Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P560203

Luminaire Tested: **SDL-PA1-30-740-U-SL3**

Issue Date: 7/26/2021

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P560203
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-16)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-30-740-U-SL3
Description:	Springdale
	(1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3781.8 lumens
Efficiency:	N/A
Efficacy:	125.6 lumens/watt
Luminous Opening:	Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G2

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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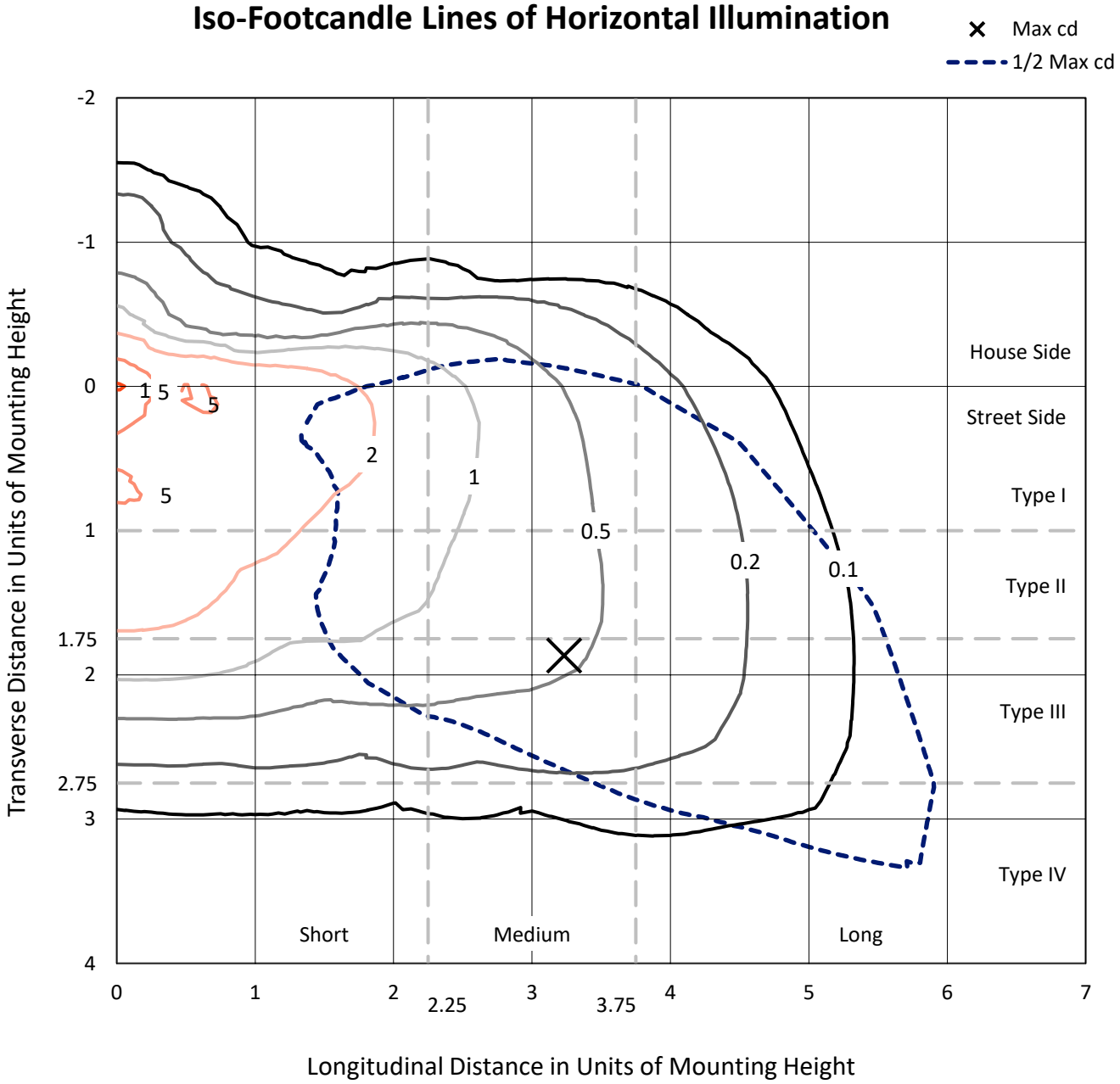
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 10.8 fc
Type III - Medium - N/A

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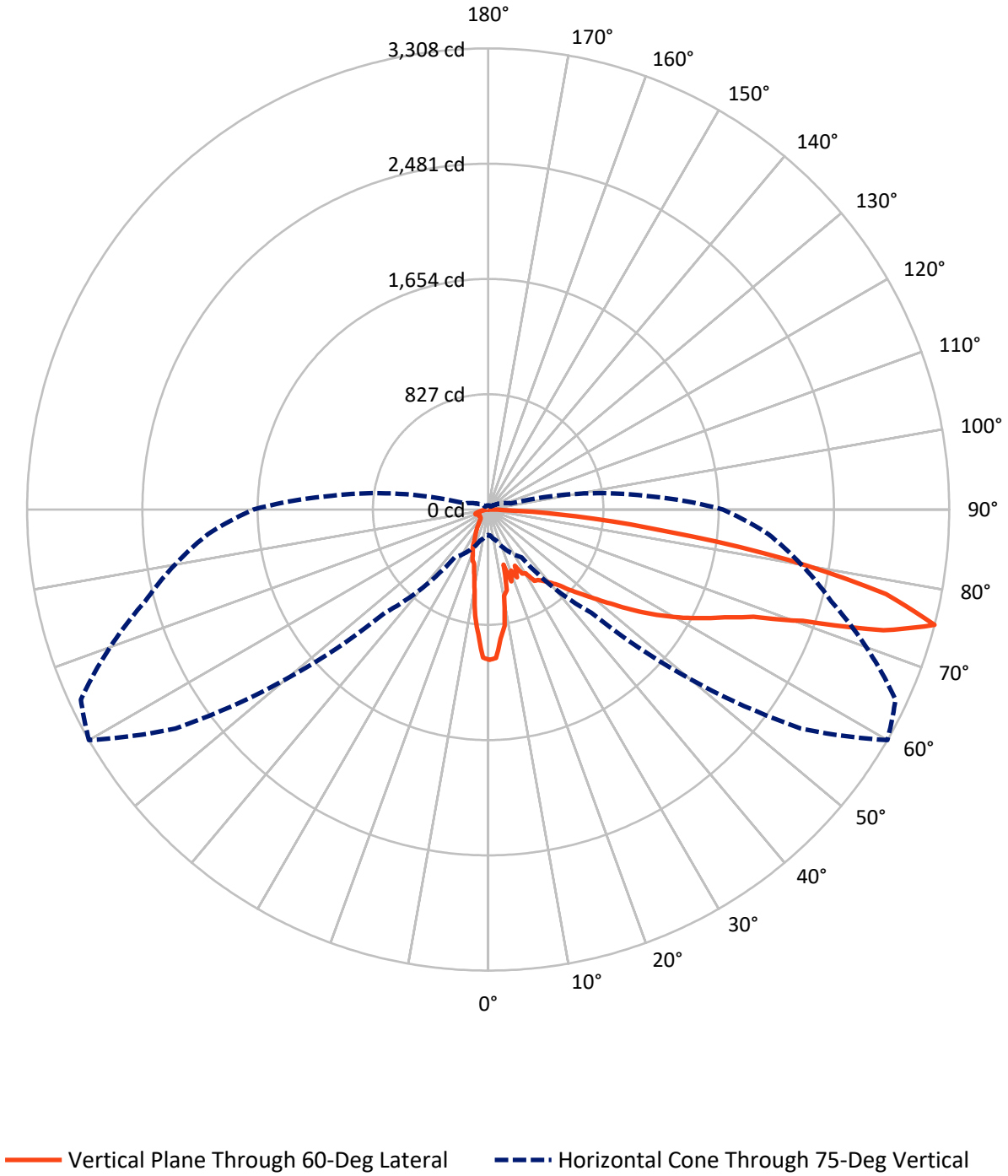
Luminous Intensity Polar Plot



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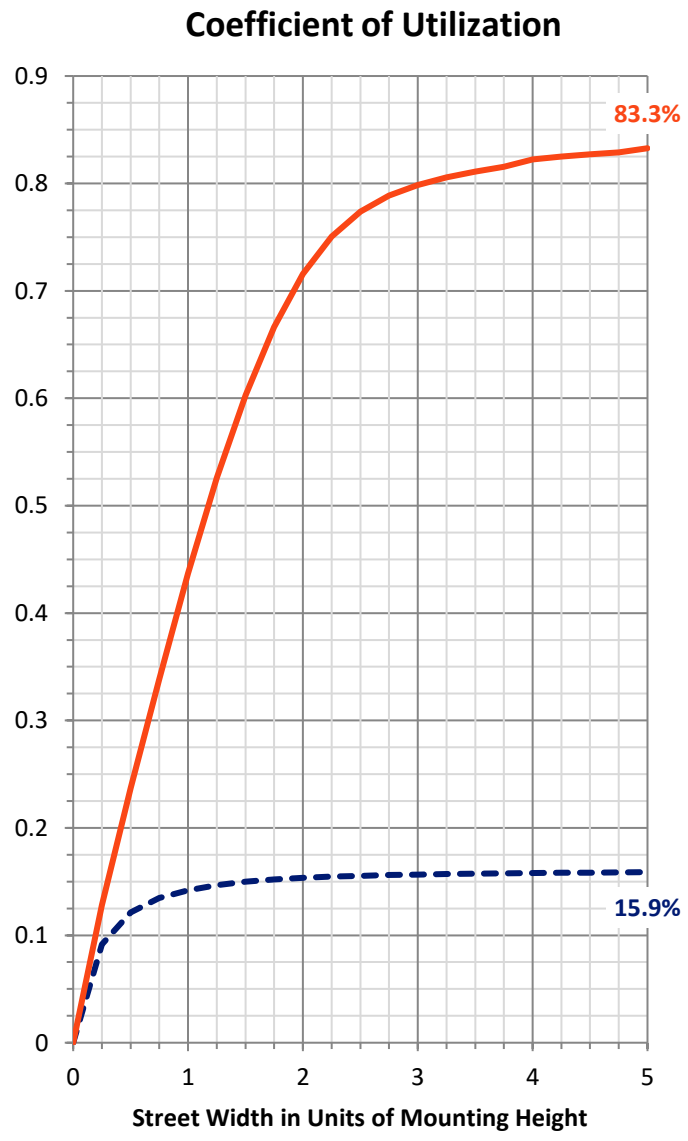
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	607.9	0.0	607.9
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	3173.9	0.0	3173.9
	% Fixture	83.9	0.0	83.9
Total	Lumens	3781.8	0.0	3781.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.7	2.1
10°-20°	142.0	3.8
20°-30°	186.0	4.9
30°-40°	306.9	8.1
40°-50°	479.3	12.7
50°-60°	729.6	19.3
60°-70°	904.1	23.9
70°-80°	798.7	21.1
