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: P560614

Luminaire Tested: **SDL-PA1-50-760-U-T4W-HSS**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560614
	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-PA1-50-760-U-T4W-HSS
Description:	Springdale
	(1) 70 CRI, 5700K, 670mA 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:	4660.1 lumens
Efficiency:	N/A
Efficacy:	88.9 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):	52.4
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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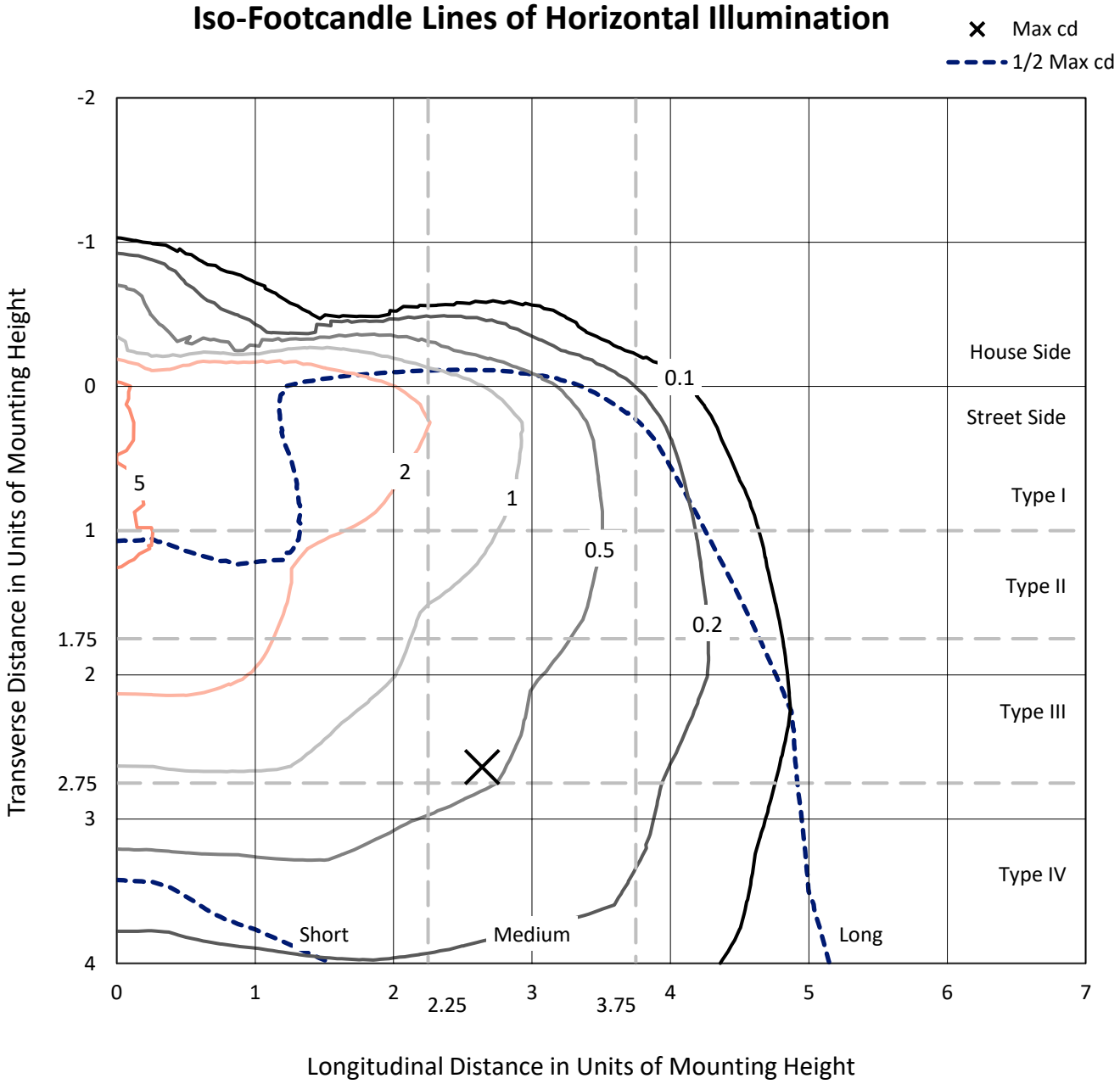
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 5.9 fc
Type IV - Medium - N/A

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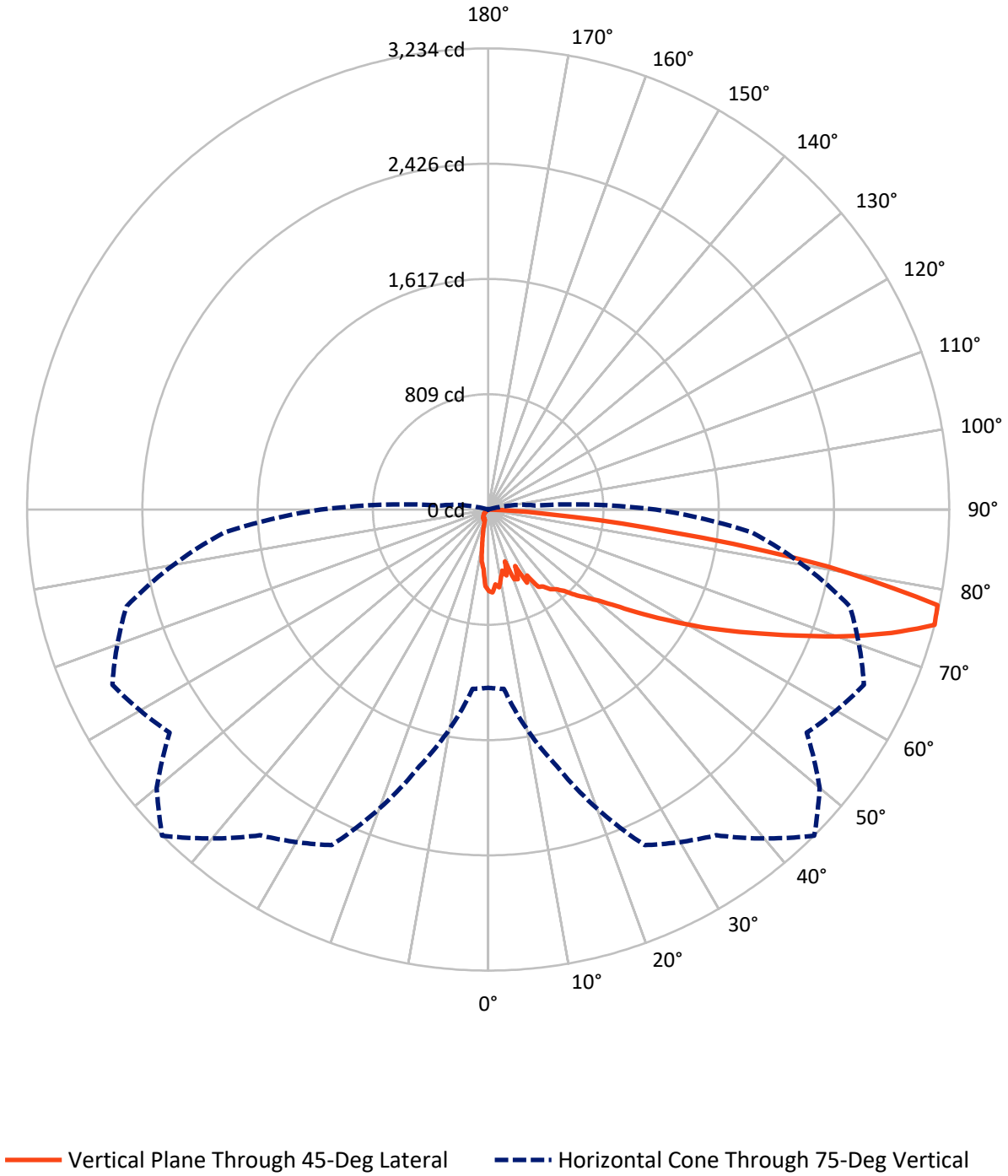
Luminous Intensity Polar Plot



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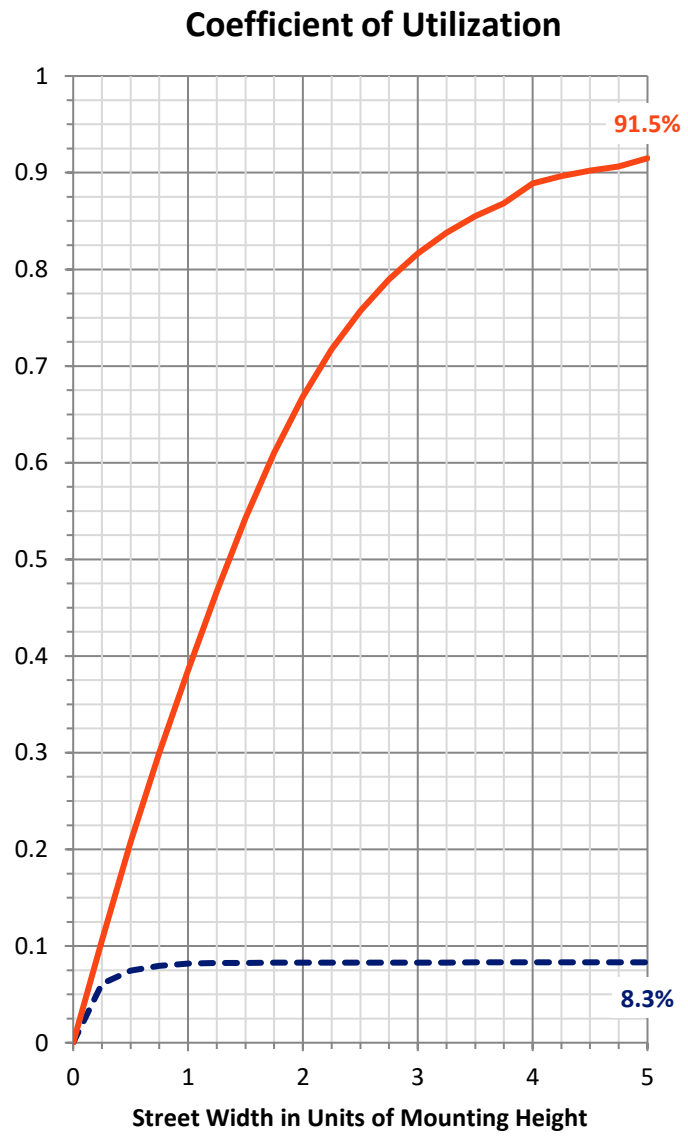
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	391.2	0.0	391.2
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	4268.9	0.0	4268.9
	% Fixture	91.6	0.0	91.6
Total	Lumens	4660.1	0.0	4660.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.4	1.0
10°-20°	97.5	2.1
20°-30°	164.9	3.5
30°-40°	303.7	6.5
40°-50°	498.5	10.7
50°-60°	887.2	19.0
60°-70°	1327.5	28.5
70°-80°	1181.9	25.4
