

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: P560761

Luminaire Tested: **SDL-PA1-60-750-U-T2U**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560761
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-8)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-60-750-U-T2U
Description: Springdale
(1) 70 CRI, 5000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7583.5 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B2 - 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

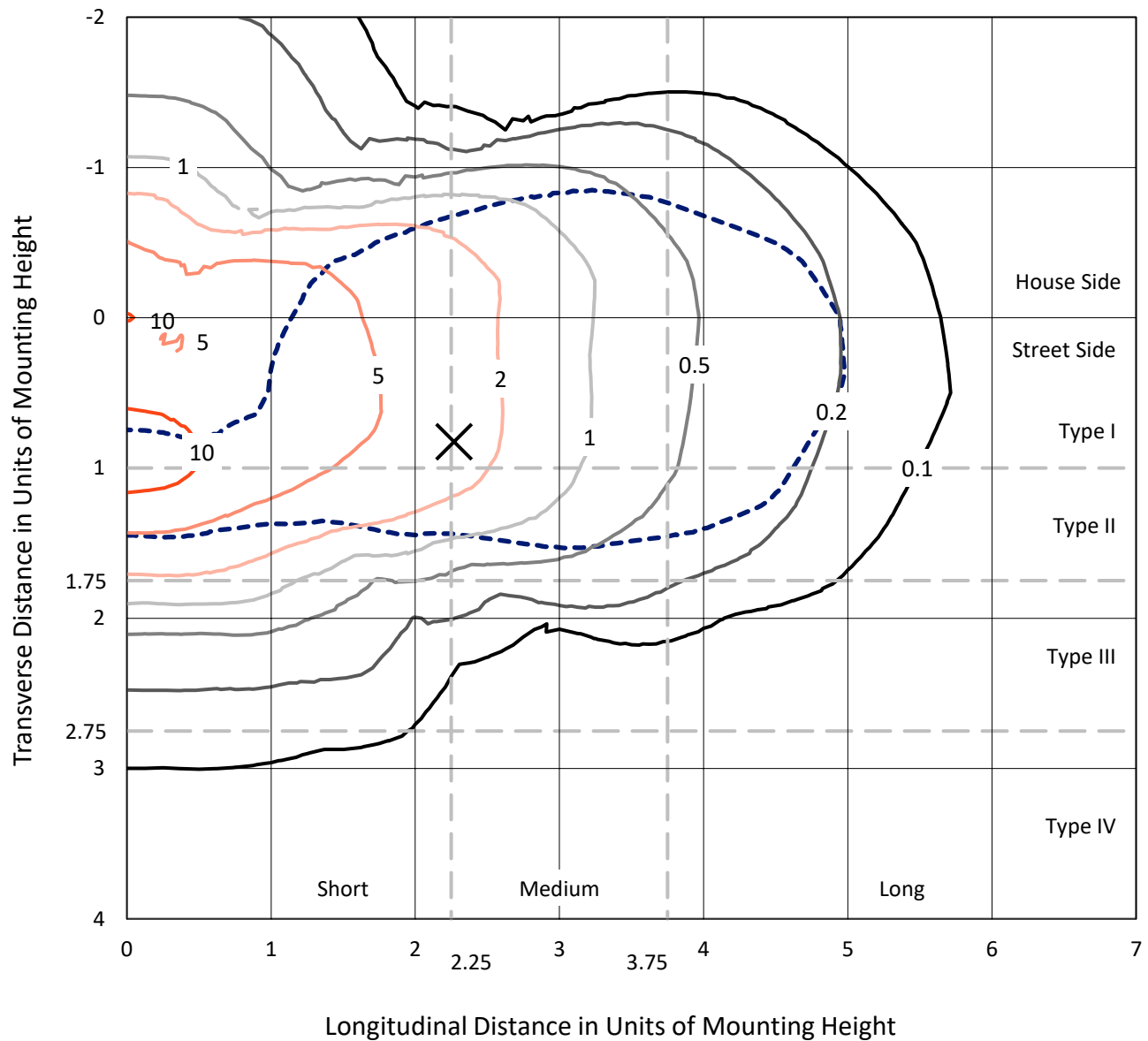


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

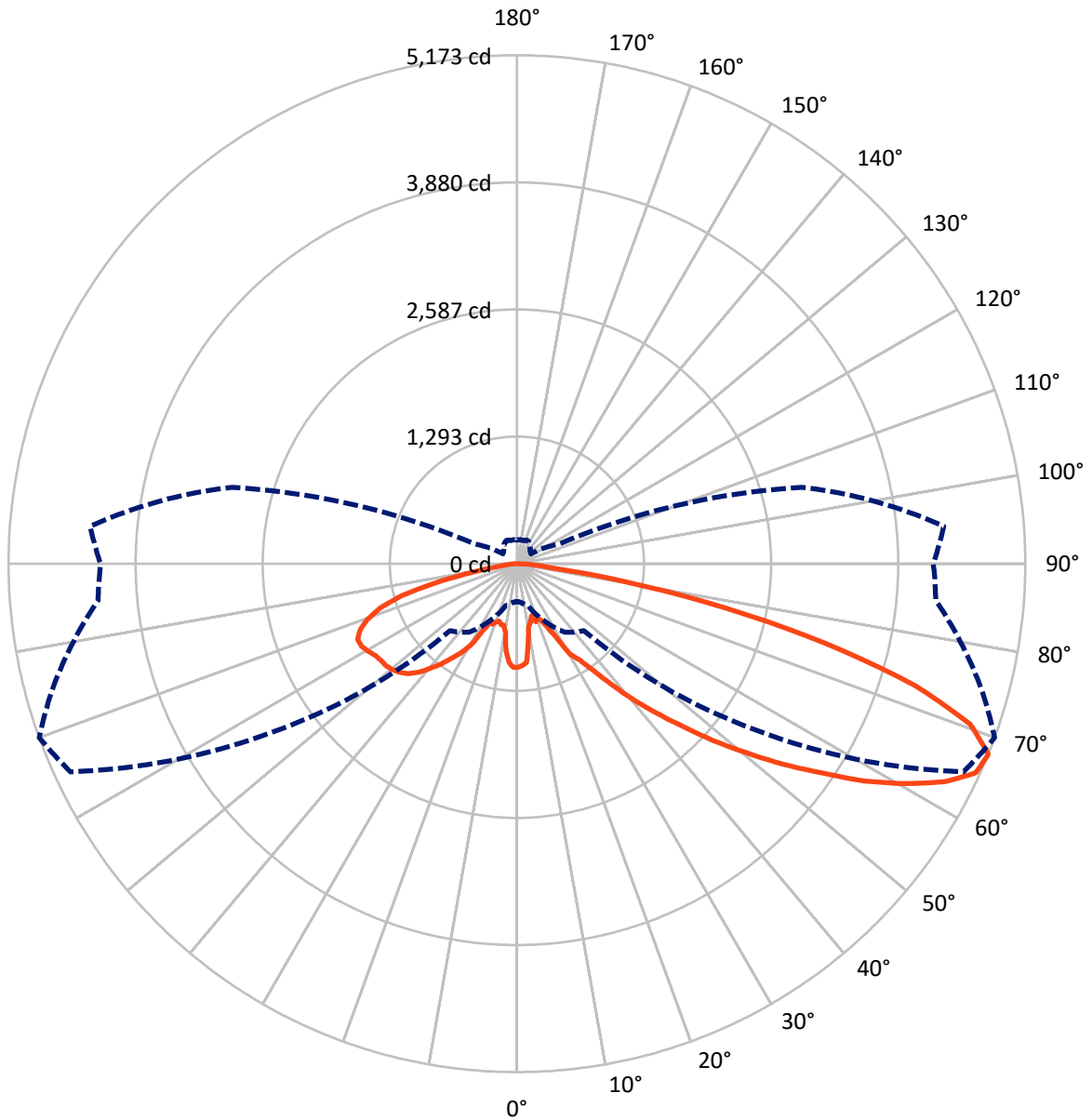


Based on 10 foot mounting height. Maximum calculated value = 13.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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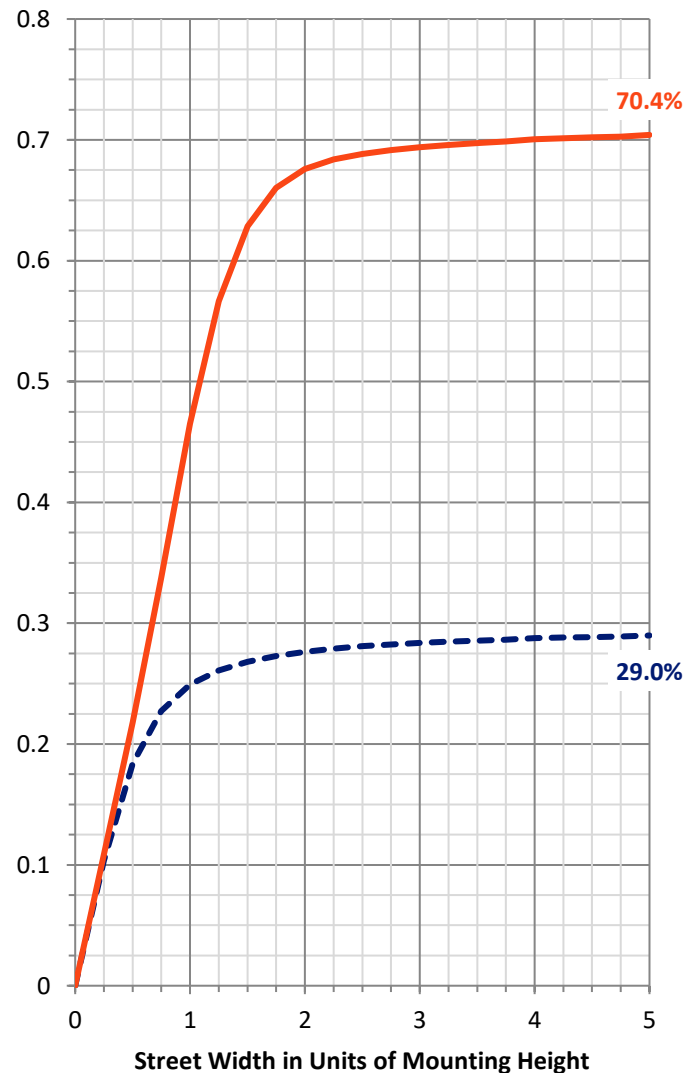
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2223.9	0.0	2223.9
	% Fixture	29.3	0.0	29.3
Street Side	Lumens	5359.6	0.0	5359.6
	% Fixture	70.7	0.0	70.7
Total	Lumens	7583.5	0.0	7583.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.6	1.1
10°-20°	198.6	2.6
20°-30°	352.8	4.7
30°-40°	745.7	9.8
40°-50°	1365.1	18.0
50°-60°	1862.3	24.6
60°-70°	1755.7	23.2
70°-80°	1062.6	14.0
80°-90°	156.1	2.1
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°	7583.5	100.0
0°-180°	7583.5	100.0

Coefficient of Utilization



