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: P561281

Luminaire Tested: **SDL-PA1-90-750-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:	P561281
	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-PA1-90-750-U-SL3
Description:	Springdale
	(1) 70 CRI, 5000K, 1180mA 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:	10170.7 lumens
Efficiency:	N/A
Efficacy:	110.1 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):	92.4
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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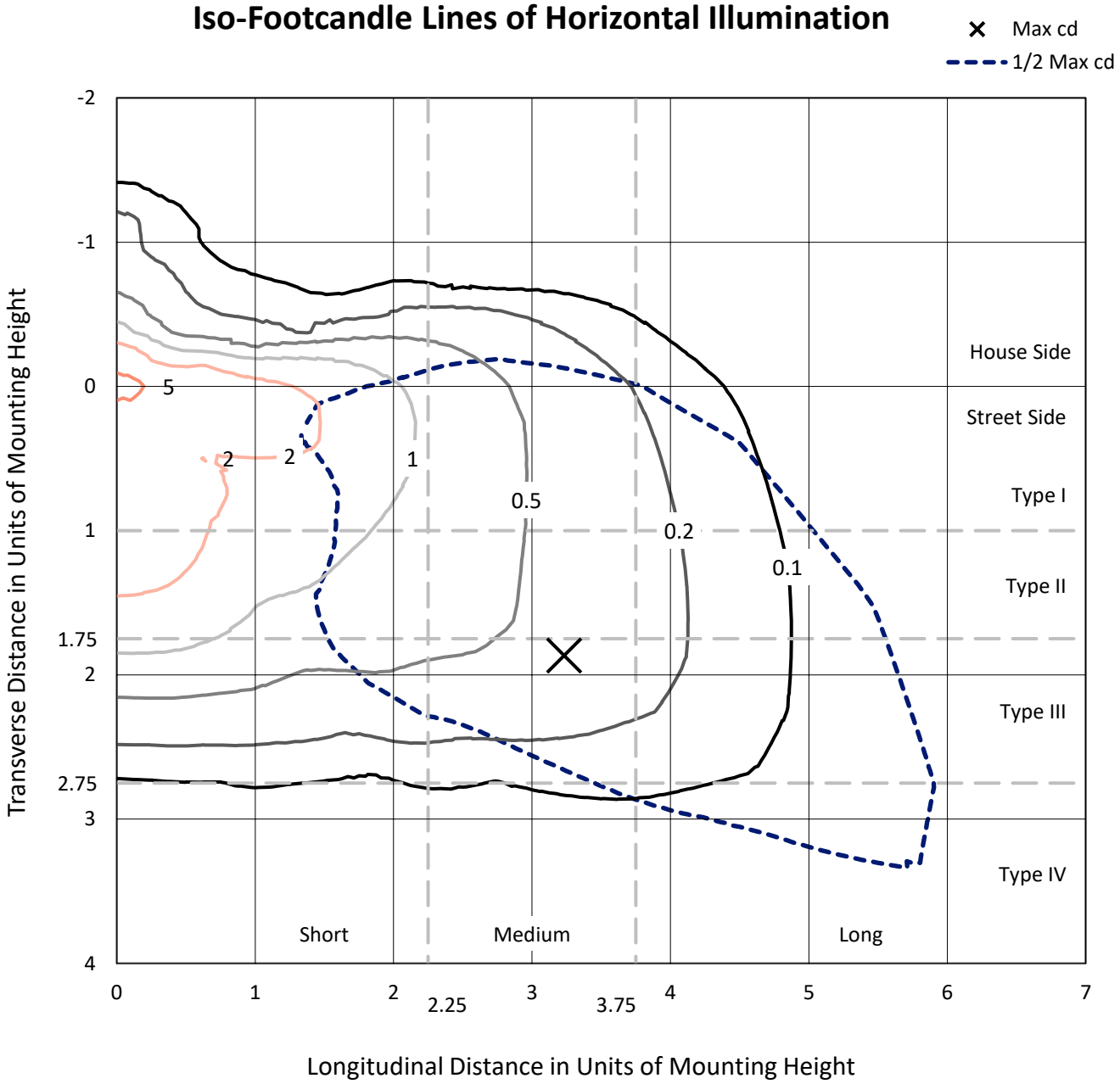
Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 7.3 fc
Type III - Medium - N/A

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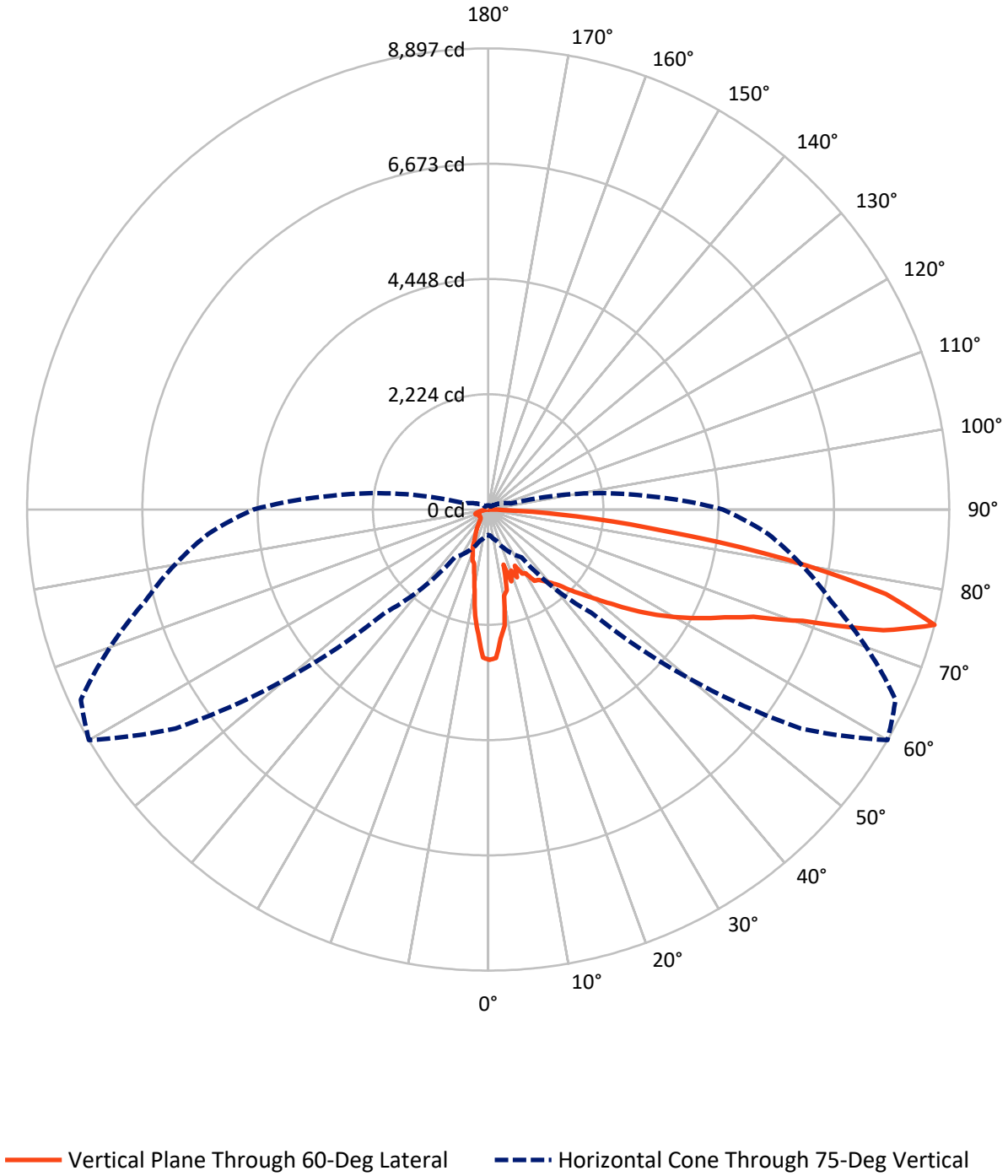
Luminous Intensity Polar Plot



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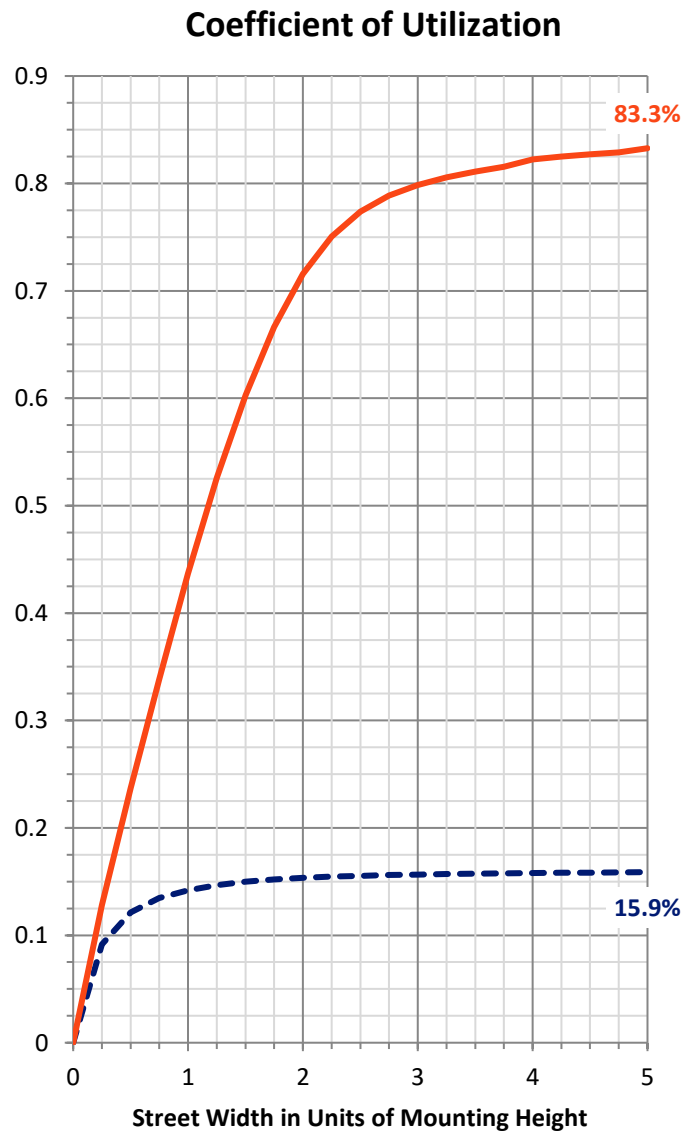
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1634.8	0.0	1634.8
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	8535.9	0.0	8535.9
	% Fixture	83.9	0.0	83.9
Total	Lumens	10170.7	0.0	10170.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.6	2.1
10°-20°	381.8	3.8
20°-30°	500.2	4.9
30°-40°	825.4	8.1
40°-50°	1288.9	12.7
50°-60°	1962.3	19.3
60°-70°	2431.4	23.9
70°-80°	2148.0	21.1
80°-90°	421.1	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°	10170.7	100.0
0°-180°	10170.7	100.0



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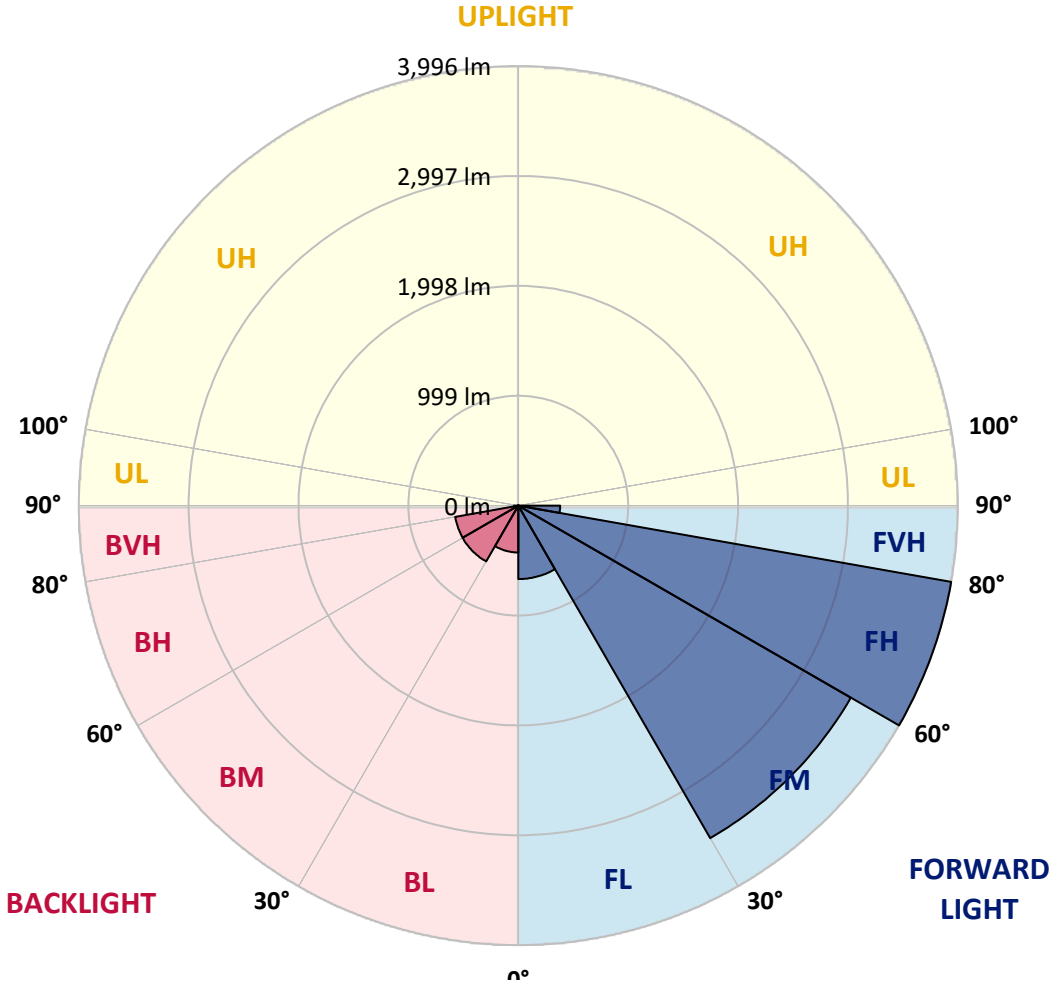
