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: P561072

Luminaire Tested: **SDL-PA1-80-730-U-T3-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:	P561072
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-2)
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-T3-HSS
Description:	Springdale
	(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6299.8 lumens
Efficiency:	N/A
Efficacy:	76.8 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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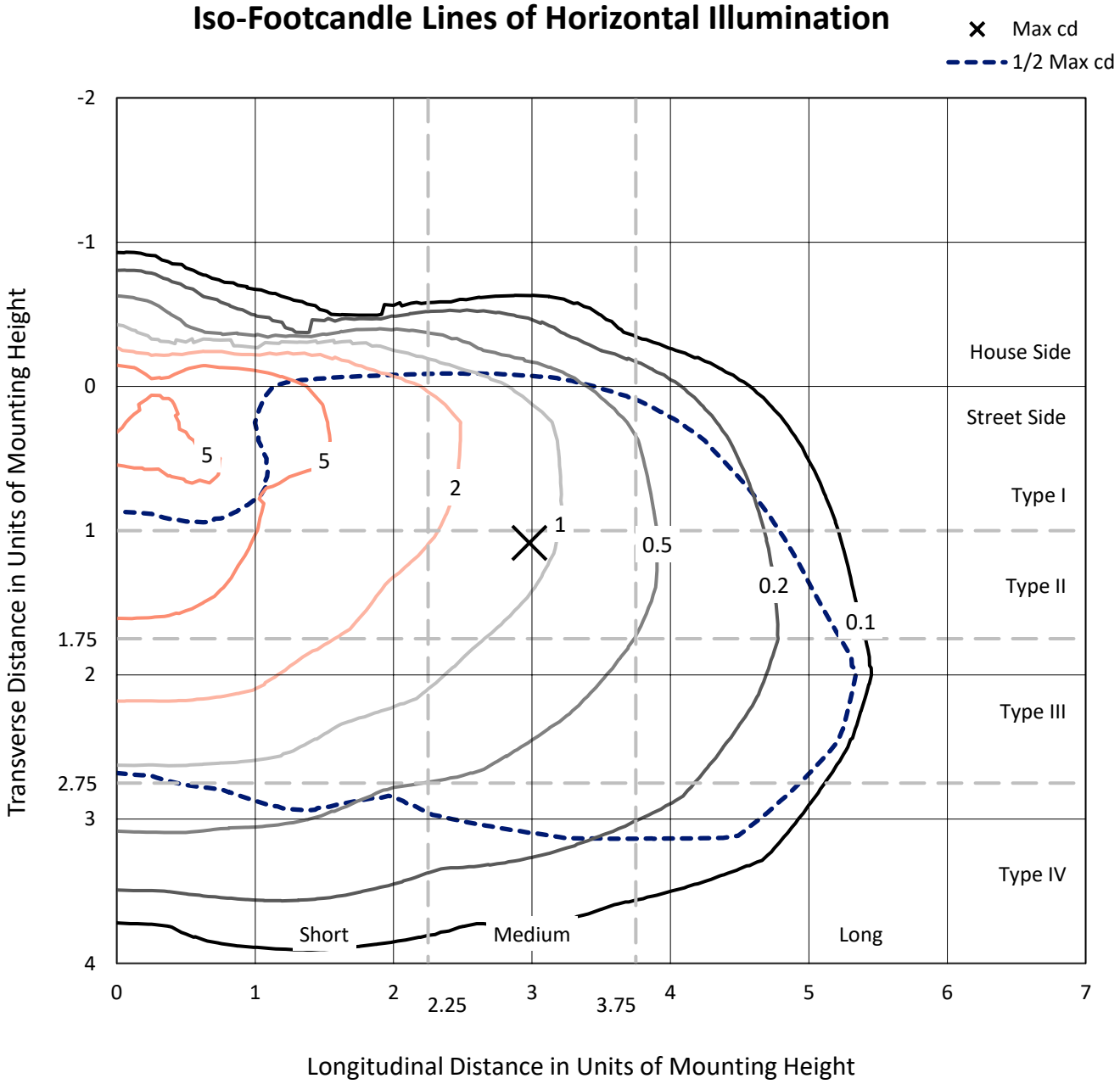
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 9.9 fc
Type IV - Medium - N/A

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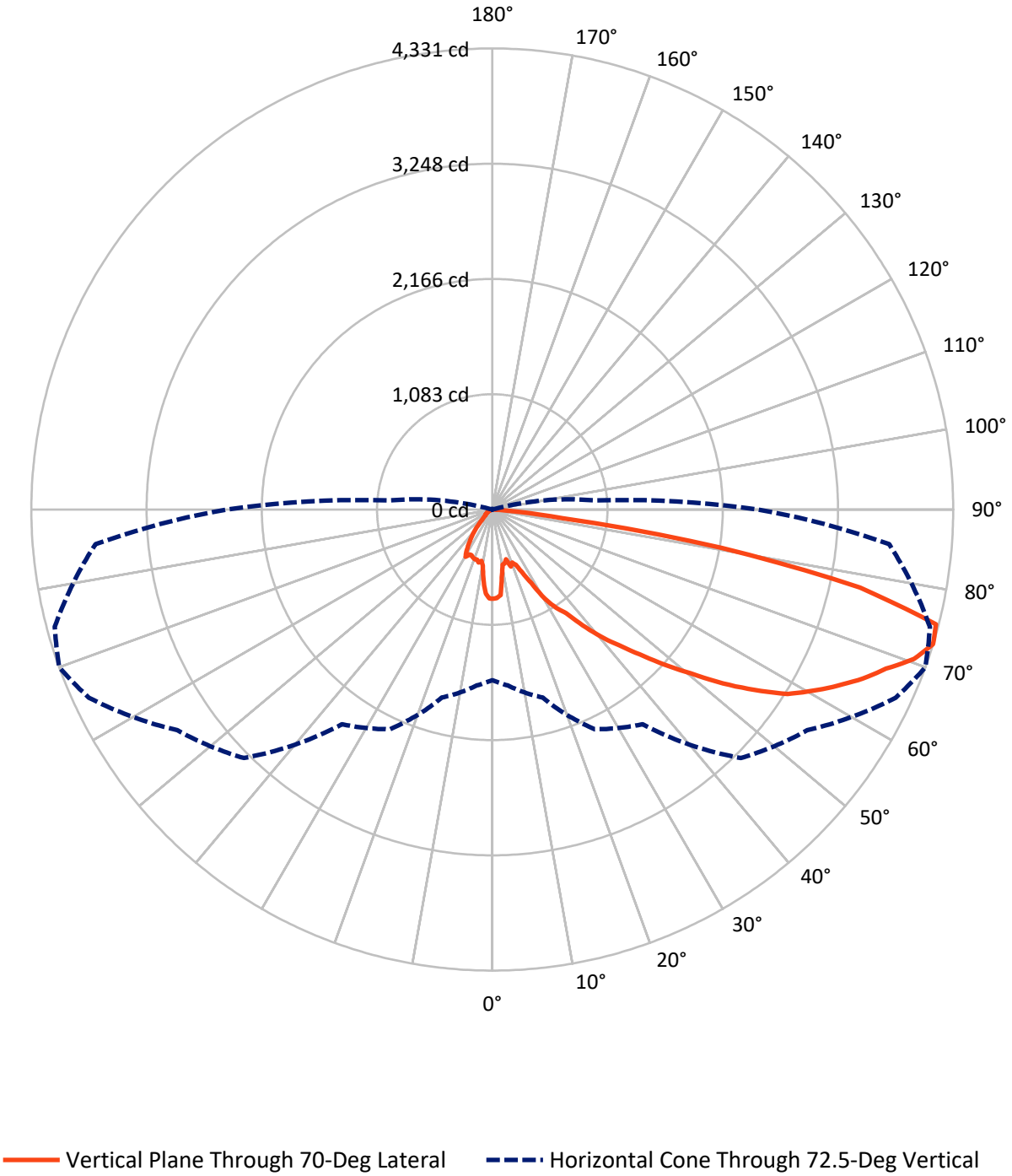
Luminous Intensity Polar Plot



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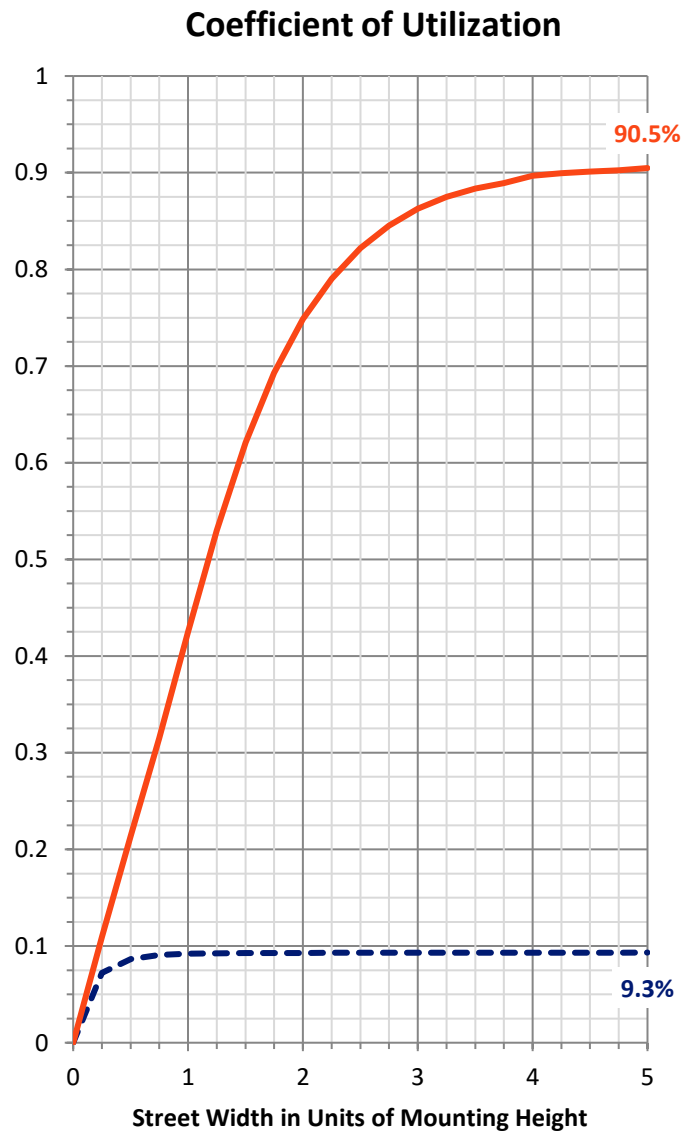
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	594.0	0.0	594.0
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	5705.8	0.0	5705.8
	% Fixture	90.6	0.0	90.6
Total	Lumens	6299.8	0.0	6299.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.5	1.0
10°-20°	129.0	2.0
20°-30°	210.2	3.3
30°-40°	448.5	7.1
40°-50°	864.2	13.7
50°-60°	1429.2	22.7
60°-70°	1749.4	27.8
70°-80°	1281.7	20.3
80°-90°	123.1	2.0
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°	6299.8	100.0
0°-180°	6299.8	100.0



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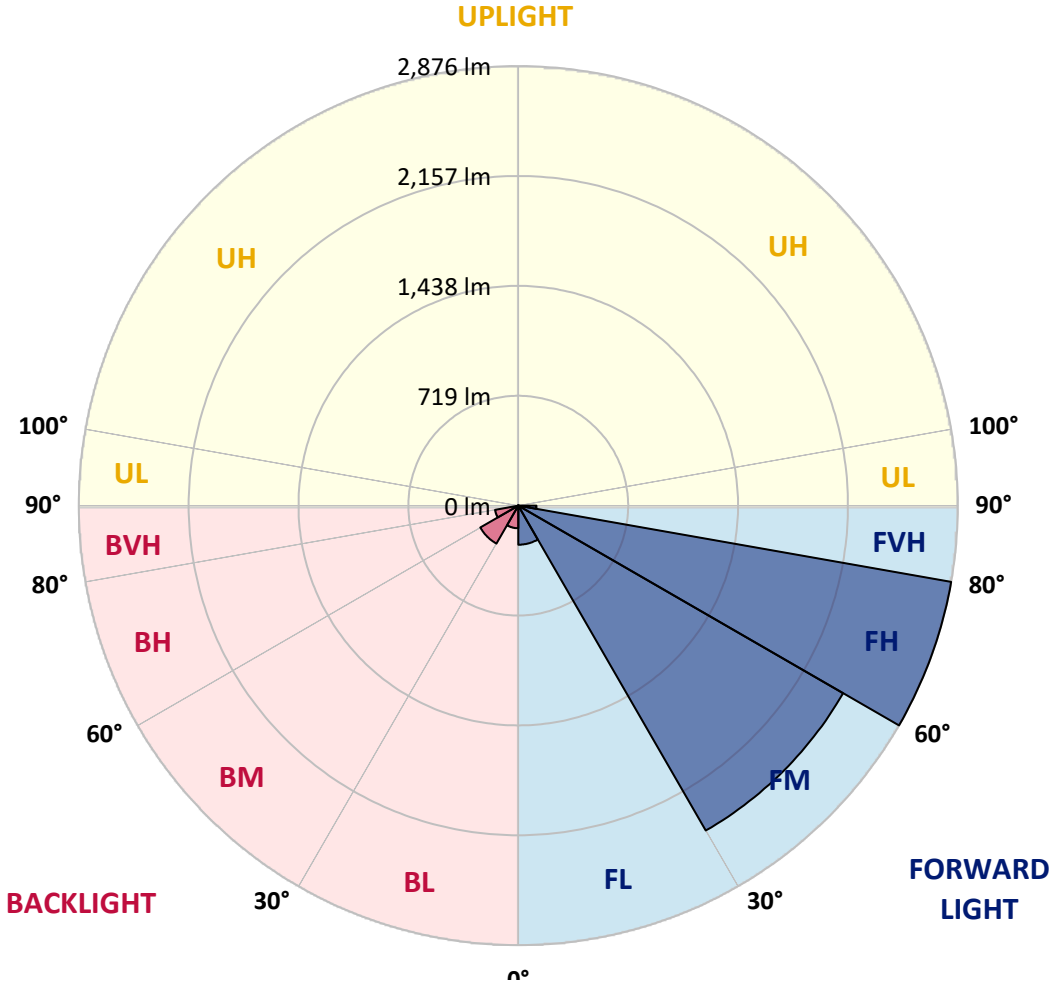
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	255.8	4.1			
