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: P561076

Luminaire Tested: **SDL-PA1-80-730-U-T4W-HSS**

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:	P561076
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-10)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-80-730-U-T4W-HSS
Description:	Springdale
	(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6154.9 lumens
Efficiency:	N/A
Efficacy:	75.1 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):	82
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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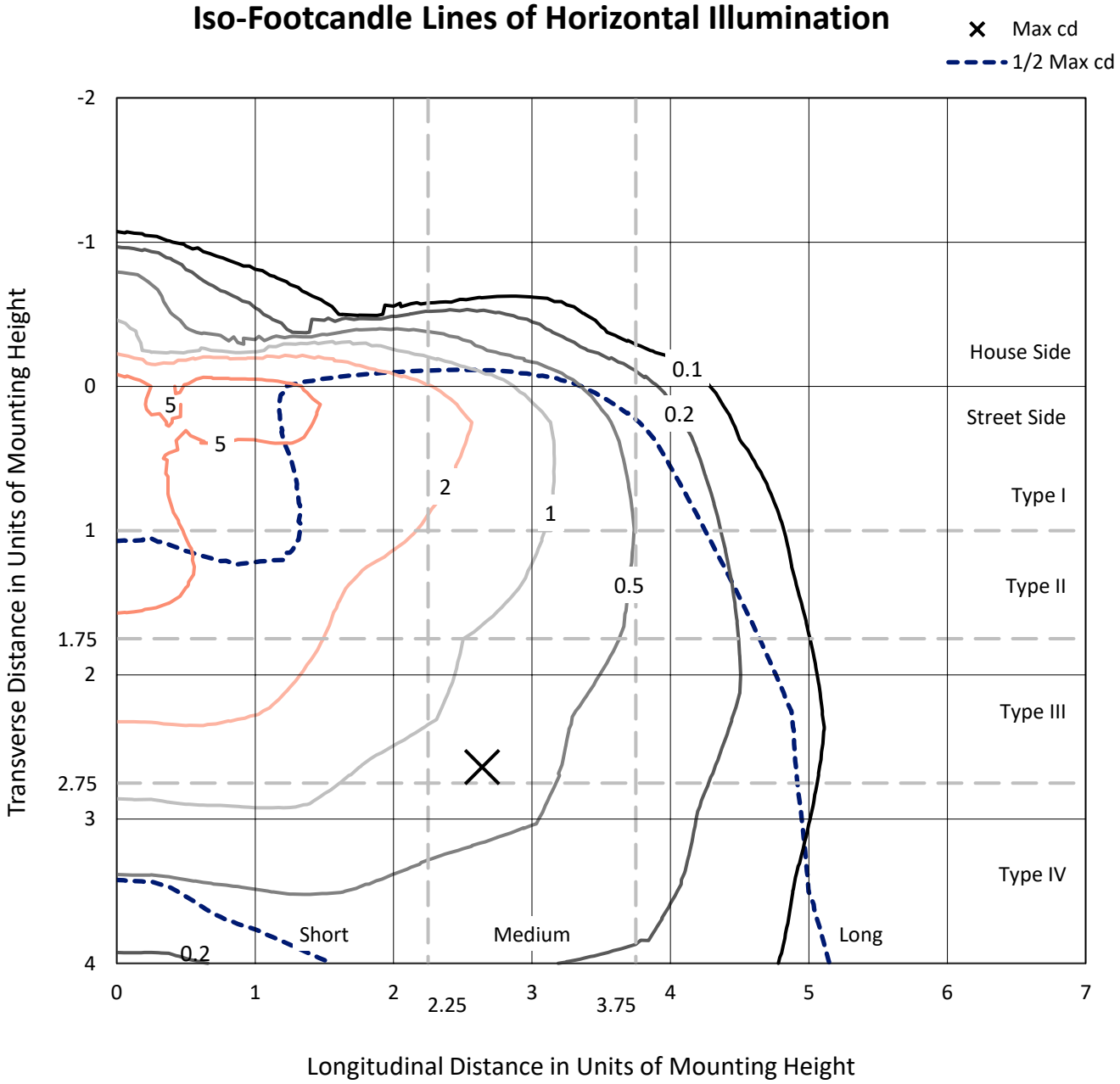
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 7.8 fc
Type IV - Medium - N/A

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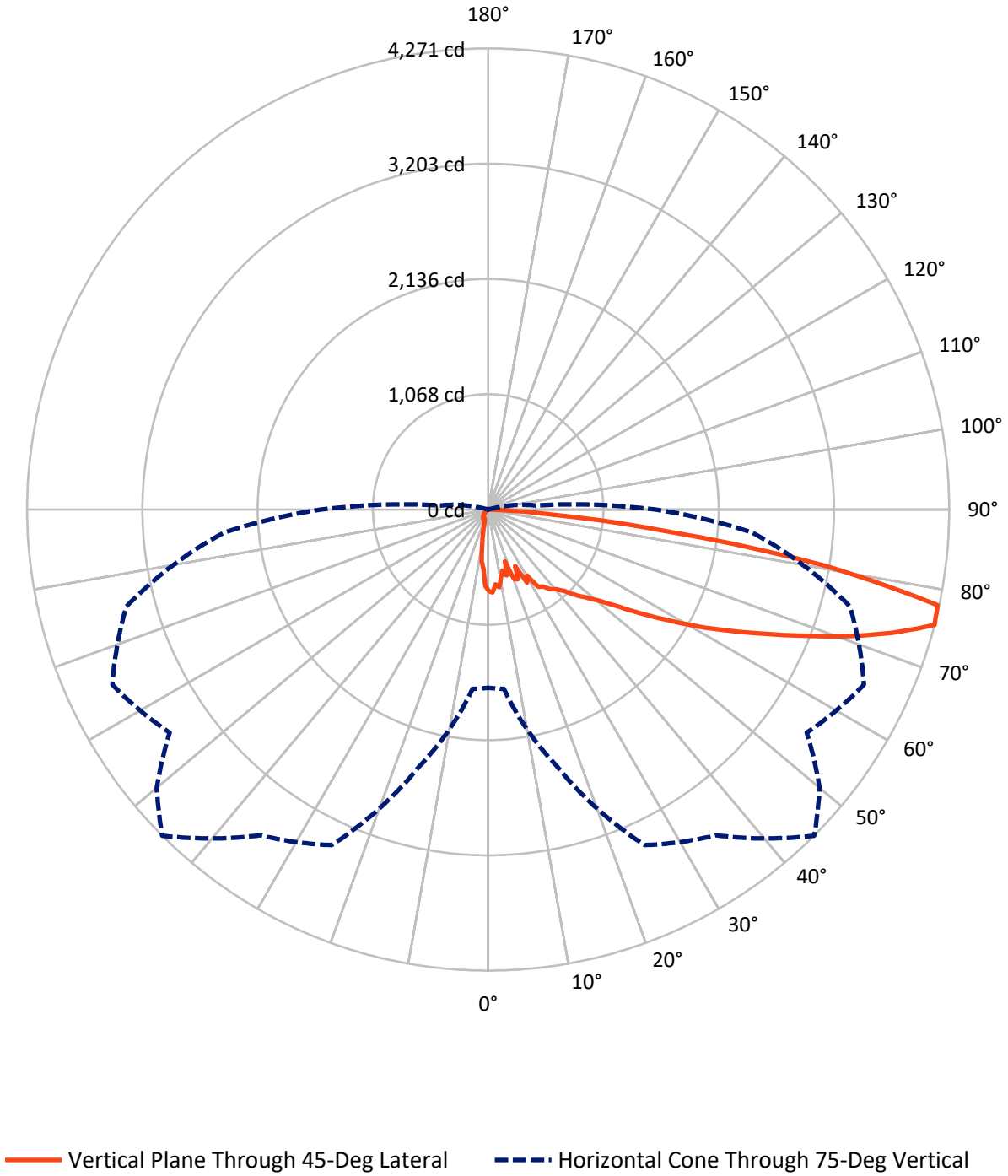
Luminous Intensity Polar Plot



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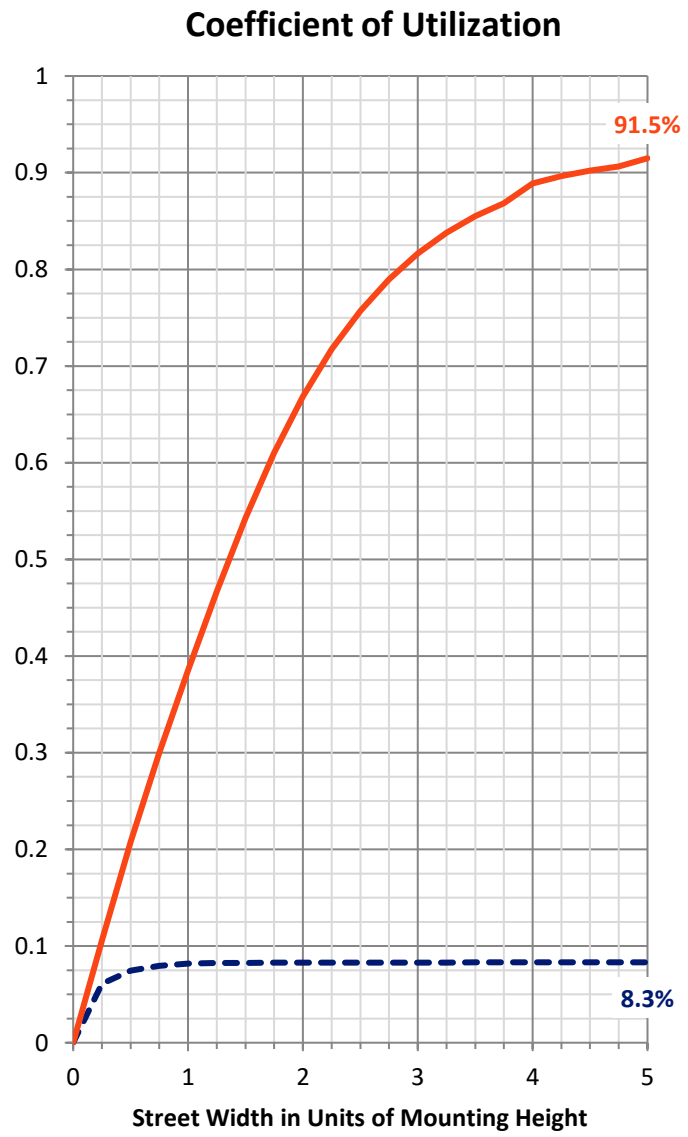
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	516.7	0.0	516.7
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	5638.1	0.0	5638.1
	% Fixture	91.6	0.0	91.6
Total	Lumens	6154.9	0.0	6154.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.6	1.0
10°-20°	128.8	2.1
20°-30°	217.9	3.5
30°-40°	401.2	6.5
40°-50°	658.4	10.7
50°-60°	1171.8	19.0
60°-70°	1753.3	28.5
70°-80°	1561.0	25.4
80°-90°	203.9	3.3
