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: P561082

Luminaire Tested: **SDL-PA1-80-740-U-SL3-HSS**

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:	P561082
	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-PA1-80-740-U-SL3-HSS
Description:	Springdale
	(1) 70 CRI, 4000K, 1050mA 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:	7791.3 lumens
Efficiency:	N/A
Efficacy:	95.0 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 - 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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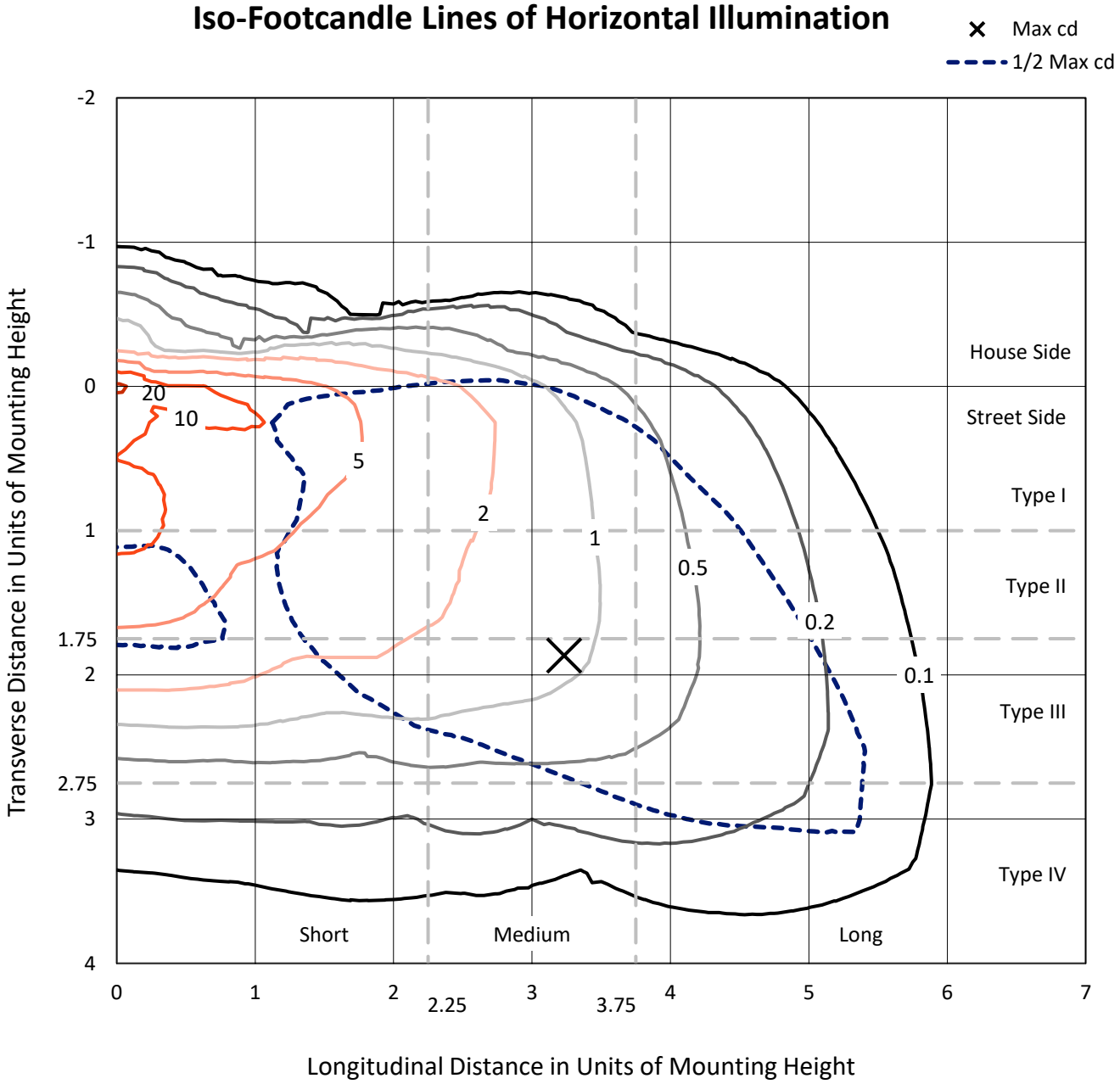
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 22.2 fc
Type IV - Medium - N/A

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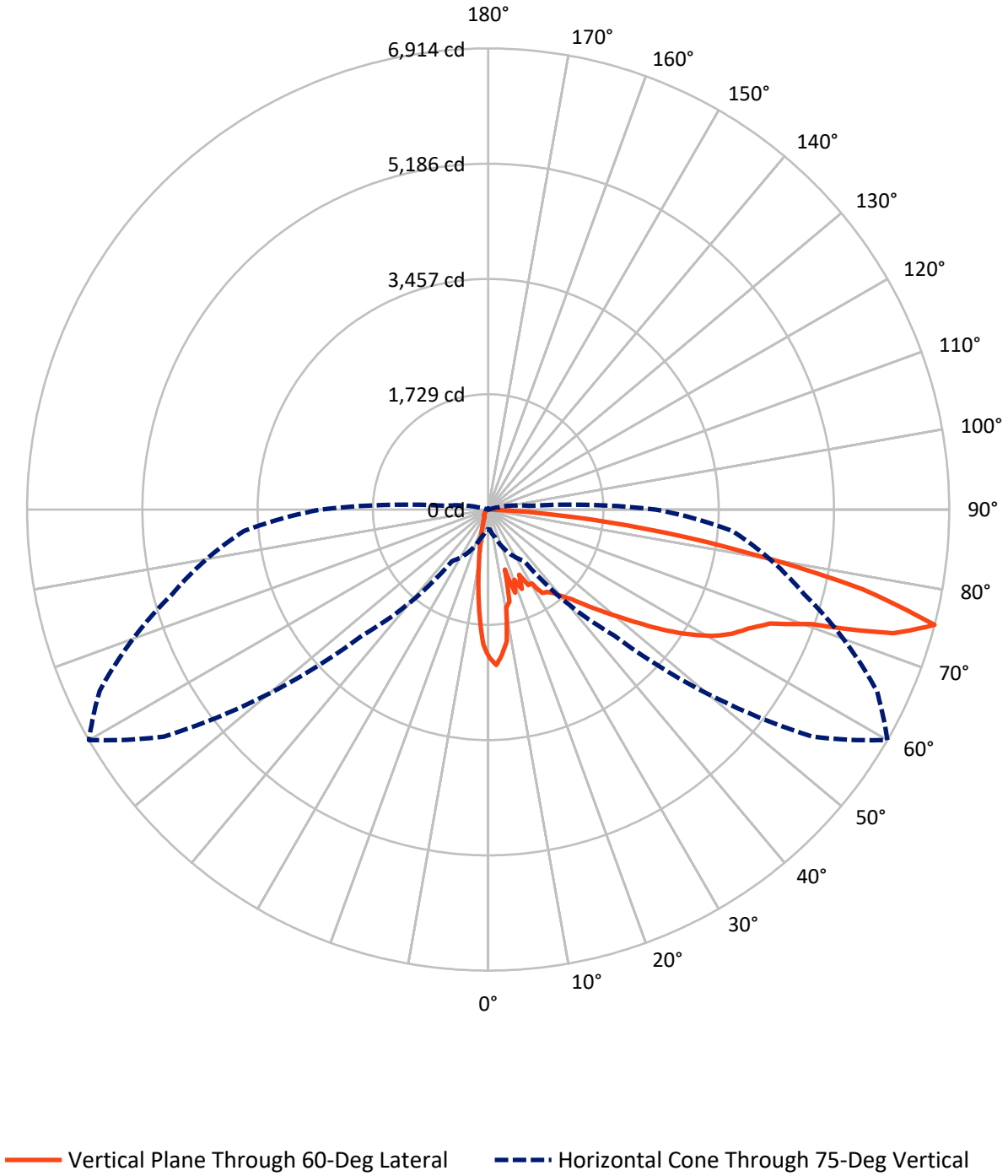
Luminous Intensity Polar Plot



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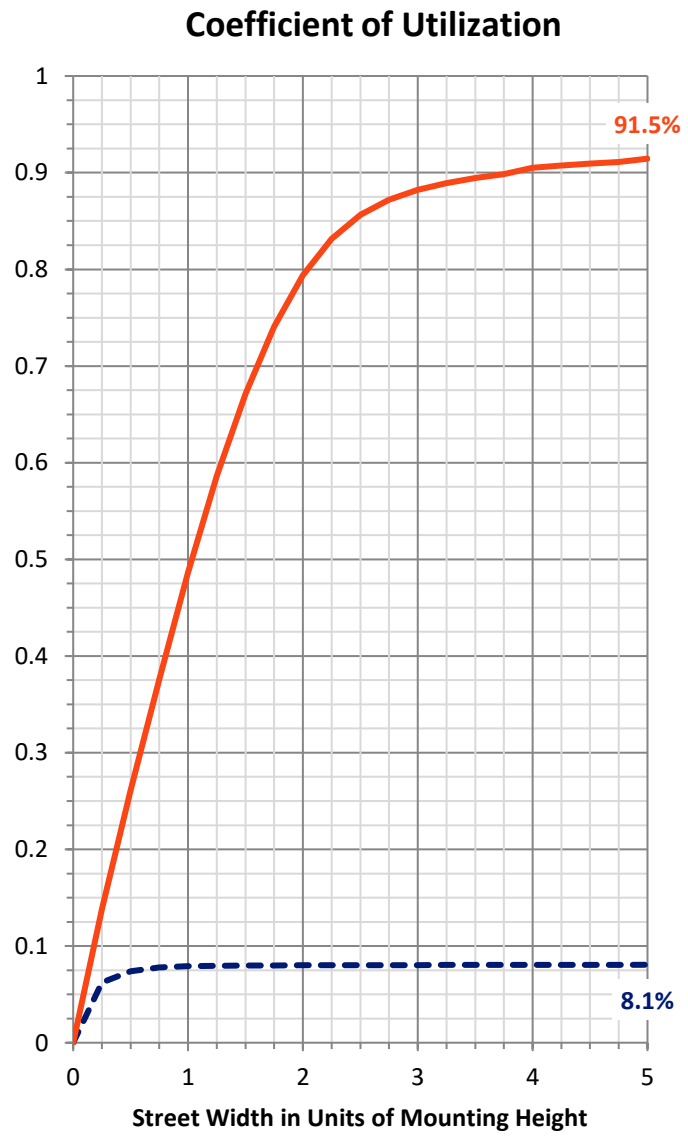
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	634.8	0.0	634.8
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	7156.5	0.0	7156.5
	% Fixture	91.9	0.0	91.9
Total	Lumens	7791.3	0.0	7791.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.6	2.0
10°-20°	254.9	3.3
20°-30°	365.2	4.7
30°-40°	650.3	8.3
40°-50°	1070.3	13.7
50°-60°	1650.4	21.2
60°-70°	1923.4	24.7
70°-80°	1490.5	19.1
80°-90°	232.7	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°	7791.3	100.0