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	667.7	6.6			
FM	(30°-60°)	3490.9	34.3			
FH	(60°-80°)	3996.4	39.3			G2/5000
FVH	(80°-90°)	380.9	3.7			G3/500
BL	(0°-30°)	425.9	4.2	B1/500		
BM	(30°-60°)	585.7	5.8	B1/1000		
BH	(60°-80°)	583.0	5.7	B2/1000		G2/1000
BVH	(80°-90°)	40.1	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



REPORT NUMBER: P561281
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2901.1	2901.1	2901.1	2901.1	2901.1	2901.1	2901.1	2901.1	2901.1	2901.1	2901.1
2.5°	2409.5	2681.4	2618.1	2554.7	2651.6	2744.7	2774.5	2800.5	2815.4	2830.3	2845.2
5°	2238.2	2241.9	2245.6	2249.4	2260.5	2268.0	2282.9	2297.8	2312.7	2323.8	2338.7
7.5°	1728.0	1787.6	1884.4	1981.2	2040.8	2096.7	2130.2	2160.0	2182.3	2204.7	2227.0
10°	1921.6	1932.8	1936.5	1936.5	1955.2	1973.8	1832.3	1687.0	1757.8	1828.5	1750.3
12.5°	1508.3	1549.2	1672.1	1791.3	1828.5	1862.1	1795.0	1728.0	1623.7	1515.7	1508.3
15°	1731.7	1742.9	1746.6	1746.6	1631.2	1515.7	1437.5	1355.6	1418.9	1478.5	1340.7
17.5°	1340.7	1351.9	1448.7	1545.5	1564.1	1582.7	1500.8	1418.9	1236.4	1050.2	1225.2
20°	1593.9	1601.4	1601.4	1601.4	1407.7	1214.1	1229.0	1240.1	1299.7	1359.3	1310.9
22.5°	1284.8	1284.8	1284.8	1284.8	1344.4	1400.3	1281.1	1161.9	1229.0	1296.0	1236.4
25°	1616.3	1627.4	1601.4	1571.6	1392.8	1214.1	1269.9	1325.8	1225.2	1124.7	1214.1
27.5°	1474.7	1463.6	1411.4	1355.6	1381.6	1407.7	1284.8	1161.9	1240.1	1318.3	1281.1