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°	6154.9	100.0
0°-180°	6154.9	100.0



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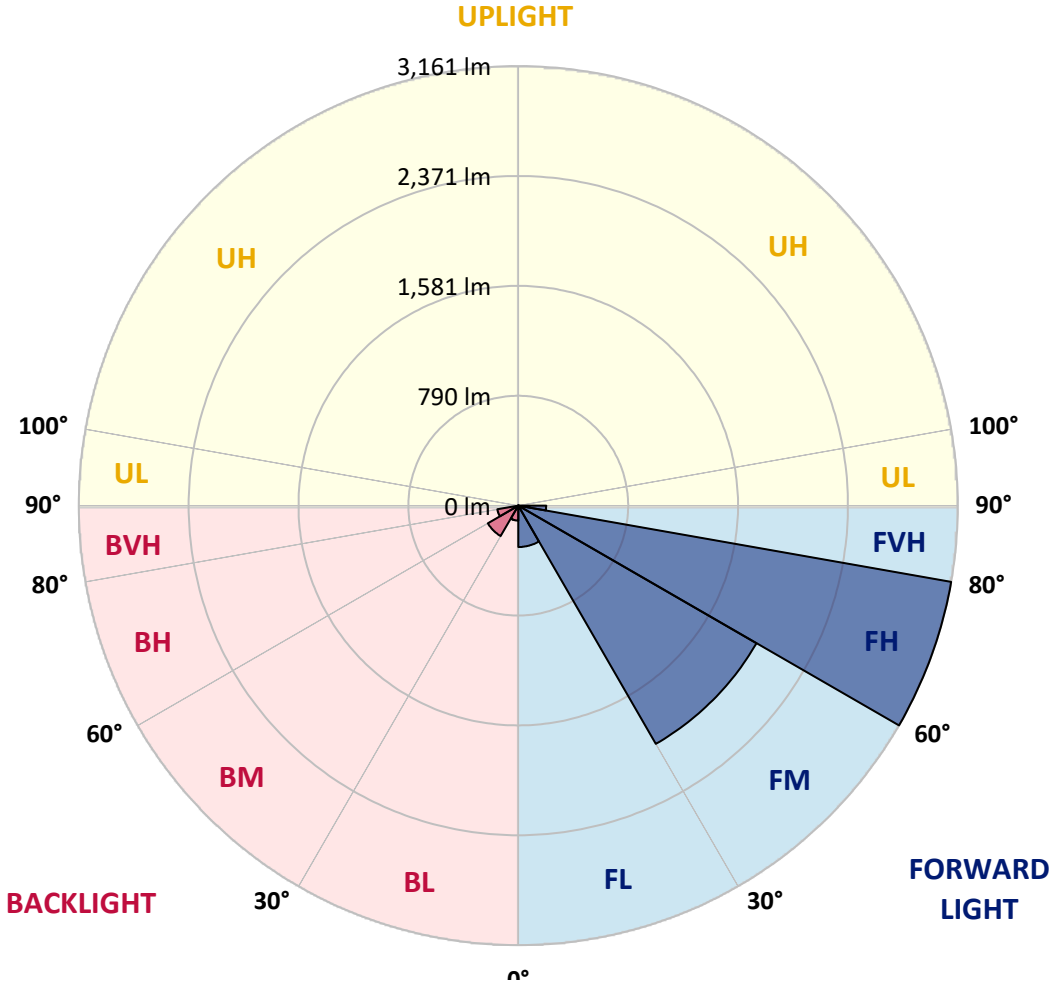
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	297.5	4.8			
FM	(30°-60°)	1978.5	32.1			
FH	(60°-80°)	3161.3	51.4			G2/5000
FVH	(80°-90°)	200.8	3.3			G2/225
BL	(0°-30°)	107.8	1.8	B0/110		
BM	(30°-60°)	252.8	4.1	B1/1000		
BH	(60°-80°)	153.0	2.5	B1/500		G1/500
BVH	(80°-90°)	3.1	0.1			G0/10
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°	754.7	754.7	754.7	754.7	754.7	754.7	754.7	754.7	754.7	*754.7*	754.7
2.5°	702.1	754.7	760.9	763.9	770.1	773.2	773.2	773.2	773.2	*770.1*	770.1
5°	742.3	739.2	736.1	733.0	729.9	723.7	717.6	708.3	702.1	*695.9*	689.7
7.5°	726.8	729.9	739.2	745.4	742.3	739.2	745.4	748.5	739.2	*726.8*	714.5
10°	847.5	841.3	835.1	828.9	819.6	810.3	736.1	661.9	655.7	*646.4*	640.2
12.5°	742.3	835.1	835.1	835.1	835.1	835.1	785.6	736.1	658.8	*581.5*	491.8
15°	927.9	924.8	912.4	900.0	816.5	729.9	683.5	637.1	637.1	*634.0*	596.9
17.5°	770.1	770.1	832.0	890.8	856.7	822.7	757.8	692.8	600.0	*504.1*	541.3
20°	974.3	974.3	961.9	949.5	807.2	665.0	671.2	677.3	683.5	*689.7*	572.2
22.5°	801.1	794.9	788.7	782.5	798.0	813.4	686.6	556.7	631.0	*702.1*	547.4
25°	977.4	986.6	980.4	971.2	844.4	717.6	745.4	770.1	674.3	*578.4*	671.2