FM	(30°-60°)	2454.9	39.0			
FH	(60°-80°)	2876.5	45.7			G2/5000
FVH	(80°-90°)	118.8	1.9			G2/225
BL	(0°-30°)	147.9	2.3	B1/500		
BM	(30°-60°)	287.0	4.6	B1/1000		
BH	(60°-80°)	154.7	2.5	B1/500		G1/500
BVH	(80°-90°)	4.3	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°	838.4	838.4	838.4	838.4	838.4	838.4	838.4	838.4	838.4	838.4	838.4
2.5°	745.6	767.2	779.6	792.0	788.9	785.8	792.0	798.1	810.5	819.8	826.0
5°	671.3	671.3	671.3	671.3	674.4	674.4	674.4	674.4	677.5	680.6	683.7
7.5°	581.6	594.0	600.2	606.3	621.8	634.2	646.6	658.9	665.1	668.2	671.3
10°	631.1	631.1	631.1	631.1	634.2	634.2	594.0	550.7	553.8	556.8	538.3
12.5°	522.8	519.7	553.8	584.7	606.3	624.9	603.2	578.5	541.4	501.2	495.0
15°	615.6	615.6	615.6	615.6	572.3	529.0	498.1	467.1	491.9	513.5	464.0
17.5°	485.7	498.1	535.2	572.3	572.3	572.3	544.5	516.6	464.0	408.4	467.1
20°	603.2	603.2	603.2	600.2	529.0	457.8	482.6	504.3	525.9	547.6	538.3
22.5°	501.2	495.0	504.3	513.5	535.2	553.8	491.9	426.9	498.1	566.1	532.1
25°	634.2	634.2	637.3	637.3	569.2	501.2	541.4	578.5	525.9	473.3	556.8
27.5°	572.3	553.8	550.7	544.5	566.1	584.7	556.8	529.0	587.8	646.6	618.7
30°	795.0	795.0	773.4	751.7	668.2	581.6	590.9	597.1	597.1	597.1	658.9
32.5°	1104.4	1107.5	1024.0	937.4	863.1	785.8	717.7	646.6	683.7	720.8	761.0
35°	1488.0	1497.3	1438.5	1376.6	1194.1	1011.6	897.1	782.7	779.6	773.4	832.2
37.5°	1763.3	1781.9	1735.5	1689.1	1472.5	1256.0	1092.0	928.1	912.6	894.0	915.7
40°	2023.2	2010.8	1983.0	1952.0	1723.1	1491.1	1311.7	1129.2	1088.9	1045.6	1048.7