0°-180°	7791.3	100.0



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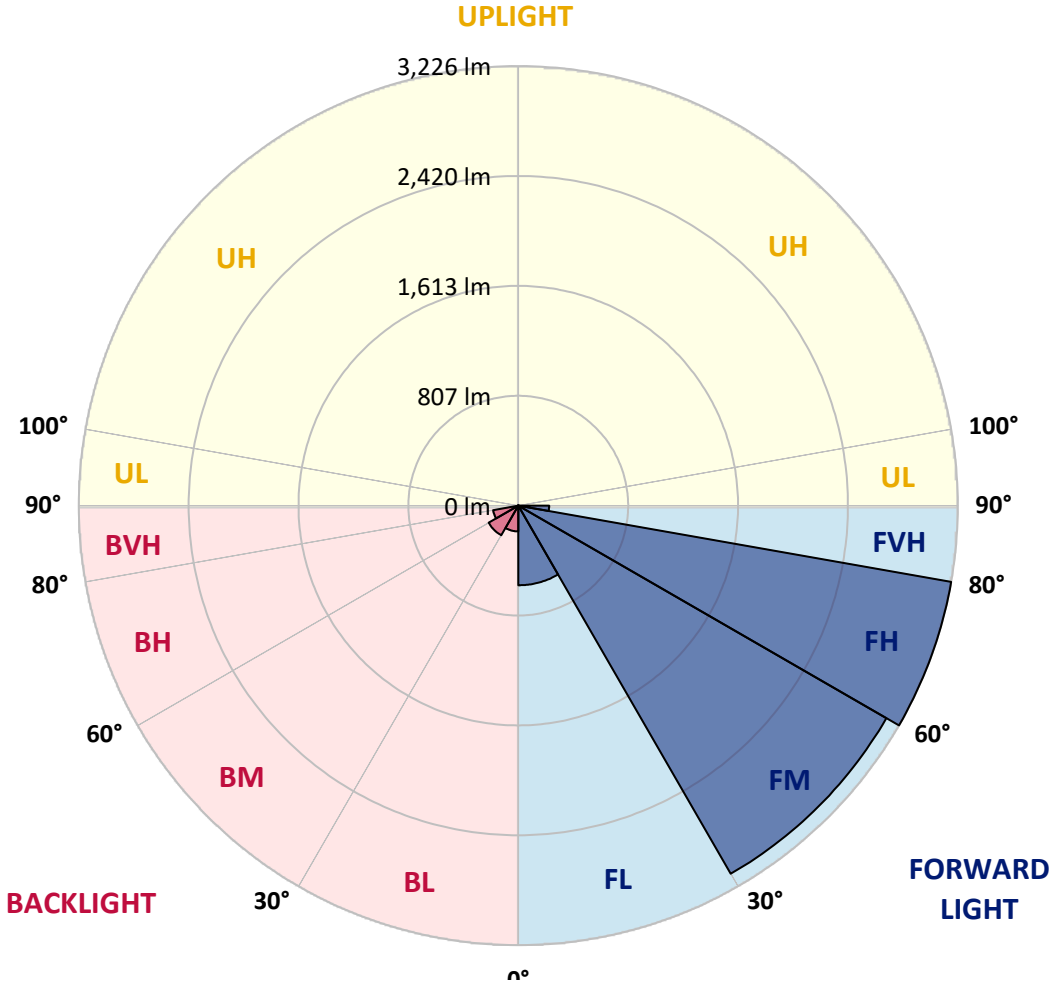
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	584.5	7.5			
FM	(30°-60°)	3119.6	40.0			
FH	(60°-80°)	3226.1	41.4			G2/5000
FVH	(80°-90°)	226.3	2.9			G3/500
BL	(0°-30°)	189.2	2.4	B1/500		
BM	(30°-60°)	251.3	3.2	B1/1000		
BH	(60°-80°)	187.8	2.4	B1/500		G1/500
BVH	(80°-90°)	6.4	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-G3
Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2220.2	2220.2	2220.2	2220.2	2220.2	2220.2	2220.2	2220.2	2220.2	2220.2	2220.2
2.5°	2074.6	2152.5	2199.9	2243.9	2301.4	2358.9	2362.3	2365.7	2365.7	2365.7	2362.3
5°	2003.6	2010.3	2010.3	2010.3	2020.5	2030.7	2037.4	2040.8	2044.2	2044.2	2040.8
7.5°	1567.0	1692.2	1770.1	1844.5	1864.8	1885.1	1912.2	1935.9	1956.2	1973.1	1986.7
10°	1736.2	1749.7	1749.7	1746.4	1763.3	1776.8	1644.8	1509.5	1563.6	1617.8	1550.1
12.5°	1340.2	1407.9	1492.5	1573.8	1627.9	1682.1	1621.1	1560.2	1465.5	1367.3	1360.5
15°	1567.0	1577.1	1580.5	1583.9	1492.5	1397.8	1286.1	1171.0	1248.9	1326.7	1215.0
17.5°	1204.9	1215.0	1309.8	1404.5	1414.7	1424.8	1353.8	1279.3	1116.9	954.4	1106.7
20°	1441.8	1448.5	1448.5	1448.5	1269.2	1089.8	1103.3	1113.5	1164.2	1215.0	1177.8
22.5°	1160.9	1147.3	1154.1	1157.5	1211.6	1262.4	1157.5	1049.2	1127.0	1201.5	1137.2
25°	1451.9	1455.3	1435.0	1411.3	1252.2	1089.8	1147.3	1201.5	1110.1	1015.3	1106.7
