

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: P560171

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560171
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-PA1-30-727-U-T3
Description: Springdale
(1) 70 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: 3167.3 lumens
Efficiency: N/A
Efficacy: 105.2 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

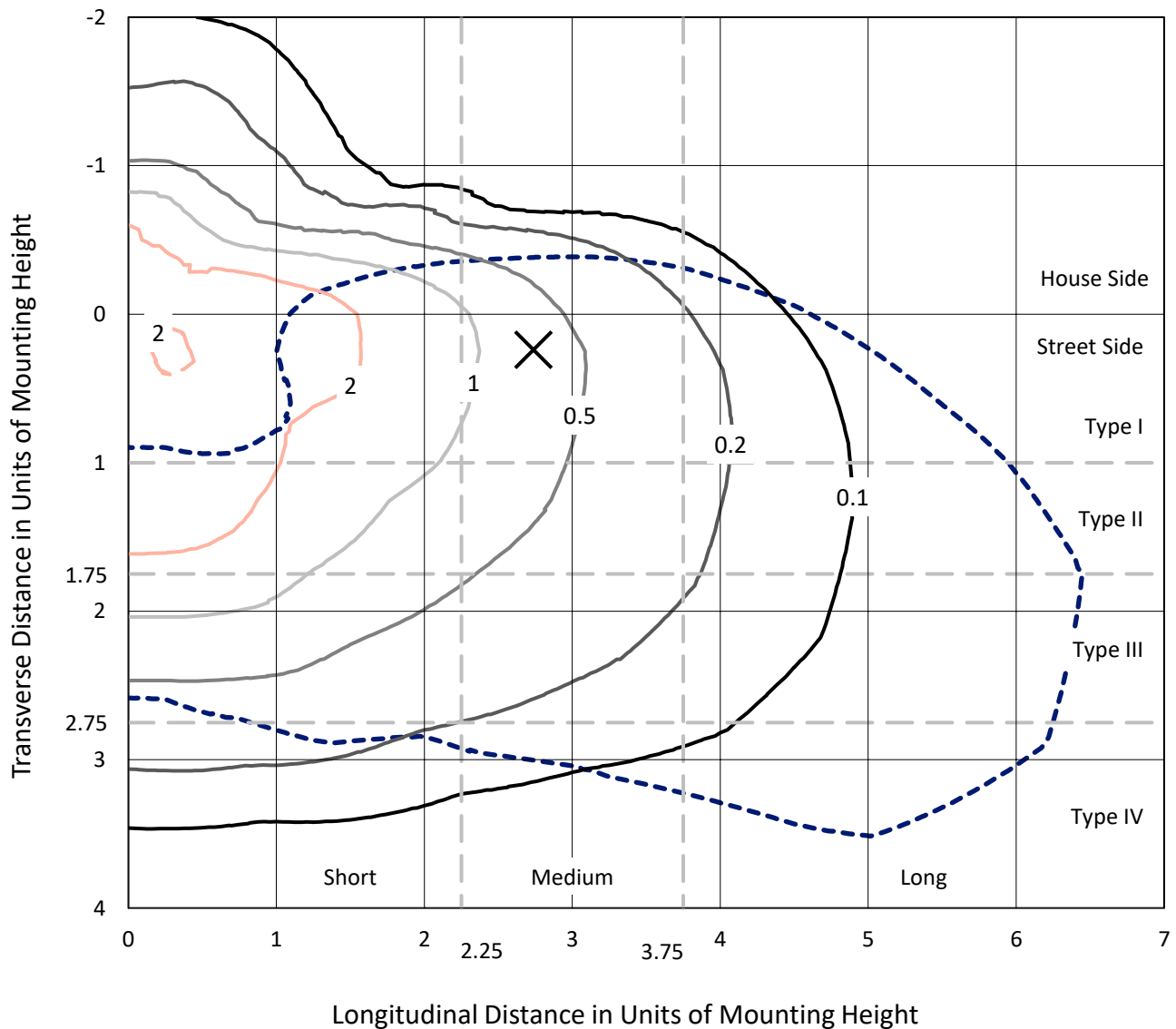


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

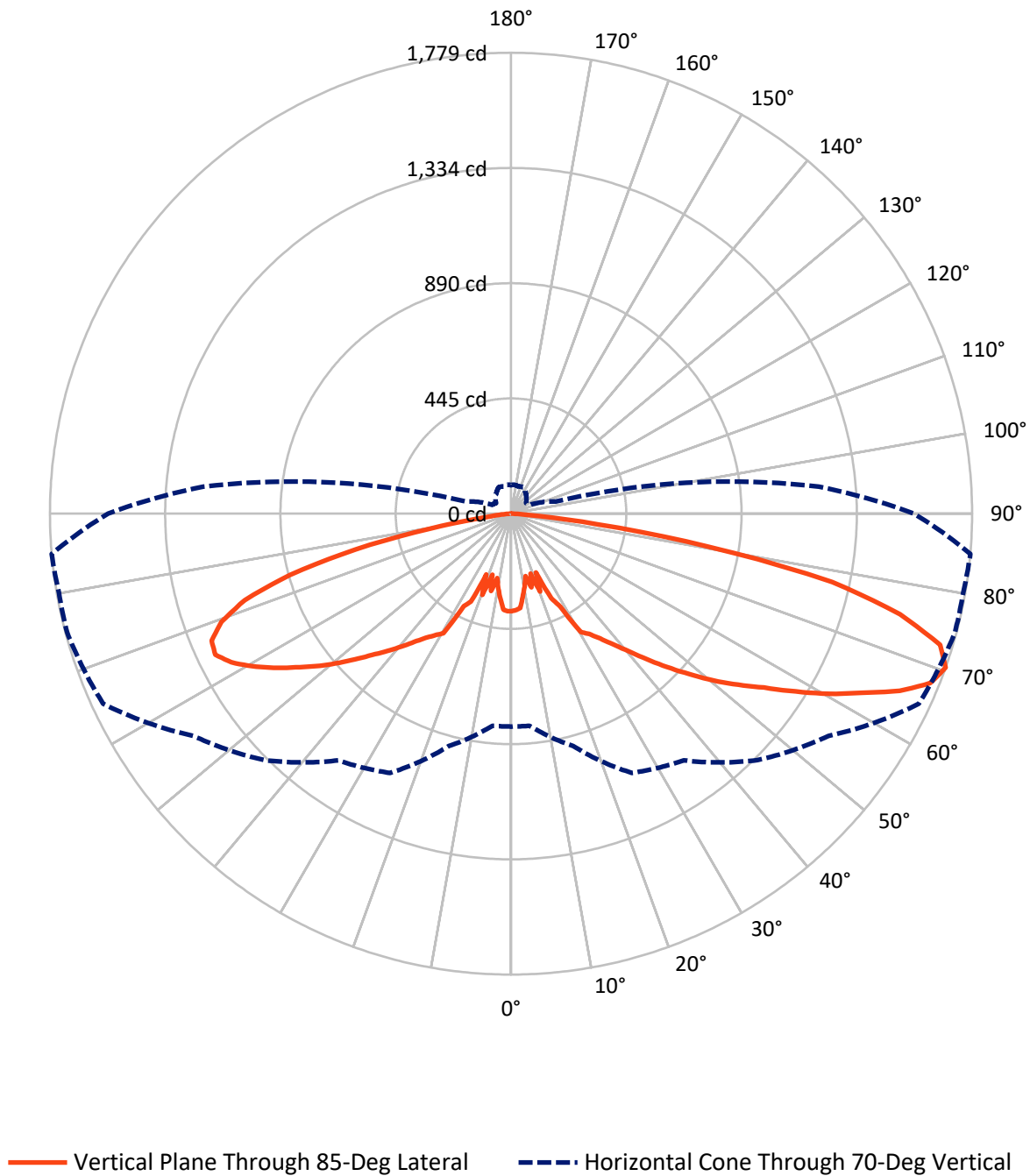


Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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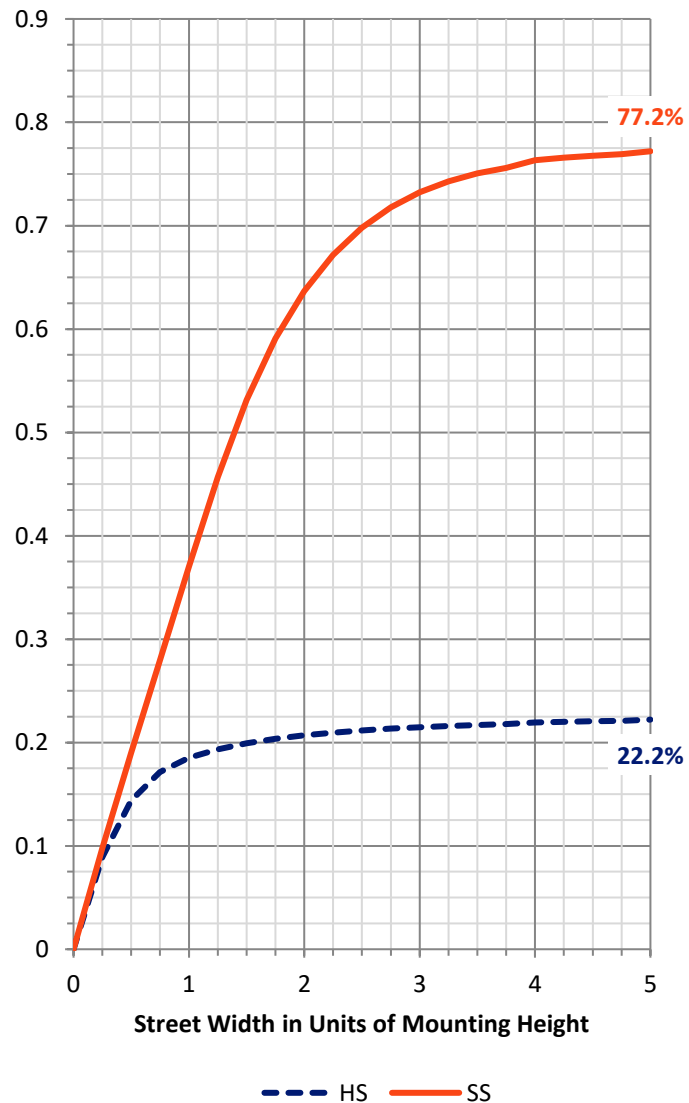
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	716.1	0.0	716.1
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	2451.2	0.0	2451.2
	% Fixture	77.4	0.0	77.4
Total	Lumens	3167.3	0.0	3167.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.6	1.0
10°-20°	76.5	2.4
20°-30°	139.8	4.4
30°-40°	264.0	8.3
40°-50°	430.0	13.6
50°-60°	663.3	20.9
60°-70°	813.1	25.7
70°-80°	636.8	20.1
80°-90°	113.4	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°	3167.3	100.0
0°-180°	3167.3	100.0

Coefficient of Utilization



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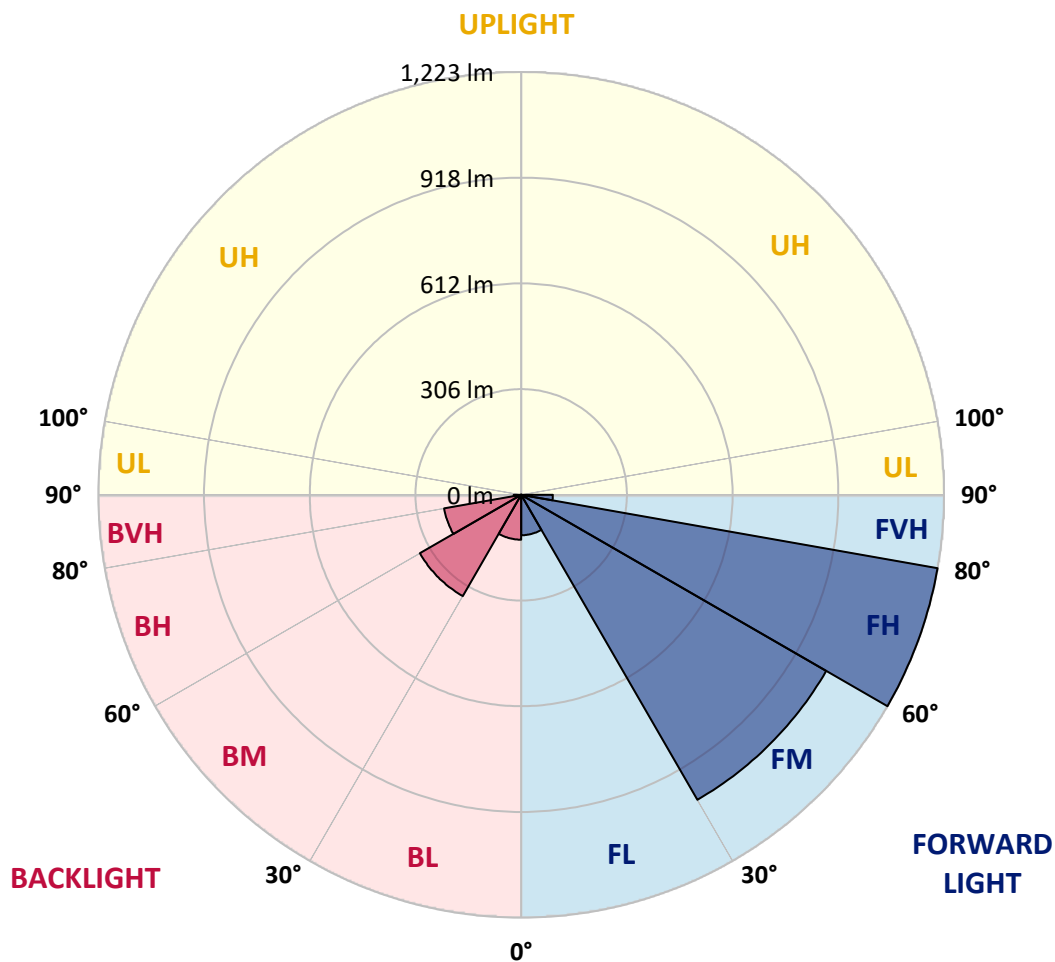
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	116.9	3.7			
FM	(30°-60°)	1019.0	32.2			
FH	(60°-80°)	1223.4	38.6			G1/1800
FVH	(80°-90°)	91.8	2.9			G1/100
BL	(0°-30°)	129.9	4.1	B1/500		
BM	(30°-60°)	338.3	10.7	B1/1000		
