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: P560962

Luminaire Tested: **SDL-PA1-70-760-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:	P560962
	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-PA1-70-760-U-T3-HSS
Description:	Springdale
	(1) 70 CRI, 5700K, 930mA 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:	6301.2 lumens
Efficiency:	N/A
Efficacy:	87.3 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):	72.2
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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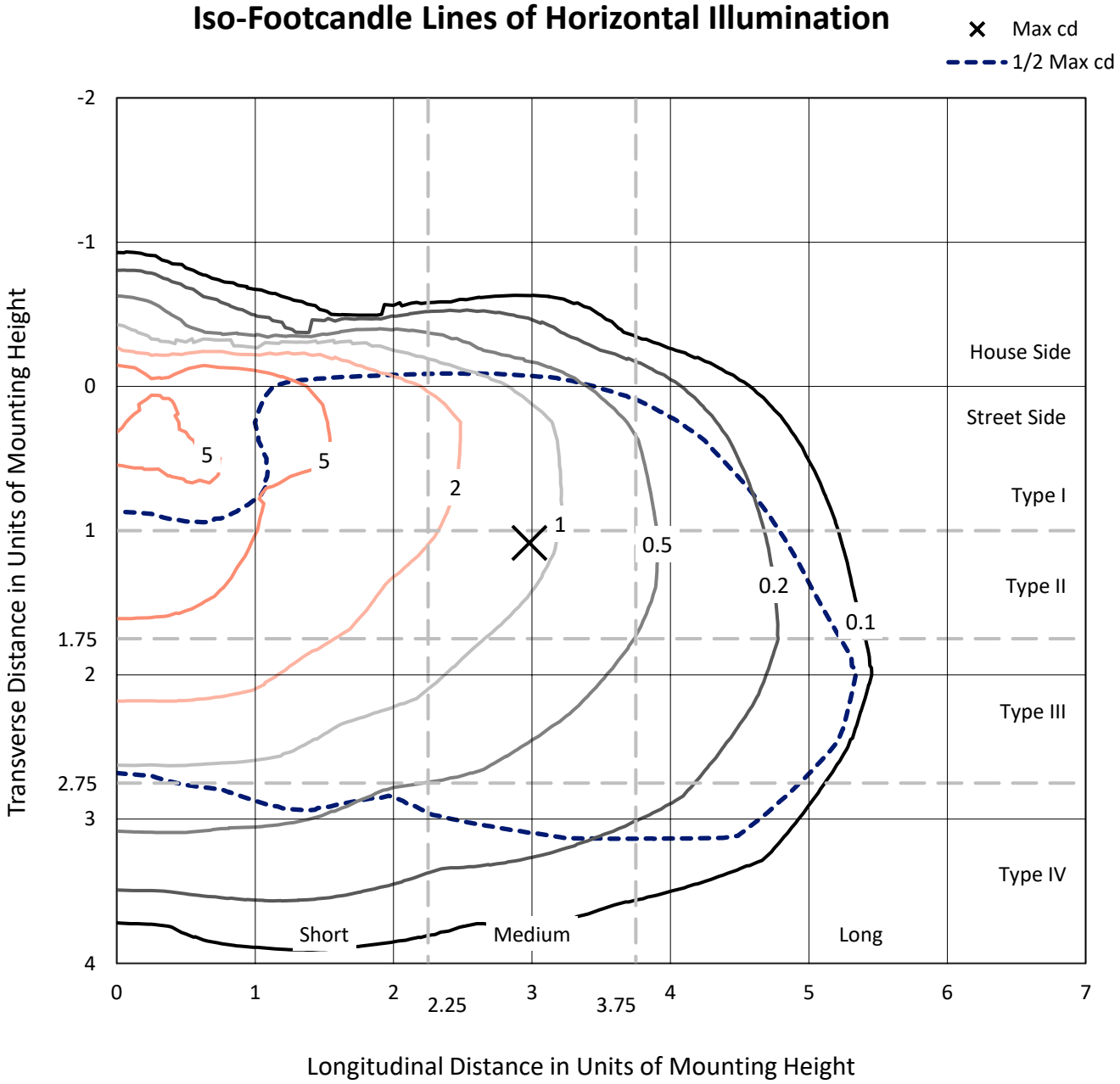
Iso-Footcandle Lines of Horizontal Illumination



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

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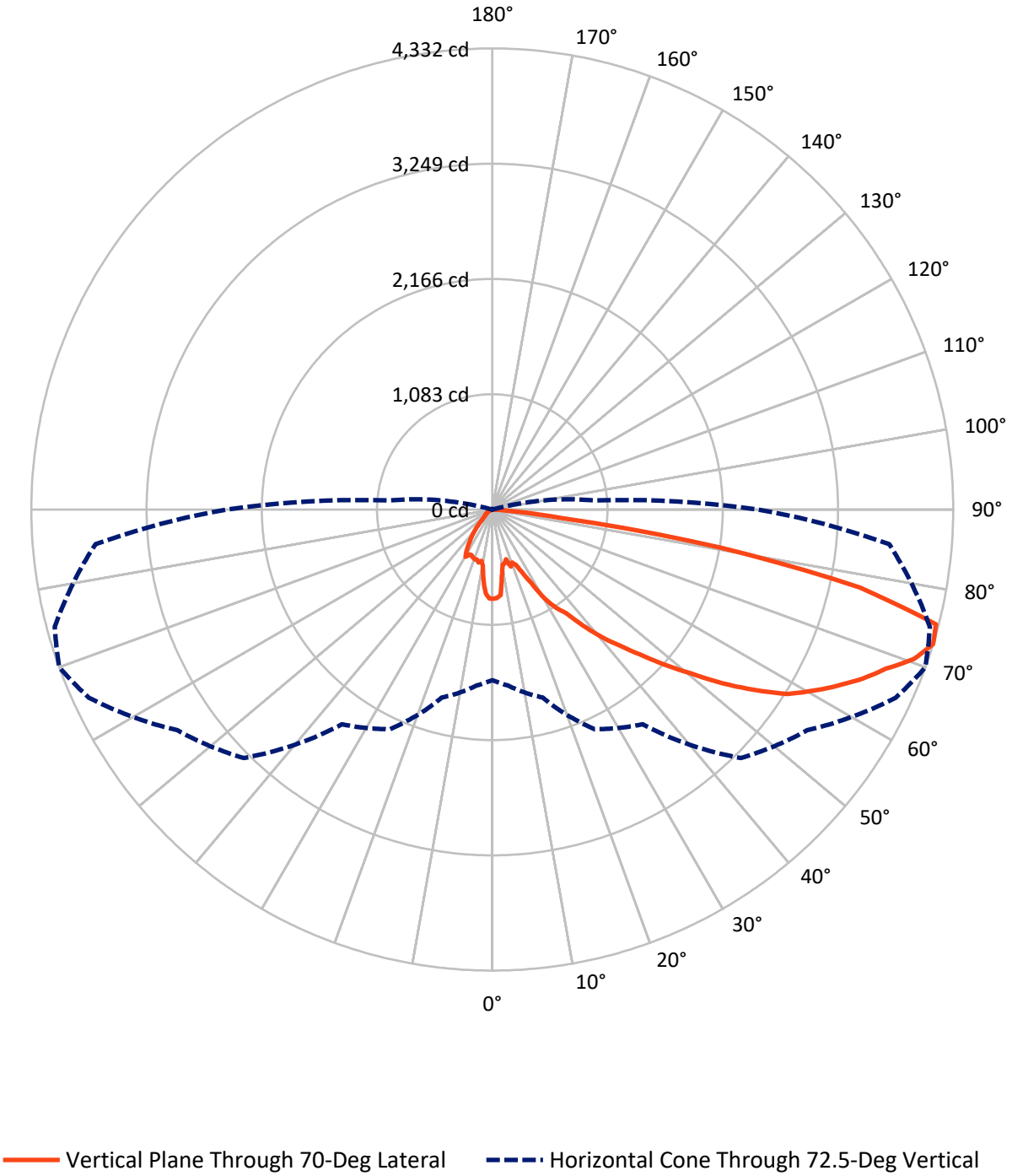
Luminous Intensity Polar Plot



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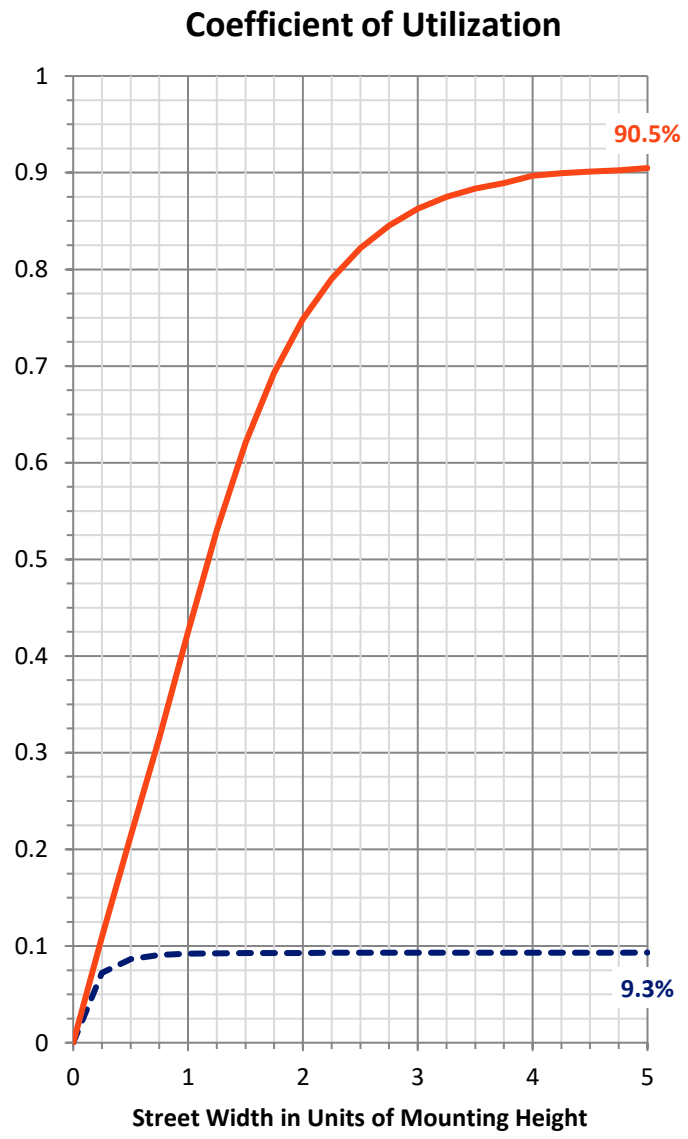
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	594.1	0.0	594.1
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	5707.1	0.0	5707.1
	% Fixture	90.6	0.0	90.6
Total	Lumens	6301.2	0.0	6301.2
	% 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°	448.6	7.1
40°-50°	864.4	13.7
50°-60°	1429.6	22.7
60°-70°	1749.8	27.8
70°-80°	1282.0	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°	6301.2	100.0