27.5°	1313.2	1299.6	1252.2	1204.9	1228.5	1252.2	1143.9	1032.2	1120.2	1204.9	1164.2
30°	1729.4	1722.7	1661.7	1597.4	1407.9	1215.0	1194.7	1171.0	1120.2	1066.1	1137.2
32.5°	2308.2	2226.9	2000.2	1770.1	1651.6	1529.8	1380.8	1231.9	1248.9	1262.4	1272.5
35°	2436.8	2399.6	2301.4	2203.3	2020.5	1834.4	1631.3	1424.8	1377.5	1330.1	1357.2
37.5°	2470.6	2457.1	2443.5	2426.6	2210.0	1993.4	1790.4	1583.9	1546.7	1506.1	1475.6
40°	2504.5	2518.0	2558.6	2595.8	2392.8	2189.7	2000.2	1807.3	1763.3	1719.3	1641.4
42.5°	2639.8	2650.0	2710.9	2771.8	2575.5	2375.9	2210.0	2044.2	1979.9	1915.6	1844.5
45°	2927.5	2937.7	2971.5	3005.4	2822.6	2636.5	2453.7	2267.6	2216.8	2162.6	2081.4
47.5°	3326.9	3337.0	3320.1	3303.2	3093.4	2880.1	2663.5	2446.9	2430.0	2413.1	2328.5
50°	3783.8	3770.2	3678.9	3587.5	3357.3	3127.2	2873.4	2616.2	2629.7	2643.2	2582.3
52.5°	3993.6	3986.8	3881.9	3777.0	3540.1	3299.8	3035.8	2768.5	2815.8	2859.8	2826.0
55°	3980.1	3976.7	3905.6	3834.5	3611.2	3387.8	3140.7	2893.7	3002.0	3106.9	3086.6
57.5°	3831.2	3837.9	3827.8	3817.6	3621.3	3425.0	3225.4	3025.7	3188.1	3347.2	3374.3
60°	3597.6	3597.6	3648.4	3695.8	3580.7	3462.3	3296.4	3127.2	3350.6	3573.9	3641.6
62.5°	3110.3	3164.4	3272.7	3381.0	3418.3	3455.5	3320.1	3184.7	3492.7	3800.7	3898.8
65°	2396.2	2419.9	2616.2	2812.5	2995.2	3174.6	3184.7	3194.9	3665.3	4132.4	4166.2
67.5°	1391.0	1489.1	1705.7	1919.0	2277.7	2633.1	2815.8	2998.6	3739.8	4477.6	4514.8