BH	(60°-80°)	226.4	7.1	B1/500		G1/500
BVH	(80°-90°)	21.6	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°	376.2	376.2	376.2	376.2	376.2	376.2	376.2	376.2	376.2	376.2	376.2
2.5°	310.2	338.0	338.0	338.0	343.8	348.4	350.8	351.9	356.6	360.0	362.3
5°	289.4	290.6	290.6	290.6	291.7	292.9	294.0	295.2	297.5	298.7	302.1
7.5°	243.1	247.7	257.0	265.1	270.9	276.7	281.3	284.8	287.1	289.4	290.6
10°	270.9	270.9	270.9	270.9	270.9	270.9	257.0	243.1	244.3	244.3	237.3
12.5°	226.9	233.8	244.3	253.5	261.6	268.6	259.3	250.0	232.7	215.3	215.3
15°	262.8	262.8	261.6	260.5	245.4	230.4	216.5	202.6	211.8	221.1	204.9
17.5°	225.7	226.9	240.8	253.5	251.2	247.7	235.0	221.1	199.1	176.0	199.1
20°	289.4	285.9	279.0	272.0	239.6	207.2	213.0	218.8	224.6	229.2	229.2
22.5°	266.3	268.6	273.2	277.8	274.4	269.7	236.2	202.6	222.3	241.9	224.6
25°	364.7	364.7	350.8	336.9	302.1	266.3	272.0	276.7	243.1	208.4	237.3
27.5°	336.9	334.6	328.8	321.8	328.8	334.6	304.5	273.2	282.5	291.7	267.4
30°	448.0	448.0	442.2	436.4	386.7	335.7	332.2	327.6	307.9	287.1	301.0
32.5°	537.1	536.0	509.4	482.7	455.0	426.0	395.9	364.7	362.3	360.0	357.7
35°	643.6	643.6	628.6	613.5	552.2	489.7	453.8	417.9	407.5	397.1	405.2
37.5°	703.8	711.9	706.2	699.2	632.1	563.8	514.0	463.1	452.6	442.2	445.7
40°	787.2	784.9	783.7	781.4	703.8	626.3	573.0	518.6	511.7	504.7	504.7
42.5°	913.4	900.6	886.8	871.7	793.0	714.3	655.2	595.0	582.3	568.4	569.6
45°	1087.0	1073.1	1040.7	1007.1	927.3	847.4	768.7	690.0	668.0	644.8	642.5
47.5°	1193.5	1178.5	1162.3	1144.9	1059.2	973.6	892.5	810.3	777.9	745.5	732.8
