

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: P559884

Luminaire Tested: **SDL-PA1-100-750-U-T3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559884
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-2)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-100-750-U-T3-HSS
Description: Springdale
(1) 70 CRI, 5000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7650.3 lumens
Efficiency: N/A
Efficacy: 81.6 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): 93.8
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

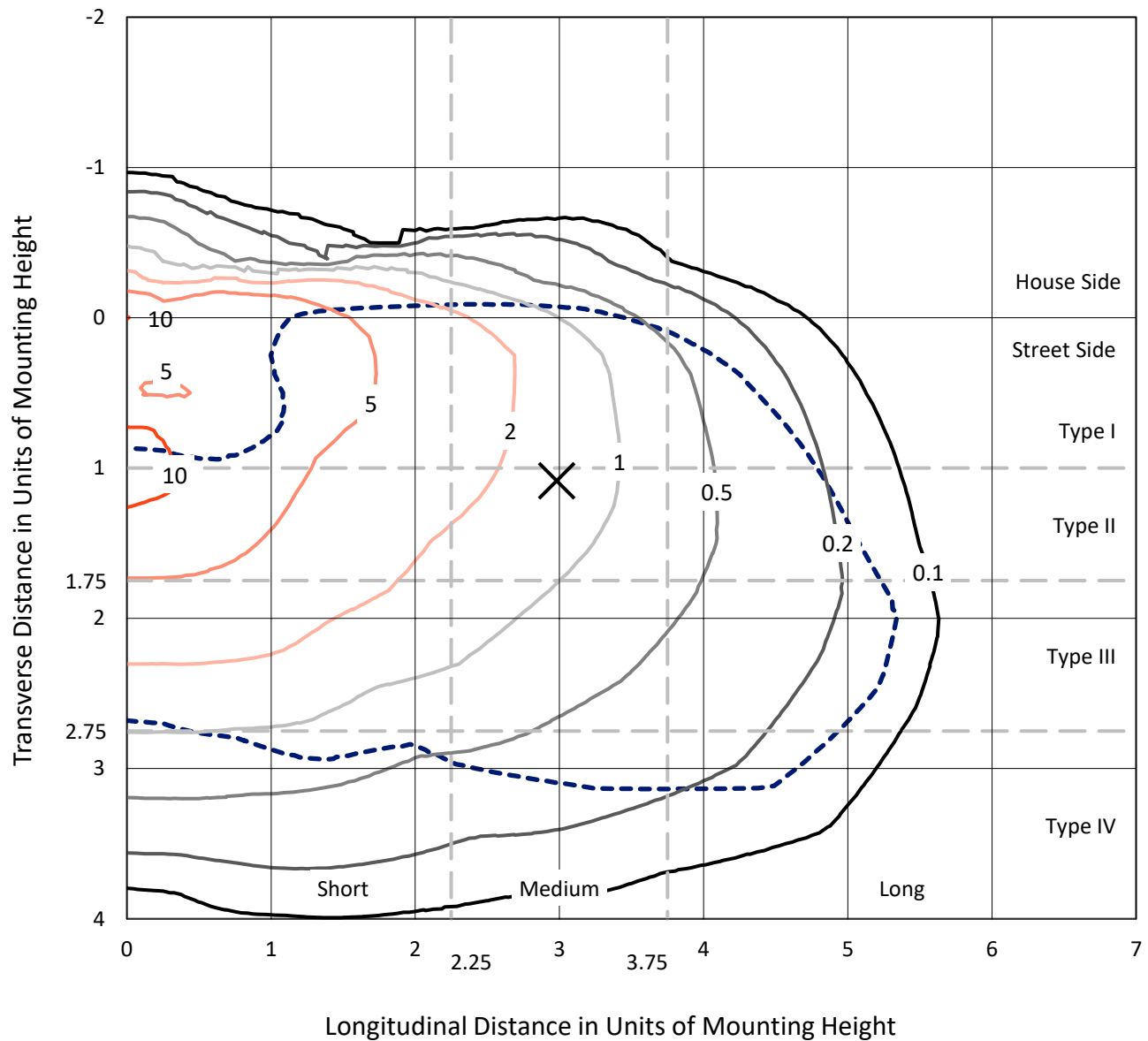


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

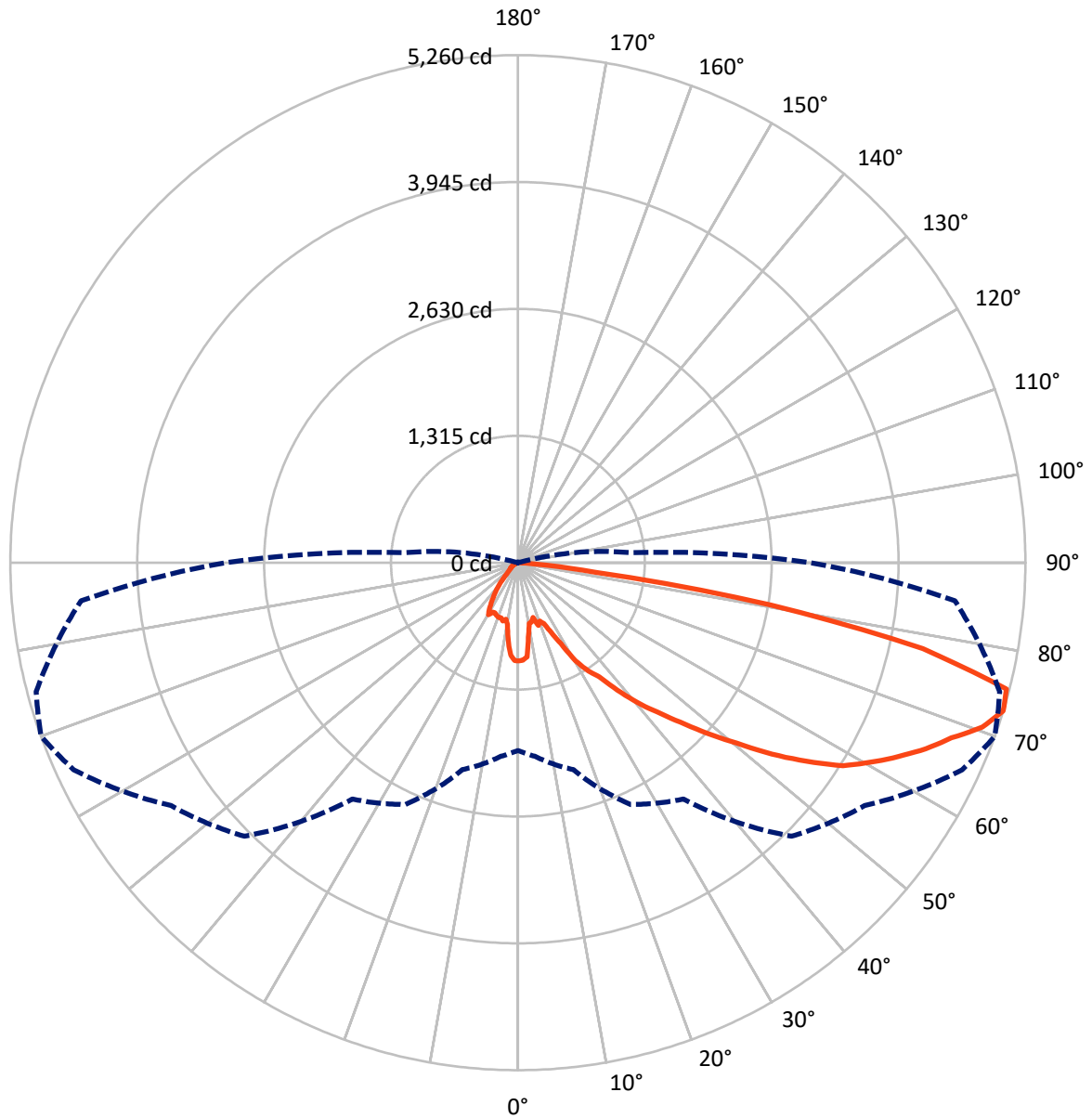


Based on 10 foot mounting height. Maximum calculated value = 12 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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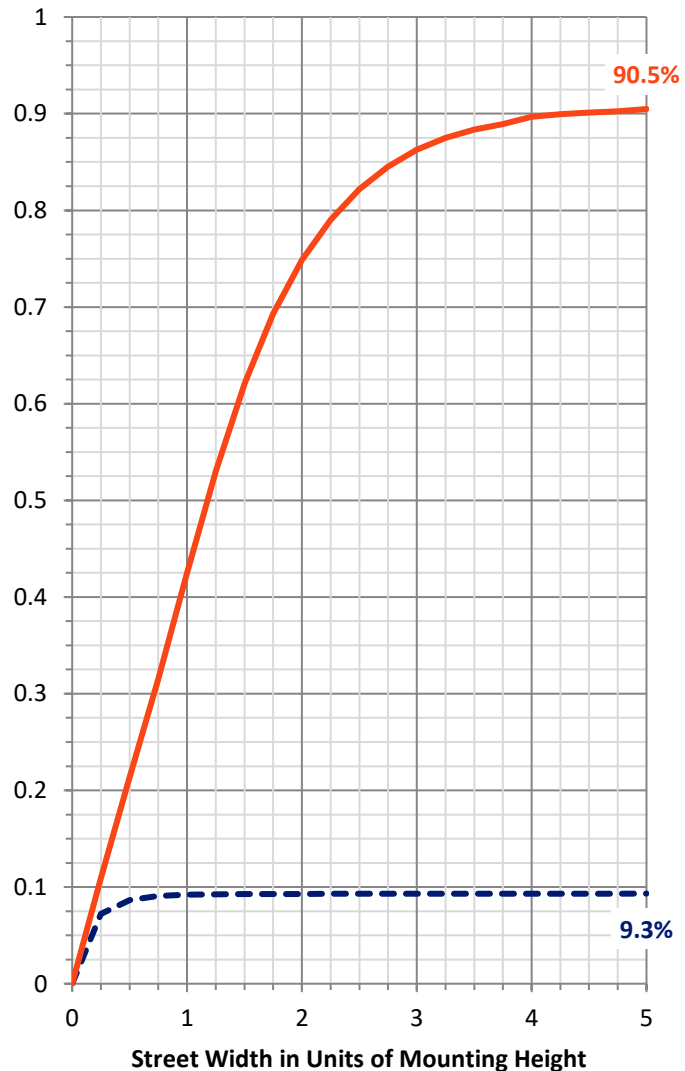
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	721.3	0.0	721.3
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	6929.0	0.0	6929.0
	% Fixture	90.6	0.0	90.6
Total	Lumens	7650.3	0.0	7650.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.3	1.0
10°-20°	156.6	2.0
20°-30°	255.3	3.3
30°-40°	544.6	7.1
40°-50°	1049.4	13.7
50°-60°	1735.6	22.7
60°-70°	2124.5	27.8
70°-80°	1556.4	20.3
80°-90°	149.5	2.0
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°	7650.3	100.0
0°-180°	7650.3	100.0



