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: P560774

Luminaire Tested: **SDL-PA1-60-760-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560774
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-14)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-60-760-U-SL3-HSS
Description:	Springdale
	(1) 70 CRI, 5700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6258.8 lumens
Efficiency:	N/A
Efficacy:	100.3 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):	62.4
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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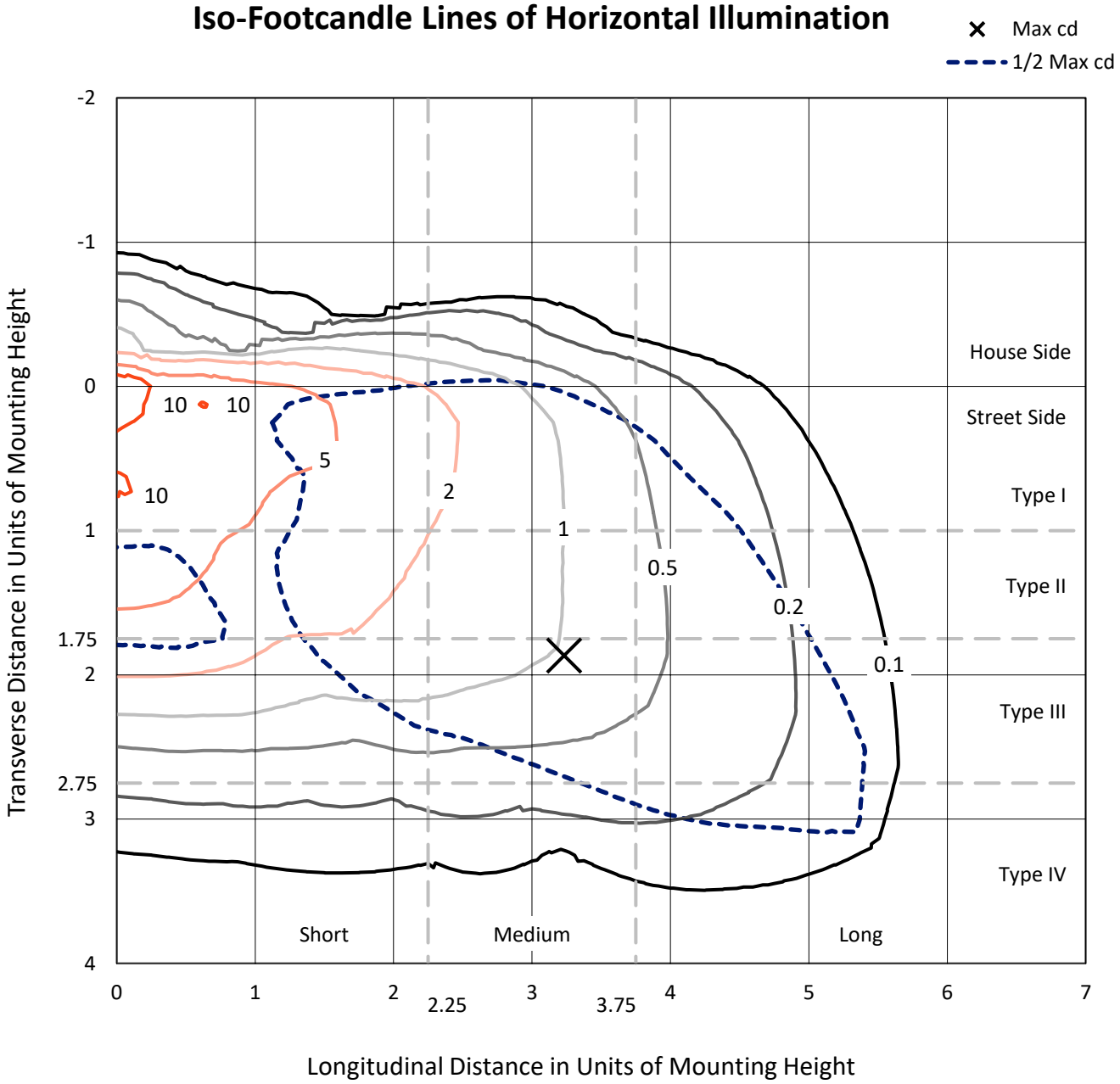
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 17.8 fc
Type IV - Medium - N/A

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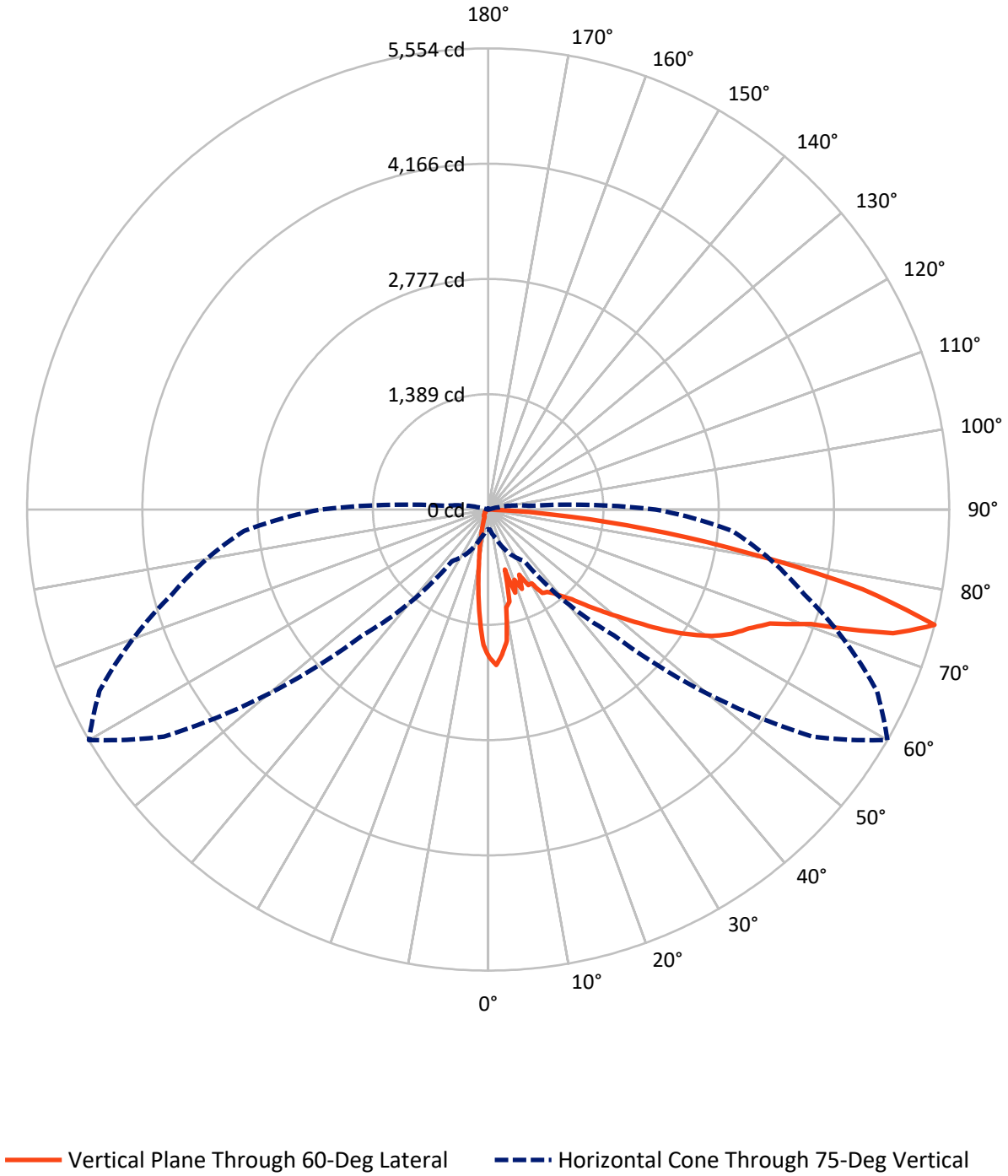
Luminous Intensity Polar Plot



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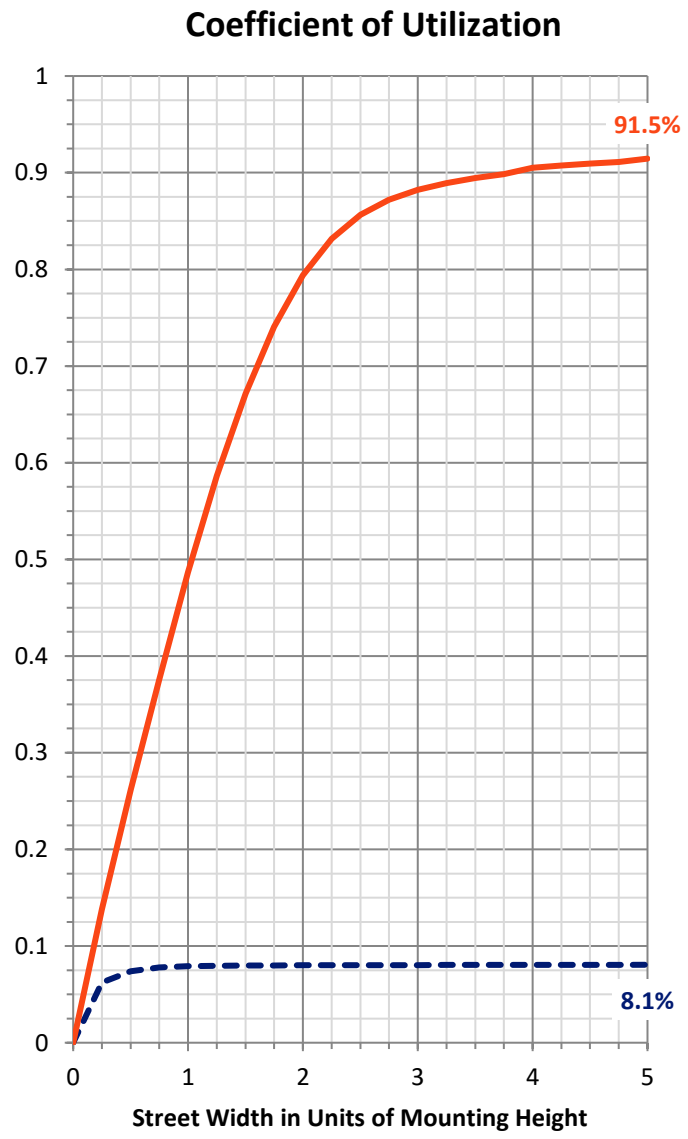
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	509.9	0.0	509.9
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	5749.0	0.0	5749.0
	% Fixture	91.9	0.0	91.9
Total	Lumens	6258.8	0.0	6258.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.4	2.0
10°-20°	204.8	3.3
20°-30°	293.4	4.7
30°-40°	522.4	8.3
40°-50°	859.8	13.7
50°-60°	1325.8	21.2
60°-70°	1545.1	24.7
70°-80°	1197.3	19.1
80°-90°	187.0	3.0
