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: P560941

Luminaire Tested: **SDL-PA1-70-750-U-T3**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560941
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-4)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-70-750-U-T3
Description:	Springdale
	(1) 70 CRI, 5000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8466.4 lumens
Efficiency:	N/A
Efficacy:	117.3 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:	B2 - U0 - G3

Input Watts (W):	72.2
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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Scaled Data Report

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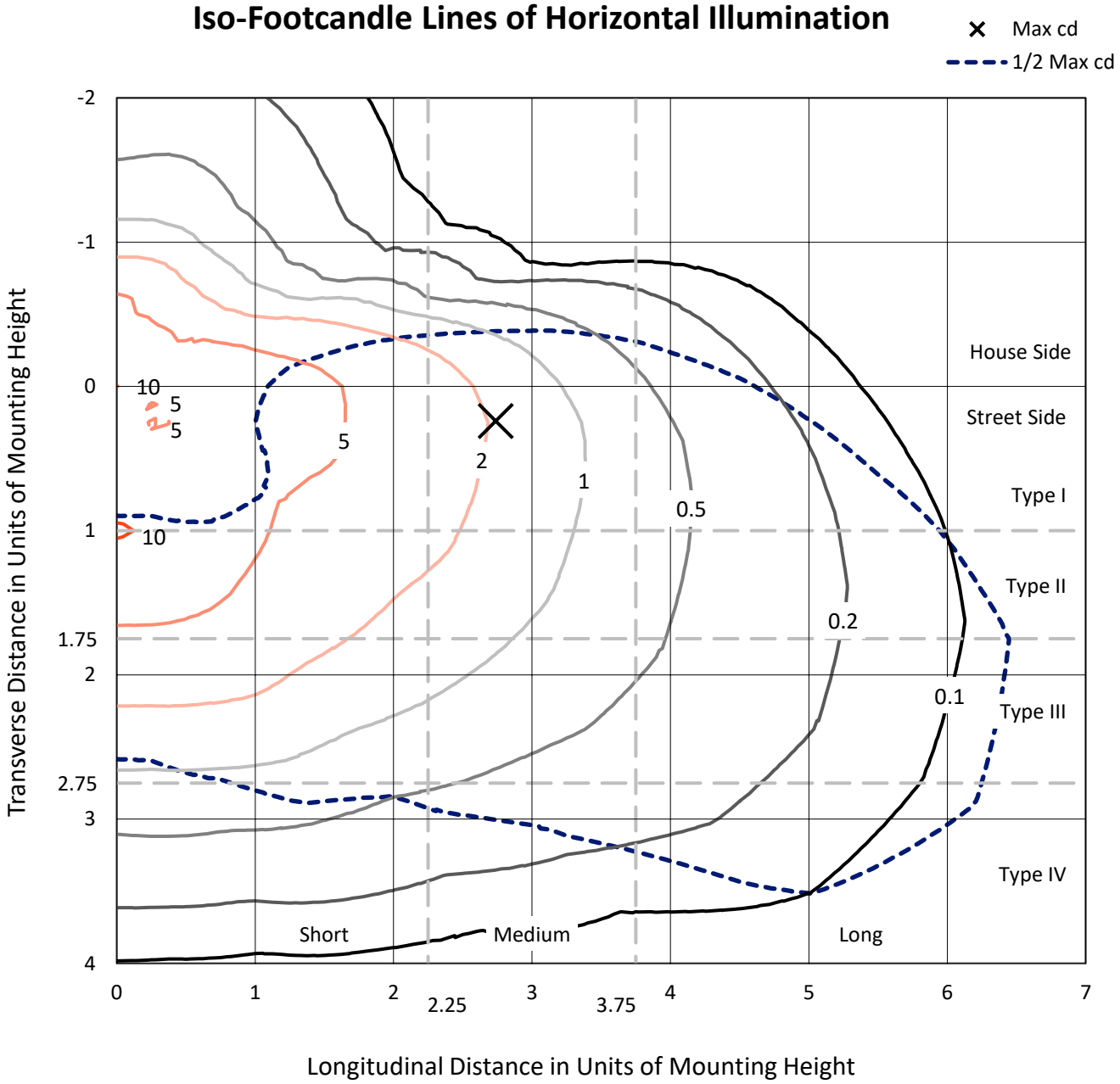
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 10.3 fc
Type IV - Medium - N/A

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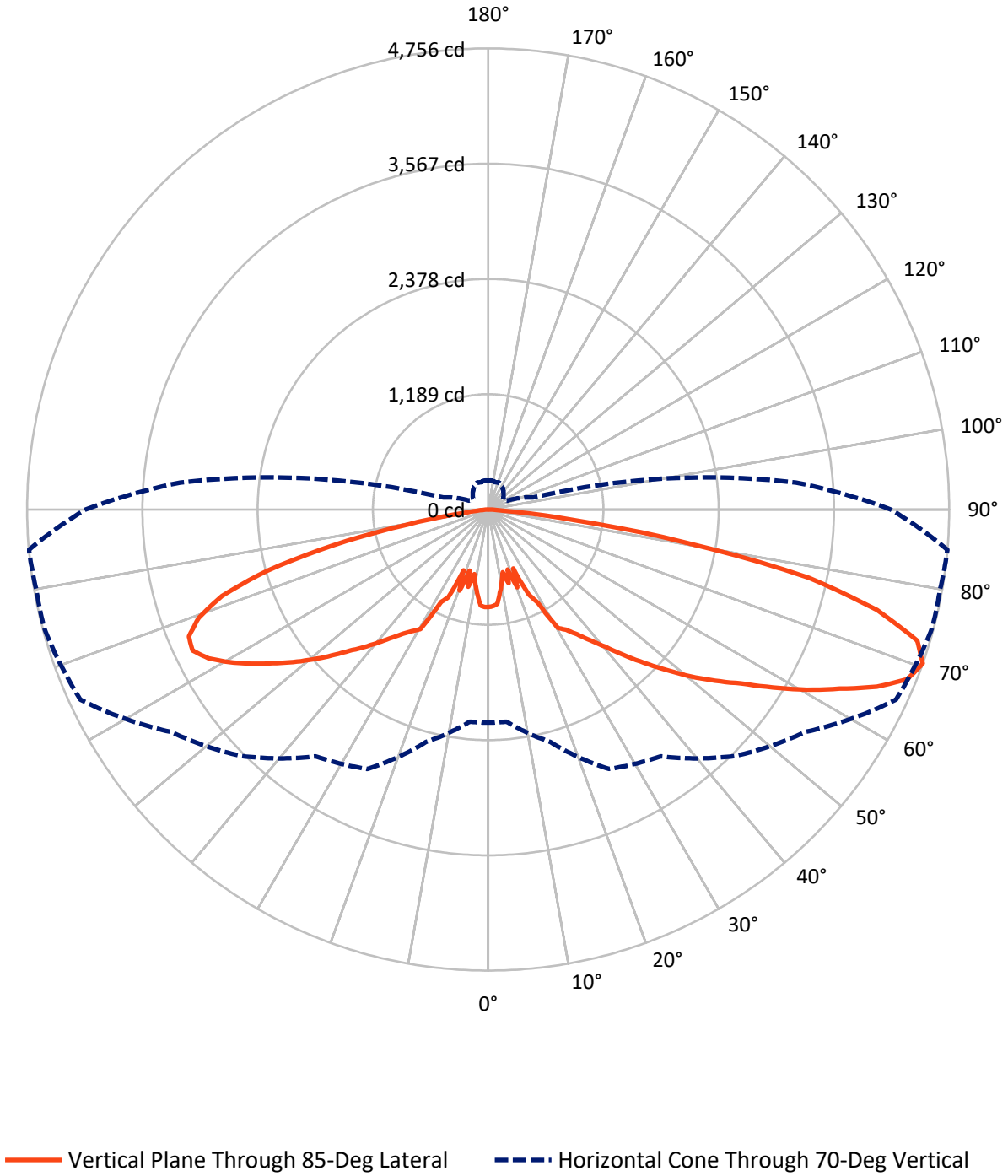
Luminous Intensity Polar Plot



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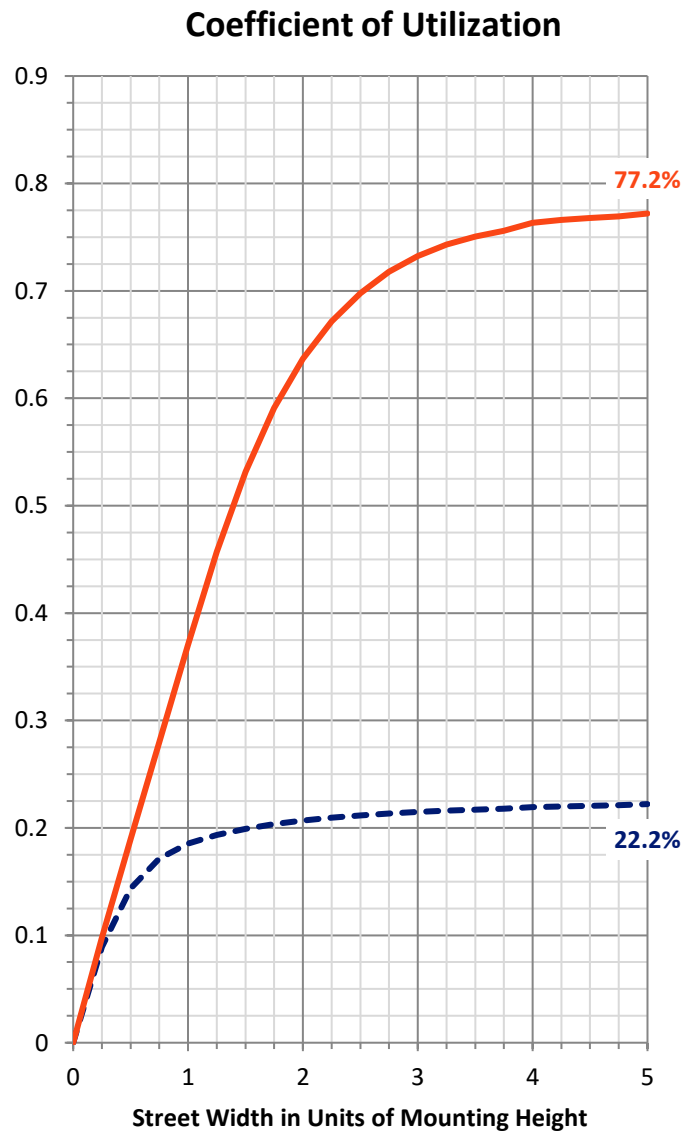
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1914.3	0.0	1914.3
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	6552.1	0.0	6552.1
	% Fixture	77.4	0.0	77.4
Total	Lumens	8466.4	0.0	8466.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.7	1.0
10°-20°	204.4	2.4
20°-30°	373.6	4.4
30°-40°	705.6	8.3
40°-50°	1149.4	13.6
50°-60°	1773.1	20.9
60°-70°	2173.4	25.7
70°-80°	1702.1	20.1
80°-90°	303.1	3.6