30°	1958.9	1925.4	1869.5	1813.6	1601.4	1389.1	1355.6	1322.1	1255.0	1184.3	1262.5
32.5°	2603.2	2517.5	2256.8	1996.1	1865.8	1735.4	1567.9	1400.3	1385.4	1366.7	1389.1
35°	2774.5	2718.6	2610.6	2498.9	2275.4	2048.3	1836.0	1620.0	1549.2	1474.7	1489.6
37.5°	2808.0	2789.4	2767.0	2740.9	2513.8	2286.6	2055.7	1824.8	1750.3	1672.1	1616.3
40°	2834.0	2848.9	2889.9	2927.2	2700.0	2469.1	2260.5	2048.3	1970.1	1888.1	1791.3
42.5°	2953.2	2994.2	3046.3	3094.7	2886.2	2677.6	2495.2	2312.7	2212.1	2111.6	2022.2
45°	3228.8	3251.2	3307.0	3359.1	3161.8	2960.7	2752.1	2539.8	2454.2	2368.5	2279.2
47.5°	3631.0	3668.3	3664.5	3660.8	3441.1	3217.6	2983.0	2744.7	2688.8	2629.2	2543.6
50°	4137.5	4111.4	4040.7	3969.9	3731.6	3489.5	3213.9	2934.6	2908.5	2878.7	2808.0
52.5°	4390.7	4372.1	4275.3	4174.7	3932.7	3690.6	3392.7	3091.0	3124.5	3158.0	3091.0
55°	4405.6	4394.5	4323.7	4252.9	4018.3	3783.7	3519.3	3254.9	3336.8	3418.7	3392.7
57.5°	4297.6	4301.3	4279.0	4252.9	4044.4	3835.8	3616.1	3396.4	3537.9	3675.7	3701.8
60°	4022.0	4077.9	4115.1	4152.4	4022.0	3891.7	3701.8	3511.8	3727.8	3943.8	4014.6
62.5°	3511.8	3560.3	3694.3	3824.7	3850.7	3873.1	3746.5	3616.1	3906.6	4193.4	4308.8
65°	2722.3	2789.4	2990.5	3191.6	3400.1	3608.7	3638.5	3668.3	4159.8	4651.4	4748.2
67.5°	1698.2	1735.4	1947.7	2156.3	2577.1	2994.2	3232.5	3470.9	4320.0	5165.3	5318.0
70°	897.5	953.4	1057.6	1158.2	1519.4	1880.7	2364.8	2848.9	4077.9	5306.9	5932.5
72.5°	681.5	703.9	759.7	815.6	942.2	1068.8	1374.2	1679.6	3191.6	4699.8	6141.1