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°	6258.8	100.0
0°-180°	6258.8	100.0



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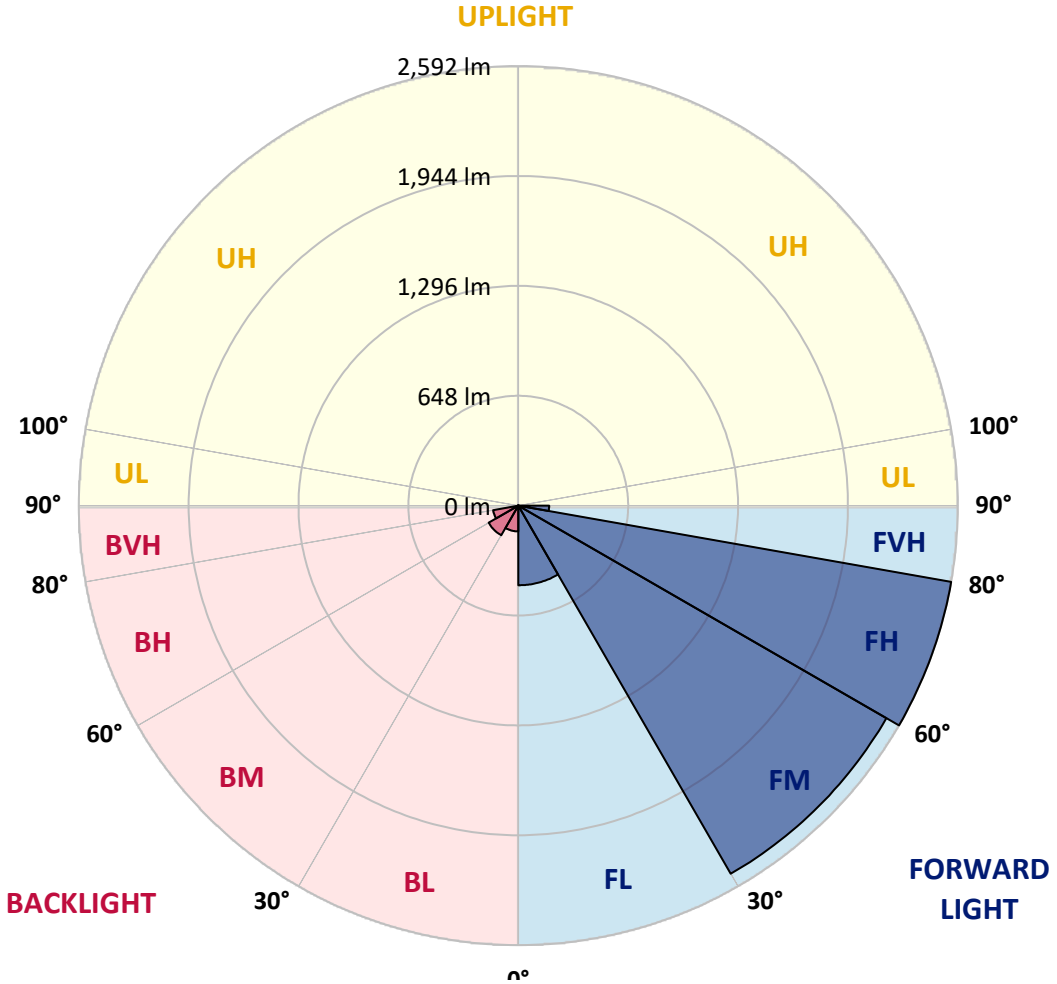
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	469.5	7.5			
FM	(30°-60°)	2506.0	40.0			
FH	(60°-80°)	2591.6	41.4			G2/5000
FVH	(80°-90°)	181.8	2.9			G2/225
BL	(0°-30°)	152.0	2.4	B1/500		
BM	(30°-60°)	201.9	3.2	B0/220		
BH	(60°-80°)	150.8	2.4	B1/500		G1/500
BVH	(80°-90°)	5.2	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°	1783.5	1783.5	1783.5	1783.5	1783.5	1783.5	1783.5	1783.5	1783.5	1783.5	1783.5
2.5°	1666.6	1729.1	1767.2	1802.5	1848.8	1895.0	1897.7	1900.4	1900.4	1900.4	1897.7
5°	1609.5	1614.9	1614.9	1614.9	1623.1	1631.3	1636.7	1639.4	1642.1	1642.1	1639.4
7.5°	1258.8	1359.4	1421.9	1481.7	1498.0	1514.4	1536.1	1555.1	1571.4	1585.0	1595.9
10°	1394.7	1405.6	1405.6	1402.9	1416.5	1427.4	1321.3	1212.6	1256.1	1299.6	1245.2
12.5°	1076.6	1131.0	1199.0	1264.2	1307.7	1351.2	1302.3	1253.4	1177.2	1098.4	1092.9
15°	1258.8	1266.9	1269.7	1272.4	1199.0	1122.9	1033.1	940.7	1003.2	1065.8	976.0
17.5°	967.9	976.0	1052.2	1128.3	1136.4	1144.6	1087.5	1027.7	897.2	766.7	889.0
20°	1158.2	1163.6	1163.6	1163.6	1019.5	875.4	886.3	894.5	935.3	976.0	946.1
22.5°	932.5	921.7	927.1	929.8	973.3	1014.1	929.8	842.8	905.4	965.2	913.5
25°	1166.4	1169.1	1152.8	1133.7	1005.9	875.4	921.7	965.2	891.8	815.6	889.0