80°-90°	156.6	4.1
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°	3781.8	100.0
0°-180°	3781.8	100.0



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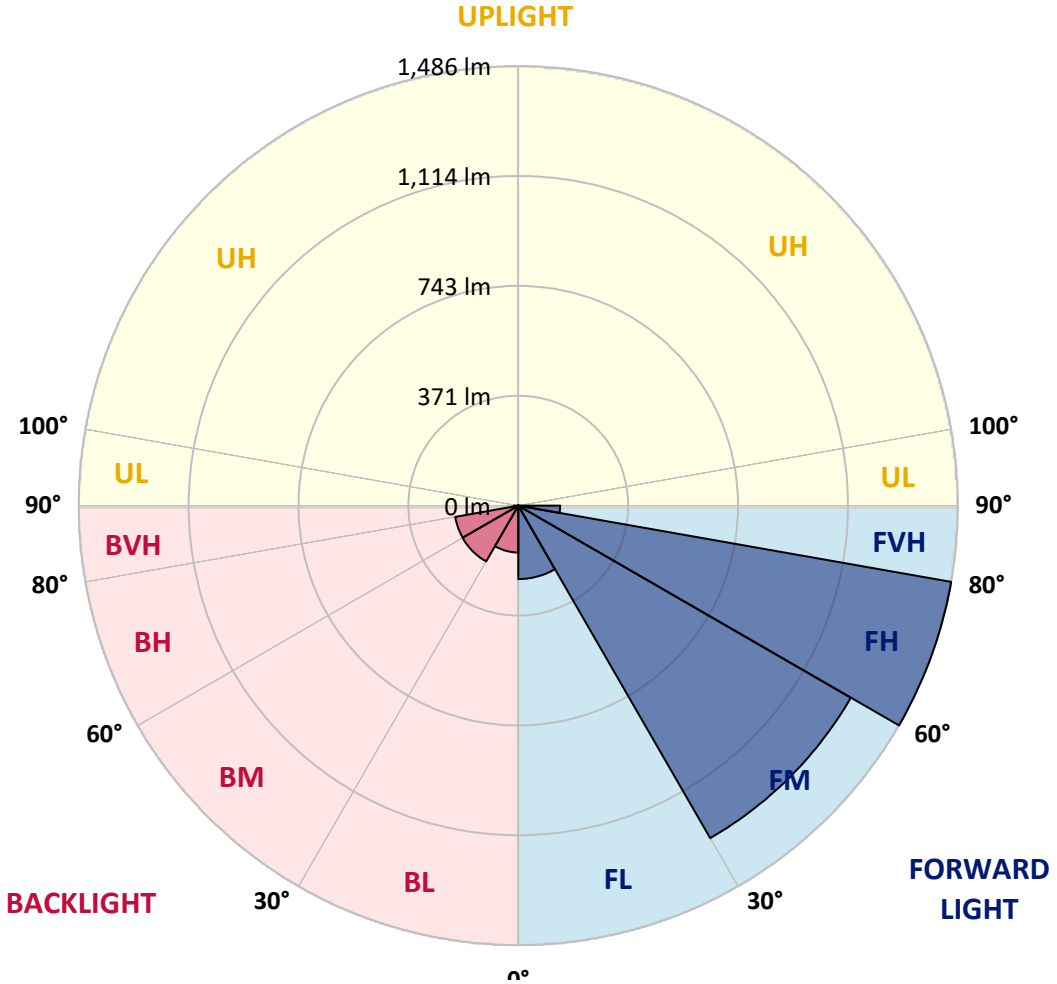
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	248.3	6.6			
FM	(30°-60°)	1298.0	34.3			
FH	(60°-80°)	1486.0	39.3			G1/1800
FVH	(80°-90°)	141.6	3.7			G2/225
BL	(0°-30°)	158.4	4.2	B1/500		
BM	(30°-60°)	217.8	5.8	B0/220		
BH	(60°-80°)	216.8	5.7	B1/500		G1/500
BVH	(80°-90°)	14.9	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1078.7	1078.7	1078.7	1078.7	1078.7	1078.7	1078.7	1078.7	1078.7	1078.7	1078.7
2.5°	895.9	997.0	973.5	949.9	985.9	1020.5	1031.6	1041.3	1046.9	1052.4	1057.9
5°	832.2	833.6	835.0	836.4	840.5	843.3	848.8	854.4	859.9	864.1	869.6
7.5°	642.5	664.7	700.7	736.7	758.8	779.6	792.1	803.1	811.5	819.8	828.1
10°	714.5	718.7	720.1	720.1	727.0	733.9	681.3	627.3	653.6	679.9	650.8
12.5°	560.8	576.0	621.7	666.1	679.9	692.4	667.4	642.5	603.7	563.6	560.8
15°	643.9	648.1	649.4	649.4	606.5	563.6	534.5	504.0	527.6	549.7	498.5
17.5°	498.5	502.7	538.7	574.7	581.6	588.5	558.0	527.6	459.7	390.5	455.6
20°	592.7	595.4	595.4	595.4	523.4	451.4	457.0	461.1	483.3	505.4	487.4
22.5°	477.7	477.7	477.7	477.7	499.9	520.7	476.3	432.0	457.0	481.9	459.7
25°	601.0	605.1	595.4	584.4	517.9	451.4	472.2	493.0	455.6	418.2	451.4
