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: P560577

Luminaire Tested: **SDL-PA1-50-750-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:	P560577
	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-PA1-50-750-U-SL3
Description:	Springdale
	(1) 70 CRI, 5000K, 670mA 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:	6399.5 lumens
Efficiency:	N/A
Efficacy:	122.1 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:	B1 - U0 - G3

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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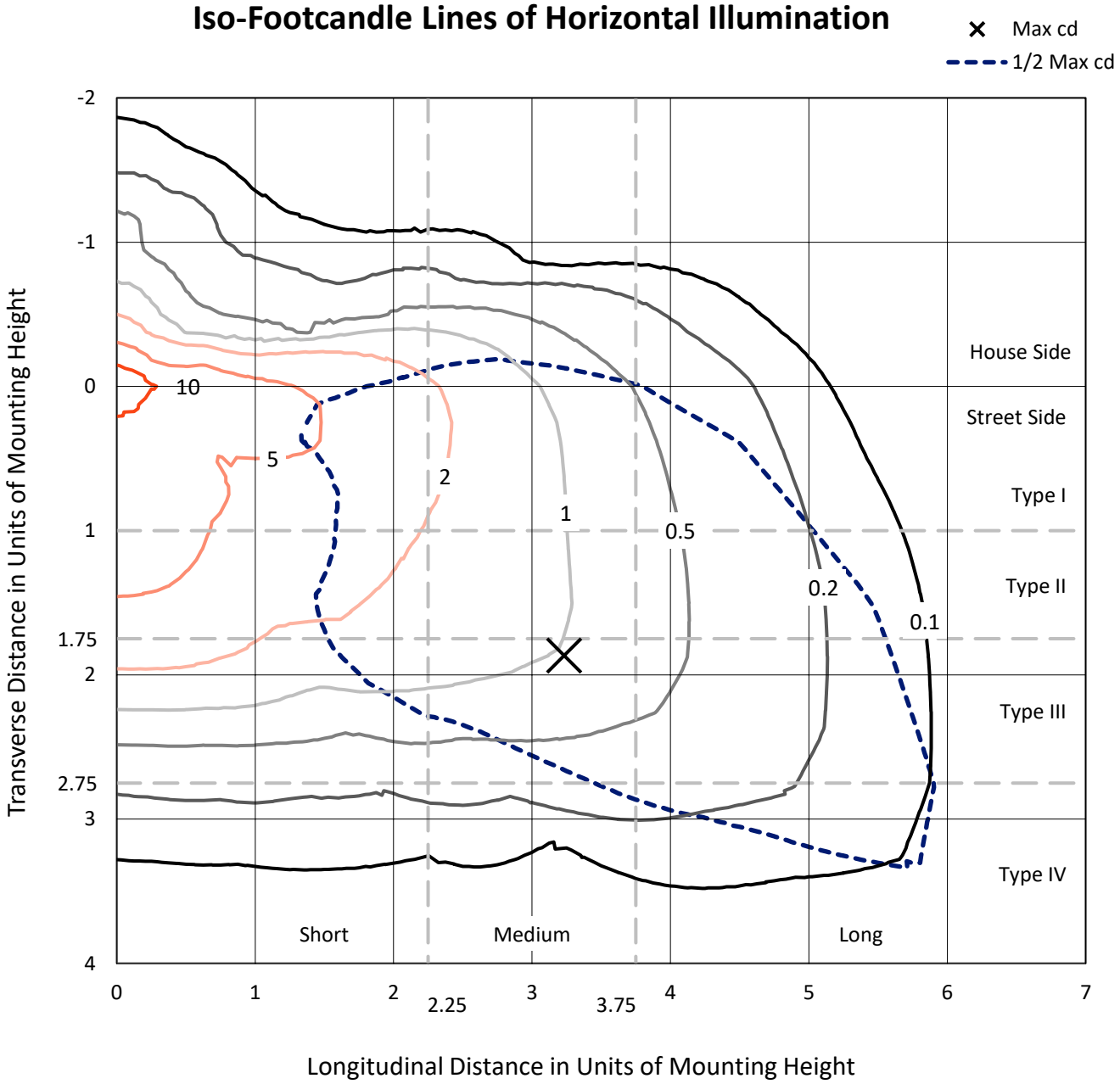
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 18.3 fc
Type III - Medium - N/A

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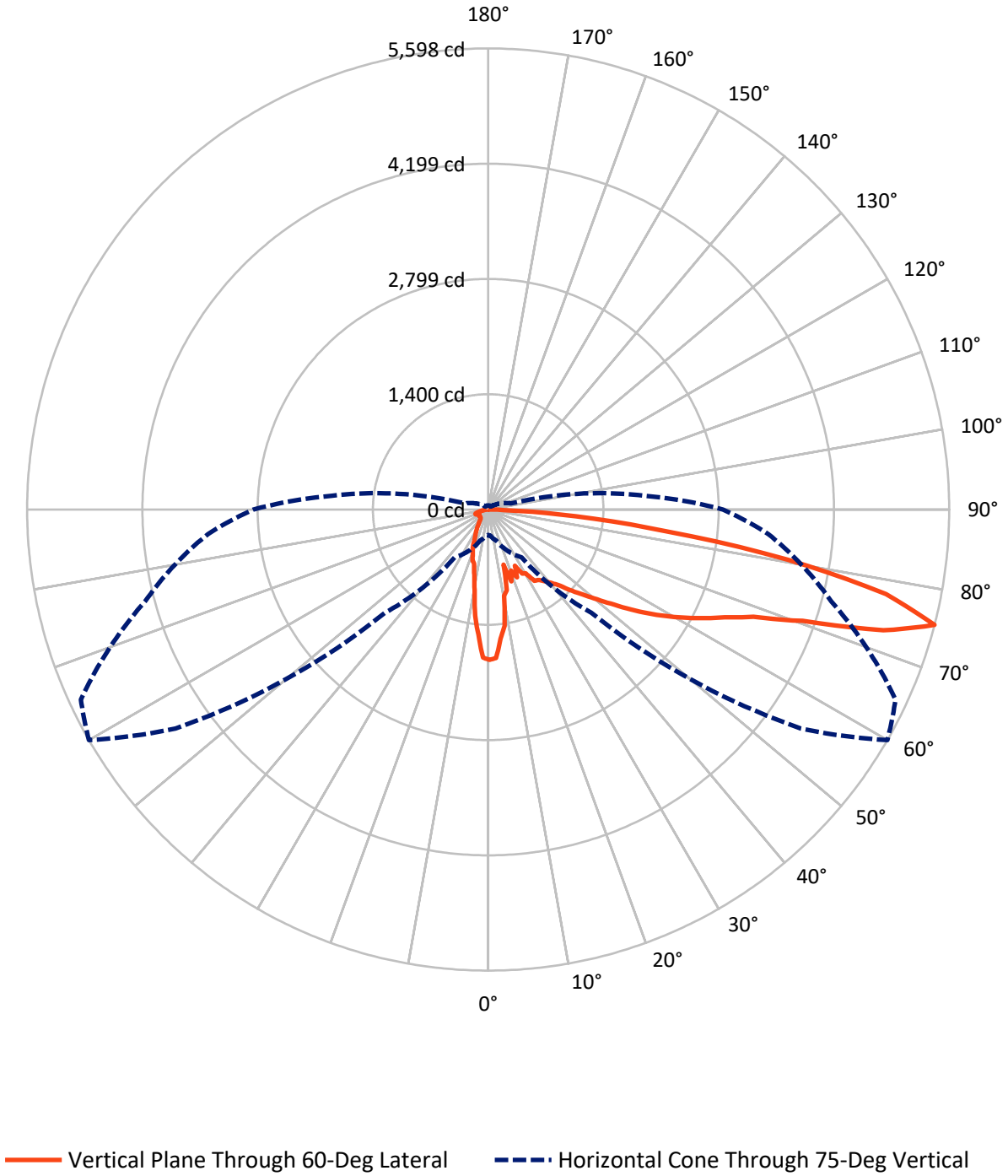
Luminous Intensity Polar Plot



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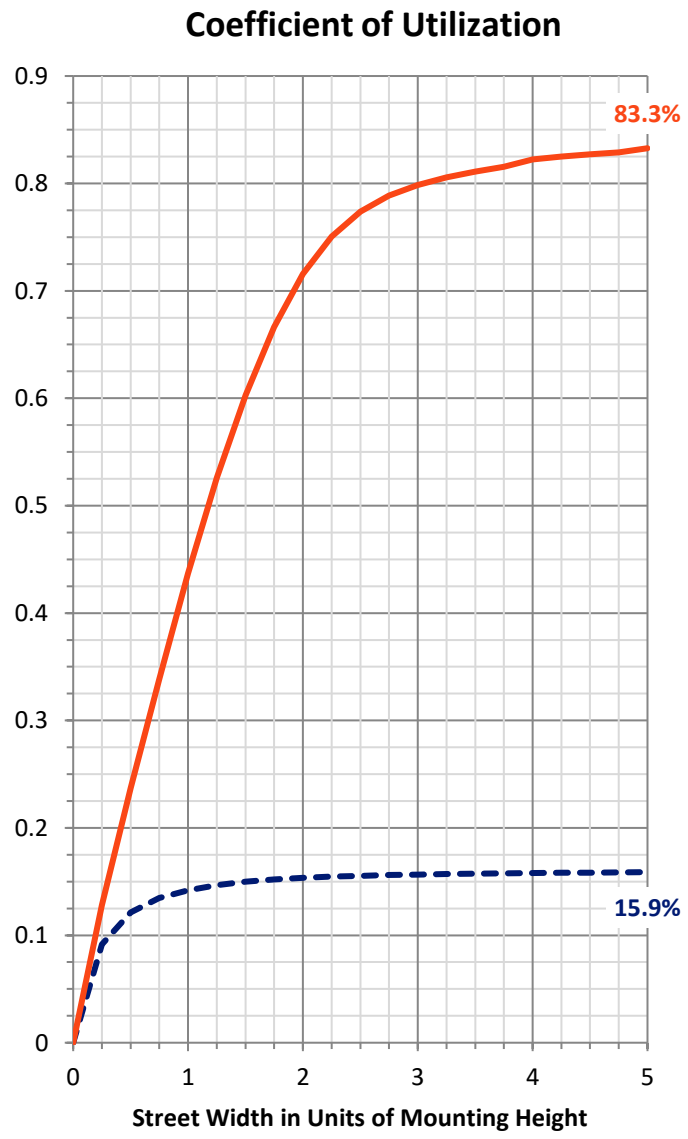
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1028.6	0.0	1028.6
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	5370.9	0.0	5370.9
	% Fixture	83.9	0.0	83.9
Total	Lumens	6399.5	0.0	6399.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.2	2.1
10°-20°	240.3	3.8
20°-30°	314.7	4.9
30°-40°	519.3	8.1
40°-50°	811.0	12.7
50°-60°	1234.7	19.3
60°-70°	1529.9	23.9
70°-80°	1351.5	21.1
80°-90°	264.9	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°	6399.5	100.0
0°-180°	6399.5	100.0