42.5°	2360.4	2323.3	2252.1	2181.0	1961.3	1741.7	1549.9	1358.1	1293.1	1228.2	1215.8
45°	2796.6	2734.7	2632.6	2527.5	2310.9	2094.4	1859.2	1621.0	1540.6	1457.1	1438.5
47.5°	3019.3	2976.0	2911.1	2843.0	2620.3	2397.5	2171.7	1942.8	1831.4	1716.9	1686.0
50°	3282.3	3226.6	3183.3	3136.9	2945.1	2750.2	2539.8	2326.4	2177.9	2029.4	1976.8
52.5°	3532.9	3440.1	3399.8	3356.5	3204.9	3050.3	2830.6	2611.0	2515.1	2416.1	2289.2
55°	3622.6	3532.9	3514.3	3495.7	3387.5	3279.2	3078.1	2877.0	2765.7	2651.2	2549.1
57.5°	3427.7	3440.1	3495.7	3551.4	3489.6	3427.7	3263.7	3096.7	2972.9	2849.2	2790.4
60°	3294.7	3322.5	3406.0	3489.6	3489.6	3489.6	3399.8	3310.1	3192.6	3075.0	3034.8
62.5°	3081.2	3115.2	3242.1	3368.9	3449.3	3529.8	3433.9	3338.0	3297.8	3254.4	3217.3
65°	2799.7	2809.0	2951.3	3093.6	3260.6	3424.6	3334.9	3242.1	3319.4	3396.7	3359.6
67.5°	2474.9	2490.3	2623.4	2753.3	2951.3	3149.3	3124.5	3096.7	3266.8	3437.0	3433.9
70°	2088.2	2116.0	2230.5	2341.8	2564.6	2784.2	2809.0	2833.7	3127.6	3418.4	3474.1
72.5°	*1602.5*	*1658.2*	*1744.8*	*1828.3*	*2054.1*	*2276.9*	*2369.7*	*2462.5*	*2883.2*	*3300.8*	*3458.6*
75°	532.1	569.2	810.5	1048.7	1277.6	1506.6	1710.7	1911.8	2437.7	2960.6	3288.5
77.5°	154.7	160.9	207.3	250.6	430.0	606.3	816.7	1024.0	1537.5	2047.9	2592.4
80°	80.4	83.5	92.8	102.1	148.5	194.9	281.5	365.0	600.2	835.3	1407.6
82.5°	55.7	55.7	65.0	71.2	89.7	108.3	154.7	201.1	219.6	238.2	566.1
85°	18.6	18.6	24.7	30.9	43.3	55.7	83.5	108.3	108.3	105.2	151.6
87.5°	3.1	3.1	6.2	9.3	15.5	18.6	15.5	12.4	9.3	6.2	12.4
