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: P560417

Luminaire Tested: **SDL-PA1-40-750-U-T4W**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560417
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-12)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-40-750-U-T4W
Description:	Springdale
	(1) 70 CRI, 5000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4932.2 lumens
Efficiency:	N/A
Efficacy:	125.2 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 - G2

Input Watts (W):	39.4
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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Scaled Data Report

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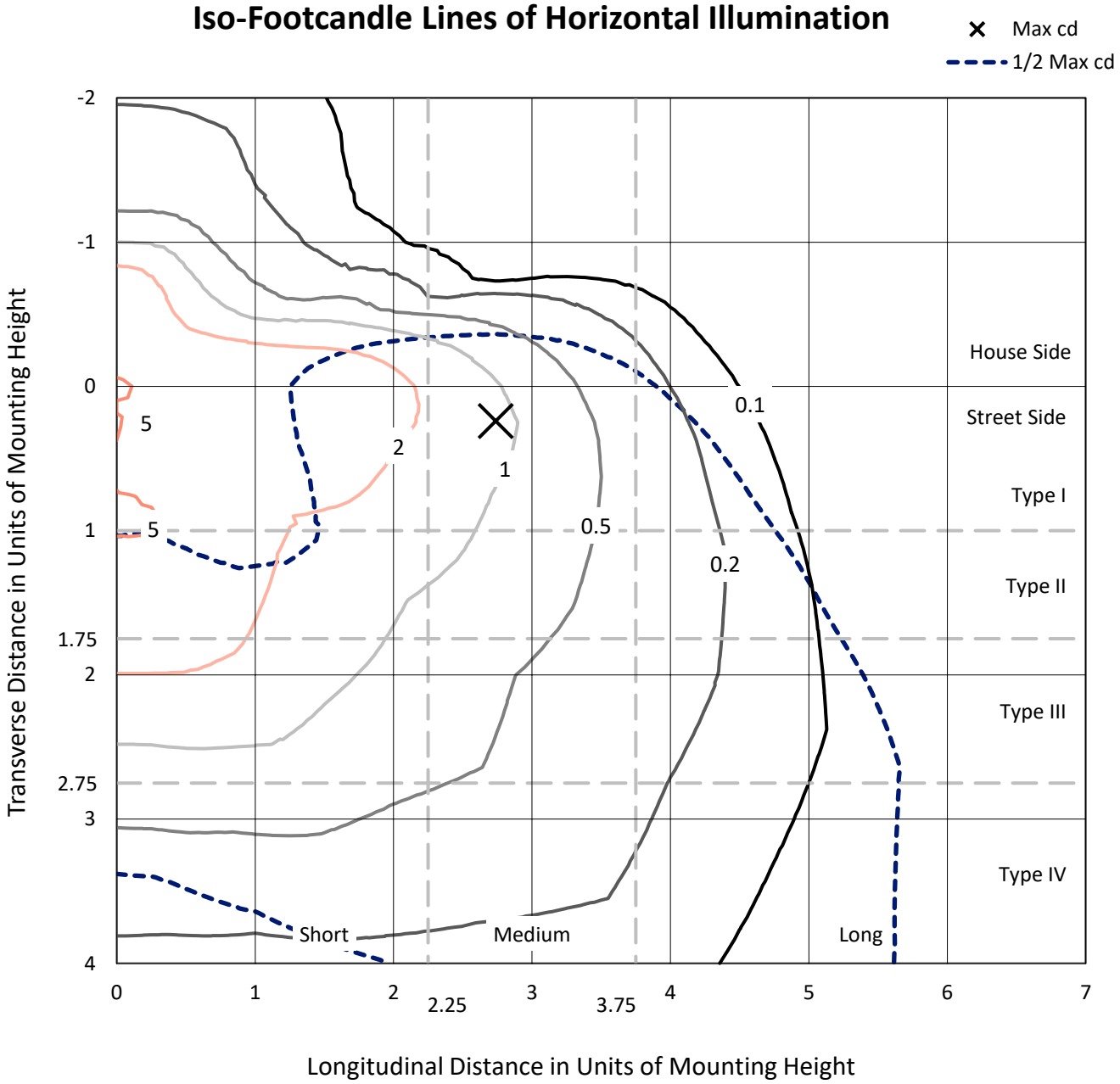
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 5.7 fc
Type IV - Medium - N/A

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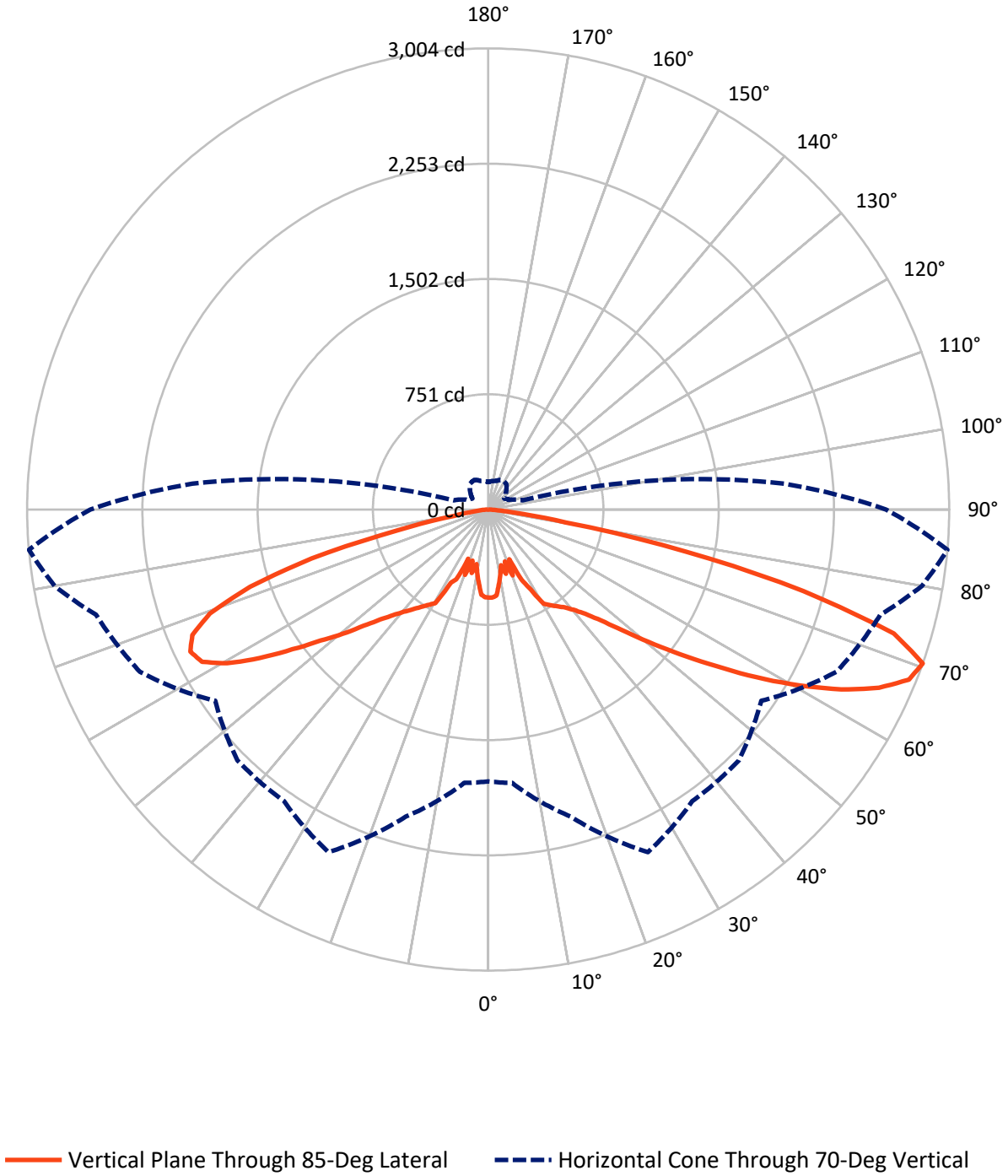
Luminous Intensity Polar Plot



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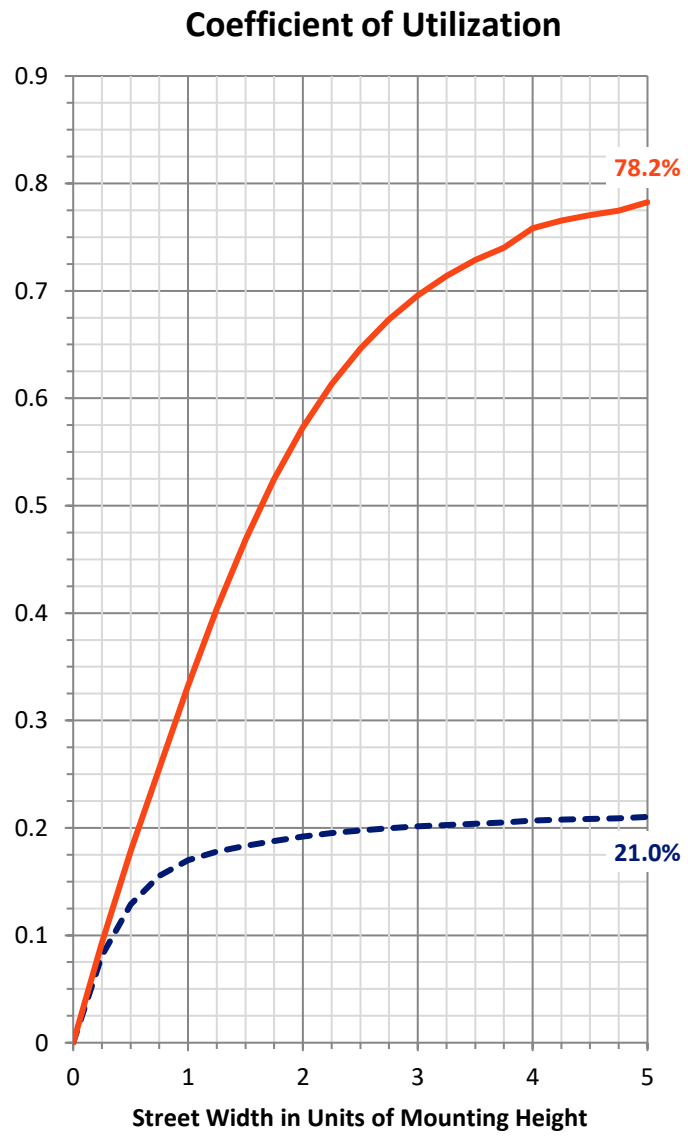
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1060.5	0.0	1060.5
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	3871.8	0.0	3871.8
	% Fixture	78.5	0.0	78.5
Total	Lumens	4932.2	0.0	4932.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.6	1.0
10°-20°	120.0	2.4
20°-30°	209.9	4.3
30°-40°	369.6	7.5
40°-50°	557.6	11.3
50°-60°	887.0	18.0
60°-70°	1300.7	26.4
70°-80°	1219.6	24.7
80°-90°	220.2	4.5
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°	4932.2	100.0
0°-180°	4932.2	100.0



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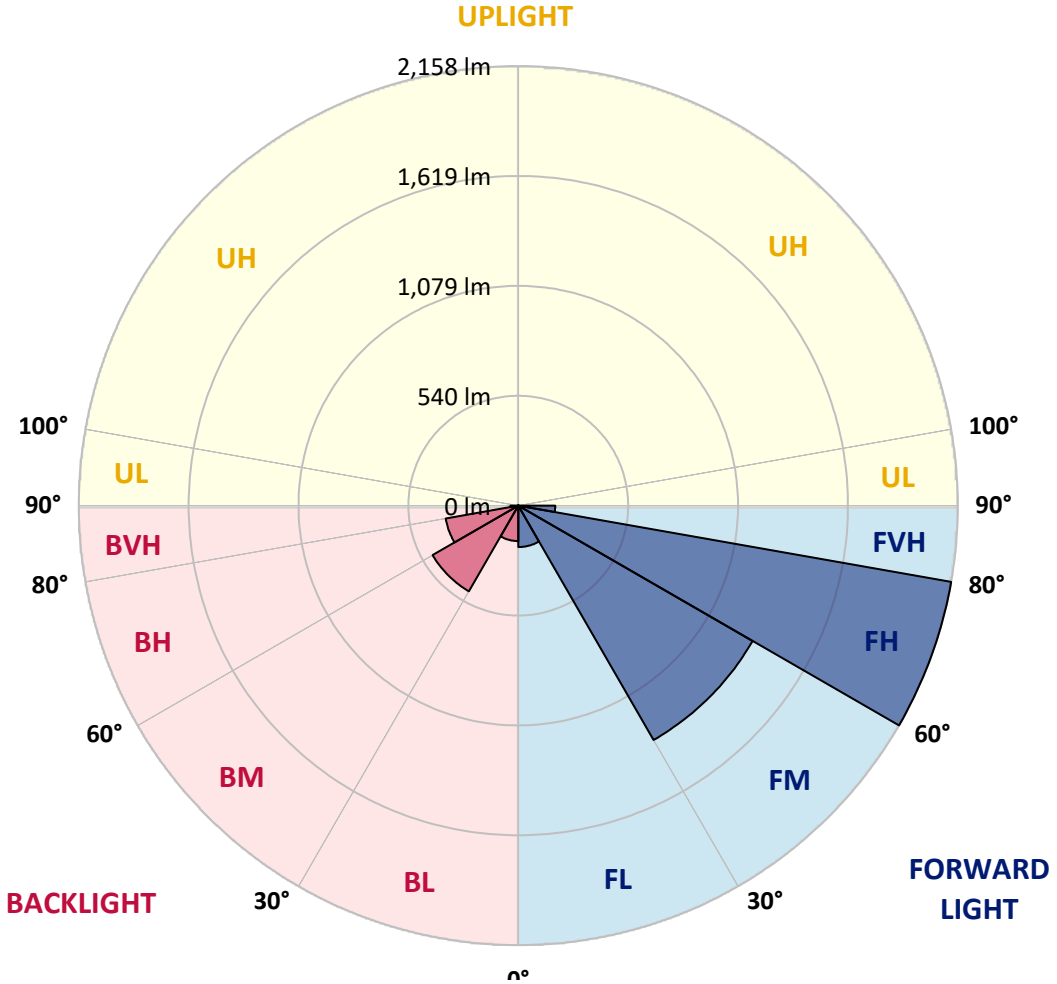