27.5°	548.4	544.2	524.8	504.0	513.7	523.4	477.7	432.0	461.1	490.2	476.3
30°	728.4	715.9	695.1	674.4	595.4	516.5	504.0	491.6	466.7	440.3	469.4
32.5°	967.9	936.1	839.1	742.2	693.8	645.3	583.0	520.7	515.1	508.2	516.5
35°	1031.6	1010.9	970.7	929.2	846.1	761.6	682.7	602.4	576.0	548.4	553.9
37.5°	1044.1	1037.2	1028.9	1019.2	934.7	850.2	764.4	678.5	650.8	621.7	601.0
40°	1053.8	1059.3	1074.6	1088.4	1003.9	918.1	840.5	761.6	732.5	702.1	666.1
42.5°	1098.1	1113.3	1132.7	1150.7	1073.2	995.6	927.8	859.9	822.5	785.1	751.9
45°	1200.6	1208.9	1229.6	1249.0	1175.6	1100.9	1023.3	944.4	912.5	880.7	847.5
47.5°	1350.1	1364.0	1362.6	1361.2	1279.5	1196.4	1109.2	1020.5	999.8	977.6	945.8
50°	1538.4	1528.7	1502.4	1476.1	1387.5	1297.5	1195.0	1091.2	1081.5	1070.4	1044.1
52.5°	1632.6	1625.7	1589.7	1552.3	1462.3	1372.3	1261.5	1149.3	1161.8	1174.3	1149.3
55°	1638.1	1634.0	1607.7	1581.4	1494.1	1406.9	1308.6	1210.3	1240.7	1271.2	1261.5
57.5°	1598.0	1599.4	1591.1	1581.4	1503.8	1426.3	1344.6	1262.9	1315.5	1366.7	1376.4
60°	1495.5	1516.3	1530.1	1544.0	1495.5	1447.0	1376.4	1305.8	1386.1	1466.4	1492.7
62.5°	1305.8	1323.8	1373.7	1422.1	1431.8	1440.1	1393.0	1344.6	1452.6	1559.2	1602.1
65°	1012.2	1037.2	1111.9	1186.7	1264.3	1341.8	1352.9	1364.0	1546.7	1729.5	1765.5
67.5°	631.4	645.3	724.2	801.8	958.2	1113.3	1201.9	1290.6	1606.3	1920.6	1977.4
70°	333.7	354.5	393.3	430.7	565.0	699.3	879.3	1059.3	1516.3	1973.2	2205.9