0°-180°	6301.2	100.0



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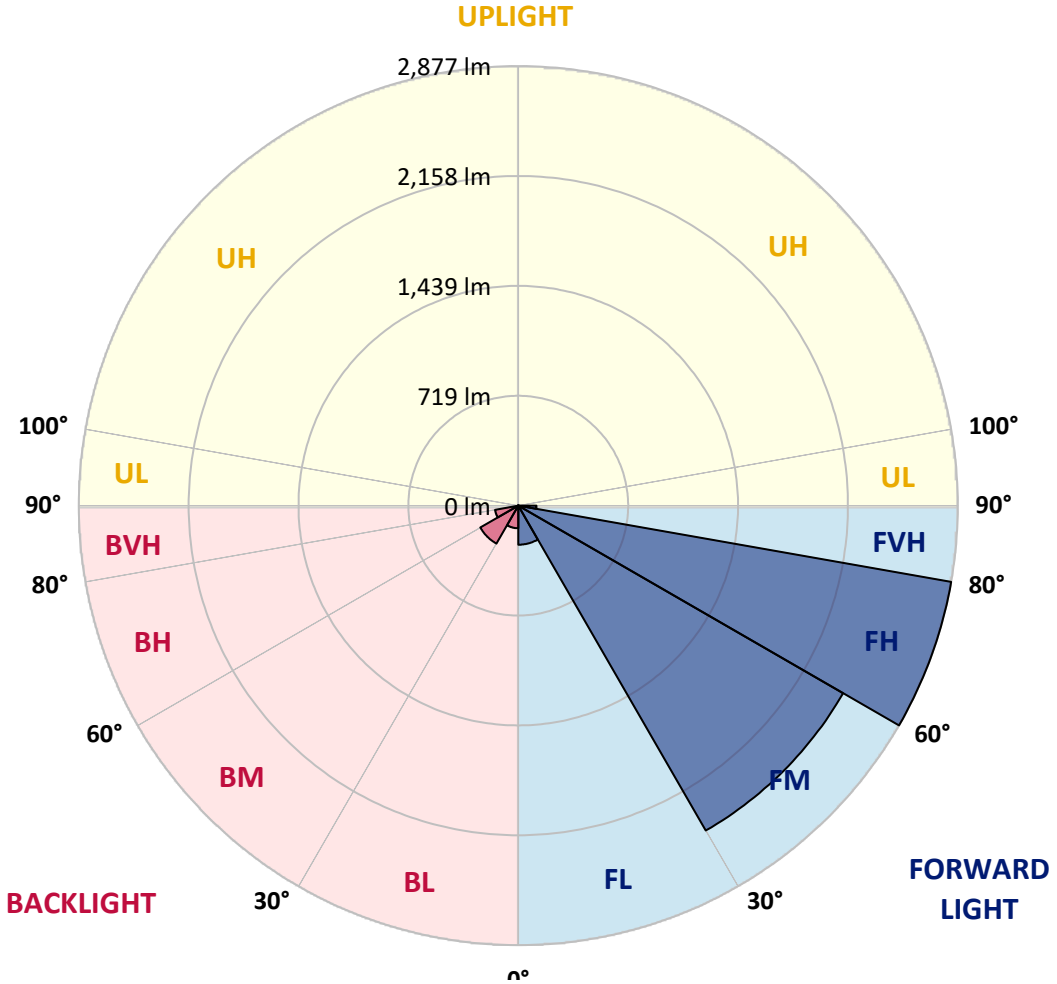
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	255.8	4.1			
FM	(30°-60°)	2455.4	39.0			
FH	(60°-80°)	2877.1	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°)	287.1	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



REPORT NUMBER: P560962
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	838.6	838.6	838.6	838.6	838.6	838.6	838.6	838.6	838.6	838.6	838.6
2.5°	745.7	767.4	779.8	792.1	789.0	785.9	792.1	798.3	810.7	820.0	826.2
5°	671.5	671.5	671.5	671.5	674.6	674.6	674.6	674.6	677.6	680.7	683.8
7.5°	581.7	594.1	600.3	606.5	622.0	634.3	646.7	659.1	665.3	668.4	671.5
10°	631.2	631.2	631.2	631.2	634.3	634.3	594.1	550.8	553.9	557.0	538.4
12.5°	522.9	519.8	553.9	584.8	606.5	625.0	603.4	578.6	541.5	501.3	495.1
15°	615.8	615.8	615.8	615.8	572.4	529.1	498.2	467.2	492.0	513.7	464.1
17.5°	485.8	498.2	535.3	572.4	572.4	572.4	544.6	516.7	464.1	408.4	467.2
20°	603.4	603.4	603.4	600.3	529.1	458.0	482.7	504.4	526.0	547.7	538.4
22.5°	501.3	495.1	504.4	513.7	535.3	553.9	492.0	427.0	498.2	566.3	532.2
25°	634.3	634.3	637.4	637.4	569.3	501.3	541.5	578.6	526.0	473.4	557.0
27.5°	572.4	553.9	550.8	544.6	566.3	584.8	557.0	529.1	587.9	646.7	618.9