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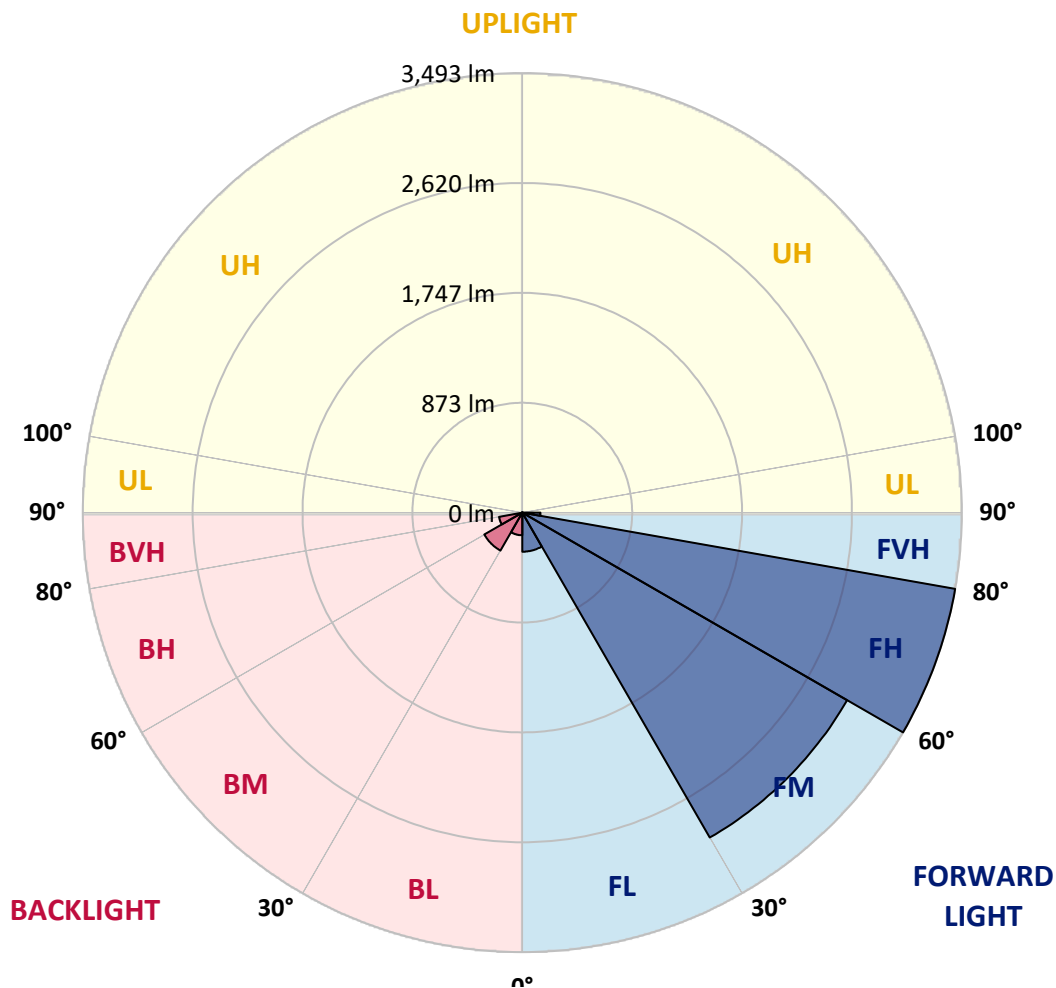
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	310.6	4.1			
FM	(30°-60°)	2981.1	39.0			
FH	(60°-80°)	3493.1	45.7			G2/5000
FVH	(80°-90°)	144.2	1.9			G2/225
BL	(0°-30°)	179.6	2.3	B1/500		
BM	(30°-60°)	348.6	4.6	B1/1000		
BH	(60°-80°)	187.8	2.5	B1/500		G1/500
BVH	(80°-90°)	5.3	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°	1018.1	1018.1	1018.1	1018.1	1018.1	1018.1	1018.1	1018.1	1018.1	1018.1	1018.1
2.5°	905.4	931.7	946.7	961.7	958.0	954.2	961.7	969.2	984.3	995.5	1003.1
5°	815.2	815.2	815.2	815.2	819.0	819.0	819.0	819.0	822.7	826.5	830.2
7.5°	706.3	721.3	728.8	736.3	755.1	770.1	785.2	800.2	807.7	811.5	815.2
10°	766.4	766.4	766.4	766.4	770.1	770.1	721.3	668.7	672.5	676.2	653.7
12.5°	634.9	631.1	672.5	710.0	736.3	758.9	732.6	702.5	657.4	608.6	601.1
15°	747.6	747.6	747.6	747.6	695.0	642.4	604.8	567.3	597.3	623.6	563.5
17.5°	589.8	604.8	649.9	695.0	695.0	695.0	661.2	627.4	563.5	495.9	567.3
20°	732.6	732.6	732.6	728.8	642.4	556.0	586.1	612.4	638.7	664.9	653.7
22.5°	608.6	601.1	612.4	623.6	649.9	672.5	597.3	518.4	604.8	687.5	646.2
25°	770.1	770.1	773.9	773.9	691.2	608.6	657.4	702.5	638.7	574.8	676.2
27.5°	695.0	672.5	668.7	661.2	687.5	710.0	676.2	642.4	713.8	785.2	751.4
30°	965.5	965.5	939.2	912.9	811.5	706.3	717.5	725.1	725.1	725.1	800.2
32.5°	1341.2	1344.9	1243.5	1138.3	1048.1	954.2	871.6	785.2	830.2	875.3	924.2