50°	1303.5	1289.6	1276.9	1264.1	1188.9	1113.6	1032.6	951.6	900.6	849.7	827.7
52.5°	1407.7	1382.2	1369.5	1356.8	1293.1	1228.3	1143.7	1059.2	1021.0	982.8	935.4
55°	1458.6	1427.4	1422.7	1416.9	1369.5	1320.9	1239.8	1158.8	1116.0	1072.0	1024.5
57.5°	1386.8	1389.2	1414.6	1440.1	1413.5	1386.8	1310.4	1234.0	1191.2	1148.4	1112.5
60°	1322.0	1339.4	1370.6	1401.9	1404.2	1405.4	1364.9	1324.3	1276.9	1229.4	1201.6
62.5°	1232.9	1245.6	1294.2	1341.7	1377.6	1412.3	1370.6	1329.0	1312.8	1295.4	1278.0
65°	1112.5	1116.0	1171.5	1225.9	1290.8	1354.4	1322.0	1289.6	1317.4	1344.0	1346.3
67.5°	965.5	975.9	1030.3	1084.7	1163.4	1241.0	1239.8	1238.7	1297.7	1355.6	1396.1
70°	821.9	821.9	875.2	928.4	1016.4	1104.4	1133.3	1162.3	1253.7	1345.2	1420.4
72.5°	619.3	648.3	676.1	703.8	802.2	899.5	963.2	1026.8	1163.4	1298.9	1413.5
75°	341.5	343.8	368.1	392.4	490.8	589.2	685.3	781.4	964.3	1147.2	1327.8
77.5°	112.3	108.8	122.7	135.4	193.3	250.0	331.1	412.1	613.5	815.0	1105.5
80°	62.5	63.7	68.3	72.9	91.5	108.8	148.2	187.5	273.2	357.7	702.7
82.5°	41.7	42.8	47.5	52.1	60.2	68.3	90.3	111.1	119.2	126.2	317.2
85°	26.6	27.8	30.1	32.4	34.7	35.9	50.9	66.0	60.2	54.4	94.9
87.5°	5.8	5.8	6.9	6.9	8.1	9.3	11.6	13.9	12.7	10.4	13.9
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°	376.2	376.2	376.2	376.2	376.2	376.2	376.2	376.2	376.2	376.2	376.2
2.5°	363.5	365.8	367.0	368.1	369.3	371.6	372.8	373.9	376.2	377.4	377.4
5°	305.6	326.5	346.1	353.1	360.0	363.5	365.8	369.3	371.6	373.9	376.2
