

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: P560280

Luminaire Tested: **SDL-PA1-30-827-U-T3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560280
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-PA1-30-827-U-T3-HSS
Description: Springdale
(1) 80 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: 2072.1 lumens
Efficiency: N/A
Efficacy: 68.8 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



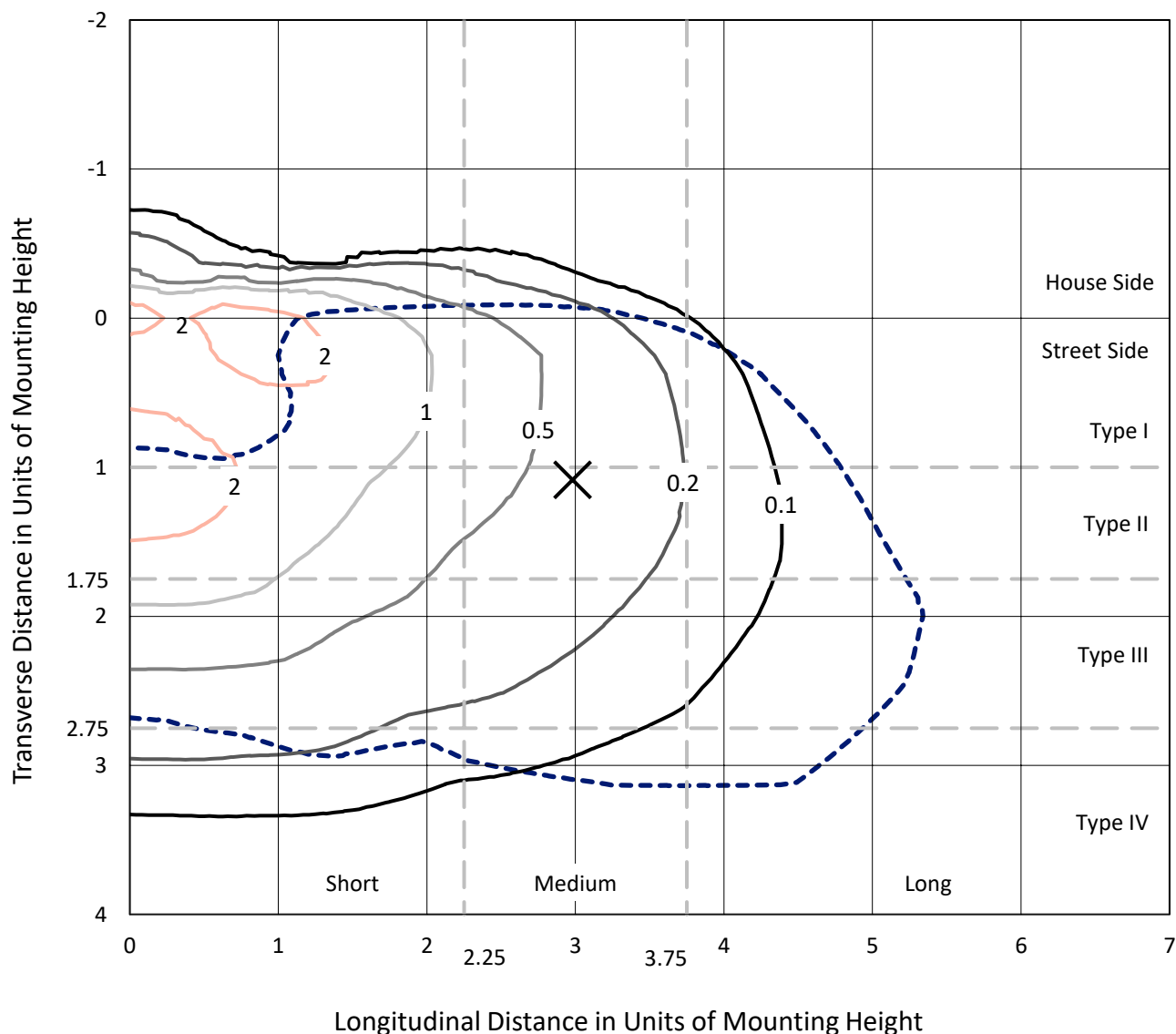
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

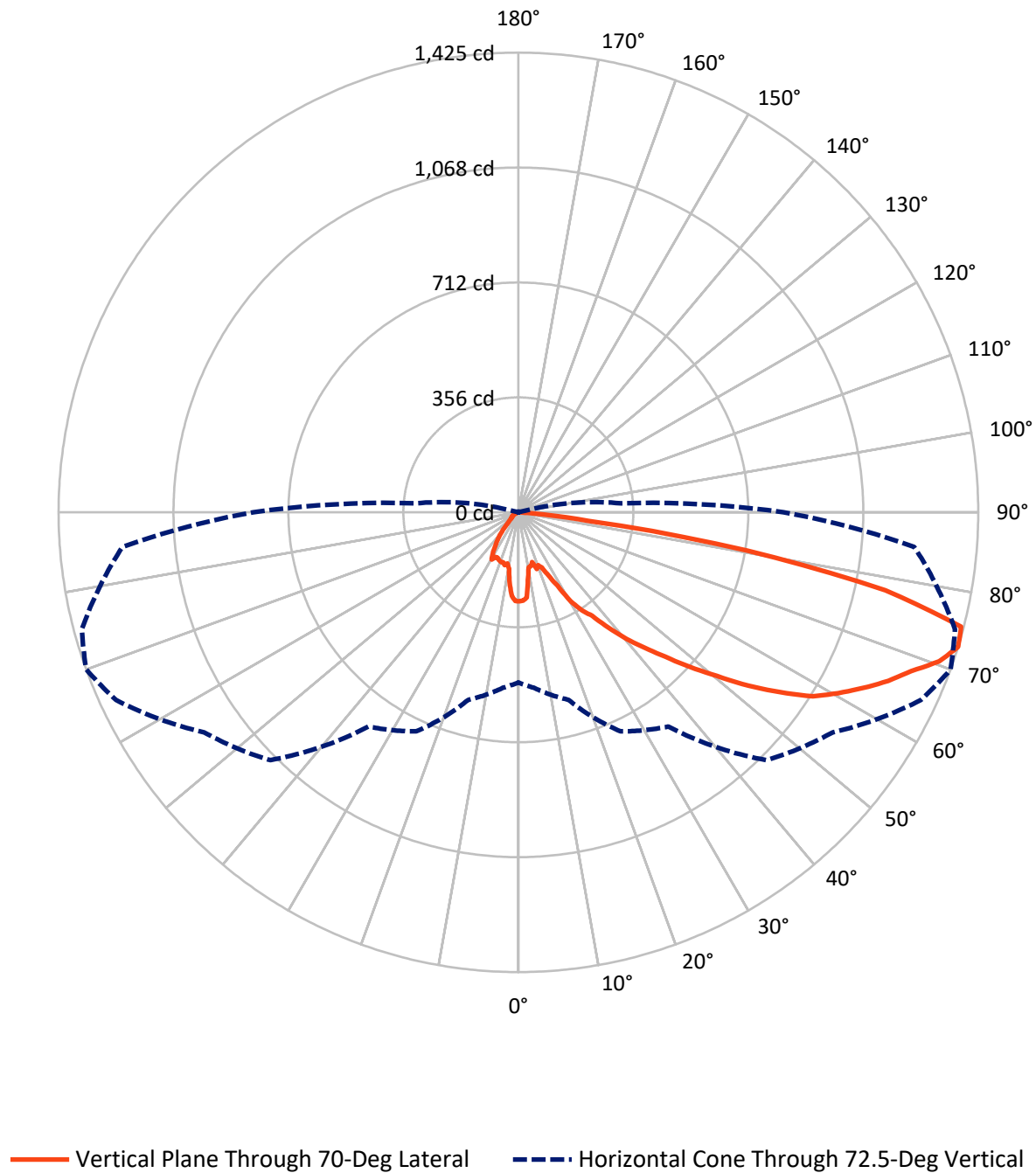


Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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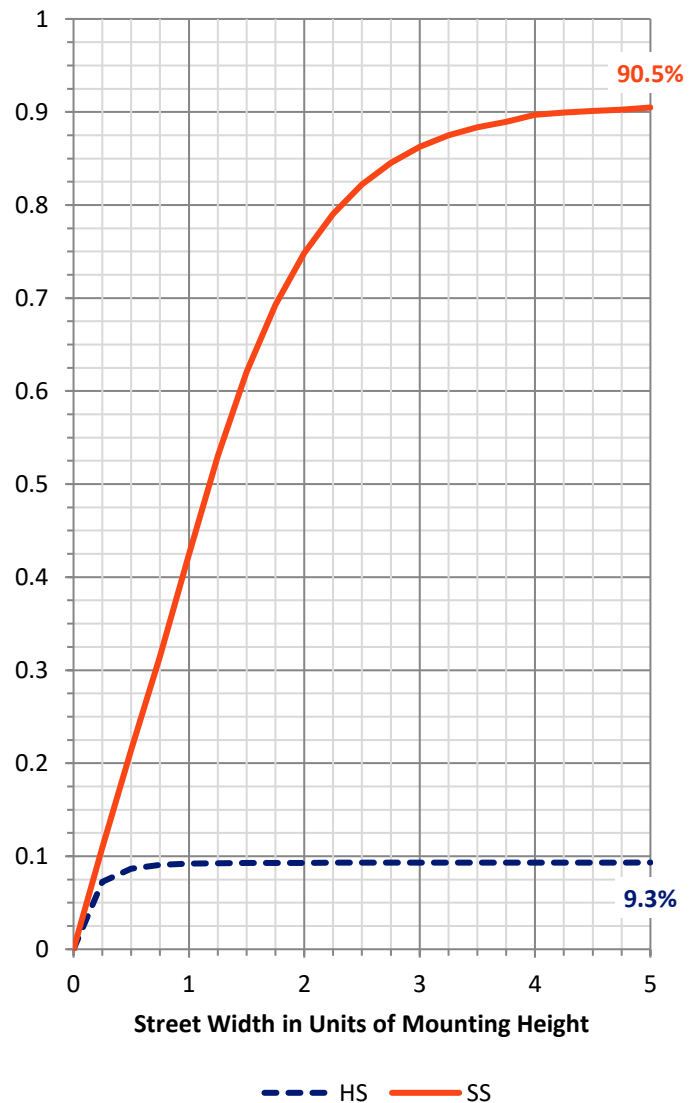
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	195.3	0.0	195.3
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	1876.7	0.0	1876.7
	% Fixture	90.6	0.0	90.6
Total	Lumens	2072.1	0.0	2072.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.2	1.0
10°-20°	42.4	2.0
20°-30°	69.1	3.3
30°-40°	147.5	7.1
40°-50°	284.2	13.7
50°-60°	470.1	22.7
60°-70°	575.4	27.8
70°-80°	421.6	20.3
80°-90°	40.5	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°	2072.1	100.0
0°-180°	2072.1	100.0

Coefficient of Utilization



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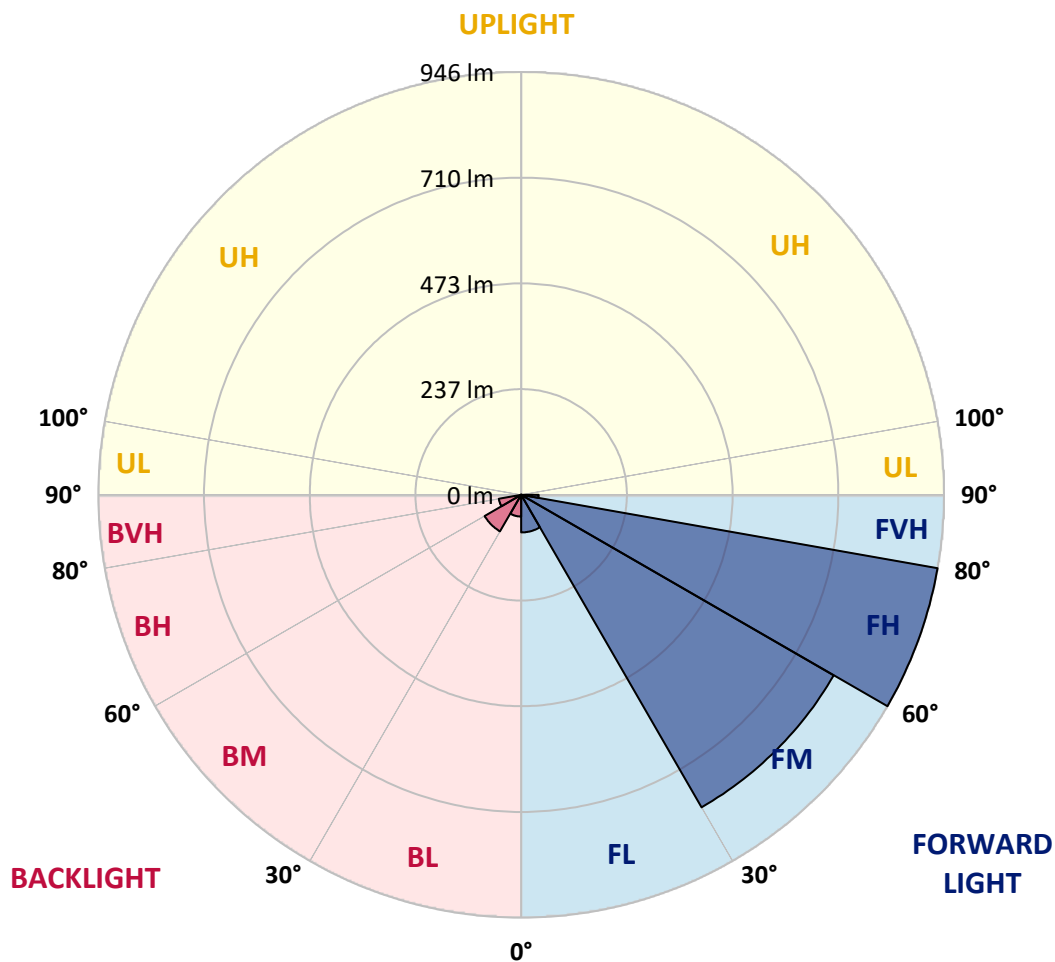
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	84.1	4.1			