72.5°	253.4	261.7	282.5	303.3	350.3	397.4	511.0	624.5	1186.7	1747.5	2283.4
75°	*182.8*	*189.7*	*211.9*	*232.6*	*279.7*	*325.4*	*372.5*	*418.2*	*732.5*	*1046.9*	*1892.9*
77.5°	106.6	109.4	120.5	130.2	203.6	276.9	328.2	378.0	454.2	529.0	1351.5
80°	73.4	74.8	78.9	83.1	114.9	146.8	245.1	343.4	378.0	411.3	895.9
82.5°	48.5	55.4	58.2	60.9	72.0	83.1	144.0	203.6	299.1	393.3	612.1
85°	24.9	27.7	33.2	37.4	42.9	47.1	65.1	81.7	247.9	412.7	440.3
87.5°	2.8	4.2	5.5	5.5	6.9	8.3	12.5	16.6	74.8	132.9	113.5
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°	1078.7	*1078.7*	1078.7	1078.7	1078.7	1078.7	1078.7	1078.7	1078.7	1078.7	1078.7
2.5°	1063.5	*1066.2*	1064.9	1067.6	1069.0	1070.4	1071.8	1071.8	1070.4	1067.6	1064.9
5°	875.2	*930.5*	1024.7	1034.4	1044.1	1046.9	1049.6	1051.0	1048.2	1044.1	1039.9
7.5°	835.0	*843.3*	758.8	826.7	893.2	898.7	902.8	900.1	901.5	864.1	825.3
10°	621.7	*628.7*	631.4	652.2	671.6	717.3	763.0	756.1	750.5	684.1	616.2
12.5°	558.0	*594.1*	602.4	567.7	533.1	580.2	627.3	621.7	612.1	551.1	490.2
15°	447.3	*409.9*	490.2	565.0	638.4	682.7	725.6	713.1	702.1	624.5	545.6
17.5°	519.3	*541.4*	515.1	526.2	537.3	570.5	602.4	583.0	576.0	522.0	466.7
20°	469.4	*468.0*	450.0	515.1	580.2	645.3	709.0	689.6	656.4	551.1	444.5
22.5°	437.6	*527.6*	566.4	558.0	548.4	523.4	497.1	480.5	455.6	432.0	407.1
25°	483.3	*445.9*	476.3	576.0	674.4	692.4	710.4	668.8	614.8	508.2	401.6