7.5°	291.7	292.9	294.0	302.1	310.2	317.2	324.1	326.5	332.2	328.8	324.1
10°	229.2	230.4	230.4	238.5	246.6	270.9	287.1	290.6	294.0	280.1	265.1
12.5°	214.2	220.0	225.7	222.3	218.8	236.2	247.7	252.4	254.7	245.4	236.2
15°	187.5	193.3	198.0	224.6	251.2	274.4	295.2	301.0	307.9	292.9	276.7
17.5°	222.3	220.0	216.5	221.1	225.7	231.5	243.1	246.6	246.6	251.2	255.8
20°	229.2	203.7	178.3	225.7	273.2	294.0	320.7	329.9	332.2	319.5	306.8
22.5°	206.1	235.0	263.9	258.2	252.4	246.6	246.6	250.0	253.5	255.8	258.2
25°	265.1	240.8	216.5	272.0	327.6	349.6	362.3	368.1	372.8	356.6	339.2
27.5°	243.1	275.5	306.8	331.1	355.4	379.7	406.3	431.8	400.5	385.5	370.4
30°	313.7	340.3	367.0	424.9	482.7	514.0	530.2	530.2	530.2	508.2	485.1
32.5°	355.4	401.7	448.0	479.3	509.4	540.6	553.4	553.4	553.4	526.7	498.9
35°	412.1	449.2	486.2	522.1	558.0	582.3	591.6	588.1	581.1	545.2	509.4
37.5°	449.2	498.9	548.7	585.8	621.7	636.7	640.2	629.8	619.3	571.9	523.3
40°	504.7	559.1	612.4	651.7	691.1	703.8	696.9	683.0	664.5	600.8	537.1
42.5°	569.6	624.0	678.4	724.7	769.8	777.9	767.5	745.5	713.1	626.3	538.3
45°	640.2	694.6	747.8	799.9	852.0	857.8	843.9	811.5	764.0	650.6	537.1
47.5°	718.9	761.7	804.6	878.6	952.7	945.8	925.0	887.9	825.4	679.5	532.5
50°	805.7	839.3	871.7	964.3	1056.9	1036.1	1012.9	972.4	890.2	713.1	534.8
52.5°	886.8	919.2	951.6	1047.7	1142.6	1122.9	1097.4	1061.6	956.2	749.0	540.6
55°	977.0	1011.8	1046.5	1148.4	1250.2	1216.7	1184.3	1161.1	1021.0	779.1	537.1
57.5°	1075.4	1119.4	1163.4	1257.2	1349.8	1313.9	1295.4	1265.3	1092.8	815.0	537.1