80°-90°	154.4	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°	4660.1	100.0
0°-180°	4660.1	100.0



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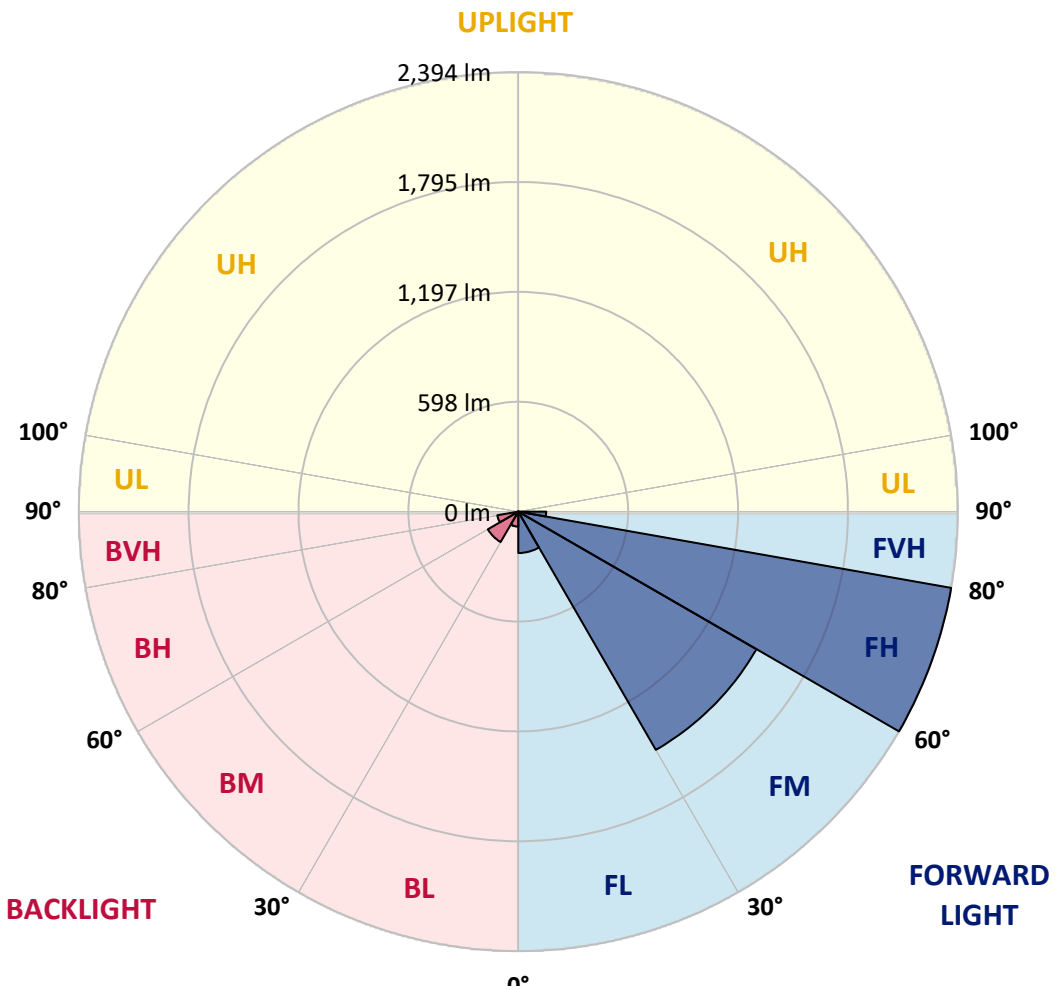
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	225.3	4.8			
FM	(30°-60°)	1498.0	32.1			
FH	(60°-80°)	2393.6	51.4			G2/5000
FVH	(80°-90°)	152.0	3.3			G2/225
BL	(0°-30°)	81.6	1.8	B0/110		
BM	(30°-60°)	191.4	4.1	B0/220		
BH	(60°-80°)	115.8	2.5	B1/500		G1/500
BVH	(80°-90°)	2.4	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°	571.4	571.4	571.4	571.4	571.4	571.4	571.4	571.4	571.4	*571.4*	571.4
2.5°	531.6	571.4	576.1	578.4	583.1	585.4	585.4	585.4	585.4	*583.1*	583.1
5°	562.0	559.7	557.3	555.0	552.7	548.0	543.3	536.3	531.6	*526.9*	522.2
7.5°	550.3	552.7	559.7	564.4	562.0	559.7	564.4	566.7	559.7	*550.3*	541.0
10°	641.7	637.0	632.3	627.6	620.6	613.5	557.3	501.1	496.5	*489.4*	484.8
12.5°	562.0	632.3	632.3	632.3	632.3	632.3	594.8	557.3	498.8	*440.3*	372.3
15°	702.5	700.2	690.8	681.5	618.2	552.7	517.5	482.4	482.4	*480.1*	452.0
17.5°	583.1	583.1	629.9	674.4	648.7	622.9	573.7	524.6	454.3	*381.7*	409.8
20°	737.7	737.7	728.3	718.9	611.2	503.5	508.2	512.9	517.5	*522.2*	433.2
22.5°	606.5	601.8	597.2	592.5	604.2	615.9	519.9	421.5	477.7	*531.6*	414.5
25°	740.0	747.0	742.3	735.3	639.3	543.3	564.4	583.1	510.5	*437.9*	508.2
