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: P561105

Luminaire Tested: **SDL-PA1-80-750-U-SL3**

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:	P561105
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-16)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-80-750-U-SL3
Description:	Springdale
	(1) 70 CRI, 5000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9281.1 lumens
Efficiency:	N/A
Efficacy:	113.2 lumens/watt
Luminous Opening:	Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification:	Type III - Medium
BUG Rating:	B2 - U0 - G3

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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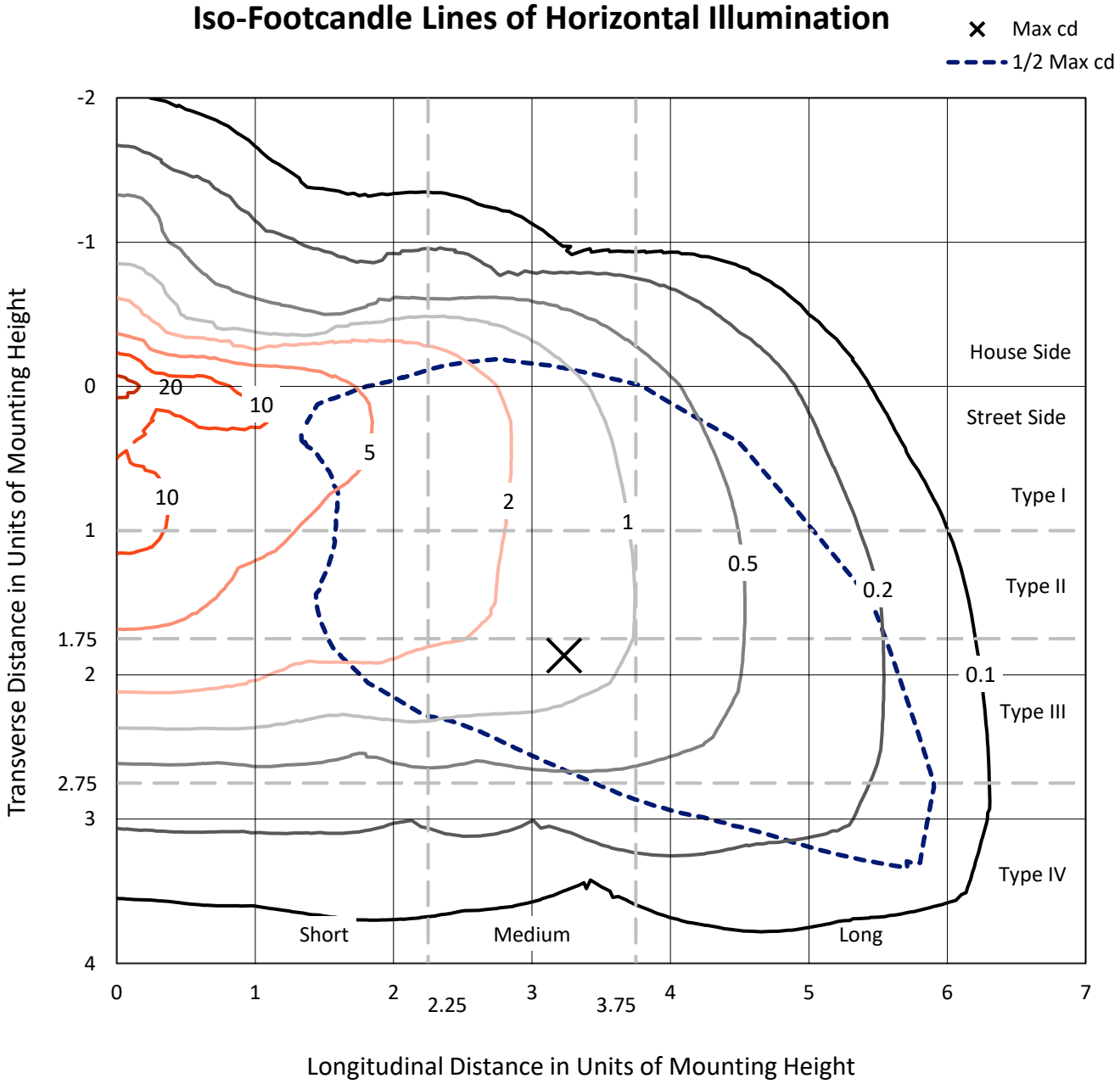
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 26.5 fc
Type III - Medium - N/A

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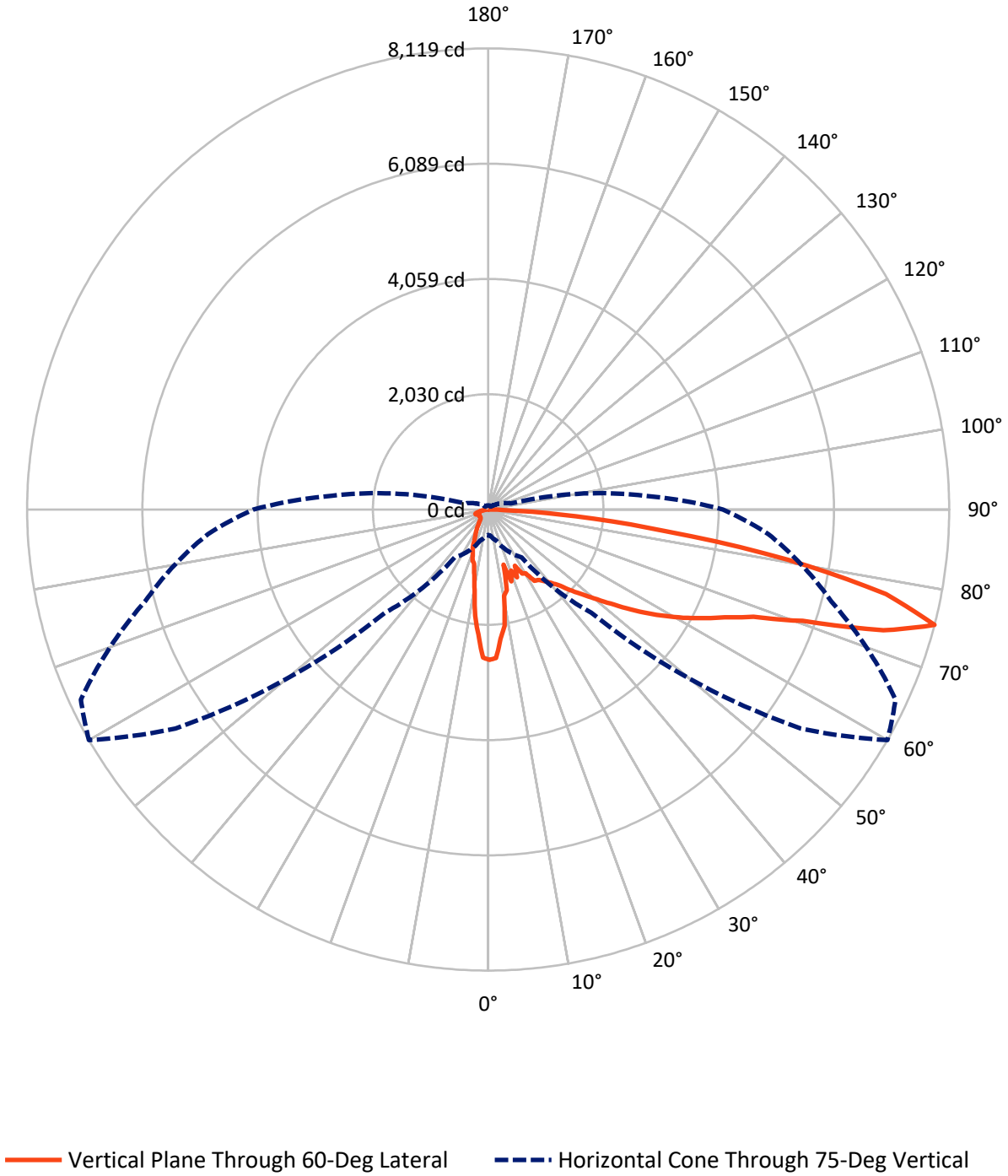
Luminous Intensity Polar Plot



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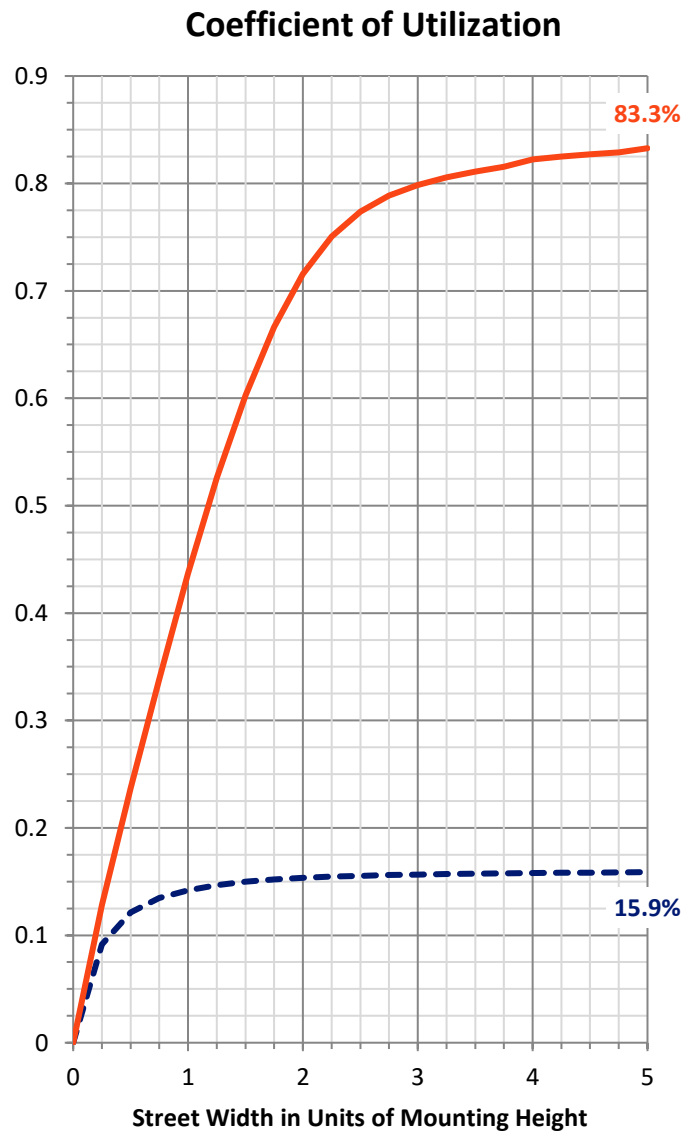
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1491.8	0.0	1491.8
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	7789.3	0.0	7789.3
	% Fixture	83.9	0.0	83.9
Total	Lumens	9281.1	0.0	9281.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.1	2.1
10°-20°	348.4	3.8
20°-30°	456.4	4.9
30°-40°	753.2	8.1
40°-50°	1176.2	12.7
50°-60°	1790.7	19.3
60°-70°	2218.7	23.9
70°-80°	1960.1	21.1
80°-90°	384.2	4.1
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°	9281.1	100.0