35°	1807.0	1818.3	1746.9	1671.8	1450.1	1228.5	1089.5	950.5	946.7	939.2	1010.6
37.5°	2141.4	2163.9	2107.5	2051.2	1788.2	1525.2	1326.1	1127.0	1108.2	1085.7	1112.0
40°	2456.9	2441.9	2408.1	2370.5	2092.5	1810.8	1592.9	1371.2	1322.4	1269.8	1273.5
42.5°	2866.4	2821.3	2734.9	2648.5	2381.8	2115.1	1882.1	1649.2	1570.3	1491.4	1476.4
45°	3396.1	3321.0	3197.0	3069.3	2806.3	2543.3	2257.8	1968.5	1870.9	1769.4	1746.9
47.5°	3666.6	3614.0	3535.1	3452.5	3182.0	2911.5	2637.3	2359.3	2224.0	2085.0	2047.4
50°	3985.9	3918.3	3865.7	3809.4	3576.4	3339.8	3084.3	2825.1	2644.8	2464.4	2400.6
52.5°	4290.2	4177.5	4128.7	4076.1	3892.0	3704.2	3437.4	3170.7	3054.3	2934.0	2780.0
55°	4399.2	4290.2	4267.7	4245.2	4113.7	3982.2	3738.0	3493.8	3358.6	3219.6	3095.6
57.5°	4162.5	4177.5	4245.2	4312.8	4237.6	4162.5	3963.4	3760.5	3610.3	3460.0	3388.6
60°	4001.0	4034.8	4136.2	4237.6	4237.6	4237.6	4128.7	4019.7	3877.0	3734.2	3685.4
62.5°	3741.7	3783.1	3937.1	4091.1	4188.8	4286.5	4170.0	4053.6	4004.7	3952.1	3907.0
65°	3399.9	3411.1	3584.0	3756.8	3959.6	4158.7	4049.8	3937.1	4031.0	4124.9	4079.9
67.5°	3005.4	3024.2	3185.7	3343.5	3584.0	3824.4	3794.3	3760.5	3967.2	4173.8	4170.0
70°	2535.8	2569.6	2708.6	2843.9	3114.4	3381.1	3411.1	3441.2	3798.1	4151.2	4218.9
72.5°	1946.0	2013.6	2118.8	2220.3	2494.5	2765.0	2877.7	2990.4	3501.3	4008.5	4200.1
75°	646.2	691.2	984.3	1273.5	1551.5	1829.5	2077.5	2321.7	2960.3	3595.2	3993.4
77.5°	187.8	195.4	251.7	304.3	522.2	736.3	991.8	1243.5	1867.1	2487.0	3148.2
