

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: P560281

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560281
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-PA1-30-827-U-T3
Description: Springdale
(1) 80 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2784.1 lumens
Efficiency: N/A
Efficacy: 92.5 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: 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

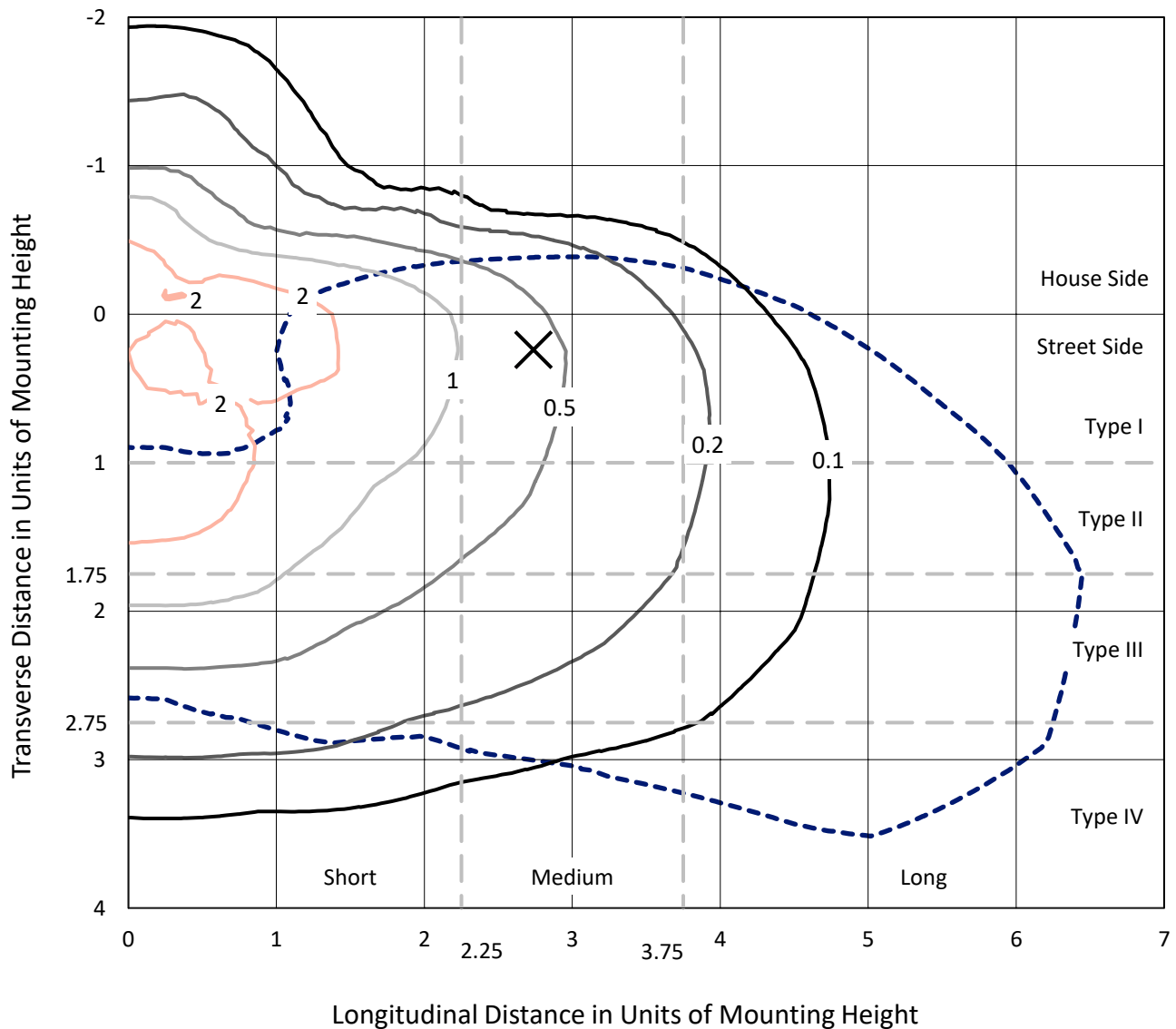


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

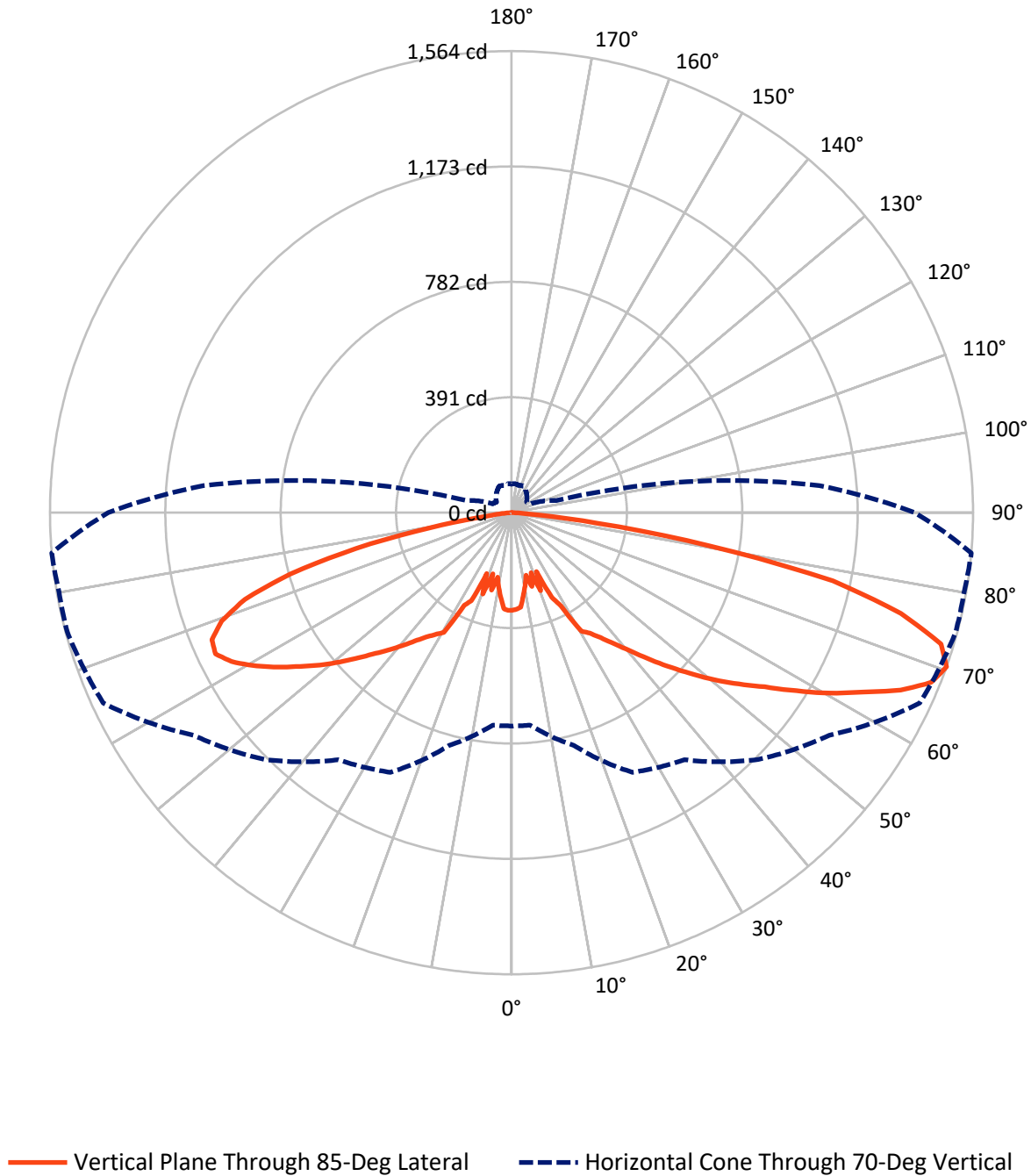


Based on 10 foot mounting height. Maximum calculated value = 3.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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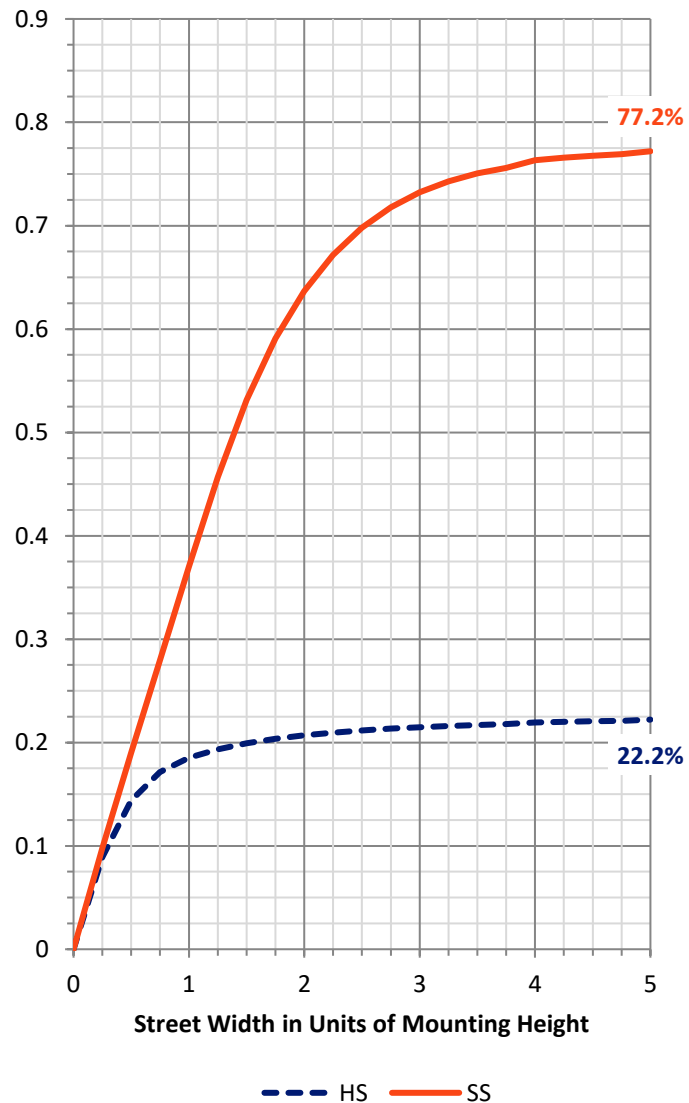
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	629.5	0.0	629.5
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	2154.6	0.0	2154.6
	% Fixture	77.4	0.0	77.4
Total	Lumens	2784.1	0.0	2784.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.9	1.0
10°-20°	67.2	2.4
20°-30°	122.9	4.4
30°-40°	232.0	8.3
40°-50°	378.0	13.6
50°-60°	583.1	20.9
60°-70°	714.7	25.7
70°-80°	559.7	20.1
80°-90°	99.7	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°	2784.1	100.0
0°-180°	2784.1	100.0

Coefficient of Utilization



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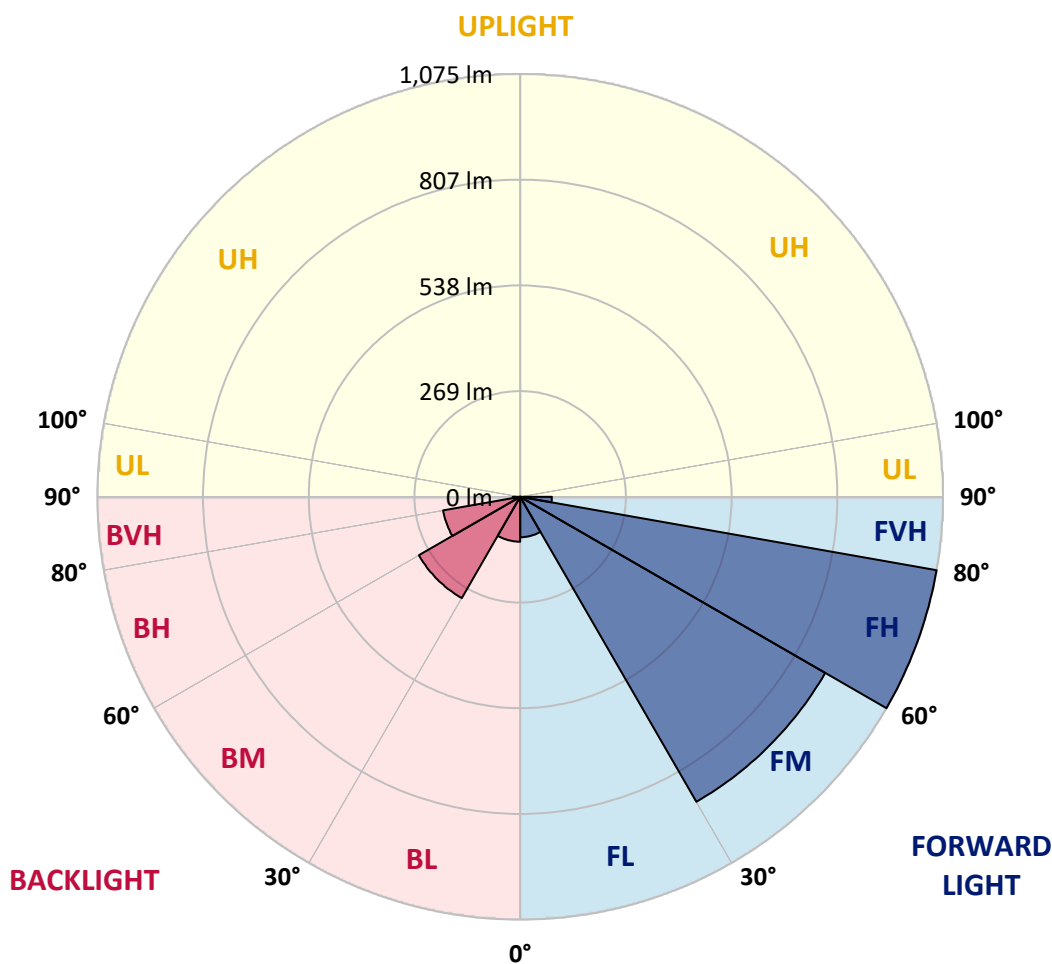
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	102.8	3.7			
FM	(30°-60°)	895.7	32.2			
FH	(60°-80°)	1075.4	38.6			G1/1800