60°	1173.8	1227.1	1280.3	1362.5	1444.7	1415.8	1412.3	1370.6	1160.0	841.6	522.1
62.5°	1260.7	1340.5	1420.4	1485.2	1548.9	1521.1	1522.3	1473.7	1222.5	847.4	471.2
65°	1348.6	1451.7	1553.5	1601.0	1648.5	1628.8	1648.5	1561.7	1264.1	824.2	384.3
67.5°	1435.5	1548.9	1662.4	1698.3	1734.1	1722.6	1745.7	1590.6	1254.9	764.0	272.0
70°	1495.7	1616.1	1736.5	1755.0	1773.5	1771.2	1779.3	1554.7	1192.4	686.5	179.4
72.5°	1528.1	1641.5	1753.8	1761.9	1768.9	1765.4	1731.8	1442.4	1080.1	602.0	123.9
75°	1507.2	1617.2	1727.2	1711.0	1694.8	1662.4	1550.1	1242.1	885.6	488.5	91.5
77.5°	1396.1	1515.3	1634.6	1592.9	1550.1	1455.2	1266.5	930.7	615.9	343.8	70.6
80°	1047.7	1194.7	1341.7	1291.9	1241.0	1040.7	771.0	520.9	318.4	186.4	54.4
82.5°	507.0	589.2	671.4	658.7	646.0	478.1	333.4	187.5	91.5	67.1	42.8
85°	134.3	199.1	263.9	252.4	240.8	127.3	55.6	48.6	35.9	33.6	30.1
87.5°	16.2	18.5	19.7	13.9	6.9	5.8	5.8	3.5	3.5	4.6	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	376.2	376.2	376.2	376.2	376.2	376.2	376.2	376.2	376.2	376.2	376.2
2.5°	379.7	380.9	380.9	380.9	380.9	380.9	371.6	362.3	360.0	357.7	353.1
5°	365.8	354.2	346.1	338.0	338.0	336.9	340.3	343.8	346.1	347.3	348.4
7.5°	325.3	326.5	333.4	339.2	345.0	349.6	353.1	355.4	353.1	349.6	335.7
10°	266.3	267.4	273.2	277.8	285.9	292.9	312.6	331.1	353.1	375.1	380.9
12.5°	253.5	269.7	260.5	251.2	276.7	301.0	326.5	350.8	368.1	384.3	372.8
15°	258.2	239.6	243.1	246.6	277.8	309.1	290.6	270.9	317.2	363.5	373.9
17.5°	257.0	257.0	274.4	291.7	262.8	232.7	275.5	317.2	335.7	353.1	339.2