0°-180°	9281.1	100.0



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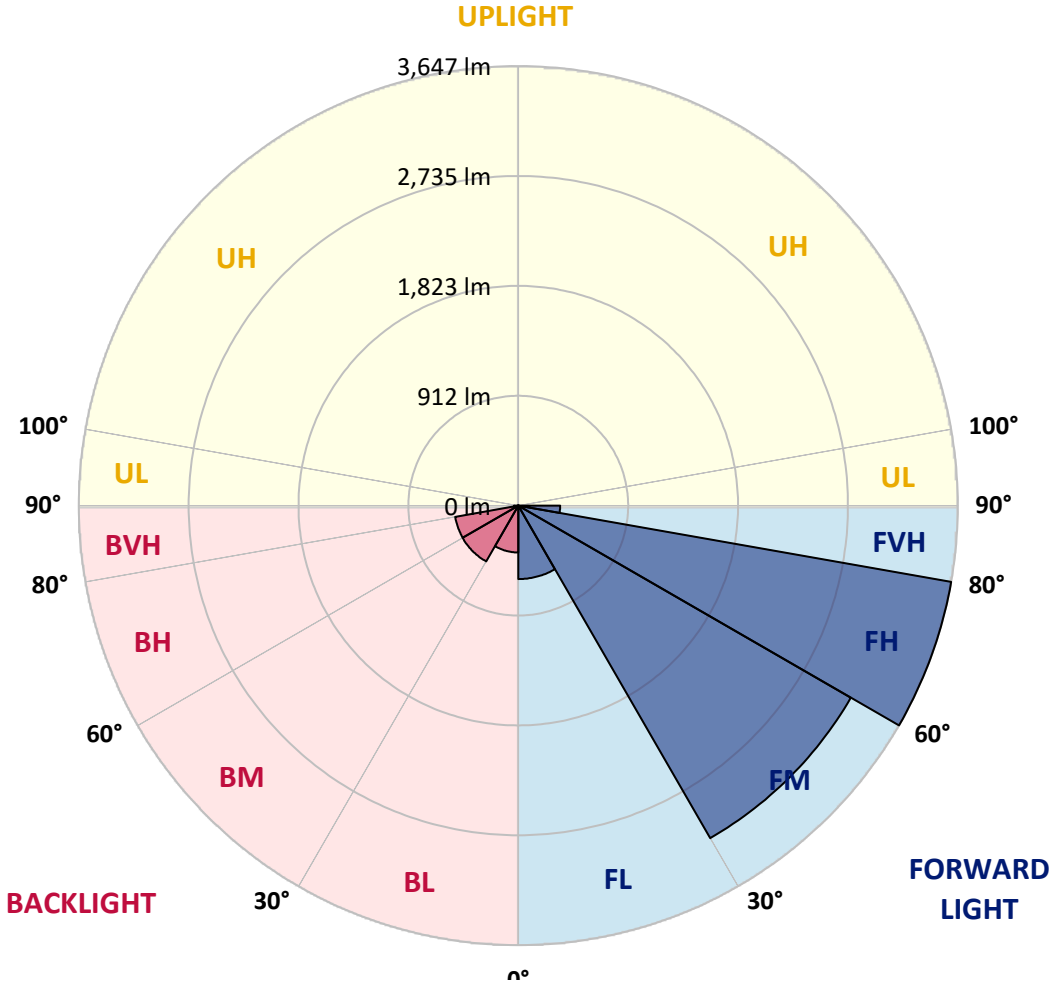
CATALOG NUMBER: SDL-PA1-80-750-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	609.3	6.6			
FM	(30°-60°)	3185.5	34.3			
FH	(60°-80°)	3646.8	39.3			G2/5000
FVH	(80°-90°)	347.6	3.7			G3/500
BL	(0°-30°)	388.7	4.2	B1/500		
BM	(30°-60°)	534.5	5.8	B1/1000		
BH	(60°-80°)	532.0	5.7	B2/1000		G2/1000
BVH	(80°-90°)	36.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type III Medium



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CATALOG NUMBER: SDL-PA1-80-750-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2647.3	2647.3	2647.3	2647.3	2647.3	2647.3	2647.3	2647.3	2647.3	2647.3	2647.3
2.5°	2198.7	2446.8	2389.1	2331.3	2419.6	2504.6	2531.8	2555.6	2569.2	2582.8	2596.4
5°	2042.4	2045.8	2049.2	2052.6	2062.8	2069.6	2083.2	2096.8	2110.4	2120.6	2134.2
7.5°	1576.8	1631.2	1719.6	1807.9	1862.3	1913.3	1943.9	1971.1	1991.4	2011.8	2032.2
10°	1753.6	1763.8	1767.2	1767.2	1784.1	1801.1	1672.0	1539.5	1604.0	1668.6	1597.2
12.5°	1376.3	1413.7	1525.9	1634.6	1668.6	1699.2	1638.0	1576.8	1481.7	1383.1	1376.3
15°	1580.2	1590.4	1593.8	1593.8	1488.5	1383.1	1311.8	1237.0	1294.8	1349.2	1223.4
17.5°	1223.4	1233.6	1322.0	1410.3	1427.3	1444.3	1369.5	1294.8	1128.3	958.3	1118.1
20°	1454.5	1461.3	1461.3	1461.3	1284.6	1107.9	1121.5	1131.7	1186.0	1240.4	1196.2
22.5°	1172.4	1172.4	1172.4	1172.4	1226.8	1277.8	1169.0	1060.3	1121.5	1182.6	1128.3