27.5°	634.6	627.6	618.2	606.5	613.5	620.6	576.1	529.2	555.0	*580.8*	466.0
30°	777.5	779.8	775.1	770.4	679.1	587.8	585.4	580.8	559.7	*536.3*	524.6
32.5°	962.5	943.7	878.2	812.6	756.4	700.2	655.7	611.2	629.9	*646.3*	583.1
35°	1051.5	1016.3	988.2	957.8	864.1	768.1	714.2	658.0	660.4	*662.7*	637.0
37.5°	1138.1	1086.6	1051.5	1016.3	903.9	791.5	733.0	674.4	693.2	*709.6*	681.5
40°	1168.6	1140.5	1119.4	1098.3	978.9	857.1	789.2	718.9	728.3	*735.3*	726.0
42.5°	1245.8	1241.1	1229.4	1215.4	1072.5	927.3	845.4	763.4	772.8	*779.8*	775.1
45°	1430.8	1423.8	1423.8	1421.5	1236.5	1049.1	941.4	833.7	843.0	*852.4*	847.7
47.5°	1669.7	1658.0	1643.9	1627.5	1430.8	1231.8	1077.2	920.3	920.3	*920.3*	927.3
50°	1920.3	1903.9	1873.4	1840.6	1641.6	1442.5	1245.8	1049.1	1028.0	*1004.6*	1030.4
52.5°	2180.2	2152.1	2100.6	2046.7	1871.1	1695.5	1473.0	1248.2	1184.9	*1119.4*	1152.2
55°	2320.7	2290.3	2255.1	2217.7	2074.8	1929.6	1702.5	1475.3	1377.0	*1276.3*	1311.4
57.5°	2435.5	2428.4	2412.0	2395.6	2285.6	2175.5	1948.4	1718.9	1585.4	*1451.9*	1482.4
60°	2592.4	2583.0	2590.0	2597.0	2512.7	2428.4	2213.0	1995.2	1824.3	*1651.0*	1641.6
62.5°	2709.4	2707.1	2742.2	2777.4	2732.9	2686.0	2444.8	2201.3	2035.0	*1866.4*	1819.6
65°	2601.7	2632.2	2763.3	2894.5	2887.4	2878.1	2653.2	2426.1	2262.2	*2095.9*	2035.0