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	203.4	4.1			
FM	(30°-60°)	1328.8	26.9			
FH	(60°-80°)	2158.3	43.8			G2/5000
FVH	(80°-90°)	181.3	3.7			G2/225
BL	(0°-30°)	174.1	3.5	B1/500		
BM	(30°-60°)	485.4	9.8	B1/1000		
BH	(60°-80°)	362.0	7.3	B1/500		G1/500
BVH	(80°-90°)	38.9	0.8			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 IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.5
2.5°	520.7	542.6	553.5	564.4	568.1	571.7	571.7	569.9	569.9	569.9	573.5
5°	529.8	528.0	528.0	528.0	526.2	524.4	522.6	518.9	517.1	513.5	511.6
7.5°	486.1	522.6	524.4	526.2	526.2	524.4	528.0	531.7	528.0	522.6	515.3
10°	577.2	575.4	571.7	568.1	562.6	557.2	515.3	471.6	475.2	478.9	444.3
12.5°	500.7	535.3	549.9	564.4	566.3	566.3	537.1	506.2	466.1	426.1	409.7
15°	611.8	608.1	600.9	593.6	544.4	493.4	464.3	435.2	435.2	435.2	386.0
17.5°	515.3	513.5	546.2	579.0	560.8	542.6	500.7	458.8	396.9	333.2	373.3
20°	631.8	631.8	622.7	613.6	529.8	444.3	449.7	453.4	455.2	455.2	437.0
22.5°	529.8	526.2	529.8	531.7	531.7	531.7	455.2	378.7	420.6	460.7	418.8
25°	631.8	633.6	631.8	630.0	553.5	475.2	488.0	500.7	442.4	382.4	422.4
27.5°	551.7	549.9	540.8	531.7	533.5	535.3	495.2	453.4	477.0	500.7	458.8
30°	675.5	677.3	671.9	664.6	588.1	511.6	508.0	502.5	486.1	469.8	484.3
32.5°	815.7	815.7	759.3	702.8	655.5	606.3	566.3	526.2	542.6	559.0	540.8
35°	890.4	886.7	868.5	848.5	761.1	671.9	617.2	560.8	566.3	569.9	569.9
37.5°	1023.3	1021.4	996.0	970.5	852.1	731.9	660.9	588.1	599.0	608.1	595.4
40°	1189.0	1189.0	1168.9	1147.1	996.0	843.0	742.9	642.7	640.9	637.3	622.7