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°	838.4	838.4	838.4	838.4	838.4	838.4	838.4	838.4	838.4	838.4	838.4
2.5°	829.1	832.2	832.2	832.2	835.3	835.3	835.3	835.3	832.2	835.3	835.3
5°	683.7	739.4	792.0	807.4	816.7	819.8	819.8	819.8	816.7	816.7	816.7
7.5°	674.4	671.3	668.2	643.5	702.2	714.6	723.9	720.8	720.8	705.3	686.8
10°	519.7	519.7	519.7	525.9	559.9	600.2	640.4	640.4	640.4	594.0	547.6
12.5°	485.7	504.3	519.7	519.7	464.0	510.4	556.8	556.8	556.8	510.4	460.9
15°	414.5	436.2	454.8	485.7	578.5	634.2	689.9	689.9	686.8	634.2	578.5
17.5°	522.8	516.6	507.3	563.0	529.0	538.3	547.6	519.7	559.9	544.5	529.0
20°	529.0	473.3	414.5	532.1	652.7	705.3	757.9	761.0	751.7	693.0	631.1
22.5°	498.1	569.2	637.3	563.0	581.6	569.2	553.8	547.6	547.6	544.5	541.4
25°	637.3	569.2	501.2	658.9	770.3	807.4	844.5	835.3	822.9	739.4	655.8
27.5°	587.8	655.8	720.8	782.7	838.4	872.4	906.4	1002.3	872.4	776.5	677.5
30°	717.7	801.2	881.7	971.4	1141.5	1191.0	1240.5	1215.8	1184.8	999.2	813.6
32.5°	798.1	931.2	1061.1	1101.3	1203.4	1249.8	1293.1	1271.5	1234.3	989.9	745.6
35°	887.9	1011.6	1132.2	1197.2	1321.0	1358.1	1392.1	1358.1	1317.9	980.7	643.5
37.5°	937.4	1104.4	1268.4	1379.7	1484.9	1494.2	1500.4	1469.4	1416.9	980.7	544.5
40°	1051.8	1231.2	1407.6	1568.4	1652.0	1655.1	1658.2	1608.7	1512.8	971.4	426.9
42.5°	1203.4	1385.9	1565.4	1741.7	1853.1	1843.8	1831.4	1763.3	1605.6	955.9	306.3
45°	1420.0	1580.8	1741.7	1939.7	2075.8	2051.0	2023.2	1921.1	1670.5	940.4	207.3