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°	8466.4	100.0
0°-180°	8466.4	100.0



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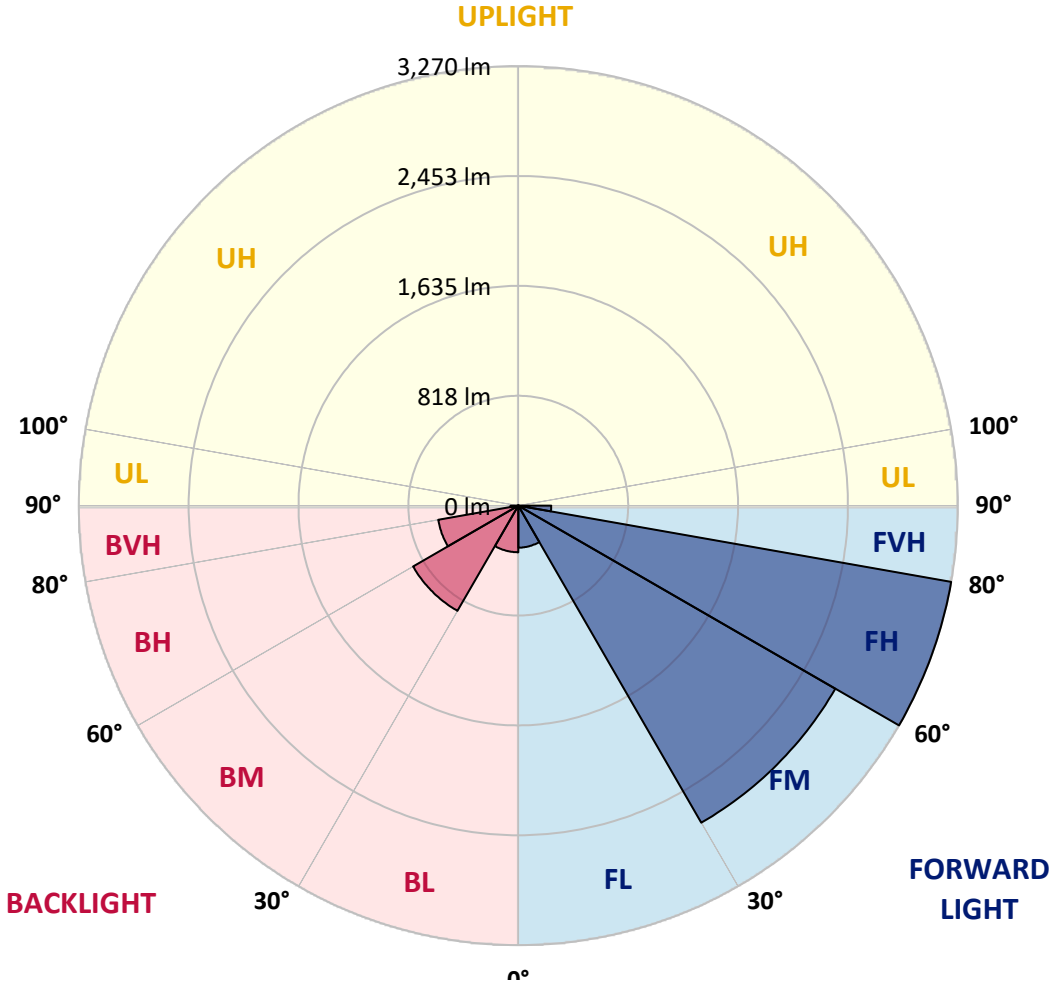
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	312.6	3.7			
FM	(30°-60°)	2723.8	32.2			
FH	(60°-80°)	3270.3	38.6			G2/5000
FVH	(80°-90°)	245.5	2.9			G3/500
BL	(0°-30°)	347.2	4.1	B1/500		
BM	(30°-60°)	904.3	10.7	B1/1000		
BH	(60°-80°)	605.2	7.1	B2/1000		G2/1000
BVH	(80°-90°)	57.6	0.7			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 IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1005.7	1005.7	1005.7	1005.7	1005.7	1005.7	1005.7	1005.7	1005.7	1005.7	1005.7
2.5°	829.3	903.6	903.6	903.6	919.0	931.4	937.6	940.7	953.1	962.4	968.6
5°	773.6	776.7	776.7	776.7	779.8	782.9	786.0	789.1	795.3	798.4	807.6
7.5°	649.8	662.2	687.0	708.6	724.1	739.6	751.9	761.2	767.4	773.6	776.7
10°	724.1	724.1	724.1	724.1	724.1	724.1	687.0	649.8	652.9	652.9	634.4
12.5°	606.5	625.1	652.9	677.7	699.3	717.9	693.1	668.4	622.0	575.6	575.6
15°	702.4	702.4	699.3	696.2	656.0	615.8	578.7	541.5	566.3	591.0	547.7
17.5°	603.4	606.5	643.6	677.7	671.5	662.2	628.2	591.0	532.2	470.4	532.2
20°	773.6	764.3	745.8	727.2	640.5	553.9	569.4	584.8	600.3	612.7	612.7
22.5°	711.7	717.9	730.3	742.7	733.4	721.0	631.3	541.5	594.1	646.7	600.3
25°	974.7	974.7	937.6	900.5	807.6	711.7	727.2	739.6	649.8	557.0	634.4
27.5°	900.5	894.3	878.8	860.2	878.8	894.3	813.8	730.3	755.0	779.8	714.8