FM	(30°-60°)	807.4	39.0			
FH	(60°-80°)	946.1	45.7			G1/1800
FVH	(80°-90°)	39.1	1.9			G1/100
BL	(0°-30°)	48.6	2.3	B0/110		
BM	(30°-60°)	94.4	4.6	B0/220		
BH	(60°-80°)	50.9	2.5	B0/110		G0/110
BVH	(80°-90°)	1.4	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°	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7
2.5°	245.2	252.3	256.4	260.5	259.5	258.5	260.5	262.5	266.6	269.6	271.7
5°	220.8	220.8	220.8	220.8	221.8	221.8	221.8	221.8	222.8	223.9	224.9
7.5°	191.3	195.4	197.4	199.4	204.5	208.6	212.7	216.7	218.8	219.8	220.8
10°	207.6	207.6	207.6	207.6	208.6	208.6	195.4	181.1	182.1	183.2	177.0
12.5°	172.0	170.9	182.1	192.3	199.4	205.5	198.4	190.3	178.1	164.8	162.8
15°	202.5	202.5	202.5	202.5	188.2	174.0	163.8	153.6	161.8	168.9	152.6
17.5°	159.8	163.8	176.0	188.2	188.2	188.2	179.1	169.9	152.6	134.3	153.6
20°	198.4	198.4	198.4	197.4	174.0	150.6	158.7	165.9	173.0	180.1	177.0
22.5°	164.8	162.8	165.9	168.9	176.0	182.1	161.8	140.4	163.8	186.2	175.0
25°	208.6	208.6	209.6	209.6	187.2	164.8	178.1	190.3	173.0	155.7	183.2
27.5°	188.2	182.1	181.1	179.1	186.2	192.3	183.2	174.0	193.3	212.7	203.5
30°	261.5	261.5	254.4	247.3	219.8	191.3	194.3	196.4	196.4	196.4	216.7
32.5°	363.3	364.3	336.8	308.3	283.9	258.5	236.1	212.7	224.9	237.1	250.3
35°	489.4	492.5	473.2	452.8	392.8	332.7	295.1	257.4	256.4	254.4	273.7
37.5°	580.0	586.1	570.8	555.6	484.3	413.1	359.2	305.3	300.2	294.1	301.2