75°	*491.6*	*510.2*	*569.8*	*625.7*	*752.3*	*875.2*	*1001.8*	*1124.7*	*1970.1*	*2815.4*	*5090.9*
77.5°	286.8	294.2	324.0	350.1	547.4	744.8	882.6	1016.7	1221.5	1422.6	3634.7
80°	197.4	201.1	212.3	223.4	309.1	394.8	659.2	923.6	1016.7	1106.1	2409.5
82.5°	130.3	149.0	156.4	163.9	193.7	223.4	387.3	547.4	804.4	1057.6	1646.1
85°	67.0	74.5	89.4	100.6	115.4	126.6	175.0	219.7	666.6	1109.8	1184.3
87.5°	7.4	11.2	14.9	14.9	18.6	22.3	33.5	44.7	201.1	357.5	305.4
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°	2901.1	*2901.1*	2901.1	2901.1	2901.1	2901.1	2901.1	2901.1	2901.1	2901.1	2901.1
2.5°	2860.1	*2867.6*	2863.8	2871.3	2875.0	2878.7	2882.5	2882.5	2878.7	2871.3	2863.8
5°	2353.6	*2502.6*	2755.8	2781.9	2808.0	2815.4	2822.9	2826.6	2819.2	2808.0	2796.8
7.5°	2245.6	*2268.0*	2040.8	2223.3	2402.1	2416.9	2428.1	2420.7	2424.4	2323.8	2219.6
10°	1672.1	*1690.7*	1698.2	1754.1	1806.2	1929.1	2052.0	2033.4	2018.5	1839.7	1657.2
12.5°	1500.8	*1597.6*	1620.0	1526.9	1433.8	1560.4	1687.0	1672.1	1646.1	1482.2	1318.3
15°	1202.9	*1102.3*	1318.3	1519.4	1716.8	1836.0	1951.4	1917.9	1888.1	1679.6	1467.3
17.5°	1396.5	*1456.1*	1385.4	1415.2	1445.0	1534.3	1620.0	1567.9	1549.2	1404.0	1255.0
20°	1262.5	*1258.7*	1210.3	1385.4	1560.4	1735.4	1906.7	1854.6	1765.2	1482.2	1195.4
22.5°	1176.8	*1418.9*	1523.2	1500.8	1474.7	1407.7	1337.0	1292.3	1225.2	1161.9	1094.9
25°	1299.7	*1199.2*	1281.1	1549.2	1813.6	1862.1	1910.5	1798.7	1653.5	1366.7	1080.0
27.5°	1243.9	*1400.3*	1504.5	1683.3	1858.3	2025.9	2193.5	2044.5	1854.6	1497.1	1135.9