27.5°	1054.9	1044.0	1005.9	967.9	986.9	1005.9	918.9	829.2	899.9	967.9	935.3
30°	1389.3	1383.9	1334.9	1283.3	1131.0	976.0	959.7	940.7	899.9	856.4	913.5
32.5°	1854.2	1788.9	1606.8	1421.9	1326.8	1228.9	1109.3	989.6	1003.2	1014.1	1022.3
35°	1957.5	1927.6	1848.8	1769.9	1623.1	1473.6	1310.4	1144.6	1106.5	1068.5	1090.2
37.5°	1984.7	1973.8	1963.0	1949.4	1775.4	1601.4	1438.2	1272.4	1242.5	1209.9	1185.4
40°	2011.9	2022.8	2055.4	2085.3	1922.2	1759.0	1606.8	1451.8	1416.5	1381.1	1318.6
42.5°	2120.6	2128.8	2177.7	2226.7	2069.0	1908.6	1775.4	1642.1	1590.5	1538.8	1481.7
45°	2351.7	2359.9	2387.1	2414.3	2267.5	2117.9	1971.1	1821.6	1780.8	1737.3	1672.0
47.5°	2672.5	2680.7	2667.1	2653.5	2485.0	2313.7	2139.7	1965.7	1952.1	1938.5	1870.5
50°	3039.6	3028.7	2955.3	2881.9	2697.0	2512.1	2308.2	2101.6	2112.5	2123.4	2074.4
52.5°	3208.1	3202.7	3118.4	3034.1	2843.8	2650.8	2438.7	2224.0	2262.0	2297.4	2270.2
55°	3197.3	3194.6	3137.5	3080.4	2900.9	2721.5	2523.0	2324.5	2411.5	2495.8	2479.5
57.5°	3077.6	3083.1	3074.9	3066.8	2909.1	2751.4	2591.0	2430.6	2561.1	2688.9	2710.6
60°	2890.1	2890.1	2930.8	2968.9	2876.5	2781.3	2648.1	2512.1	2691.6	2871.0	2925.4
62.5°	2498.5	2542.0	2629.0	2716.1	2746.0	2775.9	2667.1	2558.4	2805.8	3053.2	3132.0
65°	1924.9	1943.9	2101.6	2259.3	2406.1	2550.2	2558.4	2566.5	2944.4	3319.6	3346.8
67.5°	1117.4	1196.3	1370.3	1541.5	1829.7	2115.2	2262.0	2408.8	3004.2	3596.9	3626.8