67.5°	2374.6	2388.6	2583.0	2775.0	2859.3	2941.3	2782.0	2620.5	2491.7	*2360.5*	2248.1
70°	2161.5	2191.9	2362.9	2533.8	2751.6	2969.4	2842.9	2716.5	2690.7	*2662.6*	2517.4
72.5°	1955.4	2009.3	2168.5	2327.7	2618.1	2906.2	2831.2	2756.3	2857.0	*2957.7*	2784.4
75°	*1250.5*	*1262.2*	*1564.3*	*1864.1*	*2231.7*	*2597.0*	*2693.1*	*2789.1*	*3011.5*	*3234.0*	*3035.0*
77.5°	365.3	405.1	632.3	859.4	1281.0	1700.1	2028.0	2355.8	2789.1	*3222.3*	2978.8
80°	124.1	133.5	166.3	196.7	421.5	646.3	1025.7	1402.7	1906.2	*2409.7*	2238.7
82.5°	60.9	63.2	79.6	93.7	142.8	192.0	386.4	578.4	934.4	*1288.0*	1318.4
85°	18.7	18.7	28.1	37.5	60.9	84.3	145.2	203.7	323.2	*440.3*	372.3
87.5°	4.7	4.7	7.0	9.4	14.1	18.7	18.7	18.7	14.1	*9.4*	11.7
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°	571.4	571.4	571.4	571.4	571.4	571.4	571.4	571.4	571.4	571.4	571.4
2.5°	585.4	585.4	585.4	583.1	578.4	576.1	571.4	566.7	562.0	559.7	555.0
5°	515.2	545.6	573.7	576.1	576.1	569.1	562.0	555.0	548.0	541.0	533.9
7.5°	529.2	512.9	496.5	498.8	501.1	498.8	494.1	482.4	473.0	454.3	433.2
10°	423.9	412.2	398.1	402.8	407.5	419.2	430.9	421.5	407.5	372.3	334.9
12.5°	416.8	414.5	409.8	374.7	337.2	356.0	372.3	363.0	348.9	313.8	276.3
15°	356.0	358.3	358.3	393.4	428.5	442.6	454.3	442.6	426.2	379.4	330.2
17.5°	459.0	435.6	412.2	398.1	381.7	386.4	391.1	339.6	356.0	325.5	292.7
