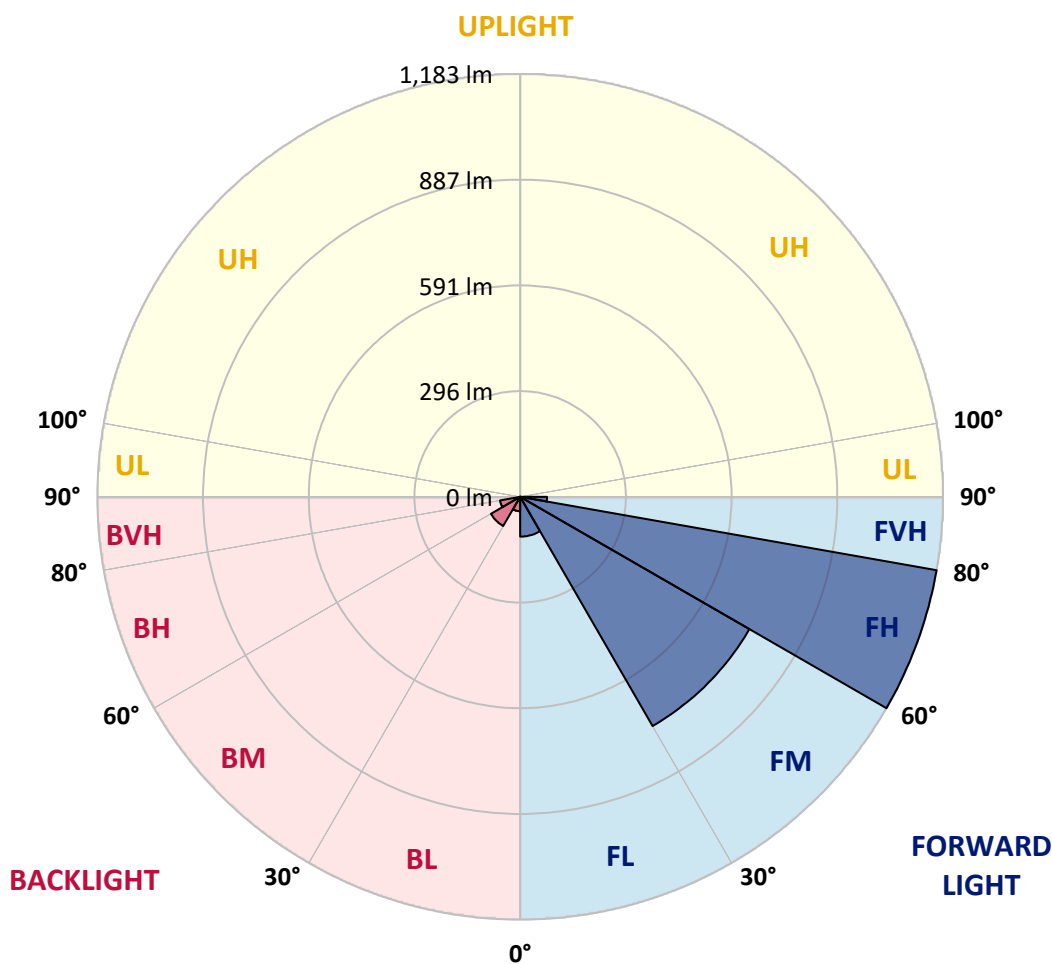
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	111.3	4.8			
FM	(30°-60°)	740.3	32.1			
FH	(60°-80°)	1182.9	51.4			G1/1800
FVH	(80°-90°)	75.1	3.3			G1/100
BL	(0°-30°)	40.3	1.8	B0/110		
BM	(30°-60°)	94.6	4.1	B0/220		
BH	(60°-80°)	57.3	2.5	B0/110		G0/110
BVH	(80°-90°)	1.2	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 IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4
2.5°	262.7	282.4	284.7	285.9	288.2	289.3	289.3	289.3	289.3	288.2	288.2
5°	277.8	276.6	275.4	274.3	273.1	270.8	268.5	265.0	262.7	260.4	258.1
7.5°	272.0	273.1	276.6	278.9	277.8	276.6	278.9	280.1	276.6	272.0	267.3
10°	317.1	314.8	312.5	310.2	306.7	303.2	275.4	247.7	245.4	241.9	239.6
12.5°	277.8	312.5	312.5	312.5	312.5	312.5	294.0	275.4	246.5	217.6	184.0
15°	347.2	346.0	341.4	336.8	305.5	273.1	255.8	238.4	238.4	237.3	223.4
17.5°	288.2	288.2	311.3	333.3	320.6	307.9	283.5	259.2	224.5	188.6	202.5
20°	364.6	364.6	359.9	355.3	302.1	248.8	251.1	253.5	255.8	258.1	214.1
22.5°	299.8	297.4	295.1	292.8	298.6	304.4	256.9	208.3	236.1	262.7	204.8
25°	365.7	369.2	366.9	363.4	316.0	268.5	278.9	288.2	252.3	216.4	251.1
27.5°	313.6	310.2	305.5	299.8	303.2	306.7	284.7	261.6	274.3	287.0	230.3
30°	384.2	385.4	383.1	380.8	335.6	290.5	289.3	287.0	276.6	265.0	259.2
32.5°	475.7	466.4	434.0	401.6	373.8	346.0	324.1	302.1	311.3	319.4	288.2
35°	519.6	502.3	488.4	473.4	427.1	379.6	353.0	325.2	326.4	327.5	314.8
37.5°	562.5	537.0	519.6	502.3	446.7	391.2	362.2	333.3	342.6	350.7	336.8
40°	577.5	563.6	553.2	542.8	483.8	423.6	390.0	355.3	359.9	363.4	358.8
42.5°	615.7	613.4	607.6	600.7	530.1	458.3	417.8	377.3	381.9	385.4	383.1
45°	707.1	703.7	703.7	702.5	611.1	518.5	465.3	412.0	416.6	421.3	419.0
47.5°	825.2	819.4	812.5	804.4	707.1	608.8	532.4	454.8	454.8	454.8	458.3
50°	949.0	940.9	925.9	909.7	811.3	712.9	615.7	518.5	508.1	496.5	509.2
52.5°	1077.5	1063.6	1038.1	1011.5	924.7	837.9	728.0	616.9	585.6	553.2	569.4
55°	1146.9	1131.9	1114.5	1096.0	1025.4	953.6	841.4	729.1	680.5	630.7	648.1
57.5°	1203.6	1200.2	1192.1	1184.0	1129.6	1075.2	962.9	849.5	783.5	717.6	732.6
60°	1281.2	1276.5	1280.0	1283.5	1241.8	1200.2	1093.7	986.1	901.6	815.9	811.3