20°	274.4	240.8	253.5	265.1	288.3	310.2	291.7	273.2	280.1	287.1	332.2
22.5°	285.9	312.6	283.6	253.5	274.4	295.2	291.7	288.3	309.1	329.9	318.4
25°	298.7	257.0	277.8	297.5	274.4	250.0	268.6	285.9	280.1	274.4	310.2
27.5°	342.7	313.7	287.1	260.5	274.4	287.1	273.2	258.2	263.9	269.7	267.4
30°	414.4	342.7	309.1	275.5	258.2	239.6	240.8	241.9	248.9	255.8	275.5
32.5°	433.0	367.0	318.4	269.7	258.2	246.6	236.2	224.6	235.0	245.4	268.6
35°	437.6	364.7	312.6	260.5	241.9	223.4	216.5	209.5	226.9	244.3	265.1
37.5°	435.3	346.1	290.6	235.0	221.1	207.2	203.7	199.1	210.7	221.1	236.2
40°	429.5	321.8	266.3	210.7	199.1	187.5	185.2	182.9	191.0	199.1	208.4
42.5°	419.1	298.7	243.1	187.5	179.4	171.3	169.0	165.5	172.5	179.4	182.9
45°	406.3	275.5	223.4	170.2	164.4	157.4	154.0	149.3	156.3	162.1	163.2
47.5°	393.6	253.5	206.1	157.4	152.8	147.0	143.5	138.9	144.7	149.3	150.5
50°	383.2	230.4	187.5	144.7	140.1	135.4	132.0	128.5	134.3	138.9	138.9
52.5°	377.4	213.0	171.3	129.7	127.3	125.0	123.9	121.6	126.2	130.8	132.0
55°	363.5	188.7	152.8	115.8	116.9	116.9	115.8	113.4	122.7	130.8	134.3
57.5°	348.4	159.8	133.1	105.3	107.7	110.0	111.1	112.3	122.7	132.0	136.6
60°	328.8	135.4	115.8	96.1	99.6	101.9	107.7	112.3	121.6	130.8	133.1
62.5°	294.0	115.8	101.9	88.0	92.6	97.2	104.2	111.1	118.1	125.0	125.0
65°	243.1	100.7	91.5	81.0	88.0	93.8	101.9	110.0	115.8	120.4	119.2
67.5°	181.7	90.3	83.3	75.2	83.3	90.3	97.2	104.2	111.1	118.1	115.8
70°	130.8	81.0	76.4	70.6	77.6	84.5	91.5	98.4	105.3	112.3	111.1
72.5°	99.6	74.1	69.5	64.8	71.8	77.6	85.7	93.8	100.7	107.7	105.3