30°	1197.5	1197.5	1182.1	1166.6	1033.5	897.4	888.1	875.7	823.1	767.4	804.5
32.5°	1435.8	1432.7	1361.5	1290.4	1216.1	1138.7	1058.3	974.7	968.6	962.4	956.2
35°	1720.5	1720.5	1680.3	1640.0	1476.0	1308.9	1213.0	1117.1	1089.2	1061.4	1083.0
37.5°	1881.4	1903.1	1887.6	1869.0	1689.5	1507.0	1373.9	1237.8	1209.9	1182.1	1191.3
40°	2104.2	2098.0	2094.9	2088.7	1881.4	1674.1	1531.7	1386.3	1367.7	1349.2	1349.2
42.5°	2441.5	2407.5	2370.3	2330.1	2119.7	1909.3	1751.4	1590.5	1556.5	1519.4	1522.5
45°	2905.7	2868.5	2781.9	2692.1	2478.6	2265.1	2054.7	1844.3	1785.5	1723.6	1717.4
47.5°	3190.3	3150.1	3106.8	3060.4	2831.4	2602.4	2385.8	2166.1	2079.4	1992.8	1958.8
50°	3484.3	3447.2	3413.1	3379.1	3178.0	2976.8	2760.2	2543.6	2407.5	2271.3	2212.5
52.5°	3762.8	3694.7	3660.7	3626.7	3456.5	3283.2	3057.3	2831.4	2729.3	2627.2	2500.3
55°	3899.0	3815.4	3803.0	3787.6	3660.7	3530.7	3314.1	3097.5	2983.0	2865.4	2738.6
57.5°	3707.1	3713.3	3781.4	3849.4	3778.3	3707.1	3502.9	3298.6	3184.1	3069.7	2973.7
60°	3533.8	3580.2	3663.8	3747.3	3753.5	3756.6	3648.3	3540.0	3413.1	3286.3	3212.0
62.5°	3295.5	3329.6	3459.6	3586.4	3682.3	3775.2	3663.8	3552.4	3509.1	3462.6	3416.2
65°	2973.7	2983.0	3131.5	3277.0	3450.3	3620.5	3533.8	3447.2	3521.4	3592.6	3598.8
67.5°	2580.7	2608.6	2754.0	2899.5	3109.9	3317.2	3314.1	3311.0	3468.8	3623.6	3731.9
70°	*2197.0*	*2197.0*	*2339.4*	*2481.7*	*2716.9*	*2952.1*	*3029.4*	*3106.8*	*3351.2*	*3595.7*	*3796.8*