40°	665.5	661.4	652.2	642.1	566.8	490.4	431.4	371.4	358.2	343.9	344.9
42.5°	776.4	764.2	740.8	717.4	645.1	572.9	509.8	446.7	425.3	404.0	399.9
45°	919.8	899.5	865.9	831.3	760.1	688.9	611.5	533.2	506.7	479.3	473.2
47.5°	993.1	978.9	957.5	935.1	861.8	788.6	714.3	639.0	602.4	564.7	554.6
50°	1079.6	1061.3	1047.0	1031.8	968.7	904.6	835.4	765.2	716.3	667.5	650.2
52.5°	1162.0	1131.5	1118.3	1104.0	1054.2	1003.3	931.0	858.8	827.2	794.7	753.0
55°	1191.5	1162.0	1155.9	1149.8	1114.2	1078.6	1012.4	946.3	909.7	872.0	838.4
57.5°	1127.4	1131.5	1149.8	1168.1	1147.8	1127.4	1073.5	1018.5	977.8	937.1	917.8
60°	1083.7	1092.8	1120.3	1147.8	1147.8	1147.8	1118.3	1088.8	1050.1	1011.4	998.2
62.5°	1013.5	1024.6	1066.4	1108.1	1134.5	1161.0	1129.5	1097.9	1084.7	1070.4	1058.2
65°	920.9	923.9	970.7	1017.5	1072.5	1126.4	1096.9	1066.4	1091.8	1117.2	1105.0
67.5°	814.0	819.1	862.9	905.6	970.7	1035.8	1027.7	1018.5	1074.5	1130.5	1129.5
70°	686.8	696.0	733.6	770.3	843.5	915.8	923.9	932.1	1028.7	1124.4	1142.7
72.5°	527.1	545.4	573.9	601.4	675.6	748.9	779.4	810.0	948.3	1085.7	1137.6
75°	175.0	187.2	266.6	344.9	420.2	495.5	562.7	628.8	801.8	973.8	1081.6
77.5°	50.9	52.9	68.2	82.4	141.4	199.4	268.6	336.8	505.7	673.6	852.7
80°	26.5	27.5	30.5	33.6	48.8	64.1	92.6	120.1	197.4	274.7	463.0
82.5°	18.3	18.3	21.4	23.4	29.5	35.6	50.9	66.1	72.2	78.3	186.2
85°	6.1	6.1	8.1	10.2	14.2	18.3	27.5	35.6	35.6	34.6	49.9