25°	1474.9	1485.1	1461.3	1434.1	1271.0	1107.9	1158.8	1209.8	1118.1	1026.3	1107.9
27.5°	1345.8	1335.6	1288.0	1237.0	1260.8	1284.6	1172.4	1060.3	1131.7	1203.0	1169.0
30°	1787.5	1757.0	1706.0	1655.0	1461.3	1267.6	1237.0	1206.4	1145.3	1080.7	1152.0
32.5°	2375.5	2297.3	2059.4	1821.5	1702.6	1583.6	1430.7	1277.8	1264.2	1247.2	1267.6
35°	2531.8	2480.8	2382.3	2280.3	2076.4	1869.1	1675.4	1478.3	1413.7	1345.8	1359.4
37.5°	2562.4	2545.4	2525.0	2501.2	2293.9	2086.6	1875.9	1665.2	1597.2	1525.9	1474.9
40°	2586.2	2599.8	2637.1	2671.1	2463.8	2253.1	2062.8	1869.1	1797.7	1723.0	1634.6
42.5°	2694.9	2732.3	2779.9	2824.1	2633.7	2443.4	2276.9	2110.4	2018.6	1926.9	1845.3
45°	2946.4	2966.8	3017.8	3065.3	2885.2	2701.7	2511.4	2317.7	2239.5	2161.4	2079.8
47.5°	3313.4	3347.4	3344.0	3340.6	3140.1	2936.2	2722.1	2504.6	2453.6	2399.3	2321.1
50°	3775.6	3751.8	3687.2	3622.7	3405.2	3184.3	2932.8	2677.9	2654.1	2626.9	2562.4
52.5°	4006.7	3989.7	3901.3	3809.6	3588.7	3367.8	3095.9	2820.7	2851.2	2881.8	2820.7
55°	4020.3	4010.1	3945.5	3880.9	3666.8	3452.7	3211.5	2970.2	3044.9	3119.7	3095.9
57.5°	3921.7	3925.1	3904.7	3880.9	3690.6	3500.3	3299.8	3099.3	3228.5	3354.2	3378.0
60°	3670.2	3721.2	3755.2	3789.2	3670.2	3551.3	3378.0	3204.7	3401.8	3598.9	3663.4
62.5°	3204.7	3248.8	3371.2	3490.1	3513.9	3534.3	3418.8	3299.8	3564.9	3826.6	3931.9
65°	2484.2	2545.4	2728.9	2912.4	3102.7	3293.0	3320.2	3347.4	3796.0	4244.6	4332.9
67.5°	1549.7	1583.6	1777.4	1967.7	2351.7	2732.3	2949.8	3167.3	3942.1	4713.5	4852.9