62.5°	1339.0	1337.9	1355.2	1372.6	1350.6	1327.5	1208.3	1087.9	1005.7	922.4	899.3
65°	1285.8	1300.8	1365.7	1430.5	1427.0	1422.4	1311.3	1199.0	1118.0	1035.8	1005.7
67.5°	1173.5	1180.5	1276.5	1371.4	1413.1	1453.6	1374.9	1295.1	1231.4	1166.6	1111.0
70°	1068.2	1083.3	1167.8	1252.2	1359.9	1467.5	1405.0	1342.5	1329.8	1315.9	1244.1
72.5°	966.4	993.0	1071.7	1150.4	1293.9	1436.3	1399.2	1362.2	1412.0	1461.7	1376.1
75°	618.0	623.8	773.1	921.2	1102.9	1283.5	1330.9	1378.4	1488.3	1598.3	1499.9
77.5°	180.5	200.2	312.5	424.7	633.1	840.2	1002.3	1164.3	1378.4	1592.5	1472.1
80°	61.3	66.0	82.2	97.2	208.3	319.4	506.9	693.2	942.1	1190.9	1106.4
82.5°	30.1	31.2	39.3	46.3	70.6	94.9	191.0	285.9	461.8	636.5	651.6
85°	9.3	9.3	13.9	18.5	30.1	41.7	71.8	100.7	159.7	217.6	184.0
87.5°	2.3	2.3	3.5	4.6	6.9	9.3	9.3	9.3	6.9	4.6	5.8
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°	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4
2.5°	289.3	289.3	289.3	288.2	285.9	284.7	282.4	280.1	277.8	276.6	274.3
5°	254.6	269.7	283.5	284.7	284.7	281.2	277.8	274.3	270.8	267.3	263.9
7.5°	261.6	253.5	245.4	246.5	247.7	246.5	244.2	238.4	233.8	224.5	214.1
10°	209.5	203.7	196.7	199.1	201.4	207.2	213.0	208.3	201.4	184.0	165.5
12.5°	206.0	204.8	202.5	185.2	166.7	175.9	184.0	179.4	172.4	155.1	136.6
15°	175.9	177.1	177.1	194.4	211.8	218.7	224.5	218.7	210.6	187.5	163.2
17.5°	226.8	215.3	203.7	196.7	188.6	191.0	193.3	167.8	175.9	160.9	144.7
20°	234.9	196.7	158.6	189.8	221.1	231.5	241.9	236.1	225.7	188.6	150.5
22.5°	214.1	228.0	241.9	222.2	202.5	189.8	175.9	170.1	163.2	147.0	130.8
25°	265.0	226.8	187.5	224.5	260.4	262.7	265.0	254.6	243.0	196.7	150.5
27.5°	237.3	250.0	261.6	269.7	277.8	288.2	298.6	287.0	259.2	204.8	149.3
30°	282.4	299.8	317.1	343.7	370.3	378.4	385.4	372.7	350.7	259.2	166.7
32.5°	295.1	329.8	364.6	375.0	384.2	394.7	405.1	394.7	368.0	256.9	144.7
35°	329.8	354.1	377.3	393.5	409.7	419.0	428.2	421.3	385.4	253.5	121.5
37.5°	340.3	372.7	403.9	422.4	439.8	447.9	454.8	454.8	403.9	251.1	97.2
40°	356.5	397.0	437.5	454.8	471.0	483.8	495.3	500.0	424.7	250.0	74.1
42.5°	388.9	424.7	460.6	488.4	515.0	533.5	552.1	555.5	449.0	253.5	56.7
45°	423.6	461.8	500.0	537.0	574.0	600.7	626.1	623.8	478.0	262.7	46.3