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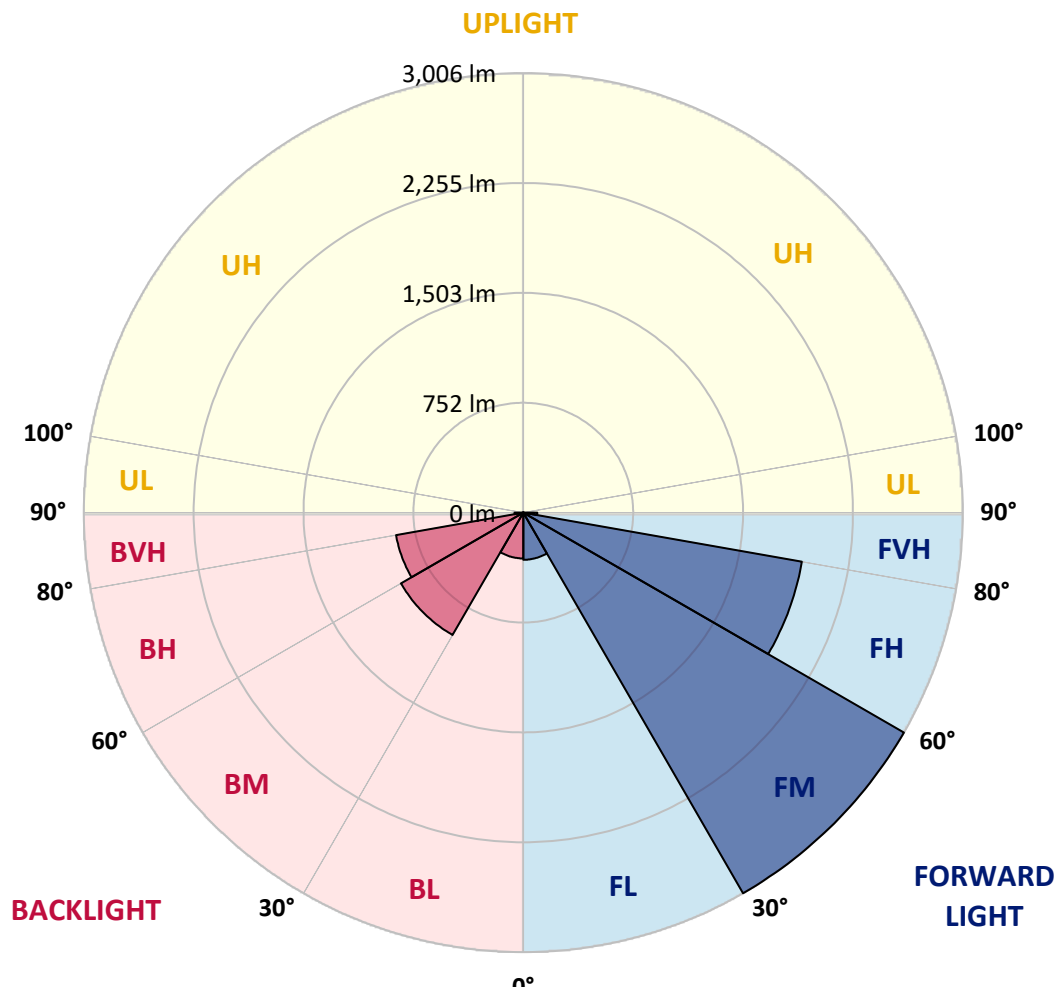
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	322.7	4.3			
FM	(30°-60°)	3006.4	39.6			
FH	(60°-80°)	1934.8	25.5			G2/5000
FVH	(80°-90°)	95.7	1.3			G1/100
BL	(0°-30°)	313.2	4.1	B1/500		
BM	(30°-60°)	966.8	12.7	B1/1000		
BH	(60°-80°)	883.5	11.7	B2/1000		G2/1000
BVH	(80°-90°)	60.4	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1055.9	1055.9	1055.9	1055.9	1055.9	1055.9	1055.9	1055.9	1055.9	1055.9	1055.9
2.5°	886.7	894.9	949.5	1004.1	1006.8	1006.8	1009.5	1012.3	1020.4	1025.9	1031.4
5°	826.7	832.2	832.2	832.2	834.9	837.6	840.4	840.4	845.8	848.5	854.0
7.5°	693.0	747.6	766.7	783.1	794.0	802.2	807.6	813.1	818.5	824.0	829.4
10°	788.5	788.5	791.2	791.2	791.2	788.5	734.0	676.7	703.9	731.2	690.3
12.5°	649.4	660.3	709.4	755.8	769.4	780.3	753.1	723.0	673.9	624.8	619.4
15°	772.2	772.2	772.2	769.4	720.3	668.5	616.6	562.1	594.8	627.5	578.4
17.5°	668.5	668.5	709.4	747.6	744.9	739.4	693.0	643.9	567.5	488.4	551.1
20°	843.1	840.4	826.7	810.3	709.4	608.4	630.3	652.1	657.6	660.3	641.2
22.5°	753.1	755.8	772.2	788.5	791.2	794.0	676.7	556.6	624.8	693.0	627.5
25°	1047.7	1042.3	1017.7	990.4	878.6	764.0	785.8	807.6	695.8	581.2	652.1
27.5°	995.9	979.5	968.6	957.7	976.8	995.9	892.2	785.8	810.3	834.9	744.9
30°	1424.2	1424.2	1397.0	1367.0	1197.8	1025.9	998.6	971.3	905.8	837.6	854.0