27.5°	462.5	*520.7*	559.4	625.9	691.0	753.3	815.6	760.2	689.6	556.7	422.3
30°	498.5	*530.4*	638.4	763.0	887.6	909.8	930.5	854.4	760.2	625.9	491.6
32.5°	524.8	*609.3*	704.8	801.8	897.3	913.9	930.5	844.7	736.7	588.5	440.3
35°	558.0	*620.4*	707.6	821.1	934.7	938.8	941.6	841.9	720.1	552.5	383.6
37.5°	580.2	*650.8*	745.0	865.5	985.9	977.6	967.9	854.4	714.5	527.6	340.6
40°	630.1	*691.0*	792.1	915.3	1038.5	1024.7	1010.9	880.7	715.9	502.7	288.0
42.5°	717.3	*740.8*	850.2	981.8	1113.3	1098.1	1081.5	926.4	732.5	488.8	243.7
45°	812.8	*823.9*	918.1	1067.6	1217.2	1197.8	1178.4	997.0	763.0	481.9	200.8
47.5°	912.5	*909.8*	997.0	1178.4	1358.4	1316.9	1275.3	1080.1	819.8	495.7	171.7
50°	1016.4	*1012.2*	1096.7	1292.0	1487.2	1442.9	1398.6	1179.8	884.8	520.7	155.1
52.5°	1123.0	*1132.7*	1195.0	1398.6	1600.8	1560.6	1519.1	1287.8	948.5	548.4	148.2
55°	1250.4	*1280.9*	1305.8	1509.4	1712.9	1672.8	1631.2	1398.6	1037.2	591.3	145.4
57.5°	1384.7	*1424.9*	1436.0	1621.5	1807.1	1780.8	1753.1	1503.8	1127.2	641.1	153.7
60°	1519.1	*1571.7*	1611.8	1761.4	1909.5	1879.1	1848.6	1610.4	1211.6	696.5	181.4
62.5°	1643.7	*1717.1*	1782.2	1891.5	1999.6	1963.6	1927.5	1703.2	1307.2	772.7	236.8
65°	1800.2	*1865.2*	1935.9	2007.9	2078.5	2043.9	2009.2	1819.5	1434.6	868.2	300.5
67.5°	2034.2	*2053.6*	2089.6	2133.9	2176.8	2156.0	2133.9	1962.2	1545.4	923.6	300.5