72.5°	1655.5	1732.9	1807.1	1881.4	2144.4	2404.4	2574.6	2744.7	3109.9	3471.9	3778.3
75°	912.9	919.0	984.0	1049.0	1312.0	1575.1	1831.9	2088.7	2577.6	3066.6	3549.3
77.5°	300.2	290.9	328.0	362.0	516.8	668.4	885.0	1101.6	1640.0	2178.5	2955.2
80°	167.1	170.2	182.6	194.9	244.5	290.9	396.1	501.3	730.3	956.2	1878.3
82.5°	111.4	114.5	126.9	139.2	160.9	182.6	241.4	297.1	318.7	337.3	847.9
85°	71.2	74.3	80.5	86.6	92.8	95.9	136.2	176.4	160.9	145.4	253.7
87.5°	15.5	15.5	18.6	18.6	21.7	24.8	30.9	37.1	34.0	27.8	37.1
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°	1005.7	1005.7	1005.7	1005.7	1005.7	1005.7	*1005.7*	1005.7	1005.7	1005.7	1005.7
2.5°	971.6	977.8	980.9	984.0	987.1	993.3	*996.4*	999.5	1005.7	1008.8	1008.8
5°	816.9	872.6	925.2	943.8	962.4	971.6	*977.8*	987.1	993.3	999.5	1005.7
7.5°	779.8	782.9	786.0	807.6	829.3	847.9	*866.4*	872.6	888.1	878.8	866.4
10°	612.7	615.8	615.8	637.4	659.1	724.1	*767.4*	776.7	786.0	748.8	708.6
12.5°	572.5	587.9	603.4	594.1	584.8	631.3	*662.2*	674.6	680.8	656.0	631.3
15°	501.3	516.8	529.1	600.3	671.5	733.4	*789.1*	804.5	823.1	782.9	739.6
17.5°	594.1	587.9	578.7	591.0	603.4	618.9	*649.8*	659.1	659.1	671.5	683.9
20°	612.7	544.6	476.5	603.4	730.3	786.0	*857.2*	881.9	888.1	854.1	820.0
22.5°	550.8	628.2	705.5	690.1	674.6	659.1	*659.1*	668.4	677.7	683.9	690.1
25°	708.6	643.6	578.7	727.2	875.7	934.5	*968.6*	984.0	996.4	953.1	906.7
27.5°	649.8	736.5	820.0	885.0	950.0	1015.0	*1086.1*	1154.2	1070.7	1030.4	990.2