32.5°	1803.5	1803.5	1702.6	1598.9	1497.9	1397.0	1263.3	1129.6	1102.3	1072.3	1045.0
35°	2270.1	2256.4	2199.1	2139.1	1920.8	1702.6	1530.7	1358.8	1304.2	1249.6	1222.3
37.5°	2706.6	2676.6	2597.5	2515.6	2286.4	2054.5	1828.1	1601.6	1541.6	1481.5	1421.5
40°	3066.8	3050.4	2995.8	2938.5	2679.3	2420.1	2163.7	1904.5	1825.3	1746.2	1658.9
42.5°	3396.9	3383.3	3334.2	3282.3	3025.8	2766.6	2523.8	2278.3	2160.9	2043.6	1939.9
45°	3639.7	3617.9	3585.2	3549.7	3345.1	3137.7	2892.2	2643.9	2597.5	2551.1	2349.2
47.5°	3716.1	3677.9	3672.5	3667.0	3503.3	3339.6	3143.2	2946.7	2954.9	2963.1	2728.4
50°	3604.3	3547.0	3571.5	3596.1	3530.6	3462.4	3309.6	3156.8	3225.0	3290.5	3105.0
52.5°	3197.7	3184.1	3246.9	3306.9	3323.2	3339.6	3306.9	3271.4	3396.9	3522.4	3454.2
55°	2638.4	2698.4	2785.7	2873.1	2941.3	3006.7	3102.2	3197.7	3413.3	3628.8	3677.9
57.5°	2079.1	2141.8	2242.8	2343.7	2422.9	2502.0	2698.4	2894.9	3219.6	3544.3	3765.3
60°	1399.7	1465.2	1631.6	1795.3	1907.2	2019.1	2196.4	2373.7	2783.0	3192.3	3639.7
62.5°	933.1	911.3	1050.5	1186.9	1367.0	1547.0	1626.2	1702.6	2130.9	2556.6	3279.6
65°	573.0	575.7	630.3	682.1	881.3	1077.7	1140.5	1200.5	1443.3	1686.2	2671.1
67.5°	384.7	392.9	417.5	442.0	537.5	633.0	742.1	851.3	908.6	963.1	1948.1
70°	341.1	343.8	354.7	365.6	392.9	420.2	521.1	622.1	589.3	553.9	1105.0
72.5°	300.1	302.9	322.0	338.3	352.0	365.6	425.6	485.7	447.5	409.3	551.1
75°	245.6	253.7	272.8	289.2	316.5	341.1	354.7	368.3	349.2	327.4	354.7