42.5°	1349.2	1354.6	1341.9	1329.2	1152.5	975.9	844.8	713.7	697.4	681.0	666.4
45°	1454.8	1462.1	1473.0	1483.9	1309.1	1134.3	981.4	826.6	795.7	762.9	737.4
47.5°	1562.2	1551.3	1565.9	1580.4	1431.1	1281.8	1114.3	946.8	895.8	844.8	817.5
50°	1662.4	1658.7	1664.2	1669.6	1547.6	1425.7	1252.7	1079.7	1017.8	954.1	923.1
52.5°	1793.4	1780.7	1773.4	1766.1	1662.4	1558.6	1394.7	1229.0	1156.2	1081.5	1045.1
55°	1919.1	1913.6	1902.7	1889.9	1800.7	1711.5	1538.5	1365.6	1289.1	1212.6	1170.7
57.5°	2048.4	2044.7	2042.9	2041.1	1962.8	1884.5	1707.9	1529.4	1442.0	1352.8	1318.2
60°	2170.3	2172.2	2186.7	2199.5	2139.4	2079.3	1900.9	1722.4	1611.4	1498.5	1463.9
62.5°	2243.2	2248.6	2285.1	2319.6	2286.9	2254.1	2070.2	1884.5	1768.0	1649.6	1625.9
65°	2150.3	2177.6	2283.2	2388.8	2388.8	2388.8	2221.3	2052.0	1950.0	1848.1	1828.0
67.5°	1942.8	1970.1	2121.2	2270.5	2348.8	2427.1	2317.8	2208.6	2139.4	2068.4	2042.9
70°	*1771.6*	*1788.0*	*1930.0*	*2070.2*	*2266.8*	*2463.5*	*2392.5*	*2319.6*	*2316.0*	*2310.5*	*2241.4*
72.5°	1627.8	1664.2	1780.7	1895.4	2166.7	2438.0	2436.2	2434.4	2509.0	2583.7	2450.7
75°	1301.8	1298.2	1407.4	1516.7	1822.6	2126.6	2297.8	2467.1	2682.0	2895.0	2691.1
77.5°	580.8	620.9	724.7	828.4	1103.4	1376.5	1706.1	2035.6	2509.0	2980.6	2773.0
80°	165.7	174.8	203.9	231.2	360.5	488.0	833.9	1178.0	1773.4	2367.0	2226.8
82.5°	87.4	91.0	109.2	125.6	162.0	196.6	327.7	457.0	968.6	1478.5	1351.0
85°	41.9	38.2	49.2	58.3	78.3	98.3	151.1	203.9	375.1	546.2	471.6
87.5°	9.1	9.1	10.9	10.9	16.4	21.8	32.8	43.7	41.9	38.2	45.5
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°	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.5