75°	79.9	67.1	63.7	59.0	66.0	72.9	81.0	88.0	94.9	101.9	99.6
77.5°	66.0	60.2	56.7	53.3	59.0	64.8	72.9	81.0	88.0	93.8	91.5
80°	53.3	50.9	48.6	45.1	52.1	57.9	66.0	72.9	78.7	84.5	81.0
82.5°	41.7	40.5	39.4	37.0	42.8	48.6	56.7	64.8	69.5	74.1	71.8
85°	31.3	31.3	30.1	28.9	33.6	37.0	41.7	45.1	49.8	53.3	50.9
87.5°	4.6	4.6	6.9	8.1	8.1	8.1	11.6	15.0	15.0	13.9	11.6
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):

	165°	170°	175°	180°
0°	376.2	376.2	376.2	376.2
2.5°	348.4	348.4	348.4	349.6
5°	349.6	350.8	350.8	353.1
7.5°	320.7	319.5	318.4	318.4
10°	385.5	387.8	389.0	391.3
12.5°	360.0	346.1	332.2	332.2
15°	384.3	386.7	387.8	390.1
17.5°	325.3	324.1	323.0	320.7
20°	376.2	378.5	379.7	379.7
22.5°	306.8	306.8	305.6	305.6
25°	346.1	346.1	346.1	348.4
27.5°	263.9	272.0	280.1	290.6
30°	295.2	296.4	297.5	297.5
32.5°	291.7	306.8	321.8	324.1
35°	285.9	285.9	284.8	285.9
37.5°	251.2	247.7	243.1	245.4
40°	216.5	208.4	200.3	199.1
42.5°	186.4	179.4	171.3	171.3
45°	164.4	159.8	154.0	151.7
47.5°	150.5	145.9	141.2	140.1
50°	137.8	133.1	128.5	128.5
52.5°	133.1	129.7	125.0	123.9
55°	137.8	130.8	123.9	121.6
57.5°	140.1	132.0	123.9	120.4
60°	134.3	129.7	123.9	119.2
62.5°	123.9	121.6	119.2	116.9
65°	116.9	116.9	115.8	113.4
67.5°	113.4	114.6	114.6	112.3
70°	108.8	111.1	112.3	110.0
72.5°	103.0	104.2	104.2	100.7
75°	96.1	94.9	93.8	91.5
77.5°	88.0	86.8	84.5	82.2
80°	77.6	76.4	75.2	71.8
82.5°	68.3	70.6	71.8	59.0
85°	47.5	42.8	38.2	31.3
87.5°	9.3	6.9	3.5	3.5
90°	0.0	0.0	0.0	0.0

(END OF REPORT)