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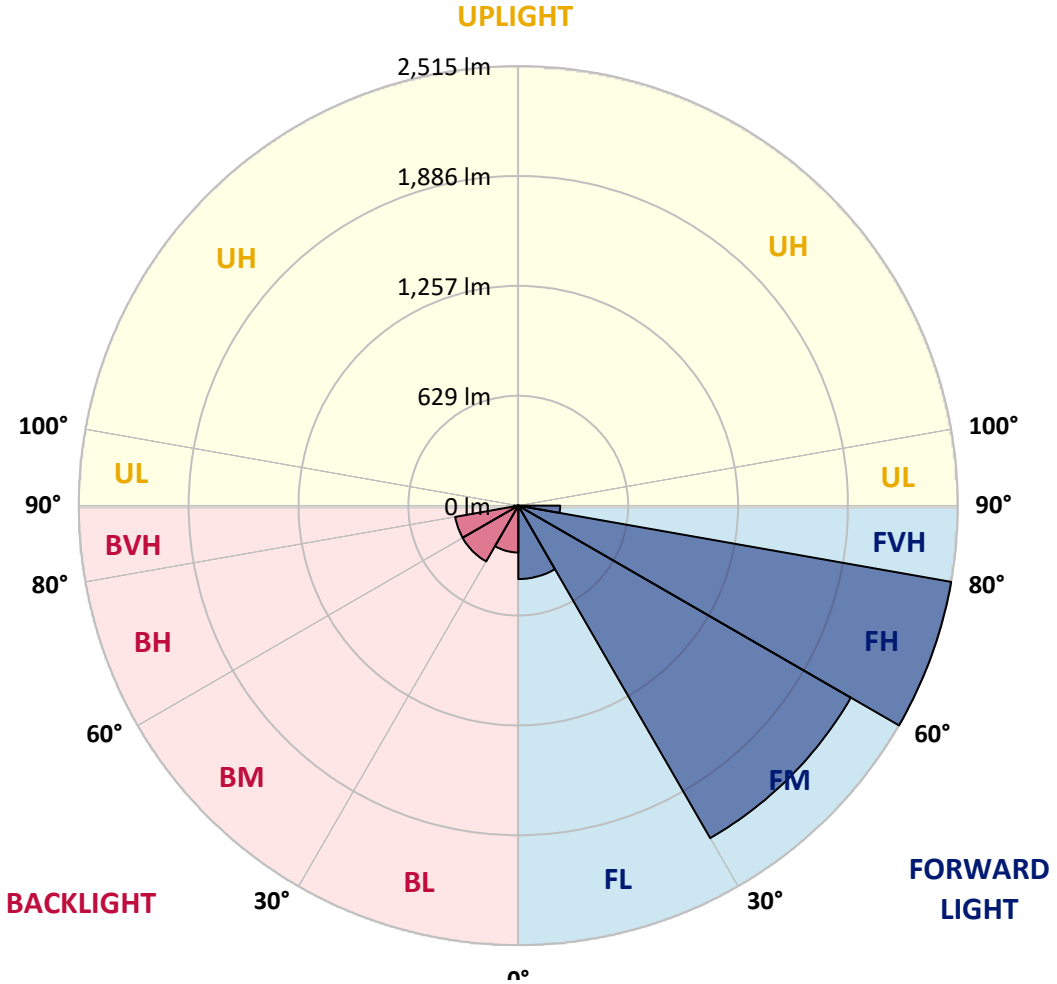
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	420.2	6.6			
FM	(30°-60°)	2196.5	34.3			
FH	(60°-80°)	2514.6	39.3			G2/5000
FVH	(80°-90°)	239.7	3.7			G3/500
BL	(0°-30°)	268.0	4.2	B1/500		
BM	(30°-60°)	368.6	5.8	B1/1000		
BH	(60°-80°)	366.8	5.7	B1/500		G1/500
BVH	(80°-90°)	25.3	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1825.4	1825.4	1825.4	1825.4	1825.4	1825.4	1825.4	1825.4	1825.4	1825.4	1825.4
2.5°	1516.1	1687.1	1647.3	1607.5	1668.4	1727.0	1745.7	1762.1	1771.5	1780.9	1790.2
5°	1408.3	1410.6	1413.0	1415.3	1422.4	1427.0	1436.4	1445.8	1455.2	1462.2	1471.6
7.5°	1087.3	1124.8	1185.7	1246.6	1284.1	1319.3	1340.3	1359.1	1373.1	1387.2	1401.3
10°	1209.1	1216.2	1218.5	1218.5	1230.2	1241.9	1152.9	1061.5	1106.0	1150.5	1101.3
12.5°	949.0	974.8	1052.1	1127.1	1150.5	1171.6	1129.5	1087.3	1021.7	953.7	949.0
15°	1089.6	1096.6	1099.0	1099.0	1026.3	953.7	904.5	852.9	892.8	930.3	843.6
17.5°	843.6	850.6	911.5	972.5	984.2	995.9	944.3	892.8	778.0	660.8	770.9
20°	1002.9	1007.6	1007.6	1007.6	885.8	763.9	773.3	780.3	817.8	855.3	824.8
22.5°	808.4	808.4	808.4	808.4	845.9	881.1	806.1	731.1	773.3	815.5	778.0
25°	1017.0	1024.0	1007.6	988.9	876.4	763.9	799.1	834.2	770.9	707.7	763.9
27.5°	927.9	920.9	888.1	852.9	869.3	885.8	808.4	731.1	780.3	829.5	806.1
30°	1232.6	1211.5	1176.3	1141.2	1007.6	874.0	852.9	831.9	789.7	745.2	794.4