FVH	(80°-90°)	80.7	2.9			G1/100
BL	(0°-30°)	114.2	4.1	B1/500		
BM	(30°-60°)	297.4	10.7	B1/1000		
BH	(60°-80°)	199.0	7.1	B1/500		G1/500
BVH	(80°-90°)	19.0	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°	330.7	330.7	330.7	330.7	330.7	330.7	330.7	330.7	330.7	330.7	330.7
2.5°	272.7	297.1	297.1	297.1	302.2	306.3	308.3	309.3	313.4	316.5	318.5
5°	254.4	255.4	255.4	255.4	256.4	257.4	258.5	259.5	261.5	262.5	265.6
7.5°	213.7	217.8	225.9	233.0	238.1	243.2	247.3	250.3	252.4	254.4	255.4
10°	238.1	238.1	238.1	238.1	238.1	238.1	225.9	213.7	214.7	214.7	208.6
12.5°	199.4	205.5	214.7	222.8	230.0	236.1	227.9	219.8	204.5	189.3	189.3
15°	231.0	231.0	230.0	229.0	215.7	202.5	190.3	178.1	186.2	194.4	180.1
17.5°	198.4	199.4	211.7	222.8	220.8	217.8	206.6	194.4	175.0	154.7	175.0
20°	254.4	251.3	245.2	239.1	210.6	182.1	187.2	192.3	197.4	201.5	201.5
22.5°	234.0	236.1	240.1	244.2	241.2	237.1	207.6	178.1	195.4	212.7	197.4
25°	320.5	320.5	308.3	296.1	265.6	234.0	239.1	243.2	213.7	183.2	208.6
27.5°	296.1	294.1	289.0	282.9	289.0	294.1	267.6	240.1	248.3	256.4	235.1
30°	393.8	393.8	388.7	383.6	339.9	295.1	292.0	288.0	270.7	252.4	264.6
32.5°	472.2	471.1	447.7	424.3	399.9	374.5	348.0	320.5	318.5	316.5	314.4
35°	565.8	565.8	552.5	539.3	485.4	430.4	398.9	367.3	358.2	349.0	356.1
37.5°	618.7	625.8	620.7	614.6	555.6	495.6	451.8	407.0	397.9	388.7	391.8
40°	691.9	689.9	688.9	686.9	618.7	550.5	503.7	455.9	449.8	443.7	443.7
42.5°	802.9	791.7	779.5	766.2	697.0	627.8	575.9	523.0	511.8	499.6	500.6