70°	587.3	619.9	704.2	785.7	1044.0	1299.6	1663.9	2025.5	2865.6	3703.0	3964.0
72.5°	402.4	432.3	478.5	524.7	622.6	717.8	978.8	1237.0	2281.0	3325.1	4135.2
75°	*236.5*	*244.7*	*301.8*	*358.9*	*464.9*	*570.9*	*666.1*	*758.5*	*1451.8*	*2142.4*	*3455.6*
77.5°	95.2	103.3	127.8	152.3	301.8	448.6	546.5	644.3	810.2	976.0	2373.5
80°	51.7	51.7	62.5	70.7	135.9	198.5	367.0	535.6	617.2	698.7	1538.8
82.5°	29.9	29.9	38.1	43.5	68.0	92.4	209.3	326.3	481.2	633.5	1038.6
85°	10.9	10.9	13.6	16.3	32.6	46.2	76.1	103.3	299.1	492.1	598.1
87.5°	2.7	2.7	5.4	5.4	8.2	10.9	13.6	13.6	10.9	8.2	54.4
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°	1783.5	*1783.5*	1783.5	1783.5	1783.5	1783.5	1783.5	1783.5	1783.5	1783.5	1783.5
2.5°	1892.3	*1876.0*	1865.1	1846.0	1827.0	1810.7	1791.7	1767.2	1748.2	1723.7	1699.2
5°	1636.7	*1750.9*	1867.8	1856.9	1843.3	1805.3	1767.2	1723.7	1682.9	1634.0	1585.0
7.5°	1604.1	*1601.4*	1489.9	1547.0	1601.4	1557.9	1514.4	1465.4	1411.0	1315.9	1220.7
10°	1190.8	*1199.0*	1196.3	1209.9	1223.4	1258.8	1291.4	1220.7	1152.8	1003.2	851.0
12.5°	1087.5	*1139.2*	1152.8	1060.3	967.9	1005.9	1044.0	973.3	905.4	766.7	628.0
15°	883.6	*750.4*	940.7	1065.8	1188.1	1207.1	1223.4	1131.0	1022.3	831.9	638.9
17.5°	1008.7	*1054.9*	1000.5	1003.2	1003.2	1005.9	1008.7	924.4	815.6	671.5	527.4
20°	916.2	*902.6*	908.1	997.8	1087.5	1147.3	1204.4	1076.6	938.0	715.0	489.4