27.5°	838.2	828.9	816.5	801.1	810.3	819.6	760.9	699.0	733.0	*767.0*	615.5
30°	1026.8	1029.9	1023.8	1017.6	896.9	776.3	773.2	767.0	739.2	*708.3*	692.8
32.5°	1271.2	1246.4	1159.8	1073.2	999.0	924.8	866.0	807.2	832.0	*853.6*	770.1
35°	1388.7	1342.3	1305.2	1265.0	1141.3	1014.5	943.3	869.1	872.2	*875.3*	841.3
37.5°	1503.2	1435.1	1388.7	1342.3	1193.9	1045.4	968.1	890.8	915.5	*937.1*	900.0
40°	1543.4	1506.2	1478.4	1450.6	1292.8	1132.0	1042.3	949.5	961.9	*971.2*	958.8
42.5°	1645.4	1639.2	1623.8	1605.2	1416.5	1224.8	1116.5	1008.3	1020.7	*1029.9*	1023.8
45°	1889.8	1880.5	1880.5	1877.4	1633.1	1385.6	1243.3	1101.1	1113.4	*1125.8*	1119.6
47.5°	2205.2	2189.8	2171.2	2149.6	1889.8	1626.9	1422.7	1215.5	1215.5	*1215.5*	1224.8
50°	2536.2	2514.5	2474.3	2431.0	2168.1	1905.2	1645.4	1385.6	1357.8	*1326.9*	1360.9
52.5°	2879.5	2842.4	2774.3	2703.2	2471.2	2239.3	1945.4	1648.5	1565.0	*1478.4*	1521.7
55°	3065.1	3024.9	2978.5	2929.0	2740.3	2548.6	2248.5	1948.5	1818.6	*1685.6*	1732.0
57.5°	3216.6	3207.3	3185.7	3164.0	3018.7	2873.3	2573.3	2270.2	2093.9	*1917.6*	1957.8
60°	3423.8	3411.5	3420.7	3430.0	3318.7	3207.3	2922.8	2635.2	2409.4	*2180.5*	2168.1
62.5°	3578.5	3575.4	3621.8	3668.2	3609.4	3547.6	3229.0	2907.3	2687.7	*2465.0*	2403.2
65°	3436.2	3476.4	3649.6	3822.8	3813.5	3801.2	3504.3	3204.2	2987.7	*2768.1*	2687.7