45°	955.5	943.3	914.8	885.3	815.1	744.9	675.7	606.5	587.1	566.8	564.7
47.5°	1049.1	1035.9	1021.6	1006.4	931.1	855.8	784.5	712.3	683.8	655.3	644.1
50°	1145.8	1133.6	1122.4	1111.2	1045.0	978.9	907.7	836.4	791.7	746.9	727.6
52.5°	1237.4	1215.0	1203.8	1192.6	1136.6	1079.6	1005.4	931.1	897.5	863.9	822.2
55°	1282.1	1254.7	1250.6	1245.5	1203.8	1161.0	1089.8	1018.6	980.9	942.3	900.5
57.5°	1219.0	1221.1	1243.5	1265.9	1242.4	1219.0	1151.9	1084.7	1047.1	1009.4	977.9
60°	1162.1	1177.3	1204.8	1232.3	1234.3	1235.3	1199.7	1164.1	1122.4	1080.7	1056.2
62.5°	1083.7	1094.9	1137.6	1179.4	1210.9	1241.4	1204.8	1168.2	1153.9	1138.7	1123.4
65°	977.9	980.9	1029.8	1077.6	1134.6	1190.6	1162.1	1133.6	1158.0	1181.4	1183.4
67.5°	848.7	857.8	905.6	953.5	1022.7	1090.8	1089.8	1088.8	1140.7	1191.6	1227.2
70°	722.5	722.5	769.3	816.1	893.4	970.8	996.2	1021.6	1102.0	1182.4	1248.6
72.5°	544.4	569.8	594.3	618.7	705.2	790.6	846.6	902.6	1022.7	1141.7	1242.4
75°	300.2	302.2	323.6	345.0	431.4	517.9	602.4	686.9	847.6	1008.4	1167.1
77.5°	98.7	95.7	107.9	119.1	169.9	219.8	291.0	362.3	539.3	716.4	971.8
80°	54.9	56.0	60.0	64.1	80.4	95.7	130.2	164.8	240.1	314.4	617.7
82.5°	36.6	37.6	41.7	45.8	52.9	60.0	79.4	97.7	104.8	110.9	278.8
85°	23.4	24.4	26.5	28.5	30.5	31.5	44.8	58.0	52.9	47.8	83.4
87.5°	5.1	5.1	6.1	6.1	7.1	8.1	10.2	12.2	11.2	9.2	12.2
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°	330.7	330.7	330.7	330.7	330.7	330.7	330.7	330.7	330.7	330.7	330.7
2.5°	319.5	321.6	322.6	323.6	324.6	326.6	327.7	328.7	330.7	331.7	331.7