22.5°	861.8	*1038.6*	1114.7	1076.6	1038.6	943.4	845.5	747.7	633.5	522.0	407.8
25°	959.7	*867.3*	927.1	1073.9	1220.7	1220.7	1220.7	1052.2	864.6	625.3	386.1
27.5°	902.6	*1030.4*	1090.2	1207.1	1321.3	1370.3	1416.5	1201.7	954.3	657.9	358.9
30°	970.6	*1030.4*	1242.5	1476.3	1710.1	1669.3	1625.8	1351.2	1038.6	690.6	342.6
32.5°	1030.4	*1199.0*	1386.6	1563.3	1740.0	1693.8	1644.9	1340.4	989.6	622.6	255.6
35°	1112.0	*1220.7*	1394.7	1609.5	1824.3	1753.6	1680.2	1345.8	951.6	570.9	190.3
37.5°	1160.9	*1280.5*	1468.1	1693.8	1916.7	1829.7	1742.7	1370.3	918.9	532.9	146.8
40°	1253.4	*1373.0*	1560.6	1797.1	2033.6	1933.0	1829.7	1413.8	899.9	511.1	122.3
42.5°	1424.6	*1479.0*	1688.4	1938.5	2188.6	2082.6	1973.8	1506.2	894.5	500.3	106.0
45°	1604.1	*1639.4*	1824.3	2104.3	2381.6	2272.9	2161.4	1620.4	913.5	508.4	100.6
47.5°	1799.8	*1818.9*	1987.4	2335.4	2683.4	2533.9	2384.4	1778.1	954.3	524.7	95.2
50°	2025.5	*2025.5*	2188.6	2563.8	2939.0	2784.0	2629.0	1963.0	1005.9	549.2	92.4
52.5°	2240.3	*2270.2*	2395.2	2778.6	3161.9	3017.8	2871.0	2166.9	1073.9	581.8	87.0
55°	2460.5	*2555.6*	2601.9	2993.4	3384.9	3219.0	3053.2	2316.4	1114.7	598.1	81.6
57.5°	2732.4	*2833.0*	2857.4	3189.1	3520.8	3360.4	3197.3	2444.2	1144.6	611.7	78.8
60°	2979.8	*3094.0*	3142.9	3387.6	3629.6	3463.7	3297.9	2555.6	1171.8	622.6	70.7
62.5°	3208.1	*3295.1*	3371.3	3529.0	3686.7	3531.7	3374.0	2653.5	1188.1	625.3	62.5