20°	475.4	398.1	320.8	384.1	447.3	468.4	489.4	477.7	456.6	381.7	304.4
22.5°	433.2	461.3	489.4	449.6	409.8	384.1	356.0	344.2	330.2	297.4	264.6
25°	536.3	459.0	379.4	454.3	526.9	531.6	536.3	515.2	491.8	398.1	304.4
27.5°	480.1	505.8	529.2	545.6	562.0	583.1	604.2	580.8	524.6	414.5	302.1
30°	571.4	606.5	641.7	695.5	749.4	765.8	779.8	754.1	709.6	524.6	337.2
32.5°	597.2	667.4	737.7	758.7	777.5	798.5	819.6	798.5	744.7	519.9	292.7
35°	667.4	716.6	763.4	796.2	829.0	847.7	866.5	852.4	779.8	512.9	245.9
37.5°	688.5	754.1	817.3	854.8	889.9	906.3	920.3	920.3	817.3	508.2	196.7
40°	721.3	803.2	885.2	920.3	953.1	978.9	1002.3	1011.7	859.4	505.8	149.9
42.5°	786.8	859.4	932.0	988.2	1042.1	1079.6	1117.0	1124.1	908.6	512.9	114.7
45°	857.1	934.4	1011.7	1086.6	1161.5	1215.4	1266.9	1262.2	967.2	531.6	93.7
47.5°	957.8	1030.4	1103.0	1229.4	1353.6	1405.1	1454.3	1421.5	1028.0	555.0	82.0
50°	1060.8	1149.8	1238.8	1400.4	1559.6	1606.5	1651.0	1583.0	1086.6	583.1	77.3
52.5°	1194.3	1299.7	1405.1	1590.1	1775.1	1817.2	1859.4	1721.2	1131.1	601.8	72.6
55°	1351.2	1487.0	1622.9	1798.5	1971.8	2021.0	2070.1	1857.0	1152.2	611.2	70.3
57.5°	1540.9	1697.8	1852.4	2013.9	2173.2	2241.1	2306.7	1990.5	1161.5	613.5	65.6
60°	1725.9	1899.2	2072.5	2210.6	2348.8	2454.2	2557.2	2121.7	1156.8	608.9	58.5
62.5°	1896.8	2088.9	2278.6	2407.4	2536.2	2662.6	2789.1	2227.0	1126.4	587.8	46.8