67.5°	3136.2	3154.8	3411.5	3665.1	3776.4	3884.7	3674.4	3461.0	3290.8	*3117.6*	2969.2
70°	2854.7	2895.0	3120.7	3346.5	3634.2	3921.8	3754.8	3587.8	3553.7	*3516.6*	3324.9
72.5°	2582.6	2653.7	2864.0	3074.3	3457.9	3838.3	3739.3	3640.3	3773.3	*3906.3*	3677.5
75°	*1651.6*	*1667.1*	*2066.1*	*2461.9*	*2947.5*	*3430.0*	*3556.8*	*3683.6*	*3977.5*	*4271.3*	*4008.4*
77.5°	482.5	535.1	835.1	1135.1	1691.8	2245.4	2678.5	3111.5	3683.6	*4255.8*	3934.2
80°	163.9	176.3	219.6	259.8	556.7	853.6	1354.7	1852.6	2517.6	*3182.6*	2956.8
82.5°	80.4	83.5	105.2	123.7	188.7	253.6	510.3	763.9	1234.1	*1701.1*	1741.3
85°	24.7	24.7	37.1	49.5	80.4	111.3	191.8	269.1	426.8	*581.5*	491.8
87.5°	6.2	6.2	9.3	12.4	18.6	24.7	24.7	24.7	18.6	*12.4*	15.5
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°	754.7	754.7	754.7	754.7	754.7	754.7	754.7	754.7	754.7	754.7	754.7
2.5°	773.2	773.2	773.2	770.1	763.9	760.9	754.7	748.5	742.3	739.2	733.0
5°	680.4	720.6	757.8	760.9	760.9	751.6	742.3	733.0	723.7	714.5	705.2
7.5°	699.0	677.3	655.7	658.8	661.9	658.8	652.6	637.1	624.8	600.0	572.2
10°	559.8	544.4	525.8	532.0	538.2	553.6	569.1	556.7	538.2	491.8	442.3
12.5°	550.5	547.4	541.3	494.9	445.4	470.1	491.8	479.4	460.8	414.4	365.0
15°	470.1	473.2	473.2	519.6	566.0	584.6	600.0	584.6	562.9	501.1	436.1
17.5°	606.2	575.3	544.4	525.8	504.1	510.3	516.5	448.5	470.1	429.9	386.6
20°	627.9	525.8	423.7	507.2	590.7	618.6	646.4	631.0	603.1	504.1	402.1