70°	819.0	870.0	965.1	1056.9	1386.5	1716.2	2158.0	2599.8	3721.2	4842.7	5413.6
72.5°	621.9	642.3	693.3	744.2	859.8	975.3	1254.0	1532.7	2912.4	4288.8	5603.9
75°	*448.6*	*465.6*	*520.0*	*570.9*	*686.5*	*798.6*	*914.2*	*1026.3*	*1797.7*	*2569.2*	*4645.6*
77.5°	261.7	268.5	295.7	319.4	499.6	679.7	805.4	927.8	1114.7	1298.2	3316.8
80°	180.1	183.5	193.7	203.9	282.1	360.2	601.5	842.8	927.8	1009.3	2198.7
82.5°	118.9	135.9	142.7	149.5	176.7	203.9	353.4	499.6	734.0	965.1	1502.1
85°	61.2	68.0	81.6	91.8	105.3	115.5	159.7	200.5	608.3	1012.7	1080.7
87.5°	6.8	10.2	13.6	13.6	17.0	20.4	30.6	40.8	183.5	326.2	278.7
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°	2647.3	*2647.3*	2647.3	2647.3	2647.3	2647.3	2647.3	2647.3	2647.3	2647.3	2647.3
2.5°	2610.0	*2616.7*	2613.4	2620.1	2623.5	2626.9	2630.3	2630.3	2626.9	2620.1	2613.4
5°	2147.8	*2283.7*	2514.8	2538.6	2562.4	2569.2	2576.0	2579.4	2572.6	2562.4	2552.2
7.5°	2049.2	*2069.6*	1862.3	2028.8	2192.0	2205.5	2215.7	2208.9	2212.3	2120.6	2025.4
10°	1525.9	*1542.9*	1549.7	1600.6	1648.2	1760.4	1872.5	1855.5	1841.9	1678.8	1512.3
12.5°	1369.5	*1457.9*	1478.3	1393.3	1308.4	1423.9	1539.5	1525.9	1502.1	1352.6	1203.0
15°	1097.7	*1005.9*	1203.0	1386.5	1566.7	1675.4	1780.7	1750.2	1723.0	1532.7	1339.0
17.5°	1274.4	*1328.8*	1264.2	1291.4	1318.6	1400.1	1478.3	1430.7	1413.7	1281.2	1145.3
20°	1152.0	*1148.7*	1104.5	1264.2	1423.9	1583.6	1740.0	1692.4	1610.8	1352.6	1090.9
22.5°	1073.9	*1294.8*	1389.9	1369.5	1345.8	1284.6	1220.0	1179.2	1118.1	1060.3	999.1