87.5°	1.0	1.0	2.0	3.1	5.1	6.1	5.1	4.1	3.1	2.0	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7
2.5°	272.7	273.7	273.7	273.7	274.7	274.7	274.7	274.7	273.7	274.7	274.7
5°	224.9	243.2	260.5	265.6	268.6	269.6	269.6	269.6	268.6	268.6	268.6
7.5°	221.8	220.8	219.8	211.6	231.0	235.0	238.1	237.1	237.1	232.0	225.9
10°	170.9	170.9	170.9	173.0	184.2	197.4	210.6	210.6	210.6	195.4	180.1
12.5°	159.8	165.9	170.9	170.9	152.6	167.9	183.2	183.2	183.2	167.9	151.6
15°	136.3	143.5	149.6	159.8	190.3	208.6	226.9	226.9	225.9	208.6	190.3
17.5°	172.0	169.9	166.9	185.2	174.0	177.0	180.1	170.9	184.2	179.1	174.0
20°	174.0	155.7	136.3	175.0	214.7	232.0	249.3	250.3	247.3	227.9	207.6
22.5°	163.8	187.2	209.6	185.2	191.3	187.2	182.1	180.1	180.1	179.1	178.1
25°	209.6	187.2	164.8	216.7	253.4	265.6	277.8	274.7	270.7	243.2	215.7
27.5°	193.3	215.7	237.1	257.4	275.7	286.9	298.1	329.7	286.9	255.4	222.8
30°	236.1	263.5	290.0	319.5	375.5	391.7	408.0	399.9	389.7	328.7	267.6
32.5°	262.5	306.3	349.0	362.2	395.8	411.1	425.3	418.2	406.0	325.6	245.2
35°	292.0	332.7	372.4	393.8	434.5	446.7	457.9	446.7	433.5	322.6	211.6
37.5°	308.3	363.3	417.2	453.8	488.4	491.5	493.5	483.3	466.0	322.6	179.1
40°	346.0	405.0	463.0	515.9	543.4	544.4	545.4	529.1	497.6	319.5	140.4
42.5°	395.8	455.9	514.9	572.9	609.5	606.4	602.4	580.0	528.1	314.4	100.7
45°	467.0	520.0	572.9	638.0	682.8	674.6	665.5	631.9	549.5	309.3	68.2
47.5°	543.4	585.1	625.8	715.3	772.3	755.0	736.7	687.8	564.7	307.3	48.8