22.5°	572.2	609.3	646.4	593.8	541.3	507.2	470.1	454.7	436.1	392.8	349.5
25°	708.3	606.2	501.1	600.0	695.9	702.1	708.3	680.4	649.5	525.8	402.1
27.5°	634.0	668.1	699.0	720.6	742.3	770.1	798.0	767.0	692.8	547.4	399.0
30°	754.7	801.1	847.5	918.6	989.7	1011.4	1029.9	995.9	937.1	692.8	445.4
32.5°	788.7	881.5	974.3	1002.1	1026.8	1054.7	1082.5	1054.7	983.5	686.6	386.6
35°	881.5	946.4	1008.3	1051.6	1094.9	1119.6	1144.4	1125.8	1029.9	677.3	324.8
37.5°	909.3	995.9	1079.4	1128.9	1175.3	1197.0	1215.5	1215.5	1079.4	671.2	259.8
40°	952.6	1060.9	1169.1	1215.5	1258.8	1292.8	1323.8	1336.1	1135.1	668.1	197.9
42.5°	1039.2	1135.1	1231.0	1305.2	1376.3	1425.8	1475.3	1484.6	1200.0	677.3	151.6
45°	1132.0	1234.1	1336.1	1435.1	1534.1	1605.2	1673.3	1667.1	1277.4	702.1	123.7
47.5°	1265.0	1360.9	1456.8	1623.8	1787.7	1855.7	1920.7	1877.4	1357.8	733.0	108.3
50°	1401.1	1518.6	1636.1	1849.6	2059.9	2121.7	2180.5	2090.8	1435.1	770.1	102.1
52.5°	1577.4	1716.6	1855.7	2100.1	2344.4	2400.1	2455.8	2273.3	1493.9	794.9	95.9
55°	1784.6	1964.0	2143.4	2375.3	2604.2	2669.2	2734.1	2452.7	1521.7	807.2	92.8
57.5°	2035.1	2242.4	2446.5	2659.9	2870.2	2959.9	3046.5	2629.0	1534.1	810.3	86.6
60°	2279.5	2508.3	2737.2	2919.7	3102.2	3241.4	3377.4	2802.2	1527.9	804.2	77.3
62.5°	2505.3	2758.9	3009.4	3179.5	3349.6	3516.6	3683.6	2941.3	1487.7	776.3	61.9