77.5°	201.9	207.4	221.0	234.6	261.9	286.5	300.1	313.8	283.8	253.7	270.1
80°	158.2	161.0	171.9	182.8	204.6	223.7	240.1	253.7	226.5	196.4	204.6
82.5°	95.5	98.2	114.6	128.2	147.3	163.7	174.6	182.8	191.0	196.4	171.9
85°	51.8	51.8	62.8	73.7	76.4	79.1	90.0	98.2	122.8	144.6	125.5
87.5°	8.2	8.2	10.9	10.9	16.4	19.1	21.8	21.8	24.6	24.6	27.3
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°	1055.9	1055.9	1055.9	1055.9	1055.9	1055.9	1055.9	1055.9	1055.9	1055.9	1055.9
2.5°	1034.1	1036.8	1036.8	1036.8	1039.5	1042.3	1045.0	1045.0	1047.7	1050.5	1053.2
5°	859.5	930.4	998.6	1009.5	1017.7	1023.2	1028.6	1031.4	1036.8	1042.3	1045.0
7.5°	834.9	834.9	834.9	815.8	886.7	894.9	903.1	908.6	914.0	908.6	900.4
10°	646.6	646.6	643.9	649.4	679.4	731.2	780.3	785.8	791.2	747.6	701.2
12.5°	611.2	619.4	627.5	613.9	559.3	605.7	652.1	660.3	663.0	624.8	583.9
15°	526.6	529.3	532.0	551.1	663.0	709.4	755.8	764.0	772.2	731.2	687.6
17.5°	611.2	592.1	570.2	622.1	578.4	608.4	635.7	570.2	630.3	619.4	608.4
20°	622.1	556.6	488.4	581.2	679.4	725.8	769.4	774.9	777.6	744.9	709.4
22.5°	562.1	624.8	687.6	624.8	586.6	581.2	575.7	573.0	575.7	594.8	611.2
25°	723.0	643.9	564.8	709.4	799.4	821.3	843.1	832.2	826.7	785.8	744.9
27.5°	654.8	717.6	777.6	837.6	864.9	894.9	922.2	930.4	886.7	843.1	799.4
30°	867.6	905.8	941.3	1064.1	1154.1	1181.4	1208.7	1181.4	1165.0	1110.5	1053.2
32.5°	1015.0	1091.4	1167.8	1165.0	1249.6	1271.5	1290.6	1255.1	1225.1	1165.0	1102.3