70°	2437.1	*2394.2*	2340.2	2338.8	2336.0	2302.8	2268.2	2042.5	1552.3	901.5	250.6
72.5°	2817.9	*2964.7*	2793.0	2668.4	2543.8	2397.0	2248.8	1934.5	1370.9	785.1	199.4
75°	*2737.6*	*3308.1*	*3225.0*	*2887.2*	*2549.3*	*2283.4*	*2017.6*	*1685.2*	*1128.6*	*649.4*	*170.3*
77.5°	2172.6	*2919.0*	2997.9	2687.8	2376.2	2016.2	1654.8	1303.0	782.4	462.5	142.6
80°	1379.2	*2182.3*	2196.2	1908.2	1618.8	1232.4	846.1	567.7	376.6	245.1	113.5
82.5°	830.8	*1292.0*	1124.4	805.9	487.4	337.9	186.9	180.0	138.5	102.5	66.5
85°	468.0	*632.8*	454.2	297.7	141.2	101.1	59.5	63.7	60.9	49.9	37.4
87.5°	92.8	*109.4*	74.8	42.9	11.1	11.1	9.7	9.7	6.9	6.9	5.5
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°	1078.7	1078.7	1078.7	1078.7	1078.7	1078.7	1078.7	1078.7	1078.7	1078.7	1078.7
2.5°	1064.9	1064.9	1062.1	1059.3	1057.9	1056.6	1015.0	973.5	945.8	916.7	909.8
5°	988.7	937.5	898.7	859.9	851.6	843.3	841.9	840.5	836.4	830.8	829.5
7.5°	781.0	735.3	767.1	797.6	792.1	785.1	781.0	775.5	765.8	756.1	707.6
10°	601.0	585.7	585.7	584.4	573.3	562.2	587.1	612.1	639.7	667.4	664.7
12.5°	512.4	533.1	479.1	423.7	454.2	483.3	511.0	537.3	551.1	565.0	522.0
15°	483.3	419.6	401.6	383.6	397.4	411.3	371.1	329.6	361.4	393.3	400.2
17.5°	433.4	400.2	382.2	362.8	310.2	256.2	274.2	292.2	290.8	289.4	282.5
20°	404.3	362.8	331.0	297.7	272.8	247.9	221.6	193.9	181.4	167.6	200.8
22.5°	385.0	362.8	296.3	229.9	210.5	191.1	170.3	148.2	156.5	163.4	168.9