25°	1186.0	*1094.3*	1169.0	1413.7	1655.0	1699.2	1743.4	1641.4	1508.9	1247.2	985.5
27.5°	1135.1	*1277.8*	1372.9	1536.1	1695.8	1848.7	2001.6	1865.7	1692.4	1366.1	1036.5
30°	1223.4	*1301.6*	1566.7	1872.5	2178.4	2232.7	2283.7	2096.8	1865.7	1536.1	1206.4
32.5°	1288.0	*1495.3*	1729.8	1967.7	2202.1	2242.9	2283.7	2073.0	1807.9	1444.3	1080.7
35°	1369.5	*1522.5*	1736.6	2015.2	2293.9	2304.1	2310.9	2066.2	1767.2	1356.0	941.4
37.5°	1423.9	*1597.2*	1828.3	2124.0	2419.6	2399.3	2375.5	2096.8	1753.6	1294.8	836.0
40°	1546.3	*1695.8*	1943.9	2246.3	2548.8	2514.8	2480.8	2161.4	1757.0	1233.6	706.9
42.5°	1760.4	*1818.1*	2086.6	2409.4	2732.3	2694.9	2654.1	2273.5	1797.7	1199.6	598.1
45°	1994.8	*2022.0*	2253.1	2620.1	2987.2	2939.6	2892.0	2446.8	1872.5	1182.6	492.8
47.5°	2239.5	*2232.7*	2446.8	2892.0	3333.8	3231.9	3129.9	2650.7	2011.8	1216.6	421.4
50°	2494.4	*2484.2*	2691.5	3170.7	3649.9	3541.1	3432.4	2895.4	2171.6	1277.8	380.6
52.5°	2756.1	*2779.9*	2932.8	3432.4	3928.5	3830.0	3728.0	3160.5	2327.9	1345.8	363.6
55°	3068.7	*3143.5*	3204.7	3704.2	4203.8	4105.2	4003.3	3432.4	2545.4	1451.1	356.8
57.5°	3398.4	*3496.9*	3524.1	3979.5	4434.9	4370.3	4302.3	3690.6	2766.3	1573.4	377.2
60°	3728.0	*3857.2*	3955.7	4322.7	4686.4	4611.6	4536.8	3952.3	2973.6	1709.4	445.2
62.5°	4033.9	*4214.0*	4373.7	4642.2	4907.3	4818.9	4730.5	4180.0	3208.1	1896.3	581.1
65°	4417.9	*4577.6*	4750.9	4927.6	5101.0	5016.0	4931.0	4465.5	3520.7	2130.8	737.4
67.5°	4992.2	*5039.8*	5128.1	5236.9	5342.2	5291.3	5236.9	4815.5	3792.6	2266.7	737.4