35°	1195.1	1244.2	1293.3	1320.6	1405.2	1413.3	1421.5	1375.1	1331.5	1260.5	1189.6
37.5°	1361.5	1424.2	1484.3	1552.5	1626.2	1609.8	1590.7	1533.4	1462.4	1407.9	1353.3
40°	1568.9	1645.3	1721.7	1809.0	1852.6	1828.1	1800.8	1713.5	1645.3	1588.0	1530.7
42.5°	1833.5	1915.4	1994.5	2070.9	2087.3	2060.0	2030.0	1934.5	1830.8	1773.5	1713.5
45°	2144.6	2210.0	2275.5	2354.6	2387.4	2338.3	2286.4	2166.4	2043.6	1961.8	1879.9
47.5°	2491.1	2521.1	2551.1	2687.5	2731.2	2649.3	2564.7	2433.8	2261.9	2155.5	2046.3
50°	2919.4	2911.3	2900.3	3020.4	3121.3	2984.9	2845.8	2693.0	2523.8	2373.7	2221.0
52.5°	3386.0	3306.9	3225.0	3386.0	3435.1	3271.4	3107.7	2944.0	2774.8	2581.1	2384.7
55°	3727.1	3683.4	3639.7	3754.3	3748.9	3557.9	3364.2	3170.5	3031.3	2772.1	2512.9
57.5°	3983.5	4021.7	4057.2	4171.8	4040.8	3822.6	3604.3	3410.6	3290.5	2965.8	2641.1
60°	4084.5	4280.9	4474.7	4542.9	4343.7	4098.1	3849.8	3658.8	3557.9	3165.0	2772.1
62.5°	4002.6	4436.5	4870.3	4883.9	4622.0	4346.4	4070.8	3915.3	3863.5	3380.5	2894.9
65°	3656.1	4371.0	5083.1	5132.2	4837.5	4548.3	4256.4	4141.8	4174.5	3582.5	2987.6
67.5°	2930.4	3972.6	5012.2	5173.1	4889.4	4583.8	4278.2	4237.3	4360.1	3680.7	3001.3
70°	1656.2	3053.1	4447.4	4894.8	4744.8	4441.9	4136.3	4155.4	4338.2	3626.1	2914.0
72.5°	690.3	2111.8	3533.3	4234.5	4365.5	4109.0	3849.8	3920.8	4046.3	3369.6	2690.2
75°	382.0	1347.9	2313.7	3246.9	3650.7	3582.5	3511.5	3590.6	3530.6	2875.8	2221.0