80°	97.7	101.4	112.7	124.0	180.3	236.7	341.9	443.3	728.8	1014.3	1709.3
82.5°	67.6	67.6	78.9	86.4	108.9	131.5	187.8	244.2	266.7	289.3	687.5
85°	22.5	22.5	30.1	37.6	52.6	67.6	101.4	131.5	131.5	127.7	184.1
87.5°	3.8	3.8	7.5	11.3	18.8	22.5	18.8	15.0	11.3	7.5	15.0
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°	1018.1	1018.1	1018.1	1018.1	1018.1	1018.1	1018.1	1018.1	1018.1	1018.1	1018.1
2.5°	1006.8	1010.6	1010.6	1010.6	1014.3	1014.3	1014.3	1014.3	1010.6	1014.3	1014.3
5°	830.2	897.9	961.7	980.5	991.8	995.5	995.5	995.5	991.8	991.8	991.8
7.5°	819.0	815.2	811.5	781.4	852.8	867.8	879.1	875.3	875.3	856.5	834.0
10°	631.1	631.1	631.1	638.7	680.0	728.8	777.7	777.7	777.7	721.3	664.9
12.5°	589.8	612.4	631.1	631.1	563.5	619.9	676.2	676.2	676.2	619.9	559.8
15°	503.4	529.7	552.2	589.8	702.5	770.1	837.8	837.8	834.0	770.1	702.5
17.5°	634.9	627.4	616.1	683.7	642.4	653.7	664.9	631.1	680.0	661.2	642.4
20°	642.4	574.8	503.4	646.2	792.7	856.5	920.4	924.2	912.9	841.5	766.4
22.5°	604.8	691.2	773.9	683.7	706.3	691.2	672.5	664.9	664.9	661.2	657.4
25°	773.9	691.2	608.6	800.2	935.4	980.5	1025.6	1014.3	999.3	897.9	796.4
27.5°	713.8	796.4	875.3	950.5	1018.1	1059.4	1100.7	1217.2	1059.4	942.9	822.7
30°	871.6	973.0	1070.7	1179.6	1386.2	1446.4	1506.5	1476.4	1438.8	1213.4	988.0
32.5°	969.2	1130.8	1288.6	1337.4	1461.4	1517.7	1570.3	1544.0	1499.0	1202.2	905.4
35°	1078.2	1228.5	1375.0	1453.9	1604.1	1649.2	1690.5	1649.2	1600.4	1190.9	781.4