65°	3374.0	*3452.8*	3561.6	3651.3	3741.0	3624.1	3507.2	2822.1	1234.3	641.6	46.2
67.5°	3654.0	*3662.2*	3724.7	3798.1	3871.5	3809.0	3746.5	3055.9	1288.7	663.4	35.3
70°	4222.2	*4129.8*	4048.2	4121.7	4192.3	4105.3	4018.3	3123.9	1163.6	595.4	27.2
72.5°	4945.4	*5100.4*	4706.2	4553.9	4399.0	4078.2	3754.6	2688.9	826.5	424.1	21.8
75°	*4768.7*	*5554.4*	*5165.7*	*4553.9*	*3942.2*	*3447.4*	*2949.9*	*2017.3*	*508.4*	*263.7*	*16.3*
77.5°	3768.2	*4611.0*	4472.4	3841.6	3208.1	2599.1	1990.1	1239.8	179.4	97.9	16.3
80°	2378.9	*3189.1*	3069.5	2495.8	1919.5	1364.8	810.2	377.9	68.0	43.5	19.0
82.5°	1443.7	*1900.4*	1492.6	935.3	377.9	266.4	155.0	81.6	21.8	19.0	16.3
85°	701.4	*785.7*	513.8	296.3	76.1	70.7	62.5	40.8	10.9	10.9	8.2
87.5°	97.9	*70.7*	43.5	29.9	13.6	13.6	13.6	8.2	8.2	8.2	5.4
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°	1783.5	1783.5	1783.5	1783.5	1783.5	1783.5	1783.5	1783.5	1783.5	1783.5	1783.5
2.5°	1680.2	1658.4	1634.0	1609.5	1582.3	1555.1	1476.3	1394.7	1351.2	1305.0	1294.1
5°	1495.3	1405.6	1294.1	1179.9	1131.0	1082.1	1057.6	1030.4	1014.1	995.1	978.8
7.5°	1095.7	967.9	967.9	965.2	924.4	883.6	837.4	788.4	758.5	728.6	649.8
10°	783.0	712.3	663.4	614.4	595.4	576.4	516.6	454.0	459.5	462.2	445.9
12.5°	606.3	581.8	492.1	402.4	372.5	342.6	323.5	304.5	277.3	250.1	231.1
15°	519.3	399.7	331.7	263.7	233.8	201.2	174.0	144.1	135.9	125.1	138.7