30°	838.6	909.8	980.9	1135.6	1290.4	1373.9	*1417.2*	1417.2	1417.2	1358.4	1296.6
32.5°	950.0	1073.8	1197.5	1281.1	1361.5	1445.1	*1479.1*	1479.1	1479.1	1408.0	1333.7
35°	1101.6	1200.6	1299.7	1395.6	1491.5	1556.5	*1581.2*	1572.0	1553.4	1457.5	1361.5
37.5°	1200.6	1333.7	1466.8	1565.8	1661.7	1701.9	*1711.2*	1683.4	1655.5	1528.6	1398.7
40°	1349.2	1494.6	1636.9	1742.2	1847.4	1881.4	*1862.8*	1825.7	1776.2	1606.0	1435.8
42.5°	1522.5	1667.9	1813.3	1937.1	2057.8	2079.4	*2051.6*	1992.8	1906.2	1674.1	1438.9
45°	1711.2	1856.6	1999.0	2138.2	2277.5	2293.0	*2255.8*	2169.2	2042.3	1739.1	1435.8
47.5°	1921.6	2036.1	2150.6	2348.7	2546.7	2528.1	*2472.4*	2373.4	2206.3	1816.4	1423.4
50°	2153.7	2243.4	2330.1	2577.6	2825.2	2769.5	*2707.6*	2599.3	2379.6	1906.2	1429.6
52.5°	2370.3	2457.0	2543.6	2800.4	3054.2	3001.6	*2933.5*	2837.6	2556.0	2002.1	1445.1
55°	2611.7	2704.5	2797.3	3069.7	3342.0	3252.2	*3165.6*	3103.7	2729.3	2082.5	1435.8
57.5°	2874.7	2992.3	3109.9	3360.5	3608.1	3512.2	*3462.6*	3382.2	2921.1	2178.5	1435.8
60°	3137.7	3280.1	3422.4	3642.1	3861.8	3784.5	*3775.2*	3663.8	3100.6	2249.6	1395.6
62.5°	3369.8	3583.3	3796.8	3970.1	4140.3	4066.1	*4069.2*	3939.2	3267.7	2265.1	1259.4
65°	3605.0	3880.4	4152.7	4279.6	4406.4	4353.8	*4406.4*	4174.4	3379.1	2203.2	1027.3
67.5°	3837.1	4140.3	4443.6	4539.5	4635.4	4604.5	*4666.4*	4251.7	3354.3	2042.3	727.2
70°	*3998.0*	*4319.8*	*4641.6*	*4691.1*	*4740.6*	*4734.4*	*4756.1*	*4155.8*	*3187.2*	*1835.0*	*479.6*