77.5°	283.8	728.5	1173.2	2174.6	2747.5	2903.1	3055.9	3094.1	2758.5	2100.9	1443.3
80°	212.8	346.5	477.5	1110.5	1473.4	1751.7	2030.0	1858.1	1623.4	1135.0	646.6
82.5°	147.3	199.2	251.0	357.4	573.0	660.3	744.9	709.4	532.0	373.8	212.8
85°	103.7	131.0	158.2	196.4	245.6	196.4	147.3	120.1	139.2	128.2	117.3
87.5°	27.3	27.3	24.6	27.3	19.1	16.4	13.6	10.9	10.9	10.9	10.9
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°	1055.9	1055.9	1055.9	1055.9	1055.9	1055.9	1055.9	1055.9	1055.9	1055.9	1055.9
2.5°	1055.9	1058.6	1058.6	1058.6	1058.6	1055.9	1042.3	1028.6	995.9	963.1	952.2
5°	1009.5	974.1	946.8	919.5	919.5	919.5	924.9	930.4	933.1	935.9	938.6
7.5°	900.4	897.7	908.6	919.5	927.7	935.9	941.3	946.8	935.9	924.9	900.4
10°	703.9	703.9	717.6	728.5	747.6	766.7	821.3	875.8	922.2	968.6	976.8
12.5°	638.5	690.3	660.3	627.5	695.8	764.0	824.0	881.3	927.7	971.3	935.9
15°	641.2	592.1	603.0	613.9	687.6	761.2	706.7	649.4	758.5	864.9	889.5
17.5°	611.2	613.9	663.0	712.1	638.5	562.1	657.6	753.1	794.0	832.2	796.7
20°	627.5	543.0	600.3	657.6	709.4	758.5	709.4	657.6	671.2	684.8	777.6
22.5°	663.0	714.9	665.7	616.6	676.7	734.0	709.4	684.8	728.5	769.4	731.2
25°	660.3	573.0	654.8	736.7	682.1	624.8	654.8	684.8	663.0	638.5	709.4
27.5°	761.2	723.0	701.2	676.7	706.7	736.7	673.9	611.2	611.2	611.2	603.0
30°	952.2	851.3	807.6	761.2	687.6	613.9	592.1	570.2	573.0	575.7	616.6