17.5°	426.8	323.5	258.3	193.0	149.5	106.0	111.5	116.9	127.8	138.7	144.1
20°	367.0	244.7	187.6	130.5	116.9	103.3	108.8	111.5	108.8	103.3	119.6
22.5°	299.1	190.3	144.1	95.2	97.9	100.6	92.4	84.3	100.6	116.9	116.9
25°	255.6	125.1	111.5	97.9	89.7	81.6	92.4	100.6	95.2	89.7	103.3
27.5°	233.8	108.8	95.2	81.6	84.3	87.0	84.3	78.8	87.0	95.2	92.4
30°	222.9	100.6	92.4	81.6	78.8	73.4	76.1	76.1	73.4	70.7	78.8
32.5°	179.4	103.3	89.7	73.4	70.7	65.3	62.5	59.8	62.5	65.3	68.0
35°	144.1	95.2	84.3	70.7	65.3	59.8	57.1	51.7	51.7	51.7	54.4
37.5°	116.9	87.0	76.1	62.5	57.1	51.7	48.9	43.5	43.5	43.5	43.5
40°	103.3	81.6	70.7	57.1	51.7	43.5	40.8	35.3	35.3	32.6	32.6
42.5°	89.7	73.4	62.5	48.9	43.5	38.1	32.6	27.2	27.2	24.5	24.5
45°	84.3	68.0	57.1	46.2	38.1	29.9	27.2	21.8	21.8	19.0	19.0
47.5°	81.6	65.3	54.4	40.8	32.6	24.5	21.8	16.3	16.3	16.3	16.3
50°	76.1	59.8	48.9	35.3	29.9	21.8	19.0	13.6	13.6	13.6	13.6
52.5°	73.4	57.1	43.5	29.9	24.5	16.3	13.6	10.9	10.9	10.9	10.9
55°	70.7	59.8	43.5	27.2	21.8	13.6	10.9	8.2	8.2	8.2	8.2
57.5°	68.0	57.1	40.8	21.8	16.3	10.9	8.2	5.4	5.4	5.4	5.4
60°	59.8	48.9	32.6	16.3	13.6	8.2	5.4	2.7	5.4	5.4	5.4
62.5°	51.7	38.1	27.2	13.6	10.9	5.4	5.4	2.7	5.4	5.4	5.4
65°	38.1	29.9	21.8	10.9	8.2	2.7	2.7	2.7	5.4	5.4	5.4
67.5°	29.9	21.8	16.3	8.2	5.4	2.7	2.7	2.7	5.4	5.4	5.4
70°	21.8	16.3	10.9	5.4	5.4	2.7	2.7	2.7	5.4	5.4	5.4
72.5°	16.3	10.9	8.2	5.4	5.4	2.7	5.4	5.4	5.4	5.4	5.4