5°	268.6	287.0	304.3	310.4	316.5	319.5	321.6	324.6	326.6	328.7	330.7
7.5°	256.4	257.4	258.5	265.6	272.7	278.8	284.9	287.0	292.0	289.0	284.9
10°	201.5	202.5	202.5	209.6	216.7	238.1	252.4	255.4	258.5	246.3	233.0
12.5°	188.2	193.3	198.4	195.4	192.3	207.6	217.8	221.8	223.9	215.7	207.6
15°	164.8	169.9	174.0	197.4	220.8	241.2	259.5	264.6	270.7	257.4	243.2
17.5°	195.4	193.3	190.3	194.4	198.4	203.5	213.7	216.7	216.7	220.8	224.9
20°	201.5	179.1	156.7	198.4	240.1	258.5	281.9	290.0	292.0	280.8	269.7
22.5°	181.1	206.6	232.0	226.9	221.8	216.7	216.7	219.8	222.8	224.9	226.9
25°	233.0	211.7	190.3	239.1	288.0	307.3	318.5	323.6	327.7	313.4	298.1
27.5°	213.7	242.2	269.7	291.0	312.4	333.8	357.2	379.6	352.1	338.8	325.6
30°	275.8	299.2	322.6	373.4	424.3	451.8	466.0	466.0	466.0	446.7	426.4
32.5°	312.4	353.1	393.8	421.3	447.7	475.2	486.4	486.4	486.4	463.0	438.6
35°	362.3	394.8	427.4	458.9	490.5	511.8	520.0	516.9	510.8	479.3	447.7
37.5°	394.8	438.6	482.3	514.9	546.4	559.7	562.7	553.6	544.4	502.7	459.9
40°	443.7	491.5	538.3	572.9	607.5	618.7	612.6	600.4	584.1	528.1	472.2
42.5°	500.6	548.5	596.3	637.0	676.7	683.8	674.6	655.3	626.8	550.5	473.2
45°	562.7	610.5	657.3	703.1	748.9	754.0	741.8	713.3	671.6	571.9	472.2
47.5°	631.9	669.6	707.2	772.3	837.5	831.4	813.0	780.5	725.5	597.3	468.1
50°	708.2	737.7	766.2	847.6	929.0	910.7	890.4	854.8	782.5	626.8	470.1
52.5°	779.5	807.9	836.4	920.9	1004.3	987.0	964.7	933.1	840.5	658.4	475.2
55°	858.8	889.4	919.9	1009.4	1099.0	1069.5	1041.0	1020.6	897.5	684.8	472.2