32.5°	1064.1	1025.9	894.9	764.0	695.8	627.5	570.2	512.9	518.4	523.9	575.7
35°	1162.3	1132.3	957.7	780.3	668.5	553.9	504.8	452.9	477.5	499.3	543.0
37.5°	1274.2	1192.3	955.0	714.9	594.8	474.7	444.7	414.7	431.1	444.7	472.0
40°	1375.1	1216.9	930.4	641.2	521.1	398.4	384.7	368.3	382.0	395.6	412.0
42.5°	1484.3	1252.4	894.9	534.8	439.3	343.8	338.3	332.9	346.5	360.2	371.1
45°	1568.9	1257.8	848.5	436.6	373.8	311.0	311.0	308.3	322.0	332.9	338.3
47.5°	1623.4	1197.8	774.9	349.2	322.0	294.7	297.4	297.4	308.3	316.5	319.2
50°	1661.6	1099.6	703.9	308.3	294.7	281.0	281.0	281.0	291.9	300.1	305.6
52.5°	1688.9	990.4	638.5	283.8	278.3	270.1	270.1	267.4	281.0	294.7	297.4
55°	1697.1	878.6	573.0	264.7	259.2	253.7	259.2	261.9	278.3	291.9	294.7
57.5°	1716.2	791.2	518.4	245.6	242.8	240.1	248.3	256.5	272.8	289.2	289.2
60°	1754.4	734.0	480.2	226.5	226.5	226.5	240.1	251.0	267.4	283.8	281.0
62.5°	1789.9	682.1	444.7	207.4	210.1	212.8	229.2	245.6	261.9	278.3	275.6
65°	1795.3	600.3	395.6	191.0	196.4	199.2	218.3	237.4	253.7	270.1	264.7
67.5°	1735.3	469.3	322.0	174.6	182.8	188.3	210.1	229.2	245.6	259.2	253.7
70°	1626.2	335.6	248.3	161.0	169.2	174.6	196.4	215.5	229.2	242.8	237.4
72.5°	1465.2	240.1	193.7	147.3	152.8	158.2	177.3	196.4	212.8	226.5	221.0
75°	1208.7	193.7	163.7	133.7	139.2	141.9	161.0	177.3	193.7	207.4	199.2
77.5°	802.2	158.2	139.2	120.1	122.8	125.5	141.9	155.5	169.2	180.1	174.6
80°	387.4	128.2	117.3	103.7	106.4	106.4	120.1	133.7	144.6	152.8	150.1