32.5°	1637.9	1584.0	1420.0	1256.0	1174.0	1092.0	986.5	881.1	871.7	860.0	874.0
35°	1745.7	1710.6	1642.6	1572.3	1431.7	1288.8	1155.2	1019.3	974.8	927.9	937.3
37.5°	1766.8	1755.1	1741.0	1724.6	1581.7	1438.8	1293.5	1148.2	1101.3	1052.1	1017.0
40°	1783.2	1792.6	1818.4	1841.8	1698.9	1553.6	1422.4	1288.8	1239.6	1188.0	1127.1
42.5°	1858.2	1884.0	1916.8	1947.2	1816.0	1684.8	1570.0	1455.2	1391.9	1328.6	1272.4
45°	2031.6	2045.7	2080.8	2113.6	1989.4	1862.9	1731.7	1598.1	1544.2	1490.3	1434.1
47.5°	2284.7	2308.1	2305.8	2303.4	2165.2	2024.6	1876.9	1727.0	1691.8	1654.3	1600.4
50°	2603.4	2587.0	2542.4	2497.9	2347.9	2195.6	2022.2	1846.5	1830.1	1811.3	1766.8
52.5°	2762.7	2751.0	2690.1	2626.8	2474.5	2322.2	2134.7	1944.9	1966.0	1987.1	1944.9
55°	2772.1	2765.0	2720.5	2676.0	2528.4	2380.7	2214.4	2048.0	2099.6	2151.1	2134.7
57.5°	2704.1	2706.5	2692.4	2676.0	2544.8	2413.6	2275.3	2137.1	2226.1	2312.8	2329.2
60°	2530.7	2565.9	2589.3	2612.7	2530.7	2448.7	2329.2	2209.7	2345.6	2481.5	2526.0
62.5°	2209.7	2240.2	2324.5	2406.5	2422.9	2437.0	2357.3	2275.3	2458.1	2638.5	2711.1
65°	1712.9	1755.1	1881.6	2008.2	2139.4	2270.6	2289.4	2308.1	2617.4	2926.7	2987.7
67.5°	1068.5	1092.0	1225.5	1356.7	1621.5	1884.0	2033.9	2183.9	2718.2	3250.1	3346.2
70°	564.7	599.9	665.5	728.8	956.0	1183.3	1488.0	1792.6	2565.9	3339.1	3732.8
72.5°	428.8	442.9	478.0	513.2	592.8	672.5	864.7	1056.8	2008.2	2957.2	3864.0