50°	631.9	665.5	699.0	796.7	864.9	832.3	799.8	743.8	570.8	305.3	38.7
52.5°	710.2	744.8	778.4	892.4	944.3	907.6	871.0	787.6	567.8	301.2	33.6
55°	803.8	834.4	864.9	983.9	1025.7	976.8	927.0	819.1	552.5	292.0	30.5
57.5°	897.5	929.0	959.5	1075.5	1087.7	1039.9	991.1	849.6	537.3	282.9	27.5
60°	985.0	1020.6	1056.2	1137.6	1146.8	1104.0	1061.3	879.1	512.8	268.6	24.4
62.5°	1046.0	1094.9	1143.7	1198.6	1202.7	1164.1	1124.4	901.5	481.3	252.3	22.4
65°	1091.8	1159.0	1225.1	1258.7	1256.6	1229.2	1201.7	920.9	455.9	237.1	18.3
67.5°	1127.4	1208.8	1290.2	1312.6	1317.7	1292.3	1266.8	923.9	424.3	219.8	14.2
70°	1161.0	1250.5	1340.1	1382.8	1372.6	1333.0	1293.3	900.5	381.6	196.4	10.2
72.5°	1188.5	1282.1	1375.7	1424.5	1400.1	1315.7	1231.2	821.1	319.5	163.8	7.1
75°	1188.5	1282.1	1374.7	1416.4	1333.0	1165.1	996.2	611.5	187.2	96.7	6.1
77.5°	1031.8	1099.9	1168.1	1162.0	1015.5	806.9	597.3	352.1	63.1	34.6	5.1
80°	651.2	696.0	740.8	718.4	518.9	372.4	224.9	118.0	22.4	13.2	4.1
82.5°	294.1	289.0	283.9	218.8	101.8	68.2	33.6	20.4	6.1	4.1	2.0
85°	65.1	63.1	61.1	44.8	30.5	20.4	10.2	6.1	3.1	3.1	2.0
87.5°	6.1	7.1	7.1	5.1	5.1	4.1	2.0	2.0	2.0	2.0	2.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7
2.5°	274.7	274.7	274.7	273.7	273.7	273.7	266.6	258.5	253.4	247.3	244.2
5°	259.5	250.3	239.1	227.9	225.9	222.8	223.9	223.9	224.9	224.9	224.9
7.5°	220.8	215.7	217.8	219.8	219.8	219.8	219.8	218.8	217.8	216.7	206.6