57.5°	945.3	984.0	1022.7	1105.1	1186.5	1154.9	1138.7	1112.2	960.6	716.4	472.2
60°	1031.8	1078.6	1125.4	1197.7	1269.9	1244.5	1241.4	1204.8	1019.6	739.8	458.9
62.5°	1108.1	1178.3	1248.6	1305.5	1361.5	1337.1	1338.1	1295.4	1074.6	744.9	414.1
65°	1185.5	1276.0	1365.6	1407.3	1449.0	1431.7	1449.0	1372.7	1111.2	724.5	337.8
67.5°	1261.8	1361.5	1461.2	1492.8	1524.3	1514.1	1534.5	1398.1	1103.0	671.6	239.1
70°	1314.7	1420.5	1526.4	1542.6	1558.9	1556.9	1564.0	1366.6	1048.1	603.4	157.7
72.5°	1343.2	1442.9	1541.6	1548.7	1554.8	1551.8	1522.3	1267.9	949.4	529.1	108.9
75°	1324.9	1421.5	1518.2	1504.0	1489.7	1461.2	1362.5	1091.8	778.4	429.4	80.4
77.5°	1227.2	1332.0	1436.8	1400.2	1362.5	1279.1	1113.2	818.1	541.3	302.2	62.1
80°	920.9	1050.1	1179.4	1135.6	1090.8	914.8	677.7	457.9	279.8	163.8	47.8
82.5°	445.7	517.9	590.2	579.0	567.8	420.3	293.1	164.8	80.4	59.0	37.6
85°	118.0	175.0	232.0	221.8	211.7	111.9	48.8	42.7	31.5	29.5	26.5
87.5°	14.2	16.3	17.3	12.2	6.1	5.1	5.1	3.1	3.1	4.1	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	330.7	330.7	330.7	330.7	330.7	330.7	330.7	330.7	330.7	330.7	330.7
2.5°	333.8	334.8	334.8	334.8	334.8	334.8	326.6	318.5	316.5	314.4	310.4
5°	321.6	311.4	304.3	297.1	297.1	296.1	299.2	302.2	304.3	305.3	306.3
7.5°	285.9	287.0	293.1	298.1	303.2	307.3	310.4	312.4	310.4	307.3	295.1
10°	234.0	235.1	240.1	244.2	251.3	257.4	274.7	291.0	310.4	329.7	334.8
12.5°	222.8	237.1	229.0	220.8	243.2	264.6	287.0	308.3	323.6	337.8	327.7
15°	226.9	210.6	213.7	216.7	244.2	271.7	255.4	238.1	278.8	319.5	328.7