65°	2074.8	2278.6	2480.0	2592.4	2704.8	2868.7	3030.3	2318.4	1084.2	559.7	32.8
67.5°	2236.4	2430.8	2625.1	2751.6	2878.1	3039.6	3198.9	2341.8	1023.4	524.6	23.4
70°	2372.2	2583.0	2791.4	2920.2	3049.0	3131.0	3210.6	2238.7	901.6	459.0	16.4
72.5°	2559.6	2749.3	2936.6	3002.2	3065.4	2922.6	2777.4	1866.4	676.8	346.6	14.1
75°	*2728.2*	*2819.5*	*2908.5*	*2768.0*	*2627.5*	*2243.4*	*1859.4*	*1175.6*	*330.2*	*173.3*	*14.1*
77.5°	2557.2	2508.1	2458.9	2028.0	1594.8	1184.9	772.8	461.3	103.0	56.2	9.4
80°	1852.4	1627.5	1400.4	969.5	536.3	358.3	178.0	103.0	25.8	16.4	7.0
82.5°	997.6	770.4	541.0	348.9	156.9	105.4	51.5	35.1	11.7	9.4	4.7
85°	360.6	285.7	208.4	161.6	114.7	67.9	18.7	11.7	7.0	7.0	4.7
87.5°	32.8	37.5	42.2	32.8	21.1	14.1	4.7	4.7	4.7	4.7	2.3
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°	571.4	571.4	571.4	571.4	571.4	571.4	571.4	571.4	571.4	571.4	571.4
2.5°	552.7	550.3	548.0	543.3	541.0	538.6	522.2	505.8	487.1	468.4	468.4
5°	503.5	473.0	456.6	440.3	428.5	416.8	414.5	409.8	405.1	400.4	398.1
7.5°	421.5	409.8	400.4	391.1	379.4	367.7	356.0	344.2	334.9	325.5	304.4
10°	316.1	297.4	283.4	269.3	262.3	252.9	238.9	222.5	222.5	222.5	220.1
12.5°	274.0	271.6	236.5	199.1	187.3	175.6	173.3	171.0	166.3	159.2	149.9
15°	271.6	210.8	180.3	147.5	140.5	131.1	117.1	100.7	98.4	93.7	105.4