30°	795.2	795.2	773.6	751.9	668.4	581.7	591.0	597.2	597.2	597.2	659.1
32.5°	1104.7	1107.8	1024.2	937.6	863.3	785.9	717.9	646.7	683.8	721.0	761.2
35°	1488.4	1497.6	1438.8	1377.0	1194.4	1011.8	897.3	782.9	779.8	773.6	832.4
37.5°	1763.7	1782.3	1735.9	1689.5	1472.9	1256.3	1092.3	928.3	912.8	894.2	915.9
40°	2023.7	2011.3	1983.4	1952.5	1723.5	1491.4	1312.0	1129.4	1089.2	1045.9	1049.0
42.5°	2360.9	2323.8	2252.6	2181.5	1961.8	1742.1	1550.2	1358.4	1293.4	1228.4	1216.1
45°	2797.2	2735.4	2633.2	2528.0	2311.4	2094.8	1859.7	1621.4	1541.0	1457.4	1438.8
47.5°	3020.0	2976.7	2911.7	2843.7	2620.9	2398.1	2172.2	1943.2	1831.8	1717.3	1686.4
50°	3283.0	3227.3	3184.0	3137.6	2945.8	2750.8	2540.4	2326.9	2178.4	2029.9	1977.3
52.5°	3533.7	3440.8	3400.6	3357.3	3205.7	3051.0	2831.3	2611.6	2515.7	2416.6	2289.8
55°	3623.4	3533.7	3515.1	3496.5	3388.2	3279.9	3078.8	2877.7	2766.3	2651.8	2549.7
57.5°	3428.5	3440.8	3496.5	3552.2	3490.4	3428.5	3264.5	3097.4	2973.6	2849.8	2791.0
60°	3295.4	3323.3	3406.8	3490.4	3490.4	3490.4	3400.6	3310.9	3193.3	3075.7	3035.5
62.5°	3081.9	3115.9	3242.8	3369.7	3450.1	3530.6	3434.7	3338.7	3298.5	3255.2	3218.1
65°	2800.3	2809.6	2952.0	3094.3	3261.4	3425.4	3335.6	3242.8	3320.2	3397.5	3360.4
67.5°	2475.4	2490.9	2624.0	2753.9	2952.0	3150.0	3125.2	3097.4	3267.6	3437.8	3434.7