72.5°	4084.6	4387.9	4688.0	4709.7	4728.3	4719.0	*4629.2*	3855.6	2887.1	1609.1	331.1
75°	4028.9	4322.9	4616.9	4573.5	4530.2	4443.6	*4143.4*	3320.3	2367.2	1305.8	244.5
77.5°	3731.9	4050.6	4369.3	4257.9	4143.4	3889.7	*3385.3*	2487.9	1646.2	919.0	188.8
80°	2800.4	3193.4	3586.4	3453.4	3317.2	2781.9	*2060.9*	1392.5	851.0	498.2	145.4
82.5°	1355.4	1575.1	1794.8	1760.7	1726.7	1278.0	*891.2*	501.3	244.5	179.5	114.5
85°	359.0	532.2	705.5	674.6	643.6	340.4	*148.5*	130.0	95.9	89.7	80.5
87.5°	43.3	49.5	52.6	37.1	18.6	15.5	*15.5*	9.3	9.3	12.4	12.4
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°	1005.7	1005.7	1005.7	1005.7	1005.7	1005.7	1005.7	1005.7	1005.7	1005.7	1005.7
2.5°	1015.0	1018.1	1018.1	1018.1	1018.1	1018.1	993.3	968.6	962.4	956.2	943.8
5°	977.8	946.9	925.2	903.6	903.6	900.5	909.8	919.0	925.2	928.3	931.4
7.5°	869.5	872.6	891.2	906.7	922.1	934.5	943.8	950.0	943.8	934.5	897.4
10°	711.7	714.8	730.3	742.7	764.3	782.9	835.5	885.0	943.8	1002.6	1018.1
12.5°	677.7	721.0	696.2	671.5	739.6	804.5	872.6	937.6	984.0	1027.3	996.4
15°	690.1	640.5	649.8	659.1	742.7	826.2	776.7	724.1	847.9	971.6	999.5
17.5°	687.0	687.0	733.4	779.8	702.4	622.0	736.5	847.9	897.4	943.8	906.7
20°	733.4	643.6	677.7	708.6	770.5	829.3	779.8	730.3	748.8	767.4	888.1
22.5°	764.3	835.5	758.1	677.7	733.4	789.1	779.8	770.5	826.2	881.9	851.0
25°	798.4	687.0	742.7	795.3	733.4	668.4	717.9	764.3	748.8	733.4	829.3
27.5°	915.9	838.6	767.4	696.2	733.4	767.4	730.3	690.1	705.5	721.0	714.8