75°	*309.3*	*321.0*	*358.5*	*393.7*	*473.3*	*550.7*	*630.3*	*707.7*	*1239.6*	*1771.5*	*3203.2*
77.5°	180.4	185.1	203.9	220.3	344.5	468.7	555.4	639.7	768.6	895.1	2287.0
80°	124.2	126.5	133.6	140.6	194.5	248.4	414.8	581.1	639.7	695.9	1516.1
82.5°	82.0	93.7	98.4	103.1	121.8	140.6	243.7	344.5	506.1	665.5	1035.7
85°	42.2	46.9	56.2	63.3	72.6	79.7	110.1	138.3	419.4	698.3	745.2
87.5°	4.7	7.0	9.4	9.4	11.7	14.1	21.1	28.1	126.5	225.0	192.1
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°	1825.4	*1825.4*	1825.4	1825.4	1825.4	1825.4	1825.4	1825.4	1825.4	1825.4	1825.4
2.5°	1799.6	*1804.3*	1802.0	1806.7	1809.0	1811.3	1813.7	1813.7	1811.3	1806.7	1802.0
5°	1480.9	*1574.7*	1734.0	1750.4	1766.8	1771.5	1776.2	1778.5	1773.8	1766.8	1759.8
7.5°	1413.0	*1427.0*	1284.1	1398.9	1511.4	1520.8	1527.8	1523.1	1525.5	1462.2	1396.6
10°	1052.1	*1063.8*	1068.5	1103.7	1136.5	1213.8	1291.1	1279.4	1270.0	1157.6	1042.7
12.5°	944.3	*1005.3*	1019.3	960.7	902.2	981.8	1061.5	1052.1	1035.7	932.6	829.5
15°	756.9	*693.6*	829.5	956.0	1080.2	1155.2	1227.9	1206.8	1188.0	1056.8	923.2
17.5°	878.7	*916.2*	871.7	890.4	909.2	965.4	1019.3	986.5	974.8	883.4	789.7
20°	794.4	*792.0*	761.6	871.7	981.8	1092.0	1199.7	1166.9	1110.7	932.6	752.2
22.5°	740.5	*892.8*	958.4	944.3	927.9	885.8	841.2	813.1	770.9	731.1	688.9
25°	817.8	*754.5*	806.1	974.8	1141.2	1171.6	1202.1	1131.8	1040.4	860.0	679.5
27.5°	782.6	*881.1*	946.7	1059.2	1169.3	1274.7	1380.2	1286.4	1166.9	942.0	714.7