2.5°	575.4	577.2	579.0	577.2	575.4	573.5	573.5	571.7	571.7	569.9	566.3
5°	509.8	535.3	560.8	562.6	564.4	564.4	562.6	560.8	557.2	555.3	551.7
7.5°	508.0	498.9	489.8	491.6	493.4	495.2	495.2	489.8	488.0	473.4	458.8
10°	407.9	398.7	389.6	395.1	400.6	420.6	431.5	427.9	424.2	398.7	371.4
12.5°	393.3	389.6	386.0	358.7	331.4	355.0	371.4	369.6	364.2	340.5	316.8
15°	336.8	338.7	338.7	369.6	400.6	420.6	435.2	431.5	427.9	398.7	369.6
17.5°	411.5	391.5	369.6	364.2	358.7	367.8	355.0	335.0	347.8	344.1	340.5
20°	417.0	367.8	316.8	367.8	418.8	431.5	458.8	457.0	451.5	426.1	400.6
22.5°	376.9	406.0	433.3	406.0	378.7	360.5	351.4	347.8	345.9	353.2	358.7
25°	462.5	407.9	351.4	418.8	484.3	498.9	506.2	500.7	498.9	466.1	433.3
27.5°	415.1	444.3	473.4	495.2	517.1	535.3	589.9	537.1	535.3	504.4	471.6
30°	497.1	528.0	559.0	615.4	671.9	702.8	713.7	710.1	701.0	651.8	602.7
32.5°	522.6	584.5	644.5	670.0	693.7	726.5	742.9	741.0	731.9	673.7	613.6
35°	569.9	615.4	660.9	695.5	728.3	759.3	773.8	779.3	768.4	695.5	620.9
37.5°	582.6	640.9	699.2	735.6	772.0	795.7	808.4	824.8	812.1	724.7	635.4
40°	608.1	677.3	744.7	781.1	815.7	837.5	859.4	879.4	863.0	757.4	650.0
42.5°	650.0	721.0	790.2	832.1	872.1	903.1	928.6	955.9	924.9	788.4	650.0
45°	711.9	777.5	843.0	899.5	954.1	992.3	1028.7	1067.0	1005.1	828.4	650.0
47.5°	790.2	853.9	915.8	1005.1	1094.3	1128.9	1172.6	1209.0	1108.8	879.4	650.0
50°	890.4	961.4	1032.4	1150.7	1267.2	1300.0	1354.6	1382.0	1247.2	957.7	666.4
52.5°	1006.9	1085.2	1161.6	1300.0	1438.4	1493.0	1565.9	1584.1	1387.4	1036.0	682.8
55°	1128.9	1234.5	1338.3	1491.2	1642.3	1695.1	1798.9	1813.5	1567.7	1132.5	695.5