70°	5981.1	*5875.8*	5743.3	5739.9	5733.1	5651.5	5566.5	5012.6	3809.6	2212.3	615.1
72.5°	6915.7	*7275.9*	6854.5	6548.7	6242.8	5882.6	5519.0	4747.5	3364.4	1926.9	489.4
75°	*6718.6*	*8118.7*	*7914.8*	*7085.6*	*6256.4*	*5603.9*	*4951.4*	*4135.8*	*2769.7*	*1593.8*	*418.0*
77.5°	5332.1	*7163.8*	7357.5	6596.2	5831.6	4948.0	4061.1	3197.9	1920.1	1135.1	350.0
80°	3384.8	*5355.8*	5389.8	4683.0	3972.7	3024.6	2076.4	1393.3	924.4	601.5	278.7
82.5°	2039.0	*3170.7*	2759.5	1977.9	1196.2	829.2	458.8	441.8	339.8	251.5	163.1
85°	1148.7	*1553.1*	1114.7	730.7	346.6	248.1	146.1	156.3	149.5	122.3	91.8
87.5°	227.7	*268.5*	183.5	105.3	27.2	27.2	23.8	23.8	17.0	17.0	13.6
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°	2647.3	2647.3	2647.3	2647.3	2647.3	2647.3	2647.3	2647.3	2647.3	2647.3	2647.3
2.5°	2613.4	2613.4	2606.6	2599.8	2596.4	2593.0	2491.0	2389.1	2321.1	2249.7	2232.7
5°	2426.4	2300.7	2205.5	2110.4	2090.0	2069.6	2066.2	2062.8	2052.6	2039.0	2035.6
7.5°	1916.7	1804.5	1882.7	1957.5	1943.9	1926.9	1916.7	1903.1	1879.3	1855.5	1736.6
10°	1474.9	1437.5	1437.5	1434.1	1406.9	1379.7	1440.9	1502.1	1570.0	1638.0	1631.2
12.5°	1257.4	1308.4	1175.8	1039.9	1114.7	1186.0	1254.0	1318.6	1352.6	1386.5	1281.2
15°	1186.0	1029.7	985.5	941.4	975.3	1009.3	910.8	808.8	887.0	965.1	982.1
17.5°	1063.7	982.1	938.0	890.4	761.2	628.7	672.9	717.1	713.7	710.3	693.3
20°	992.3	890.4	812.2	730.7	669.5	608.3	543.7	475.8	445.2	411.2	492.8
22.5°	944.7	890.4	727.3	564.1	516.6	469.0	418.0	363.6	384.0	401.0	414.6