70°	731.0	771.6	876.6	978.1	1299.6	1617.8	2071.3	2521.4	3567.2	4609.6	4934.5
72.5°	500.9	538.1	595.7	653.2	775.0	893.5	1218.4	1539.9	2839.5	4139.1	5147.7
75°	*294.4*	*304.6*	*375.7*	*446.7*	*578.7*	*710.7*	*829.2*	*944.3*	*1807.3*	*2666.9*	*4301.6*
77.5°	118.5	128.6	159.1	189.5	375.7	558.4	680.3	802.1	1008.6	1215.0	2954.6
80°	64.3	64.3	77.8	88.0	169.2	247.1	456.9	666.7	768.3	869.8	1915.6
82.5°	37.2	37.2	47.4	54.2	84.6	115.1	260.6	406.1	599.0	788.6	1292.8
85°	13.5	13.5	16.9	20.3	40.6	57.5	94.8	128.6	372.3	612.6	744.6
87.5°	3.4	3.4	6.8	6.8	10.2	13.5	16.9	16.9	13.5	10.2	67.7
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°	2220.2	*2220.2*	2220.2	2220.2	2220.2	2220.2	2220.2	2220.2	2220.2	2220.2	2220.2
2.5°	2355.6	*2335.2*	2321.7	2298.0	2274.3	2254.0	2230.3	2199.9	2176.2	2145.7	2115.3
5°	2037.4	*2179.6*	2325.1	2311.6	2294.6	2247.3	2199.9	2145.7	2095.0	2034.0	1973.1
7.5°	1996.8	*1993.4*	1854.7	1925.7	1993.4	1939.3	1885.1	1824.2	1756.5	1638.1	1519.6
10°	1482.4	*1492.5*	1489.1	1506.1	1523.0	1567.0	1607.6	1519.6	1435.0	1248.9	1059.3
12.5°	1353.8	*1418.1*	1435.0	1319.9	1204.9	1252.2	1299.6	1211.6	1127.0	954.4	781.8
15°	1099.9	*934.1*	1171.0	1326.7	1479.0	1502.7	1523.0	1407.9	1272.5	1035.6	795.3
17.5°	1255.6	*1313.2*	1245.5	1248.9	1248.9	1252.2	1255.6	1150.7	1015.3	836.0	656.6
20°	1140.5	*1123.6*	1130.4	1242.1	1353.8	1428.2	1499.3	1340.2	1167.6	890.1	609.2