25°	336.5	270.0	232.6	195.2	164.8	132.9	134.3	135.7	128.8	121.9	153.7
27.5°	340.6	257.6	199.4	141.2	130.2	117.7	110.8	102.5	113.5	123.2	126.0
30°	357.3	222.9	168.9	114.9	102.5	90.0	94.2	96.9	96.9	96.9	110.8
32.5°	317.1	193.9	144.0	92.8	85.9	77.5	78.9	78.9	85.9	92.8	99.7
35°	268.6	152.3	117.7	81.7	74.8	67.9	70.6	73.4	80.3	87.2	96.9
37.5°	231.3	120.5	96.9	73.4	69.2	65.1	66.5	67.9	74.8	80.3	88.6
40°	195.2	101.1	85.9	70.6	66.5	62.3	63.7	63.7	69.2	74.8	80.3
42.5°	168.9	92.8	81.7	69.2	65.1	59.5	60.9	60.9	65.1	69.2	73.4
45°	145.4	88.6	78.9	67.9	63.7	58.2	58.2	56.8	60.9	63.7	66.5
47.5°	130.2	87.2	77.5	67.9	62.3	55.4	54.0	52.6	56.8	59.5	63.7
50°	121.9	87.2	77.5	66.5	59.5	52.6	51.2	49.9	55.4	59.5	66.5
52.5°	119.1	88.6	77.5	66.5	58.2	49.9	49.9	49.9	59.5	69.2	72.0
55°	119.1	91.4	78.9	65.1	56.8	48.5	51.2	54.0	56.8	59.5	59.5
57.5°	121.9	90.0	76.2	62.3	56.8	49.9	48.5	47.1	48.5	49.9	49.9
60°	134.3	87.2	73.4	59.5	52.6	45.7	44.3	42.9	45.7	47.1	47.1
62.5°	162.0	85.9	73.4	59.5	51.2	42.9	42.9	41.5	42.9	44.3	45.7
65°	198.0	95.5	77.5	59.5	51.2	42.9	40.2	37.4	40.2	41.5	41.5
67.5°	206.3	112.2	90.0	66.5	54.0	41.5	38.8	36.0	38.8	40.2	40.2
70°	186.9	123.2	96.9	70.6	56.8	41.5	38.8	34.6	36.0	37.4	36.0
72.5°	160.6	120.5	95.5	69.2	55.4	40.2	37.4	33.2	34.6	34.6	33.2
75°	*137.1*	*103.9*	*81.7*	*58.2*	*47.1*	*34.6*	*31.8*	*29.1*	*30.5*	*30.5*	*30.5*
77.5°	114.9	85.9	66.5	45.7	37.4	27.7	26.3	24.9	26.3	27.7	26.3