17.5°	225.9	225.9	241.2	256.4	231.0	204.5	242.2	278.8	295.1	310.4	298.1
20°	241.2	211.7	222.8	233.0	253.4	272.7	256.4	240.1	246.3	252.4	292.0
22.5°	251.3	274.7	249.3	222.8	241.2	259.5	256.4	253.4	271.7	290.0	279.8
25°	262.5	225.9	244.2	261.5	241.2	219.8	236.1	251.3	246.3	241.2	272.7
27.5°	301.2	275.8	252.4	229.0	241.2	252.4	240.1	226.9	232.0	237.1	235.1
30°	364.3	301.2	271.7	242.2	226.9	210.6	211.7	212.7	218.8	224.9	242.2
32.5°	380.6	322.6	279.8	237.1	226.9	216.7	207.6	197.4	206.6	215.7	236.1
35°	384.6	320.5	274.7	229.0	212.7	196.4	190.3	184.2	199.4	214.7	233.0
37.5°	382.6	304.3	255.4	206.6	194.4	182.1	179.1	175.0	185.2	194.4	207.6
40°	377.5	282.9	234.0	185.2	175.0	164.8	162.8	160.8	167.9	175.0	183.2
42.5°	368.4	262.5	213.7	164.8	157.7	150.6	148.6	145.5	151.6	157.7	160.8
45°	357.2	242.2	196.4	149.6	144.5	138.4	135.3	131.3	137.4	142.5	143.5
47.5°	346.0	222.8	181.1	138.4	134.3	129.2	126.2	122.1	127.2	131.3	132.3
50°	336.8	202.5	164.8	127.2	123.1	119.1	116.0	112.9	118.0	122.1	122.1
52.5°	331.7	187.2	150.6	114.0	111.9	109.9	108.9	106.8	110.9	115.0	116.0
55°	319.5	165.9	134.3	101.8	102.8	102.8	101.8	99.7	107.9	115.0	118.0
57.5°	306.3	140.4	117.0	92.6	94.6	96.7	97.7	98.7	107.9	116.0	120.1
60°	289.0	119.1	101.8	84.5	87.5	89.5	94.6	98.7	106.8	115.0	117.0
62.5°	258.5	101.8	89.5	77.3	81.4	85.5	91.6	97.7	103.8	109.9	109.9
65°	213.7	88.5	80.4	71.2	77.3	82.4	89.5	96.7	101.8	105.8	104.8
67.5°	159.8	79.4	73.3	66.1	73.3	79.4	85.5	91.6	97.7	103.8	101.8
70°	115.0	71.2	67.2	62.1	68.2	74.3	80.4	86.5	92.6	98.7	97.7