10°	176.0	172.0	172.0	172.0	175.0	177.0	172.0	165.9	175.0	183.2	181.1
12.5°	161.8	172.0	158.7	144.5	146.5	147.5	147.5	146.5	142.5	138.4	124.1
15°	168.9	147.5	135.3	122.1	122.1	122.1	98.7	75.3	70.2	65.1	66.1
17.5°	161.8	149.6	135.3	120.1	90.6	60.0	57.0	52.9	52.9	52.9	53.9
20°	162.8	118.0	99.7	81.4	65.1	47.8	44.8	40.7	38.7	35.6	41.7
22.5°	159.8	140.4	95.6	50.9	44.8	38.7	35.6	31.5	36.6	41.7	41.7
25°	154.7	92.6	69.2	44.8	37.6	30.5	34.6	37.6	35.6	32.6	37.6
27.5°	155.7	87.5	60.0	32.6	34.6	35.6	33.6	30.5	33.6	35.6	33.6
30°	167.9	68.2	50.9	32.6	31.5	29.5	30.5	31.5	30.5	28.5	30.5
32.5°	149.6	53.9	42.7	30.5	29.5	28.5	27.5	26.5	27.5	27.5	27.5
35°	126.2	40.7	34.6	28.5	26.5	24.4	24.4	23.4	23.4	23.4	23.4
37.5°	106.8	34.6	30.5	25.4	23.4	21.4	20.4	18.3	18.3	17.3	17.3
40°	86.5	31.5	27.5	22.4	20.4	17.3	16.3	14.2	14.2	13.2	13.2
42.5°	65.1	28.5	24.4	19.3	17.3	14.2	12.2	10.2	10.2	9.2	9.2
45°	46.8	25.4	21.4	16.3	14.2	11.2	9.2	7.1	7.1	6.1	6.1
47.5°	36.6	23.4	19.3	14.2	11.2	8.1	7.1	5.1	5.1	5.1	5.1
50°	29.5	20.4	16.3	11.2	8.1	5.1	4.1	3.1	3.1	3.1	3.1
52.5°	26.5	18.3	14.2	9.2	7.1	4.1	3.1	2.0	3.1	3.1	3.1
55°	23.4	16.3	12.2	7.1	5.1	3.1	3.1	2.0	3.1	3.1	3.1
57.5°	21.4	14.2	10.2	5.1	4.1	2.0	2.0	1.0	2.0	2.0	2.0
60°	18.3	12.2	8.1	4.1	3.1	1.0	1.0	1.0	2.0	2.0	2.0
62.5°	16.3	10.2	7.1	3.1	2.0	1.0	1.0	1.0	2.0	2.0	2.0
65°	13.2	7.1	5.1	2.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0
67.5°	10.2	5.1	4.1	2.0	2.0	1.0	1.0	1.0	2.0	2.0	1.0