80°	90.0	65.1	49.9	33.2	27.7	20.8	22.2	22.2	23.5	23.5	23.5
82.5°	52.6	38.8	31.8	23.5	19.4	15.2	16.6	18.0	19.4	19.4	19.4
85°	31.8	24.9	20.8	16.6	13.8	9.7	12.5	13.8	13.8	13.8	12.5
87.5°	5.5	5.5	5.5	5.5	4.2	2.8	5.5	6.9	6.9	6.9	5.5
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°	1078.7	1078.7	1078.7	1078.7
2.5°	901.5	901.5	900.1	900.1
5°	828.1	825.3	822.5	825.3
7.5°	659.1	639.7	620.4	625.9
10°	660.5	659.1	657.7	656.4
12.5°	477.7	462.5	447.3	437.6
15°	405.7	401.6	396.0	396.0
17.5°	274.2	261.7	249.3	240.9
20°	234.0	240.9	246.5	249.3
22.5°	174.5	180.0	185.6	188.3
25°	184.2	198.0	210.5	211.9
27.5°	127.4	134.3	139.9	137.1
30°	124.6	128.8	132.9	132.9
32.5°	106.6	117.7	128.8	130.2
35°	106.6	112.2	117.7	119.1
37.5°	95.5	99.7	102.5	103.9
40°	85.9	88.6	90.0	90.0
42.5°	76.2	83.1	88.6	88.6
45°	67.9	85.9	103.9	109.4
47.5°	66.5	92.8	119.1	124.6
50°	72.0	96.9	120.5	123.2
52.5°	73.4	87.2	99.7	99.7
55°	58.2	65.1	70.6	69.2
57.5°	49.9	55.4	59.5	59.5
60°	47.1	54.0	59.5	60.9
62.5°	45.7	48.5	51.2	54.0
65°	41.5	41.5	41.5	41.5
67.5°	38.8	38.8	37.4	37.4
70°	34.6	34.6	34.6	34.6
72.5°	31.8	31.8	31.8	30.5
75°	*29.1*	*29.1*	*27.7*	*27.7*
77.5°	24.9	24.9	24.9	24.9
80°	22.2	22.2	20.8	20.8
82.5°	18.0	18.0	16.6	15.2
85°	11.1	11.1	9.7	8.3
87.5°	4.2	4.2	2.8	1.4
90°	0.0	0.0	0.0	0.0

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(END OF REPORT)