37.5°	1138.3	1341.2	1540.3	1675.5	1803.3	1814.5	1822.0	1784.5	1720.6	1190.9	661.2
40°	1277.3	1495.2	1709.3	1904.7	2006.1	2009.9	2013.6	1953.5	1837.1	1179.6	518.4
42.5°	1461.4	1683.0	1900.9	2115.1	2250.3	2239.0	2224.0	2141.4	1949.8	1160.8	371.9
45°	1724.4	1919.7	2115.1	2355.5	2520.8	2490.7	2456.9	2333.0	2028.7	1142.1	251.7
47.5°	2006.1	2160.1	2310.4	2641.0	2851.4	2787.5	2719.9	2539.6	2085.0	1134.5	180.3
50°	2333.0	2456.9	2580.9	2941.6	3193.3	3073.0	2952.8	2746.2	2107.5	1127.0	142.8
52.5°	2622.2	2750.0	2873.9	3294.7	3486.3	3351.0	3215.8	2907.7	2096.3	1112.0	124.0
55°	2967.8	3080.6	3193.3	3632.8	3786.8	3606.5	3422.4	3024.2	2039.9	1078.2	112.7
57.5°	3313.5	3429.9	3542.6	3970.9	4016.0	3839.4	3659.1	3136.9	1983.6	1044.4	101.4
60°	3636.6	3768.0	3899.5	4200.1	4233.9	4076.1	3918.3	3245.9	1893.4	991.8	90.2
62.5°	3862.0	4042.3	4222.6	4425.5	4440.5	4297.7	4151.2	3328.5	1777.0	931.7	82.6
65°	4031.0	4279.0	4523.2	4647.1	4639.6	4538.2	4436.7	3399.9	1683.0	875.3	67.6
67.5°	4162.5	4463.0	4763.6	4846.2	4865.0	4771.1	4677.2	3411.1	1566.6	811.5	52.6
70°	4286.5	4617.1	4947.7	5105.5	5067.9	4921.4	4774.9	3324.7	1408.8	725.1	37.6
72.5°	4387.9	4733.5	5079.2	5259.5	5169.3	4857.5	4545.7	3031.7	1179.6	604.8	26.3
75°	4387.9	4733.5	5075.4	5229.4	4921.4	4301.5	3677.9	2257.8	691.2	356.9	22.5
77.5°	3809.4	4061.1	4312.8	4290.2	3749.3	2979.1	2205.2	1299.8	232.9	127.7	18.8
80°	2404.3	2569.6	2734.9	2652.3	1916.0	1375.0	830.2	435.8	82.6	48.8	15.0