17.5°	245.9	199.1	163.9	128.8	103.0	77.3	82.0	84.3	96.0	105.4	112.4
20°	222.5	140.5	117.1	91.3	84.3	74.9	79.6	84.3	82.0	77.3	89.0
22.5°	208.4	149.9	110.1	70.3	74.9	79.6	74.9	67.9	79.6	91.3	98.4
25°	201.4	96.0	86.6	74.9	70.3	65.6	74.9	82.0	77.3	72.6	86.6
27.5°	199.1	96.0	82.0	65.6	70.3	74.9	72.6	67.9	77.3	84.3	82.0
30°	213.1	86.6	77.3	67.9	65.6	63.2	67.9	72.6	72.6	70.3	82.0
32.5°	189.7	86.6	77.3	65.6	65.6	63.2	63.2	63.2	70.3	77.3	82.0
35°	163.9	79.6	72.6	63.2	60.9	58.5	60.9	60.9	67.9	72.6	82.0
37.5°	135.8	74.9	67.9	58.5	56.2	53.9	53.9	51.5	58.5	65.6	72.6
40°	110.1	70.3	63.2	53.9	51.5	49.2	49.2	49.2	53.9	56.2	60.9
42.5°	91.3	65.6	58.5	49.2	46.8	44.5	44.5	42.2	44.5	46.8	49.2
45°	79.6	63.2	56.2	46.8	44.5	39.8	37.5	35.1	35.1	35.1	35.1
47.5°	70.3	58.5	53.9	46.8	42.2	35.1	32.8	28.1	25.8	23.4	21.1
50°	65.6	53.9	49.2	42.2	37.5	30.4	25.8	21.1	18.7	14.1	14.1
52.5°	60.9	49.2	44.5	37.5	30.4	23.4	18.7	11.7	11.7	9.4	9.4
55°	58.5	46.8	39.8	32.8	25.8	16.4	11.7	7.0	7.0	4.7	4.7
57.5°	56.2	44.5	37.5	28.1	18.7	9.4	7.0	4.7	4.7	4.7	4.7
60°	49.2	39.8	30.4	18.7	11.7	4.7	4.7	2.3	4.7	4.7	4.7
62.5°	39.8	30.4	21.1	11.7	7.0	2.3	2.3	2.3	4.7	4.7	4.7
65°	28.1	21.1	14.1	7.0	4.7	2.3	2.3	2.3	2.3	2.3	2.3
67.5°	21.1	16.4	11.7	4.7	4.7	2.3	2.3	2.3	2.3	2.3	2.3
70°	14.1	11.7	9.4	4.7	4.7	2.3	2.3	2.3	2.3	2.3	2.3
72.5°	11.7	9.4	7.0	2.3	2.3	0.0	2.3	2.3	2.3	2.3	2.3