65°	2740.3	3009.4	3275.4	3423.8	3572.3	3788.8	4002.2	3062.0	1432.0	739.2	43.3
67.5°	2953.7	3210.4	3467.1	3634.2	3801.2	4014.6	4224.9	3092.9	1351.6	692.8	30.9
70°	3133.1	3411.5	3686.7	3856.8	4027.0	4135.2	4240.4	2956.8	1190.8	606.2	21.7
72.5°	3380.5	3631.1	3878.5	3965.1	4048.6	3859.9	3668.2	2465.0	893.8	457.7	18.6
75°	*3603.2*	*3723.9*	*3841.4*	*3655.8*	*3470.2*	*2963.0*	*2455.8*	*1552.6*	*436.1*	*228.9*	*18.6*
77.5°	3377.4	3312.5	3247.5	2678.5	2106.3	1565.0	1020.7	609.3	136.1	74.2	12.4
80°	2446.5	2149.6	1849.6	1280.5	708.3	473.2	235.1	136.1	34.0	21.7	9.3
82.5°	1317.6	1017.6	714.5	460.8	207.2	139.2	68.0	46.4	15.5	12.4	6.2
85°	476.3	377.3	275.3	213.4	151.6	89.7	24.7	15.5	9.3	9.3	6.2
87.5°	43.3	49.5	55.7	43.3	27.8	18.6	6.2	6.2	6.2	6.2	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	754.7	754.7	754.7	754.7	754.7	754.7	754.7	754.7	754.7	754.7	754.7
2.5°	729.9	726.8	723.7	717.6	714.5	711.4	689.7	668.1	643.3	618.6	618.6
5°	665.0	624.8	603.1	581.5	566.0	550.5	547.4	541.3	535.1	528.9	525.8
7.5°	556.7	541.3	528.9	516.5	501.1	485.6	470.1	454.7	442.3	429.9	402.1
10°	417.5	392.8	374.2	355.7	346.4	334.0	315.5	293.8	293.8	293.8	290.7
12.5°	361.9	358.8	312.4	262.9	247.4	232.0	228.9	225.8	219.6	210.3	197.9
15°	358.8	278.4	238.2	194.9	185.6	173.2	154.6	133.0	129.9	123.7	139.2
17.5°	324.8	262.9	216.5	170.1	136.1	102.1	108.3	111.3	126.8	139.2	148.5