57.5°	1283.6	1407.4	1529.4	1678.7	1826.2	1900.9	2062.9	2068.4	1777.1	1250.9	722.8
60°	1429.3	1584.1	1737.0	1879.0	2021.0	2137.6	2325.1	2326.9	1973.7	1340.1	704.6
62.5°	1602.3	1786.2	1968.2	2090.2	2212.2	2356.1	2581.8	2549.1	2112.1	1351.0	589.9
65°	1806.2	1995.6	2184.9	2288.7	2390.7	2554.5	2798.5	2672.9	2150.3	1289.1	426.1
67.5°	2015.6	2192.2	2368.8	2450.7	2532.7	2740.2	2956.9	2687.4	2093.9	1196.2	296.8
70°	2172.2	2337.9	2503.5	2574.6	2645.6	2869.5	3004.3	2592.8	1935.5	1083.4	231.2
72.5°	2316.0	2472.6	2627.4	2663.8	2698.4	2813.1	2763.9	2285.1	1631.4	912.2	191.2
75°	2487.2	2587.3	2685.6	2620.1	2554.5	2399.8	2121.2	1666.0	1194.4	679.1	163.9
77.5°	2565.5	2541.8	2516.3	2292.3	2068.4	1653.3	1318.2	963.2	606.3	373.3	140.2
80°	2086.6	1991.9	1895.4	1520.3	1145.3	782.9	513.5	325.9	222.1	167.5	112.9
82.5°	1221.7	1001.4	781.1	573.5	366.0	256.7	167.5	132.9	103.8	98.3	91.0
85°	395.1	349.6	304.1	240.3	176.6	109.2	63.7	58.3	54.6	60.1	63.7
87.5°	52.8	52.8	51.0	38.2	23.7	12.7	7.3	5.5	5.5	7.3	7.3
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.5	573.5
2.5°	566.3	564.4	562.6	560.8	559.0	555.3	540.8	526.2	520.7	513.5	508.0
5°	533.5	515.3	502.5	489.8	484.3	477.0	478.9	480.7	482.5	482.5	482.5
7.5°	462.5	466.1	467.9	467.9	473.4	477.0	480.7	482.5	475.2	467.9	458.8
10°	367.8	362.3	369.6	375.1	384.2	391.5	415.1	438.8	460.7	482.5	491.6
12.5°	335.0	353.2	338.7	324.1	353.2	380.5	413.3	446.1	466.1	484.3	467.9
15°	340.5	309.5	313.2	315.0	351.4	386.0	366.0	345.9	402.4	457.0	473.4
17.5°	335.0	329.6	349.6	367.8	333.2	298.6	347.8	395.1	420.6	446.1	438.8