70°	2088.6	2116.5	2231.0	2342.4	2565.2	2784.9	2809.6	2834.4	3128.3	3419.2	3474.9
72.5°	*1602.8*	*1658.5*	*1745.2*	*1828.7*	*2054.6*	*2277.4*	*2370.2*	*2463.1*	*2883.9*	*3301.6*	*3459.4*
75°	532.2	569.3	810.7	1049.0	1277.9	1506.9	1711.1	1912.3	2438.3	2961.2	3289.2
77.5°	154.7	160.9	207.3	250.6	430.1	606.5	816.9	1024.2	1537.9	2048.4	2593.0
80°	80.5	83.5	92.8	102.1	148.5	194.9	281.6	365.1	600.3	835.5	1407.9
82.5°	55.7	55.7	65.0	71.2	89.7	108.3	154.7	201.1	219.7	238.3	566.3
85°	18.6	18.6	24.8	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°	838.6	838.6	838.6	*838.6*	838.6	838.6	838.6	838.6	838.6	838.6	838.6
2.5°	829.3	832.4	832.4	*832.4*	835.5	835.5	835.5	835.5	832.4	835.5	835.5
5°	683.8	739.5	792.1	*807.6*	816.9	820.0	820.0	820.0	816.9	816.9	816.9
7.5°	674.6	671.5	668.4	*643.6*	702.4	714.8	724.1	721.0	721.0	705.5	686.9
10°	519.8	519.8	519.8	*526.0*	560.1	600.3	640.5	640.5	640.5	594.1	547.7
12.5°	485.8	504.4	519.8	*519.8*	464.1	510.6	557.0	557.0	557.0	510.6	461.0
15°	414.6	436.3	454.9	*485.8*	578.6	634.3	690.0	690.0	686.9	634.3	578.6
17.5°	522.9	516.7	507.5	*563.2*	529.1	538.4	547.7	519.8	560.1	544.6	529.1
20°	529.1	473.4	414.6	*532.2*	652.9	705.5	758.1	761.2	751.9	693.1	631.2
22.5°	498.2	569.3	637.4	*563.2*	581.7	569.3	553.9	547.7	547.7	544.6	541.5