30°	1340.7	*1426.3*	1716.8	2052.0	2387.2	2446.7	2502.6	2297.8	2044.5	1683.3	1322.1
32.5°	1411.4	*1638.6*	1895.6	2156.3	2413.2	2457.9	2502.6	2271.7	1981.2	1582.7	1184.3
35°	1500.8	*1668.4*	1903.0	2208.4	2513.8	2524.9	2532.4	2264.3	1936.5	1485.9	1031.6
37.5°	1560.4	*1750.3*	2003.6	2327.6	2651.6	2629.2	2603.2	2297.8	1921.6	1418.9	916.1
40°	1694.5	*1858.3*	2130.2	2461.6	2793.1	2755.8	2718.6	2368.5	1925.4	1351.9	774.6
42.5°	1929.1	*1992.4*	2286.6	2640.4	2994.2	2953.2	2908.5	2491.4	1970.1	1314.6	655.4
45°	2186.1	*2215.8*	2469.1	2871.3	3273.5	3221.4	3169.2	2681.4	2052.0	1296.0	540.0
47.5°	2454.2	*2446.7*	2681.4	3169.2	3653.4	3541.6	3429.9	2904.8	2204.7	1333.2	461.8
50°	2733.5	*2722.3*	2949.5	3474.6	3999.7	3880.5	3761.4	3172.9	2379.7	1400.3	417.1
52.5°	3020.3	*3046.3*	3213.9	3761.4	4305.1	4197.1	4085.4	3463.4	2551.0	1474.7	398.5
55°	3362.9	*3444.8*	3511.8	4059.3	4606.7	4498.7	4387.0	3761.4	2789.4	1590.2	391.0
57.5°	3724.1	*3832.1*	3861.9	4360.9	4860.0	4789.2	4714.7	4044.4	3031.4	1724.3	413.4
60°	4085.4	*4226.9*	4334.9	4737.1	5135.6	5053.6	4971.7	4331.1	3258.6	1873.2	487.9
62.5°	4420.5	*4617.9*	4792.9	5087.1	5377.6	5280.8	5184.0	4580.7	3515.6	2078.1	636.8
65°	4841.3	*5016.4*	5206.3	5400.0	5589.9	5496.8	5403.7	4893.5	3858.2	2335.0	808.1
67.5°	5470.7	*5522.9*	5619.7	5738.9	5854.3	5798.4	5738.9	5277.1	4156.1	2484.0	808.1
70°	6554.4	*6439.0*	6293.7	6290.0	6282.6	6193.2	6100.1	5493.1	4174.7	2424.4	674.1