30°	843.6	*897.5*	1080.2	1291.1	1502.0	1539.5	1574.7	1445.8	1286.4	1059.2	831.9
32.5°	888.1	*1031.0*	1192.7	1356.7	1518.4	1546.6	1574.7	1429.4	1246.6	995.9	745.2
35°	944.3	*1049.8*	1197.4	1389.6	1581.7	1588.7	1593.4	1424.7	1218.5	935.0	649.1
37.5°	981.8	*1101.3*	1260.7	1464.5	1668.4	1654.3	1637.9	1445.8	1209.1	892.8	576.4
40°	1066.2	*1169.3*	1340.3	1548.9	1757.4	1734.0	1710.6	1490.3	1211.5	850.6	487.4
42.5°	1213.8	*1253.6*	1438.8	1661.4	1884.0	1858.2	1830.1	1567.6	1239.6	827.2	412.4
45°	1375.5	*1394.2*	1553.6	1806.7	2059.7	2026.9	1994.1	1687.1	1291.1	815.5	339.8
47.5°	1544.2	*1539.5*	1687.1	1994.1	2298.7	2228.4	2158.1	1827.7	1387.2	838.9	290.6
50°	1720.0	*1712.9*	1855.9	2186.3	2516.7	2441.7	2366.7	1996.5	1497.3	881.1	262.4
52.5°	1900.4	*1916.8*	2022.2	2366.7	2708.8	2640.9	2570.6	2179.2	1605.1	927.9	250.7
55°	2116.0	*2167.5*	2209.7	2554.2	2898.6	2830.7	2760.4	2366.7	1755.1	1000.6	246.0
57.5°	2343.3	*2411.2*	2430.0	2744.0	3058.0	3013.4	2966.6	2544.8	1907.4	1084.9	260.1
60°	2570.6	*2659.6*	2727.6	2980.6	3231.4	3179.8	3128.2	2725.2	2050.4	1178.7	307.0
62.5°	2781.4	*2905.6*	3015.8	3200.9	3383.7	3322.7	3261.8	2882.2	2212.0	1307.5	400.7
65°	3046.2	*3156.4*	3275.9	3397.7	3517.2	3458.6	3400.1	3079.0	2427.6	1469.2	508.5
67.5°	3442.2	*3475.1*	3536.0	3611.0	3683.6	3648.5	3611.0	3320.4	2615.1	1563.0	508.5
70°	4124.1	*4051.5*	3960.1	3957.8	3953.1	3896.8	3838.3	3456.3	2626.8	1525.5	424.1