25°	637.4	569.3	501.3	*659.1*	770.5	807.6	844.7	835.5	823.1	739.5	656.0
27.5°	587.9	656.0	721.0	*782.9*	838.6	872.6	906.6	1002.5	872.6	776.7	677.6
30°	717.9	801.4	881.9	*971.6*	1141.8	1191.3	1240.8	1216.1	1185.1	999.5	813.8
32.5°	798.3	931.4	1061.3	*1101.6*	1203.7	1250.1	1293.4	1271.8	1234.6	990.2	745.7
35°	888.1	1011.8	1132.5	*1197.5*	1321.3	1358.4	1392.4	1358.4	1318.2	980.9	643.6
37.5°	937.6	1104.7	1268.7	*1380.1*	1485.3	1494.5	1500.7	1469.8	1417.2	980.9	544.6
40°	1052.1	1231.5	1407.9	*1568.8*	1652.4	1655.4	1658.5	1609.0	1513.1	971.6	427.0
42.5°	1203.7	1386.2	1565.7	*1742.1*	1853.5	1844.2	1831.8	1763.7	1605.9	956.1	306.3
45°	1420.3	1581.2	1742.1	*1940.1*	2076.3	2051.5	2023.7	1921.6	1670.9	940.7	207.3
47.5°	1652.4	1779.2	1903.0	*2175.3*	2348.6	2296.0	2240.3	2091.7	1717.3	934.5	148.5
50°	1921.6	2023.7	2125.8	*2422.8*	2630.1	2531.1	2432.1	2261.9	1735.9	928.3	117.6
52.5°	2159.8	2265.0	2367.1	*2713.7*	2871.5	2760.1	2648.7	2395.0	1726.6	915.9	102.1
55°	2444.5	2537.3	2630.1	*2992.2*	3119.0	2970.5	2818.9	2490.9	1680.2	888.1	92.8
57.5°	2729.2	2825.1	2917.9	*3270.7*	3307.8	3162.4	3013.8	2583.7	1633.8	860.2	83.5
60°	2995.3	3103.6	3211.9	*3459.4*	3487.3	3357.3	3227.3	2673.5	1559.5	816.9	74.3
62.5°	3180.9	3329.5	3478.0	*3645.1*	3657.4	3539.9	3419.2	2741.5	1463.6	767.4	68.1