72.5°	7578.6	*7973.3*	7511.5	7176.4	6841.2	6446.4	6048.0	5202.6	3686.9	2111.6	536.3
75°	*7362.6*	*8896.9*	*8673.5*	*7764.8*	*6856.1*	*6141.1*	*5426.0*	*4532.2*	*3035.2*	*1746.6*	*458.1*
77.5°	5843.1	*7850.4*	8062.7	7228.5	6390.6	5422.3	4450.3	3504.4	2104.1	1243.9	383.6
80°	3709.2	*5869.2*	5906.4	5131.8	4353.5	3314.5	2275.4	1526.9	1013.0	659.2	305.4
82.5°	2234.5	*3474.6*	3024.0	2167.4	1310.9	908.7	502.8	484.1	372.4	275.6	178.8
85°	1258.7	*1701.9*	1221.5	800.7	379.9	271.9	160.1	171.3	163.9	134.1	100.6
87.5°	249.5	*294.2*	201.1	115.4	29.8	29.8	26.1	26.1	18.6	18.6	14.9
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°	2901.1	2901.1	2901.1	2901.1	2901.1	2901.1	2901.1	2901.1	2901.1	2901.1	2901.1
2.5°	2863.8	2863.8	2856.4	2848.9	2845.2	2841.5	2729.8	2618.1	2543.6	2465.4	2446.7
5°	2659.0	2521.2	2416.9	2312.7	2290.3	2268.0	2264.3	2260.5	2249.4	2234.5	2230.7
7.5°	2100.4	1977.5	2063.2	2145.1	2130.2	2111.6	2100.4	2085.5	2059.4	2033.4	1903.0
10°	1616.3	1575.3	1575.3	1571.6	1541.8	1512.0	1579.0	1646.1	1720.5	1795.0	1787.6
12.5°	1377.9	1433.8	1288.5	1139.6	1221.5	1299.7	1374.2	1445.0	1482.2	1519.4	1404.0
15°	1299.7	1128.4	1080.0	1031.6	1068.8	1106.1	998.1	886.3	972.0	1057.6	1076.3
17.5°	1165.6	1076.3	1027.9	975.7	834.2	689.0	737.4	785.8	782.1	778.3	759.7
20°	1087.4	975.7	890.1	800.7	733.7	666.6	595.9	521.4	487.9	450.6	540.0
22.5°	1035.3	975.7	797.0	618.2	566.1	513.9	458.1	398.5	420.8	439.4	454.3
25°	905.0	726.2	625.7	525.1	443.2	357.5	361.2	365.0	346.3	327.7	413.4