25°	825.8	662.7	570.9	479.2	404.4	326.2	329.6	333.0	316.0	299.1	377.2
27.5°	836.0	632.1	489.4	346.6	319.4	288.9	271.9	251.5	278.7	302.5	309.3
30°	876.8	547.1	414.6	282.1	251.5	220.9	231.1	237.9	237.9	237.9	271.9
32.5°	778.2	475.8	353.4	227.7	210.7	190.3	193.7	193.7	210.7	227.7	244.7
35°	659.3	373.8	288.9	200.5	183.5	166.5	173.3	180.1	197.1	214.1	237.9
37.5°	567.5	295.7	237.9	180.1	169.9	159.7	163.1	166.5	183.5	197.1	217.5
40°	479.2	248.1	210.7	173.3	163.1	152.9	156.3	156.3	169.9	183.5	197.1
42.5°	414.6	227.7	200.5	169.9	159.7	146.1	149.5	149.5	159.7	169.9	180.1
45°	356.8	217.5	193.7	166.5	156.3	142.7	142.7	139.3	149.5	156.3	163.1
47.5°	319.4	214.1	190.3	166.5	152.9	135.9	132.5	129.1	139.3	146.1	156.3
50°	299.1	214.1	190.3	163.1	146.1	129.1	125.7	122.3	135.9	146.1	163.1
52.5°	292.3	217.5	190.3	163.1	142.7	122.3	122.3	122.3	146.1	169.9	176.7
55°	292.3	224.3	193.7	159.7	139.3	118.9	125.7	132.5	139.3	146.1	146.1
57.5°	299.1	220.9	186.9	152.9	139.3	122.3	118.9	115.5	118.9	122.3	122.3
60°	329.6	214.1	180.1	146.1	129.1	112.1	108.7	105.3	112.1	115.5	115.5
62.5°	397.6	210.7	180.1	146.1	125.7	105.3	105.3	102.0	105.3	108.7	112.1
65°	486.0	234.5	190.3	146.1	125.7	105.3	98.6	91.8	98.6	102.0	102.0
67.5°	506.4	275.3	220.9	163.1	132.5	102.0	95.2	88.4	95.2	98.6	98.6
70°	458.8	302.5	237.9	173.3	139.3	102.0	95.2	85.0	88.4	91.8	88.4
72.5°	394.2	295.7	234.5	169.9	135.9	98.6	91.8	81.6	85.0	85.0	81.6
75°	*336.4*	*254.9*	*200.5*	*142.7*	*115.5*	*85.0*	*78.2*	*71.4*	*74.8*	*74.8*	*74.8*