65°	3320.2	3524.4	3725.5	*3827.6*	3821.4	3737.9	3654.4	2800.3	1386.2	721.0	55.7
67.5°	3428.5	3676.0	3923.6	*3991.6*	4007.1	3929.7	3852.4	2809.6	1290.3	668.4	43.3
70°	3530.6	3802.9	4075.2	*4205.1*	4174.2	4053.5	3932.8	2738.4	1160.4	597.2	30.9
72.5°	*3614.1*	*3898.8*	*4183.5*	*4332.0*	*4257.7*	*4000.9*	*3744.1*	*2497.1*	*971.6*	*498.2*	*21.7*
75°	3614.1	3898.8	4180.4	*4307.3*	4053.5	3543.0	3029.3	1859.7	569.3	294.0	18.6
77.5°	3137.6	3344.9	3552.2	*3533.7*	3088.1	2453.8	1816.3	1070.6	191.8	105.2	15.5
80°	1980.3	2116.5	2252.6	*2184.6*	1578.1	1132.5	683.8	358.9	68.1	40.2	12.4
82.5°	894.2	878.8	863.3	*665.3*	309.4	207.3	102.1	61.9	18.6	12.4	6.2
85°	198.0	191.8	185.7	*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°	838.6	838.6	838.6	838.6	838.6	838.6	838.6	838.6	838.6	838.6	838.6
2.5°	835.5	835.5	835.5	832.4	832.4	832.4	810.7	785.9	770.5	751.9	742.6
5°	789.0	761.2	727.2	693.1	686.9	677.6	680.7	680.7	683.8	683.8	683.8
7.5°	671.5	656.0	662.2	668.4	668.4	668.4	668.4	665.3	662.2	659.1	628.1
10°	535.3	522.9	522.9	522.9	532.2	538.4	522.9	504.4	532.2	557.0	550.8
12.5°	492.0	522.9	482.7	439.4	445.6	448.7	448.7	445.6	433.2	420.8	377.5
15°	513.7	448.7	411.5	371.3	371.3	371.3	300.1	229.0	213.5	198.0	201.1
17.5°	492.0	454.9	411.5	365.1	275.4	182.6	173.3	160.9	160.9	160.9	164.0
20°	495.1	358.9	303.2	247.5	198.0	145.4	136.1	123.8	117.6	108.3	126.9