70°	7.1	4.1	3.1	1.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0
72.5°	5.1	3.1	2.0	1.0	1.0	0.0	1.0	1.0	2.0	2.0	2.0
75°	5.1	3.1	2.0	1.0	1.0	0.0	1.0	2.0	2.0	2.0	2.0
77.5°	4.1	2.0	2.0	1.0	1.0	0.0	1.0	2.0	2.0	2.0	2.0
80°	3.1	2.0	2.0	1.0	1.0	0.0	2.0	3.1	3.1	3.1	2.0
82.5°	2.0	2.0	2.0	1.0	1.0	0.0	2.0	3.1	3.1	3.1	2.0
85°	2.0	2.0	2.0	2.0	1.0	0.0	2.0	3.1	3.1	3.1	3.1
87.5°	2.0	2.0	2.0	2.0	2.0	1.0	3.1	4.1	4.1	3.1	3.1
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):

	165°	170°	175°	180°
0°	275.7	275.7	275.7	275.7
2.5°	240.1	240.1	239.1	242.2
5°	224.9	224.9	224.9	225.9
7.5°	195.4	188.2	181.1	182.1
10°	178.1	176.0	173.0	175.0
12.5°	109.9	103.8	96.7	93.6
15°	67.2	67.2	67.2	66.1
17.5°	54.9	50.9	45.8	46.8
20°	47.8	48.8	49.9	49.9
22.5°	41.7	39.7	37.6	37.6
25°	41.7	41.7	41.7	41.7
27.5°	31.5	31.5	30.5	30.5
30°	32.6	32.6	31.5	30.5
32.5°	26.5	26.5	26.5	26.5
35°	22.4	21.4	20.4	20.4
37.5°	17.3	16.3	15.3	15.3
40°	12.2	12.2	11.2	11.2
42.5°	9.2	9.2	8.1	8.1
45°	6.1	6.1	6.1	6.1
47.5°	4.1	4.1	4.1	4.1
50°	3.1	3.1	3.1	3.1
52.5°	3.1	3.1	2.0	2.0
55°	2.0	2.0	2.0	2.0
57.5°	2.0	2.0	2.0	2.0
60°	2.0	2.0	1.0	1.0
62.5°	1.0	1.0	1.0	1.0
65°	1.0	1.0	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°	1.0	1.0	0.0	0.0
75°	1.0	1.0	0.0	0.0
77.5°	1.0	1.0	0.0	0.0
80°	1.0	1.0	0.0	0.0
82.5°	1.0	1.0	1.0	0.0
85°	2.0	2.0	1.0	0.0
87.5°	2.0	2.0	1.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)