82.5°	158.2	101.0	92.8	84.6	84.6	84.6	98.2	109.1	120.1	128.2	122.8
85°	98.2	79.1	73.7	65.5	62.8	60.0	65.5	70.9	76.4	79.1	76.4
87.5°	13.6	13.6	16.4	19.1	16.4	10.9	16.4	21.8	21.8	19.1	16.4
90°	0.0	0.0	8.2	8.2	5.5	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1055.9	1055.9	1055.9	1055.9
2.5°	941.3	941.3	941.3	946.8
5°	938.6	938.6	938.6	944.0
7.5°	875.8	848.5	821.3	824.0
10°	982.2	985.0	985.0	987.7
12.5°	897.7	854.0	810.3	815.8
15°	914.0	914.0	911.3	914.0
17.5°	761.2	747.6	734.0	734.0
20°	870.4	870.4	870.4	870.4
22.5°	693.0	690.3	687.6	690.3
25°	780.3	783.1	783.1	780.3
27.5°	594.8	630.3	663.0	665.7
30°	654.8	654.8	654.8	654.8
32.5°	627.5	654.8	682.1	684.8
35°	583.9	581.2	578.4	586.6
37.5°	496.6	491.1	485.7	485.7
40°	428.4	417.5	406.5	406.5
42.5°	379.3	371.1	360.2	357.4
45°	343.8	335.6	324.7	324.7
47.5°	319.2	313.8	308.3	305.6
50°	308.3	302.9	297.4	297.4
52.5°	300.1	297.4	291.9	291.9
55°	294.7	291.9	286.5	286.5
57.5°	289.2	286.5	281.0	281.0
60°	278.3	275.6	272.8	272.8
62.5°	270.1	267.4	264.7	264.7
65°	259.2	259.2	256.5	253.7
67.5°	245.6	245.6	245.6	240.1
70°	229.2	229.2	229.2	223.7
72.5°	212.8	212.8	210.1	201.9
75°	191.0	188.3	185.5	180.1
77.5°	169.2	163.7	158.2	155.5
80°	144.6	139.2	133.7	128.2
82.5°	114.6	111.9	106.4	92.8
85°	70.9	62.8	51.8	46.4
87.5°	13.6	10.9	8.2	2.7
90°	0.0	0.0	0.0	0.0



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