22.5°	1072.9	*1292.8*	1387.6	1340.2	1292.8	1174.4	1052.6	930.7	788.6	649.8	507.7
25°	1194.7	*1079.6*	1154.1	1336.8	1519.6	1519.6	1519.6	1309.8	1076.2	778.4	480.6
27.5°	1123.6	*1282.7*	1357.2	1502.7	1644.8	1705.7	1763.3	1495.9	1187.9	819.0	446.7
30°	1208.2	*1282.7*	1546.7	1837.7	2128.8	2078.0	2023.9	1682.1	1292.8	859.6	426.4
32.5°	1282.7	*1492.5*	1726.1	1946.0	2166.0	2108.5	2047.6	1668.5	1231.9	775.0	318.1
35°	1384.2	*1519.6*	1736.2	2003.6	2270.9	2182.9	2091.6	1675.3	1184.5	710.7	236.9
37.5°	1445.1	*1594.1*	1827.6	2108.5	2386.0	2277.7	2169.4	1705.7	1143.9	663.3	182.8
40°	1560.2	*1709.1*	1942.7	2237.1	2531.5	2406.3	2277.7	1759.9	1120.2	636.3	152.3
42.5°	1773.4	*1841.1*	2101.7	2413.1	2724.5	2592.5	2457.1	1875.0	1113.5	622.7	132.0
45°	1996.8	*2040.8*	2270.9	2619.5	2964.8	2829.4	2690.6	2017.1	1137.2	632.9	125.2
47.5°	2240.5	*2264.2*	2474.0	2907.2	3340.4	3154.3	2968.1	2213.4	1187.9	653.2	118.5
50°	2521.4	*2521.4*	2724.5	3191.5	3658.6	3465.6	3272.7	2443.5	1252.2	683.7	115.1
52.5°	2788.8	*2826.0*	2981.7	3458.9	3936.1	3756.7	3573.9	2697.4	1336.8	724.3	108.3
55°	3062.9	*3181.4*	3238.9	3726.2	4213.6	4007.2	3800.7	2883.5	1387.6	744.6	101.5
57.5°	3401.3	*3526.6*	3557.0	3969.9	4382.8	4183.1	3980.1	3042.6	1424.8	761.5	98.1
60°	3709.3	*3851.5*	3912.4	4217.0	4518.2	4311.7	4105.3	3181.4	1458.7	775.0	88.0
62.5°	3993.6	*4101.9*	4196.7	4393.0	4589.3	4396.4	4200.1	3303.2	1479.0	778.4	77.8