27.5°	916.1	692.7	536.3	379.9	350.1	316.5	297.9	275.6	305.4	331.4	338.9
30°	960.8	599.6	454.3	309.1	275.6	242.1	253.2	260.7	260.7	260.7	297.9
32.5°	852.8	521.4	387.3	249.5	230.9	208.6	212.3	212.3	230.9	249.5	268.1
35°	722.5	409.7	316.5	219.7	201.1	182.5	189.9	197.4	216.0	234.6	260.7
37.5°	621.9	324.0	260.7	197.4	186.2	175.0	178.8	182.5	201.1	216.0	238.3
40°	525.1	271.9	230.9	189.9	178.8	167.6	171.3	171.3	186.2	201.1	216.0
42.5°	454.3	249.5	219.7	186.2	175.0	160.1	163.9	163.9	175.0	186.2	197.4
45°	391.0	238.3	212.3	182.5	171.3	156.4	156.4	152.7	163.9	171.3	178.8
47.5°	350.1	234.6	208.6	182.5	167.6	149.0	145.2	141.5	152.7	160.1	171.3
50°	327.7	234.6	208.6	178.8	160.1	141.5	137.8	134.1	149.0	160.1	178.8
52.5°	320.3	238.3	208.6	178.8	156.4	134.1	134.1	134.1	160.1	186.2	193.7
55°	320.3	245.8	212.3	175.0	152.7	130.3	137.8	145.2	152.7	160.1	160.1
57.5°	327.7	242.1	204.8	167.6	152.7	134.1	130.3	126.6	130.3	134.1	134.1
60°	361.2	234.6	197.4	160.1	141.5	122.9	119.2	115.4	122.9	126.6	126.6
62.5°	435.7	230.9	197.4	160.1	137.8	115.4	115.4	111.7	115.4	119.2	122.9
65°	532.5	257.0	208.6	160.1	137.8	115.4	108.0	100.6	108.0	111.7	111.7
67.5°	554.9	301.7	242.1	178.8	145.2	111.7	104.3	96.8	104.3	108.0	108.0
70°	502.8	331.4	260.7	189.9	152.7	111.7	104.3	93.1	96.8	100.6	96.8
72.5°	432.0	324.0	257.0	186.2	149.0	108.0	100.6	89.4	93.1	93.1	89.4
75°	*368.7*	*279.3*	*219.7*	*156.4*	*126.6*	*93.1*	*85.7*	*78.2*	*81.9*	*81.9*	*81.9*