72.5°	4768.5	*5016.9*	4726.4	4515.5	4304.6	4056.2	3805.5	3273.5	2319.8	1328.6	337.4
75°	*4632.6*	*5598.0*	*5457.4*	*4885.7*	*4313.9*	*3864.0*	*3414.1*	*2851.7*	*1909.8*	*1099.0*	*288.2*
77.5°	3676.6	*4939.6*	5073.2	4548.3	4021.0	3411.8	2800.2	2205.0	1323.9	782.6	241.4
80°	2333.9	*3693.0*	3716.4	3229.0	2739.3	2085.5	1431.7	960.7	637.4	414.8	192.1
82.5°	1406.0	*2186.3*	1902.7	1363.8	824.8	571.8	316.3	304.6	234.3	173.4	112.5
85°	792.0	*1070.9*	768.6	503.8	239.0	171.1	100.8	107.8	103.1	84.4	63.3
87.5°	157.0	*185.1*	126.5	72.6	18.7	18.7	16.4	16.4	11.7	11.7	9.4
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1825.4	1825.4	1825.4	1825.4	1825.4	1825.4	1825.4	1825.4	1825.4	1825.4	1825.4
2.5°	1802.0	1802.0	1797.3	1792.6	1790.2	1787.9	1717.6	1647.3	1600.4	1551.2	1539.5
5°	1673.1	1586.4	1520.8	1455.2	1441.1	1427.0	1424.7	1422.4	1415.3	1406.0	1403.6
7.5°	1321.6	1244.3	1298.2	1349.7	1340.3	1328.6	1321.6	1312.2	1295.8	1279.4	1197.4
10°	1017.0	991.2	991.2	988.9	970.1	951.4	993.5	1035.7	1082.6	1129.5	1124.8
12.5°	867.0	902.2	810.8	717.0	768.6	817.8	864.7	909.2	932.6	956.0	883.4
15°	817.8	710.0	679.5	649.1	672.5	695.9	628.0	557.7	611.6	665.5	677.2
17.5°	733.4	677.2	646.7	613.9	524.9	433.5	464.0	494.4	492.1	489.7	478.0
20°	684.2	613.9	560.0	503.8	461.6	419.4	374.9	328.1	307.0	283.5	339.8
22.5°	651.4	613.9	501.5	389.0	356.2	323.4	288.2	250.7	264.8	276.5	285.9
25°	569.4	456.9	393.7	330.4	278.8	225.0	227.3	229.6	217.9	206.2	260.1