65°	4200.1	*4298.2*	4433.6	4545.3	4657.0	4511.4	4365.9	3513.0	1536.5	798.7	57.5
67.5°	4548.7	*4558.8*	4636.7	4728.0	4819.4	4741.6	4663.7	3804.1	1604.2	825.8	44.0
70°	5256.0	*5140.9*	5039.4	5130.8	5218.8	5110.5	5002.2	3888.7	1448.5	741.2	33.8
72.5°	6156.3	*6349.2*	5858.4	5668.9	5476.0	5076.6	4673.9	3347.2	1028.9	528.0	27.1
75°	*5936.3*	*6914.4*	*6430.4*	*5668.9*	*4907.4*	*4291.4*	*3672.1*	*2511.2*	*632.9*	*328.3*	*20.3*
77.5°	4690.8	*5740.0*	5567.4	4782.2	3993.6	3235.5	2477.4	1543.3	223.4	121.8	20.3
80°	2961.4	*3969.9*	3821.0	3106.9	2389.4	1699.0	1008.6	470.4	84.6	54.2	23.7
82.5°	1797.1	*2365.7*	1858.0	1164.2	470.4	331.7	192.9	101.5	27.1	23.7	20.3
85°	873.2	*978.1*	639.7	368.9	94.8	88.0	77.8	50.8	13.5	13.5	10.2
87.5°	121.8	*88.0*	54.2	37.2	16.9	16.9	16.9	10.2	10.2	10.2	6.8
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°	2220.2	2220.2	2220.2	2220.2	2220.2	2220.2	2220.2	2220.2	2220.2	2220.2	2220.2
2.5°	2091.6	2064.5	2034.0	2003.6	1969.7	1935.9	1837.7	1736.2	1682.1	1624.5	1611.0
5°	1861.4	1749.7	1611.0	1468.8	1407.9	1347.0	1316.5	1282.7	1262.4	1238.7	1218.4
7.5°	1363.9	1204.9	1204.9	1201.5	1150.7	1099.9	1042.4	981.5	944.3	907.0	808.9
10°	974.7	886.7	825.8	764.9	741.2	717.5	643.0	565.2	572.0	575.4	555.0
12.5°	754.7	724.3	612.6	500.9	463.7	426.4	402.7	379.1	345.2	311.4	287.7
15°	646.4	497.5	412.9	328.3	291.1	250.4	216.6	179.4	169.2	155.7	172.6
17.5°	531.4	402.7	321.5	240.3	186.1	132.0	138.8	145.5	159.1	172.6	179.4