75°	*11.7*	*9.4*	*7.0*	*2.3*	*2.3*	*0.0*	*2.3*	*2.3*	*2.3*	*2.3*	*2.3*
77.5°	9.4	7.0	4.7	2.3	2.3	0.0	2.3	4.7	4.7	4.7	4.7
80°	7.0	4.7	4.7	2.3	2.3	0.0	2.3	4.7	4.7	4.7	4.7
82.5°	4.7	4.7	4.7	2.3	2.3	0.0	4.7	7.0	7.0	4.7	4.7
85°	4.7	2.3	2.3	2.3	2.3	2.3	4.7	7.0	7.0	7.0	4.7
87.5°	2.3	2.3	2.3	2.3	2.3	2.3	4.7	7.0	7.0	7.0	4.7
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°	571.4	571.4	571.4	571.4
2.5°	466.0	466.0	463.7	463.7
5°	393.4	393.4	391.1	391.1
7.5°	283.4	278.7	271.6	274.0
10°	217.8	213.1	208.4	213.1
12.5°	140.5	142.8	142.8	135.8
15°	114.7	124.1	131.1	131.1
17.5°	119.4	119.4	117.1	117.1
20°	100.7	110.1	119.4	119.4
22.5°	103.0	98.4	93.7	93.7
25°	98.4	105.4	110.1	110.1
27.5°	79.6	82.0	84.3	84.3
30°	91.3	96.0	98.4	98.4
32.5°	86.6	91.3	93.7	96.0
35°	89.0	93.7	96.0	96.0
37.5°	79.6	82.0	84.3	84.3
40°	63.2	65.6	67.9	67.9
42.5°	49.2	49.2	46.8	49.2
45°	32.8	32.8	30.4	32.8
47.5°	18.7	18.7	18.7	18.7
50°	11.7	11.7	11.7	11.7
52.5°	7.0	7.0	7.0	7.0
55°	4.7	4.7	4.7	4.7
57.5°	4.7	4.7	2.3	2.3
60°	2.3	2.3	2.3	2.3
62.5°	2.3	2.3	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°	*2.3*	*2.3*	*0.0*	*0.0*
77.5°	2.3	2.3	0.0	0.0
80°	2.3	2.3	0.0	0.0
82.5°	2.3	2.3	0.0	0.0
85°	2.3	2.3	2.3	0.0
87.5°	2.3	2.3	2.3	0.0
90°	0.0	0.0	0.0	0.0

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(END OF REPORT)