20°	293.8	185.6	154.6	120.6	111.3	99.0	105.2	111.3	108.3	102.1	117.5
22.5°	275.3	197.9	145.4	92.8	99.0	105.2	99.0	89.7	105.2	120.6	129.9
25°	266.0	126.8	114.4	99.0	92.8	86.6	99.0	108.3	102.1	95.9	114.4
27.5°	262.9	126.8	108.3	86.6	92.8	99.0	95.9	89.7	102.1	111.3	108.3
30°	281.5	114.4	102.1	89.7	86.6	83.5	89.7	95.9	95.9	92.8	108.3
32.5°	250.5	114.4	102.1	86.6	86.6	83.5	83.5	83.5	92.8	102.1	108.3
35°	216.5	105.2	95.9	83.5	80.4	77.3	80.4	80.4	89.7	95.9	108.3
37.5°	179.4	99.0	89.7	77.3	74.2	71.1	71.1	68.0	77.3	86.6	95.9
40°	145.4	92.8	83.5	71.1	68.0	65.0	65.0	65.0	71.1	74.2	80.4
42.5°	120.6	86.6	77.3	65.0	61.9	58.8	58.8	55.7	58.8	61.9	65.0
45°	105.2	83.5	74.2	61.9	58.8	52.6	49.5	46.4	46.4	46.4	46.4
47.5°	92.8	77.3	71.1	61.9	55.7	46.4	43.3	37.1	34.0	30.9	27.8
50°	86.6	71.1	65.0	55.7	49.5	40.2	34.0	27.8	24.7	18.6	18.6
52.5°	80.4	65.0	58.8	49.5	40.2	30.9	24.7	15.5	15.5	12.4	12.4
55°	77.3	61.9	52.6	43.3	34.0	21.7	15.5	9.3	9.3	6.2	6.2
57.5°	74.2	58.8	49.5	37.1	24.7	12.4	9.3	6.2	6.2	6.2	6.2
60°	65.0	52.6	40.2	24.7	15.5	6.2	6.2	3.1	6.2	6.2	6.2
62.5°	52.6	40.2	27.8	15.5	9.3	3.1	3.1	3.1	6.2	6.2	6.2
65°	37.1	27.8	18.6	9.3	6.2	3.1	3.1	3.1	3.1	3.1	3.1
67.5°	27.8	21.7	15.5	6.2	6.2	3.1	3.1	3.1	3.1	3.1	3.1
70°	18.6	15.5	12.4	6.2	6.2	3.1	3.1	3.1	3.1	3.1	3.1
72.5°	15.5	12.4	9.3	3.1	3.1	0.0	3.1	3.1	3.1	3.1	3.1