20°	362.3	322.3	322.3	322.3	353.2	384.2	360.5	336.8	364.2	391.5	437.0
22.5°	375.1	389.6	360.5	329.6	349.6	369.6	369.6	367.8	398.7	427.9	420.6
25°	378.7	324.1	349.6	373.3	360.5	345.9	362.3	376.9	386.0	395.1	435.2
27.5°	433.3	395.1	366.0	335.0	358.7	382.4	376.9	371.4	378.7	386.0	395.1
30°	513.5	424.2	391.5	356.9	344.1	329.6	345.9	360.5	387.8	415.1	451.5
32.5°	537.1	458.8	406.0	351.4	349.6	345.9	351.4	355.0	386.0	415.1	466.1
35°	533.5	444.3	393.3	340.5	329.6	318.6	327.7	335.0	380.5	426.1	475.2
37.5°	529.8	422.4	369.6	316.8	309.5	300.4	309.5	318.6	353.2	387.8	433.3
40°	524.4	396.9	345.9	293.1	284.0	274.9	284.0	291.3	318.6	345.9	382.4
42.5°	511.6	371.4	320.5	267.7	260.4	251.3	258.5	265.8	289.5	313.2	335.0
45°	497.1	342.3	293.1	244.0	236.7	229.4	234.9	238.5	260.4	280.4	291.3
47.5°	480.7	311.4	265.8	220.3	213.0	205.7	211.2	214.8	231.2	247.6	251.3
50°	477.0	285.9	244.0	200.3	194.8	187.5	191.2	194.8	207.6	218.5	218.5
52.5°	469.8	254.9	220.3	183.9	180.3	174.8	176.6	178.4	187.5	196.6	194.8
55°	464.3	233.1	202.1	171.2	167.5	162.0	163.9	165.7	174.8	182.1	180.3
57.5°	469.8	214.8	187.5	158.4	154.8	151.1	154.8	158.4	167.5	176.6	176.6
60°	451.5	196.6	171.2	145.7	143.8	140.2	149.3	156.6	171.2	183.9	187.5
62.5°	386.0	180.3	158.4	136.6	138.4	138.4	154.8	169.3	189.4	207.6	211.2
65°	296.8	167.5	149.3	129.3	138.4	147.5	169.3	191.2	209.4	227.6	222.1
67.5°	227.6	158.4	143.8	127.5	147.5	165.7	185.7	205.7	214.8	222.1	213.0
70°	*191.2*	*149.3*	*138.4*	*125.6*	*145.7*	*165.7*	*185.7*	*205.7*	*209.4*	*213.0*	*203.9*
72.5°	167.5	142.0	131.1	120.2	136.6	152.9	176.6	198.5	202.1	203.9	194.8