22.5°	485.8	427.0	290.9	154.7	136.1	117.6	108.3	95.9	111.4	126.9	126.9
25°	470.3	281.6	210.4	136.1	114.5	92.8	105.2	114.5	108.3	99.0	114.5
27.5°	473.4	266.1	182.6	99.0	105.2	108.3	102.1	92.8	102.1	108.3	102.1
30°	510.6	207.3	154.7	99.0	95.9	89.7	92.8	95.9	92.8	86.6	92.8
32.5°	454.9	164.0	130.0	92.8	89.7	86.6	83.5	80.5	83.5	83.5	83.5
35°	383.7	123.8	105.2	86.6	80.5	74.3	74.3	71.2	71.2	71.2	71.2
37.5°	324.9	105.2	92.8	77.4	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	74.3	58.8	52.6	43.3	37.1	30.9	30.9	27.8	27.8
45°	142.3	77.4	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	24.8	21.7	15.5	15.5	15.5	15.5
50°	89.7	61.9	49.5	34.0	24.8	15.5	12.4	9.3	9.3	9.3	9.3
52.5°	80.5	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	24.8	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°	838.6	838.6	838.6	838.6
2.5°	730.3	730.3	727.2	736.4
5°	683.8	683.8	683.8	686.9
7.5°	594.1	572.4	550.8	553.9
10°	541.5	535.3	526.0	532.2
12.5°	334.2	315.6	294.0	284.7
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°	126.9	120.7	114.5	114.5
25°	126.9	126.9	126.9	126.9
27.5°	95.9	95.9	92.8	92.8
30°	99.0	99.0	95.9	92.8
32.5°	80.5	80.5	80.5	80.5
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	24.8	24.8
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)