47.5°	1652.0	1778.8	1902.6	2174.8	2348.0	2295.4	2239.7	2091.3	1716.9	934.3	148.5
50°	1921.1	2023.2	2125.3	2422.3	2629.5	2530.5	2431.6	2261.4	1735.5	928.1	117.6
52.5°	2159.3	2264.5	2366.6	2713.1	2870.8	2759.5	2648.1	2394.4	1726.2	915.7	102.1
55°	2443.9	2536.7	2629.5	2991.5	3118.3	2969.8	2818.2	2490.3	1679.8	887.9	92.8
57.5°	2728.5	2824.4	2917.2	3269.9	3307.0	3161.6	3013.1	2583.1	1633.4	860.0	83.5
60°	2994.6	3102.9	3211.1	3458.6	3486.5	3356.5	3226.6	2672.9	1559.2	816.7	74.2
62.5°	3180.2	3328.7	3477.2	3644.2	3656.6	3539.1	3418.4	2740.9	1463.3	767.2	68.1
65°	3319.4	3523.6	3724.7	3826.8	3820.6	3737.0	3653.5	2799.7	1385.9	720.8	55.7
67.5°	3427.7	3675.2	3922.7	3990.7	4006.2	3928.8	3851.5	2809.0	1290.0	668.2	43.3
70°	3529.8	3802.0	4074.2	4204.2	4173.2	4052.6	3931.9	2737.8	1160.1	597.1	30.9
72.5°	3613.3	3897.9	4182.5	4331.0	4256.8	4000.0	3743.2	2496.5	971.4	498.1	21.7
75°	3613.3	3897.9	4179.4	4306.3	4052.6	3542.1	3028.6	1859.2	569.2	293.9	18.6
77.5°	3136.9	3344.2	3551.4	3532.9	3087.4	2453.2	1815.9	1070.4	191.8	105.2	15.5
80°	1979.9	2116.0	2252.1	2184.1	1577.7	1132.2	683.7	358.9	68.1	40.2	12.4
82.5°	894.0	878.6	863.1	665.1	309.4	207.3	102.1	61.9	18.6	12.4	6.2
85°	198.0	191.8	185.6	136.1	92.8	61.9	30.9	18.6	9.3	9.3	6.2
87.5°	18.6	21.7	21.7	15.5	15.5	12.4	6.2	6.2	6.2	6.2	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	838.4	838.4	838.4	838.4	838.4	838.4	838.4	838.4	838.4	838.4	838.4
2.5°	835.3	835.3	835.3	832.2	832.2	832.2	810.5	785.8	770.3	751.7	742.5
5°	788.9	761.0	727.0	693.0	686.8	677.5	680.6	680.6	683.7	683.7	683.7