75°	149.3	132.9	120.2	107.4	123.8	138.4	162.0	185.7	189.4	191.2	183.9
77.5°	131.1	122.0	107.4	92.9	109.2	125.6	147.5	169.3	174.8	180.3	171.2
80°	109.2	103.8	92.9	81.9	100.1	116.5	136.6	156.6	162.0	167.5	158.4
82.5°	87.4	83.8	76.5	69.2	87.4	105.6	125.6	143.8	149.3	152.9	142.0
85°	63.7	63.7	60.1	56.4	74.7	91.0	103.8	116.5	114.7	112.9	105.6
87.5°	9.1	9.1	12.7	16.4	21.8	25.5	32.8	38.2	40.1	40.1	31.0
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):

	165°	170°	175°	180°
0°	573.5	573.5	573.5	573.5
2.5°	502.5	502.5	500.7	504.4
5°	482.5	484.3	484.3	486.1
7.5°	449.7	440.6	429.7	431.5
10°	500.7	502.5	504.4	504.4
12.5°	449.7	442.4	433.3	435.2
15°	488.0	493.4	498.9	500.7
17.5°	429.7	427.9	426.1	424.2
20°	480.7	489.8	498.9	498.9
22.5°	413.3	413.3	413.3	415.1
25°	475.2	486.1	495.2	495.2
27.5°	402.4	427.9	453.4	473.4
30°	486.1	491.6	497.1	498.9
32.5°	515.3	542.6	568.1	573.5
35°	522.6	535.3	546.2	551.7
37.5°	478.9	489.8	500.7	508.0
40°	417.0	426.1	435.2	440.6
42.5°	355.0	356.9	358.7	367.8
45°	302.2	293.1	284.0	282.2
47.5°	253.1	240.3	227.6	225.8
50°	216.7	205.7	194.8	194.8
52.5°	191.2	183.9	176.6	176.6
55°	178.4	174.8	169.3	169.3
57.5°	176.6	174.8	173.0	173.0
60°	189.4	191.2	191.2	191.2
62.5°	213.0	214.8	214.8	214.8
65°	214.8	211.2	207.6	207.6
67.5°	203.9	198.5	193.0	189.4
70°	*193.0*	*189.4*	*183.9*	*178.4*
72.5°	183.9	180.3	174.8	169.3
75°	174.8	169.3	162.0	158.4
77.5°	162.0	158.4	152.9	149.3
80°	147.5	143.8	138.4	131.1
82.5°	131.1	132.9	132.9	114.7
85°	96.5	91.0	83.8	69.2
87.5°	20.0	18.2	14.6	12.7
90°	0.0	0.0	0.0	0.0

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(END OF REPORT)