27.5°	576.4	435.8	337.4	239.0	220.3	199.2	187.5	173.4	192.1	208.5	213.2
30°	604.6	377.3	285.9	194.5	173.4	152.3	159.3	164.0	164.0	164.0	187.5
32.5°	536.6	328.1	243.7	157.0	145.3	131.2	133.6	133.6	145.3	157.0	168.7
35°	454.6	257.8	199.2	138.3	126.5	114.8	119.5	124.2	135.9	147.6	164.0
37.5°	391.3	203.9	164.0	124.2	117.2	110.1	112.5	114.8	126.5	135.9	150.0
40°	330.4	171.1	145.3	119.5	112.5	105.4	107.8	107.8	117.2	126.5	135.9
42.5°	285.9	157.0	138.3	117.2	110.1	100.8	103.1	103.1	110.1	117.2	124.2
45°	246.0	150.0	133.6	114.8	107.8	98.4	98.4	96.1	103.1	107.8	112.5
47.5°	220.3	147.6	131.2	114.8	105.4	93.7	91.4	89.0	96.1	100.8	107.8
50°	206.2	147.6	131.2	112.5	100.8	89.0	86.7	84.4	93.7	100.8	112.5
52.5°	201.5	150.0	131.2	112.5	98.4	84.4	84.4	84.4	100.8	117.2	121.8
55°	201.5	154.7	133.6	110.1	96.1	82.0	86.7	91.4	96.1	100.8	100.8
57.5°	206.2	152.3	128.9	105.4	96.1	84.4	82.0	79.7	82.0	84.4	84.4
60°	227.3	147.6	124.2	100.8	89.0	77.3	75.0	72.6	77.3	79.7	79.7
62.5°	274.2	145.3	124.2	100.8	86.7	72.6	72.6	70.3	72.6	75.0	77.3
65°	335.1	161.7	131.2	100.8	86.7	72.6	68.0	63.3	68.0	70.3	70.3
67.5°	349.1	189.8	152.3	112.5	91.4	70.3	65.6	60.9	65.6	68.0	68.0
70°	316.3	208.5	164.0	119.5	96.1	70.3	65.6	58.6	60.9	63.3	60.9
72.5°	271.8	203.9	161.7	117.2	93.7	68.0	63.3	56.2	58.6	58.6	56.2
75°	*232.0*	*175.7*	*138.3*	*98.4*	*79.7*	*58.6*	*53.9*	*49.2*	*51.6*	*51.6*	*51.6*
77.5°	194.5	145.3	112.5	77.3	63.3	46.9	44.5	42.2	44.5	46.9	44.5