77.5°	309.1	230.9	178.8	122.9	100.6	74.5	70.8	67.0	70.8	74.5	70.8
80°	242.1	175.0	134.1	89.4	74.5	55.9	59.6	59.6	63.3	63.3	63.3
82.5°	141.5	104.3	85.7	63.3	52.1	41.0	44.7	48.4	52.1	52.1	52.1
85°	85.7	67.0	55.9	44.7	37.2	26.1	33.5	37.2	37.2	37.2	33.5
87.5°	14.9	14.9	14.9	14.9	11.2	7.4	14.9	18.6	18.6	18.6	14.9
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°	2901.1	2901.1	2901.1	2901.1
2.5°	2424.4	2424.4	2420.7	2420.7
5°	2227.0	2219.6	2212.1	2219.6
7.5°	1772.7	1720.5	1668.4	1683.3
10°	1776.4	1772.7	1769.0	1765.2
12.5°	1284.8	1243.9	1202.9	1176.8
15°	1091.2	1080.0	1065.1	1065.1
17.5°	737.4	703.9	670.3	648.0
20°	629.4	648.0	662.9	670.3
22.5°	469.2	484.1	499.0	506.5
25°	495.3	532.5	566.1	569.8
27.5°	342.6	361.2	376.1	368.7
30°	335.2	346.3	357.5	357.5
32.5°	286.8	316.5	346.3	350.1
35°	286.8	301.7	316.5	320.3
37.5°	257.0	268.1	275.6	279.3
40°	230.9	238.3	242.1	242.1
42.5°	204.8	223.4	238.3	238.3
45°	182.5	230.9	279.3	294.2
47.5°	178.8	249.5	320.3	335.2
50°	193.7	260.7	324.0	331.4
52.5°	197.4	234.6	268.1	268.1
55°	156.4	175.0	189.9	186.2
57.5°	134.1	149.0	160.1	160.1
60°	126.6	145.2	160.1	163.9
62.5°	122.9	130.3	137.8	145.2
65°	111.7	111.7	111.7	111.7
67.5°	104.3	104.3	100.6	100.6
70°	93.1	93.1	93.1	93.1
72.5°	85.7	85.7	85.7	81.9
75°	*78.2*	*78.2*	*74.5*	*74.5*
77.5°	67.0	67.0	67.0	67.0
80°	59.6	59.6	55.9	55.9
82.5°	48.4	48.4	44.7	41.0
85°	29.8	29.8	26.1	22.3
87.5°	11.2	11.2	7.4	3.7
90°	0.0	0.0	0.0	0.0

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(END OF REPORT)