30°	1107.8	915.9	826.2	736.5	690.1	640.5	643.6	646.7	665.3	683.9	736.5
32.5°	1157.3	980.9	851.0	721.0	690.1	659.1	631.3	600.3	628.2	656.0	717.9
35°	1169.7	974.7	835.5	696.2	646.7	597.2	578.7	560.1	606.5	652.9	708.6
37.5°	1163.5	925.2	776.7	628.2	591.0	553.9	544.6	532.2	563.2	591.0	631.3
40°	1148.0	860.2	711.7	563.2	532.2	501.3	495.1	488.9	510.6	532.2	557.0
42.5°	1120.2	798.4	649.8	501.3	479.6	458.0	451.8	442.5	461.1	479.6	488.9
45°	1086.1	736.5	597.2	454.9	439.4	420.8	411.6	399.2	417.7	433.2	436.3
47.5°	1052.1	677.7	550.8	420.8	408.5	393.0	383.7	371.3	386.8	399.2	402.3
50°	1024.3	615.8	501.3	386.8	374.4	362.0	352.8	343.5	359.0	371.3	371.3
52.5°	1008.8	569.4	458.0	346.6	340.4	334.2	331.1	324.9	337.3	349.7	352.8
55°	971.6	504.4	408.5	309.4	312.5	312.5	309.4	303.3	328.0	349.7	359.0
57.5°	931.4	427.0	355.9	281.6	287.8	294.0	297.1	300.2	328.0	352.8	365.1
60°	878.8	362.0	309.4	256.8	266.1	272.3	287.8	300.2	324.9	349.7	355.9
62.5°	786.0	309.4	272.3	235.2	247.6	259.9	278.5	297.1	315.6	334.2	334.2
65°	649.8	269.2	244.5	216.6	235.2	250.6	272.3	294.0	309.4	321.8	318.7
67.5°	485.8	241.4	222.8	201.1	222.8	241.4	259.9	278.5	297.1	315.6	309.4
70°	*349.7*	*216.6*	*204.2*	*188.8*	*207.3*	*225.9*	*244.5*	*263.0*	*281.6*	*300.2*	*297.1*
72.5°	266.1	198.0	185.7	173.3	191.9	207.3	229.0	250.6	269.2	287.8	281.6
75°	213.5	179.5	170.2	157.8	176.4	194.9	216.6	235.2	253.7	272.3	266.1
77.5°	176.4	160.9	151.6	142.3	157.8	173.3	194.9	216.6	235.2	250.6	244.5