80°	152.3	110.1	84.4	56.2	46.9	35.1	37.5	37.5	39.8	39.8	39.8
82.5°	89.0	65.6	53.9	39.8	32.8	25.8	28.1	30.5	32.8	32.8	32.8
85°	53.9	42.2	35.1	28.1	23.4	16.4	21.1	23.4	23.4	23.4	21.1
87.5°	9.4	9.4	9.4	9.4	7.0	4.7	9.4	11.7	11.7	11.7	9.4
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):

	165°	170°	175°	180°
0°	1825.4	1825.4	1825.4	1825.4
2.5°	1525.5	1525.5	1523.1	1523.1
5°	1401.3	1396.6	1391.9	1396.6
7.5°	1115.4	1082.6	1049.8	1059.2
10°	1117.7	1115.4	1113.0	1110.7
12.5°	808.4	782.6	756.9	740.5
15°	686.6	679.5	670.2	670.2
17.5°	464.0	442.9	421.8	407.7
20°	396.0	407.7	417.1	421.8
22.5°	295.3	304.6	314.0	318.7
25°	311.7	335.1	356.2	358.5
27.5°	215.6	227.3	236.7	232.0
30°	210.9	217.9	225.0	225.0
32.5°	180.4	199.2	217.9	220.3
35°	180.4	189.8	199.2	201.5
37.5°	161.7	168.7	173.4	175.7
40°	145.3	150.0	152.3	152.3
42.5°	128.9	140.6	150.0	150.0
45°	114.8	145.3	175.7	185.1
47.5°	112.5	157.0	201.5	210.9
50°	121.8	164.0	203.9	208.5
52.5°	124.2	147.6	168.7	168.7
55°	98.4	110.1	119.5	117.2
57.5°	84.4	93.7	100.8	100.8
60°	79.7	91.4	100.8	103.1
62.5°	77.3	82.0	86.7	91.4
65°	70.3	70.3	70.3	70.3
67.5°	65.6	65.6	63.3	63.3
70°	58.6	58.6	58.6	58.6
72.5°	53.9	53.9	53.9	51.6
75°	*49.2*	*49.2*	*46.9*	*46.9*
77.5°	42.2	42.2	42.2	42.2
80°	37.5	37.5	35.1	35.1
82.5°	30.5	30.5	28.1	25.8
85°	18.7	18.7	16.4	14.1
87.5°	7.0	7.0	4.7	2.3
90°	0.0	0.0	0.0	0.0

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(END OF REPORT)