47.5°	473.4	509.2	545.1	607.6	668.9	694.4	718.7	702.5	508.1	274.3	40.5
50°	524.3	568.3	612.2	692.1	770.8	793.9	815.9	782.4	537.0	288.2	38.2
52.5°	590.2	642.3	694.4	785.8	877.3	898.1	918.9	850.6	559.0	297.4	35.9
55°	667.8	734.9	802.0	888.8	974.5	998.8	1023.1	917.8	569.4	302.1	34.7
57.5°	761.5	839.1	915.5	995.3	1074.0	1107.6	1140.0	983.7	574.0	303.2	32.4
60°	853.0	938.6	1024.2	1092.5	1160.8	1212.9	1263.8	1048.5	571.7	300.9	28.9
62.5°	937.4	1032.3	1126.1	1189.7	1253.4	1315.9	1378.4	1100.6	556.7	290.5	23.1
65°	1025.4	1126.1	1225.6	1281.2	1336.7	1417.7	1497.6	1145.8	535.8	276.6	16.2
67.5°	1105.3	1201.3	1297.4	1359.9	1422.4	1502.2	1580.9	1157.3	505.8	259.2	11.6
70°	1172.4	1276.5	1379.5	1443.2	1506.9	1547.4	1586.7	1106.4	445.6	226.8	8.1
72.5°	1265.0	1358.7	1451.3	1483.7	1515.0	1444.4	1372.6	922.4	334.5	171.3	6.9
75°	1348.3	1393.4	1437.4	1368.0	1298.5	1108.7	918.9	581.0	163.2	85.6	6.9
77.5°	1263.8	1239.5	1215.2	1002.3	788.1	585.6	381.9	228.0	50.9	27.8	4.6
80°	915.5	804.4	692.1	479.1	265.0	177.1	88.0	50.9	12.7	8.1	3.5
82.5°	493.0	380.8	267.3	172.4	77.5	52.1	25.5	17.4	5.8	4.6	2.3
85°	178.2	141.2	103.0	79.9	56.7	33.6	9.3	5.8	3.5	3.5	2.3
87.5°	16.2	18.5	20.8	16.2	10.4	6.9	2.3	2.3	2.3	2.3	1.2
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°	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4	282.4
2.5°	273.1	272.0	270.8	268.5	267.3	266.2	258.1	250.0	240.7	231.5	231.5
5°	248.8	233.8	225.7	217.6	211.8	206.0	204.8	202.5	200.2	197.9	196.7
7.5°	208.3	202.5	197.9	193.3	187.5	181.7	175.9	170.1	165.5	160.9	150.5
10°	156.2	147.0	140.0	133.1	129.6	125.0	118.0	109.9	109.9	109.9	108.8
12.5°	135.4	134.3	116.9	98.4	92.6	86.8	85.6	84.5	82.2	78.7	74.1
15°	134.3	104.2	89.1	72.9	69.4	64.8	57.9	49.8	48.6	46.3	52.1
17.5°	121.5	98.4	81.0	63.7	50.9	38.2	40.5	41.7	47.5	52.1	55.6
20°	109.9	69.4	57.9	45.1	41.7	37.0	39.3	41.7	40.5	38.2	44.0
22.5°	103.0	74.1	54.4	34.7	37.0	39.3	37.0	33.6	39.3	45.1	48.6
25°	99.5	47.5	42.8	37.0	34.7	32.4	37.0	40.5	38.2	35.9	42.8
27.5°	98.4	47.5	40.5	32.4	34.7	37.0	35.9	33.6	38.2	41.7	40.5
30°	105.3	42.8	38.2	33.6	32.4	31.2	33.6	35.9	35.9	34.7	40.5
32.5°	93.7	42.8	38.2	32.4	32.4	31.2	31.2	31.2	34.7	38.2	40.5