82.5°	1085.7	1066.9	1048.1	807.7	375.7	251.7	124.0	75.1	22.5	15.0	7.5
85°	240.4	232.9	225.4	165.3	112.7	75.1	37.6	22.5	11.3	11.3	7.5
87.5°	22.5	26.3	26.3	18.8	18.8	15.0	7.5	7.5	7.5	7.5	7.5
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°	1018.1	1018.1	1018.1	1018.1	1018.1	1018.1	1018.1	1018.1	1018.1	1018.1	1018.1
2.5°	1014.3	1014.3	1014.3	1010.6	1010.6	1010.6	984.3	954.2	935.4	912.9	901.6
5°	958.0	924.2	882.8	841.5	834.0	822.7	826.5	826.5	830.2	830.2	830.2
7.5°	815.2	796.4	803.9	811.5	811.5	811.5	811.5	807.7	803.9	800.2	762.6
10°	649.9	634.9	634.9	634.9	646.2	653.7	634.9	612.4	646.2	676.2	668.7
12.5°	597.3	634.9	586.1	533.5	541.0	544.7	544.7	541.0	525.9	510.9	458.3
15°	623.6	544.7	499.7	450.8	450.8	450.8	364.4	278.0	259.2	240.4	244.2
17.5°	597.3	552.2	499.7	443.3	334.4	221.6	210.4	195.4	195.4	195.4	199.1
20°	601.1	435.8	368.2	300.5	240.4	176.6	165.3	150.3	142.8	131.5	154.0
22.5°	589.8	518.4	353.1	187.8	165.3	142.8	131.5	116.5	135.2	154.0	154.0
25°	571.0	341.9	255.5	165.3	139.0	112.7	127.7	139.0	131.5	120.2	139.0
27.5°	574.8	323.1	221.6	120.2	127.7	131.5	124.0	112.7	124.0	131.5	124.0
30°	619.9	251.7	187.8	120.2	116.5	108.9	112.7	116.5	112.7	105.2	112.7
32.5°	552.2	199.1	157.8	112.7	108.9	105.2	101.4	97.7	101.4	101.4	101.4
35°	465.8	150.3	127.7	105.2	97.7	90.2	90.2	86.4	86.4	86.4	86.4
37.5°	394.5	127.7	112.7	93.9	86.4	78.9	75.1	67.6	67.6	63.9	63.9
40°	319.3	116.5	101.4	82.6	75.1	63.9	60.1	52.6	52.6	48.8	48.8