75°	*15.5*	*12.4*	*9.3*	*3.1*	*3.1*	*0.0*	*3.1*	*3.1*	*3.1*	*3.1*	*3.1*
77.5°	12.4	9.3	6.2	3.1	3.1	0.0	3.1	6.2	6.2	6.2	6.2
80°	9.3	6.2	6.2	3.1	3.1	0.0	3.1	6.2	6.2	6.2	6.2
82.5°	6.2	6.2	6.2	3.1	3.1	0.0	6.2	9.3	9.3	6.2	6.2
85°	6.2	3.1	3.1	3.1	3.1	3.1	6.2	9.3	9.3	9.3	6.2
87.5°	3.1	3.1	3.1	3.1	3.1	3.1	6.2	9.3	9.3	9.3	6.2
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°	754.7	754.7	754.7	754.7
2.5°	615.5	615.5	612.4	612.4
5°	519.6	519.6	516.5	516.5
7.5°	374.2	368.1	358.8	361.9
10°	287.6	281.5	275.3	281.5
12.5°	185.6	188.7	188.7	179.4
15°	151.6	163.9	173.2	173.2
17.5°	157.7	157.7	154.6	154.6
20°	133.0	145.4	157.7	157.7
22.5°	136.1	129.9	123.7	123.7
25°	129.9	139.2	145.4	145.4
27.5°	105.2	108.3	111.3	111.3
30°	120.6	126.8	129.9	129.9
32.5°	114.4	120.6	123.7	126.8
35°	117.5	123.7	126.8	126.8
37.5°	105.2	108.3	111.3	111.3
40°	83.5	86.6	89.7	89.7
42.5°	65.0	65.0	61.9	65.0
45°	43.3	43.3	40.2	43.3
47.5°	24.7	24.7	24.7	24.7
50°	15.5	15.5	15.5	15.5
52.5°	9.3	9.3	9.3	9.3
55°	6.2	6.2	6.2	6.2
57.5°	6.2	6.2	3.1	3.1
60°	3.1	3.1	3.1	3.1
62.5°	3.1	3.1	0.0	0.0
65°	0.0	0.0	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°	0.0	0.0	0.0	0.0
75°	*3.1*	*3.1*	*0.0*	*0.0*
77.5°	3.1	3.1	0.0	0.0
80°	3.1	3.1	0.0	0.0
82.5°	3.1	3.1	0.0	0.0
85°	3.1	3.1	3.1	0.0
87.5°	3.1	3.1	3.1	0.0
90°	0.0	0.0	0.0	0.0

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(END OF REPORT)