72.5°	87.5	65.1	61.1	57.0	63.1	68.2	75.3	82.4	88.5	94.6	92.6
75°	70.2	59.0	56.0	51.9	58.0	64.1	71.2	77.3	83.4	89.5	87.5
77.5°	58.0	52.9	49.9	46.8	51.9	57.0	64.1	71.2	77.3	82.4	80.4
80°	46.8	44.8	42.7	39.7	45.8	50.9	58.0	64.1	69.2	74.3	71.2
82.5°	36.6	35.6	34.6	32.6	37.6	42.7	49.9	57.0	61.1	65.1	63.1
85°	27.5	27.5	26.5	25.4	29.5	32.6	36.6	39.7	43.8	46.8	44.8
87.5°	4.1	4.1	6.1	7.1	7.1	7.1	10.2	13.2	13.2	12.2	10.2
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):

	165°	170°	175°	180°
0°	330.7	330.7	330.7	330.7
2.5°	306.3	306.3	306.3	307.3
5°	307.3	308.3	308.3	310.4
7.5°	281.9	280.8	279.8	279.8
10°	338.8	340.9	341.9	343.9
12.5°	316.5	304.3	292.0	292.0
15°	337.8	339.9	340.9	342.9
17.5°	285.9	284.9	283.9	281.9
20°	330.7	332.7	333.8	333.8
22.5°	269.7	269.7	268.6	268.6
25°	304.3	304.3	304.3	306.3
27.5°	232.0	239.1	246.3	255.4
30°	259.5	260.5	261.5	261.5
32.5°	256.4	269.7	282.9	284.9
35°	251.3	251.3	250.3	251.3
37.5°	220.8	217.8	213.7	215.7
40°	190.3	183.2	176.0	175.0
42.5°	163.8	157.7	150.6	150.6
45°	144.5	140.4	135.3	133.3
47.5°	132.3	128.2	124.1	123.1
50°	121.1	117.0	112.9	112.9
52.5°	117.0	114.0	109.9	108.9
55°	121.1	115.0	108.9	106.8
57.5°	123.1	116.0	108.9	105.8
60°	118.0	114.0	108.9	104.8
62.5°	108.9	106.8	104.8	102.8
65°	102.8	102.8	101.8	99.7
67.5°	99.7	100.7	100.7	98.7
70°	95.7	97.7	98.7	96.7
72.5°	90.6	91.6	91.6	88.5
75°	84.5	83.4	82.4	80.4
77.5°	77.3	76.3	74.3	72.2
80°	68.2	67.2	66.1	63.1
82.5°	60.0	62.1	63.1	51.9
85°	41.7	37.6	33.6	27.5
87.5°	8.1	6.1	3.1	3.1
90°	0.0	0.0	0.0	0.0

(END OF REPORT)