35°	81.0	39.3	35.9	31.2	30.1	28.9	30.1	30.1	33.6	35.9	40.5
37.5°	67.1	37.0	33.6	28.9	27.8	26.6	26.6	25.5	28.9	32.4	35.9
40°	54.4	34.7	31.2	26.6	25.5	24.3	24.3	24.3	26.6	27.8	30.1
42.5°	45.1	32.4	28.9	24.3	23.1	22.0	22.0	20.8	22.0	23.1	24.3
45°	39.3	31.2	27.8	23.1	22.0	19.7	18.5	17.4	17.4	17.4	17.4
47.5°	34.7	28.9	26.6	23.1	20.8	17.4	16.2	13.9	12.7	11.6	10.4
50°	32.4	26.6	24.3	20.8	18.5	15.0	12.7	10.4	9.3	6.9	6.9
52.5°	30.1	24.3	22.0	18.5	15.0	11.6	9.3	5.8	5.8	4.6	4.6
55°	28.9	23.1	19.7	16.2	12.7	8.1	5.8	3.5	3.5	2.3	2.3
57.5°	27.8	22.0	18.5	13.9	9.3	4.6	3.5	2.3	2.3	2.3	2.3
60°	24.3	19.7	15.0	9.3	5.8	2.3	2.3	1.2	2.3	2.3	2.3
62.5°	19.7	15.0	10.4	5.8	3.5	1.2	1.2	1.2	2.3	2.3	2.3
65°	13.9	10.4	6.9	3.5	2.3	1.2	1.2	1.2	1.2	1.2	1.2
67.5°	10.4	8.1	5.8	2.3	2.3	1.2	1.2	1.2	1.2	1.2	1.2
70°	6.9	5.8	4.6	2.3	2.3	1.2	1.2	1.2	1.2	1.2	1.2
72.5°	5.8	4.6	3.5	1.2	1.2	0.0	1.2	1.2	1.2	1.2	1.2
75°	5.8	4.6	3.5	1.2	1.2	0.0	1.2	1.2	1.2	1.2	1.2
77.5°	4.6	3.5	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	1.2	2.3	2.3	2.3	2.3
82.5°	2.3	2.3	2.3	1.2	1.2	0.0	2.3	3.5	3.5	2.3	2.3
85°	2.3	1.2	1.2	1.2	1.2	1.2	2.3	3.5	3.5	3.5	2.3
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	2.3	3.5	3.5	3.5	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):

	165°	170°	175°	180°
0°	282.4	282.4	282.4	282.4
2.5°	230.3	230.3	229.2	229.2
5°	194.4	194.4	193.3	193.3
7.5°	140.0	137.7	134.3	135.4
10°	107.6	105.3	103.0	105.3
12.5°	69.4	70.6	70.6	67.1
15°	56.7	61.3	64.8	64.8
17.5°	59.0	59.0	57.9	57.9
20°	49.8	54.4	59.0	59.0
22.5°	50.9	48.6	46.3	46.3
25°	48.6	52.1	54.4	54.4
27.5°	39.3	40.5	41.7	41.7
30°	45.1	47.5	48.6	48.6
32.5°	42.8	45.1	46.3	47.5
35°	44.0	46.3	47.5	47.5
37.5°	39.3	40.5	41.7	41.7
40°	31.2	32.4	33.6	33.6
42.5°	24.3	24.3	23.1	24.3
45°	16.2	16.2	15.0	16.2
47.5°	9.3	9.3	9.3	9.3
50°	5.8	5.8	5.8	5.8
52.5°	3.5	3.5	3.5	3.5
55°	2.3	2.3	2.3	2.3
57.5°	2.3	2.3	1.2	1.2
60°	1.2	1.2	1.2	1.2
62.5°	1.2	1.2	0.0	0.0
65°	0.0	0.0	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°	0.0	0.0	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	0.0	0.0
85°	1.2	1.2	1.2	0.0
87.5°	1.2	1.2	1.2	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)