75°	*13.6*	*10.9*	*8.2*	*5.4*	*5.4*	*2.7*	*5.4*	*5.4*	*8.2*	*8.2*	*8.2*
77.5°	13.6	8.2	8.2	5.4	5.4	2.7	5.4	8.2	8.2	8.2	8.2
80°	13.6	8.2	8.2	5.4	5.4	2.7	5.4	8.2	8.2	8.2	8.2
82.5°	13.6	8.2	8.2	5.4	5.4	2.7	5.4	8.2	8.2	8.2	8.2
85°	8.2	8.2	8.2	8.2	5.4	2.7	8.2	10.9	10.9	8.2	8.2
87.5°	5.4	5.4	8.2	8.2	5.4	2.7	8.2	10.9	10.9	8.2	8.2
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):

	165°	170°	175°	180°
0°	1783.5	1783.5	1783.5	1783.5
2.5°	1280.5	1266.9	1250.6	1283.3
5°	962.4	951.6	940.7	959.7
7.5°	570.9	573.7	573.7	543.8
10°	426.8	402.4	375.2	375.2
12.5°	212.1	195.8	179.4	176.7
15°	152.3	155.0	157.7	157.7
17.5°	149.5	144.1	135.9	130.5
20°	133.2	138.7	141.4	141.4
22.5°	116.9	114.2	108.8	108.8
25°	116.9	119.6	122.3	122.3
27.5°	89.7	89.7	87.0	87.0
30°	87.0	87.0	87.0	87.0
32.5°	68.0	70.7	70.7	70.7
35°	57.1	57.1	57.1	57.1
37.5°	43.5	43.5	43.5	40.8
40°	32.6	32.6	32.6	32.6
42.5°	24.5	24.5	24.5	24.5
45°	19.0	19.0	19.0	19.0
47.5°	16.3	16.3	13.6	13.6
50°	10.9	10.9	10.9	10.9
52.5°	8.2	8.2	8.2	8.2
55°	5.4	5.4	5.4	5.4
57.5°	5.4	5.4	5.4	5.4
60°	2.7	2.7	2.7	2.7
62.5°	2.7	2.7	2.7	2.7
65°	2.7	2.7	2.7	2.7
67.5°	2.7	2.7	2.7	2.7
70°	2.7	2.7	2.7	2.7
72.5°	5.4	5.4	2.7	2.7
75°	*5.4*	*5.4*	*2.7*	*2.7*
77.5°	5.4	5.4	2.7	2.7
80°	5.4	5.4	2.7	2.7
82.5°	5.4	5.4	2.7	2.7
85°	5.4	5.4	5.4	2.7
87.5°	5.4	5.4	5.4	2.7
90°	0.0	0.0	0.0	0.0

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(END OF REPORT)