7.5°	671.3	655.8	662.0	668.2	668.2	668.2	668.2	665.1	662.0	658.9	628.0
10°	535.2	522.8	522.8	522.8	532.1	538.3	522.8	504.3	532.1	556.8	550.7
12.5°	491.9	522.8	482.6	439.3	445.5	448.6	448.6	445.5	433.1	420.7	377.4
15°	513.5	448.6	411.4	371.2	371.2	371.2	300.1	228.9	213.5	198.0	201.1
17.5°	491.9	454.8	411.4	365.0	275.3	182.5	173.2	160.9	160.9	160.9	164.0
20°	495.0	358.9	303.2	247.5	198.0	145.4	136.1	123.7	117.6	108.3	126.8
22.5°	485.7	426.9	290.8	154.7	136.1	117.6	108.3	95.9	111.4	126.8	126.8
25°	470.2	281.5	210.4	136.1	114.5	92.8	105.2	114.5	108.3	99.0	114.5
27.5°	473.3	266.0	182.5	99.0	105.2	108.3	102.1	92.8	102.1	108.3	102.1
30°	510.4	207.3	154.7	99.0	95.9	89.7	92.8	95.9	92.8	86.6	92.8
32.5°	454.8	164.0	129.9	92.8	89.7	86.6	83.5	80.4	83.5	83.5	83.5
35°	383.6	123.7	105.2	86.6	80.4	74.2	74.2	71.2	71.2	71.2	71.2
37.5°	324.8	105.2	92.8	77.3	71.2	65.0	61.9	55.7	55.7	52.6	52.6
40°	263.0	95.9	83.5	68.1	61.9	52.6	49.5	43.3	43.3	40.2	40.2
42.5°	198.0	86.6	74.2	58.8	52.6	43.3	37.1	30.9	30.9	27.8	27.8
45°	142.3	77.3	65.0	49.5	43.3	34.0	27.8	21.7	21.7	18.6	18.6
47.5°	111.4	71.2	58.8	43.3	34.0	24.7	21.7	15.5	15.5	15.5	15.5
50°	89.7	61.9	49.5	34.0	24.7	15.5	12.4	9.3	9.3	9.3	9.3
52.5°	80.4	55.7	43.3	27.8	21.7	12.4	9.3	6.2	9.3	9.3	9.3
55°	71.2	49.5	37.1	21.7	15.5	9.3	9.3	6.2	9.3	9.3	9.3
57.5°	65.0	43.3	30.9	15.5	12.4	6.2	6.2	3.1	6.2	6.2	6.2
60°	55.7	37.1	24.7	12.4	9.3	3.1	3.1	3.1	6.2	6.2	6.2
62.5°	49.5	30.9	21.7	9.3	6.2	3.1	3.1	3.1	6.2	6.2	6.2
65°	40.2	21.7	15.5	6.2	6.2	3.1	3.1	3.1	6.2	6.2	6.2