20°	456.9	304.6	233.5	162.5	145.5	128.6	135.4	138.8	135.4	128.6	148.9
22.5°	372.3	236.9	179.4	118.5	121.8	125.2	115.1	104.9	125.2	145.5	145.5
25°	318.1	155.7	138.8	121.8	111.7	101.5	115.1	125.2	118.5	111.7	128.6
27.5°	291.1	135.4	118.5	101.5	104.9	108.3	104.9	98.1	108.3	118.5	115.1
30°	277.5	125.2	115.1	101.5	98.1	91.4	94.8	94.8	91.4	88.0	98.1
32.5°	223.4	128.6	111.7	91.4	88.0	81.2	77.8	74.5	77.8	81.2	84.6
35°	179.4	118.5	104.9	88.0	81.2	74.5	71.1	64.3	64.3	64.3	67.7
37.5°	145.5	108.3	94.8	77.8	71.1	64.3	60.9	54.2	54.2	54.2	54.2
40°	128.6	101.5	88.0	71.1	64.3	54.2	50.8	44.0	44.0	40.6	40.6
42.5°	111.7	91.4	77.8	60.9	54.2	47.4	40.6	33.8	33.8	30.5	30.5
45°	104.9	84.6	71.1	57.5	47.4	37.2	33.8	27.1	27.1	23.7	23.7
47.5°	101.5	81.2	67.7	50.8	40.6	30.5	27.1	20.3	20.3	20.3	20.3
50°	94.8	74.5	60.9	44.0	37.2	27.1	23.7	16.9	16.9	16.9	16.9
52.5°	91.4	71.1	54.2	37.2	30.5	20.3	16.9	13.5	13.5	13.5	13.5
55°	88.0	74.5	54.2	33.8	27.1	16.9	13.5	10.2	10.2	10.2	10.2
57.5°	84.6	71.1	50.8	27.1	20.3	13.5	10.2	6.8	6.8	6.8	6.8
60°	74.5	60.9	40.6	20.3	16.9	10.2	6.8	3.4	6.8	6.8	6.8
62.5°	64.3	47.4	33.8	16.9	13.5	6.8	6.8	3.4	6.8	6.8	6.8
65°	47.4	37.2	27.1	13.5	10.2	3.4	3.4	3.4	6.8	6.8	6.8
67.5°	37.2	27.1	20.3	10.2	6.8	3.4	3.4	3.4	6.8	6.8	6.8
70°	27.1	20.3	13.5	6.8	6.8	3.4	3.4	3.4	6.8	6.8	6.8
72.5°	20.3	13.5	10.2	6.8	6.8	3.4	6.8	6.8	6.8	6.8	6.8