80°	142.3	136.2	130.0	120.7	139.2	154.7	176.4	194.9	210.4	225.9	216.6
82.5°	111.4	108.3	105.2	99.0	114.5	130.0	151.6	173.3	185.7	198.0	191.9
85°	83.5	83.5	80.5	77.4	89.7	99.0	111.4	120.7	133.1	142.3	136.2
87.5°	12.4	12.4	18.6	21.7	21.7	21.7	30.9	40.2	40.2	37.1	30.9
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°	1005.7	1005.7	1005.7	1005.7
2.5°	931.4	931.4	931.4	934.5
5°	934.5	937.6	937.6	943.8
7.5°	857.2	854.1	851.0	851.0
10°	1030.4	1036.6	1039.7	1045.9
12.5°	962.4	925.2	888.1	888.1
15°	1027.3	1033.5	1036.6	1042.8
17.5°	869.5	866.4	863.3	857.2
20°	1005.7	1011.9	1015.0	1015.0
22.5°	820.0	820.0	816.9	816.9
25°	925.2	925.2	925.2	931.4
27.5°	705.5	727.2	748.8	776.7
30°	789.1	792.2	795.3	795.3
32.5°	779.8	820.0	860.2	866.4
35°	764.3	764.3	761.2	764.3
37.5°	671.5	662.2	649.8	656.0
40°	578.7	557.0	535.3	532.2
42.5°	498.2	479.6	458.0	458.0
45°	439.4	427.0	411.6	405.4
47.5°	402.3	389.9	377.5	374.4
50°	368.2	355.9	343.5	343.5
52.5°	355.9	346.6	334.2	331.1
55°	368.2	349.7	331.1	324.9
57.5°	374.4	352.8	331.1	321.8
60°	359.0	346.6	331.1	318.7
62.5°	331.1	324.9	318.7	312.5
65°	312.5	312.5	309.4	303.3
67.5°	303.3	306.3	306.3	300.2
70°	*290.9*	*297.1*	*300.2*	*294.0*
72.5°	275.4	278.5	278.5	269.2
75°	256.8	253.7	250.6	244.5
77.5°	235.2	232.1	225.9	219.7
80°	207.3	204.2	201.1	191.9
82.5°	182.6	188.8	191.9	157.8
85°	126.9	114.5	102.1	83.5
87.5°	24.8	18.6	9.3	9.3
90°	0.0	0.0	0.0	0.0

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(END OF REPORT)