67.5°	30.9	15.5	12.4	6.2	6.2	3.1	3.1	3.1	6.2	6.2	3.1
70°	21.7	12.4	9.3	3.1	3.1	3.1	3.1	3.1	6.2	6.2	3.1
72.5°	*15.5*	*9.3*	*6.2*	*3.1*	*3.1*	*0.0*	*3.1*	*3.1*	*6.2*	*6.2*	*6.2*
75°	15.5	9.3	6.2	3.1	3.1	0.0	3.1	6.2	6.2	6.2	6.2
77.5°	12.4	6.2	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	6.2	9.3	9.3	9.3	6.2
82.5°	6.2	6.2	6.2	3.1	3.1	0.0	6.2	9.3	9.3	9.3	6.2
85°	6.2	6.2	6.2	6.2	3.1	0.0	6.2	9.3	9.3	9.3	9.3
87.5°	6.2	6.2	6.2	6.2	6.2	3.1	9.3	12.4	12.4	9.3	9.3
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):

	165°	170°	175°	180°
0°	838.4	838.4	838.4	838.4
2.5°	730.1	730.1	727.0	736.3
5°	683.7	683.7	683.7	686.8
7.5°	594.0	572.3	550.7	553.8
10°	541.4	535.2	525.9	532.1
12.5°	334.1	315.5	293.9	284.6
15°	204.2	204.2	204.2	201.1
17.5°	167.1	154.7	139.2	142.3
20°	145.4	148.5	151.6	151.6
22.5°	126.8	120.6	114.5	114.5
25°	126.8	126.8	126.8	126.8
27.5°	95.9	95.9	92.8	92.8
30°	99.0	99.0	95.9	92.8
32.5°	80.4	80.4	80.4	80.4
35°	68.1	65.0	61.9	61.9
37.5°	52.6	49.5	46.4	46.4
40°	37.1	37.1	34.0	34.0
42.5°	27.8	27.8	24.7	24.7
45°	18.6	18.6	18.6	18.6
47.5°	12.4	12.4	12.4	12.4
50°	9.3	9.3	9.3	9.3
52.5°	9.3	9.3	6.2	6.2
55°	6.2	6.2	6.2	6.2
57.5°	6.2	6.2	6.2	6.2
60°	6.2	6.2	3.1	3.1
62.5°	3.1	3.1	3.1	3.1
65°	3.1	3.1	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°	*3.1*	*3.1*	*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	3.1	0.0
85°	6.2	6.2	3.1	0.0
87.5°	6.2	6.2	3.1	0.0
90°	0.0	0.0	0.0	0.0

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(END OF REPORT)