75°	*16.9*	*13.5*	*10.2*	*6.8*	*6.8*	*3.4*	*6.8*	*6.8*	*10.2*	*10.2*	*10.2*
77.5°	16.9	10.2	10.2	6.8	6.8	3.4	6.8	10.2	10.2	10.2	10.2
80°	16.9	10.2	10.2	6.8	6.8	3.4	6.8	10.2	10.2	10.2	10.2
82.5°	16.9	10.2	10.2	6.8	6.8	3.4	6.8	10.2	10.2	10.2	10.2
85°	10.2	10.2	10.2	10.2	6.8	3.4	10.2	13.5	13.5	10.2	10.2
87.5°	6.8	6.8	10.2	10.2	6.8	3.4	10.2	13.5	13.5	10.2	10.2
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°	2220.2	2220.2	2220.2	2220.2
2.5°	1594.1	1577.1	1556.8	1597.4
5°	1198.1	1184.5	1171.0	1194.7
7.5°	710.7	714.1	714.1	676.9
10°	531.4	500.9	467.0	467.0
12.5°	264.0	243.7	223.4	220.0
15°	189.5	192.9	196.3	196.3
17.5°	186.1	179.4	169.2	162.5
20°	165.8	172.6	176.0	176.0
22.5°	145.5	142.1	135.4	135.4
25°	145.5	148.9	152.3	152.3
27.5°	111.7	111.7	108.3	108.3
30°	108.3	108.3	108.3	108.3
32.5°	84.6	88.0	88.0	88.0
35°	71.1	71.1	71.1	71.1
37.5°	54.2	54.2	54.2	50.8
40°	40.6	40.6	40.6	40.6
42.5°	30.5	30.5	30.5	30.5
45°	23.7	23.7	23.7	23.7
47.5°	20.3	20.3	16.9	16.9
50°	13.5	13.5	13.5	13.5
52.5°	10.2	10.2	10.2	10.2
55°	6.8	6.8	6.8	6.8
57.5°	6.8	6.8	6.8	6.8
60°	3.4	3.4	3.4	3.4
62.5°	3.4	3.4	3.4	3.4
65°	3.4	3.4	3.4	3.4
67.5°	3.4	3.4	3.4	3.4
70°	3.4	3.4	3.4	3.4
72.5°	6.8	6.8	3.4	3.4
75°	*6.8*	*6.8*	*3.4*	*3.4*
77.5°	6.8	6.8	3.4	3.4
80°	6.8	6.8	3.4	3.4
82.5°	6.8	6.8	3.4	3.4
85°	6.8	6.8	6.8	3.4
87.5°	6.8	6.8	6.8	3.4
90°	0.0	0.0	0.0	0.0

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(END OF REPORT)