77.5°	282.1	210.7	163.1	112.1	91.8	68.0	64.6	61.2	64.6	68.0	64.6
80°	220.9	159.7	122.3	81.6	68.0	51.0	54.4	54.4	57.8	57.8	57.8
82.5°	129.1	95.2	78.2	57.8	47.6	37.4	40.8	44.2	47.6	47.6	47.6
85°	78.2	61.2	51.0	40.8	34.0	23.8	30.6	34.0	34.0	34.0	30.6
87.5°	13.6	13.6	13.6	13.6	10.2	6.8	13.6	17.0	17.0	17.0	13.6
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°	2647.3	2647.3	2647.3	2647.3
2.5°	2212.3	2212.3	2208.9	2208.9
5°	2032.2	2025.4	2018.6	2025.4
7.5°	1617.6	1570.0	1522.5	1536.1
10°	1621.0	1617.6	1614.2	1610.8
12.5°	1172.4	1135.1	1097.7	1073.9
15°	995.7	985.5	971.9	971.9
17.5°	672.9	642.3	611.7	591.3
20°	574.3	591.3	604.9	611.7
22.5°	428.2	441.8	455.4	462.2
25°	452.0	486.0	516.6	520.0
27.5°	312.7	329.6	343.2	336.4
30°	305.9	316.0	326.2	326.2
32.5°	261.7	288.9	316.0	319.4
35°	261.7	275.3	288.9	292.3
37.5°	234.5	244.7	251.5	254.9
40°	210.7	217.5	220.9	220.9
42.5°	186.9	203.9	217.5	217.5
45°	166.5	210.7	254.9	268.5
47.5°	163.1	227.7	292.3	305.9
50°	176.7	237.9	295.7	302.5
52.5°	180.1	214.1	244.7	244.7
55°	142.7	159.7	173.3	169.9
57.5°	122.3	135.9	146.1	146.1
60°	115.5	132.5	146.1	149.5
62.5°	112.1	118.9	125.7	132.5
65°	102.0	102.0	102.0	102.0
67.5°	95.2	95.2	91.8	91.8
70°	85.0	85.0	85.0	85.0
72.5°	78.2	78.2	78.2	74.8
75°	*71.4*	*71.4*	*68.0*	*68.0*
77.5°	61.2	61.2	61.2	61.2
80°	54.4	54.4	51.0	51.0
82.5°	44.2	44.2	40.8	37.4
85°	27.2	27.2	23.8	20.4
87.5°	10.2	10.2	6.8	3.4
90°	0.0	0.0	0.0	0.0

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(END OF REPORT)