42.5°	240.4	105.2	90.2	71.4	63.9	52.6	45.1	37.6	37.6	33.8	33.8
45°	172.8	93.9	78.9	60.1	52.6	41.3	33.8	26.3	26.3	22.5	22.5
47.5°	135.2	86.4	71.4	52.6	41.3	30.1	26.3	18.8	18.8	18.8	18.8
50°	108.9	75.1	60.1	41.3	30.1	18.8	15.0	11.3	11.3	11.3	11.3
52.5°	97.7	67.6	52.6	33.8	26.3	15.0	11.3	7.5	11.3	11.3	11.3
55°	86.4	60.1	45.1	26.3	18.8	11.3	11.3	7.5	11.3	11.3	11.3
57.5°	78.9	52.6	37.6	18.8	15.0	7.5	7.5	3.8	7.5	7.5	7.5
60°	67.6	45.1	30.1	15.0	11.3	3.8	3.8	3.8	7.5	7.5	7.5
62.5°	60.1	37.6	26.3	11.3	7.5	3.8	3.8	3.8	7.5	7.5	7.5
65°	48.8	26.3	18.8	7.5	7.5	3.8	3.8	3.8	7.5	7.5	7.5
67.5°	37.6	18.8	15.0	7.5	7.5	3.8	3.8	3.8	7.5	7.5	3.8
70°	26.3	15.0	11.3	3.8	3.8	3.8	3.8	3.8	7.5	7.5	3.8
72.5°	18.8	11.3	7.5	3.8	3.8	0.0	3.8	3.8	7.5	7.5	7.5
75°	18.8	11.3	7.5	3.8	3.8	0.0	3.8	7.5	7.5	7.5	7.5
77.5°	15.0	7.5	7.5	3.8	3.8	0.0	3.8	7.5	7.5	7.5	7.5
80°	11.3	7.5	7.5	3.8	3.8	0.0	7.5	11.3	11.3	11.3	7.5
82.5°	7.5	7.5	7.5	3.8	3.8	0.0	7.5	11.3	11.3	11.3	7.5
85°	7.5	7.5	7.5	7.5	3.8	0.0	7.5	11.3	11.3	11.3	11.3
87.5°	7.5	7.5	7.5	7.5	7.5	3.8	11.3	15.0	15.0	11.3	11.3
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):

	165°	170°	175°	180°
0°	1018.1	1018.1	1018.1	1018.1
2.5°	886.6	886.6	882.8	894.1
5°	830.2	830.2	830.2	834.0
7.5°	721.3	695.0	668.7	672.5
10°	657.4	649.9	638.7	646.2
12.5°	405.7	383.2	356.9	345.6
15°	247.9	247.9	247.9	244.2
17.5°	202.9	187.8	169.1	172.8
20°	176.6	180.3	184.1	184.1
22.5°	154.0	146.5	139.0	139.0
25°	154.0	154.0	154.0	154.0
27.5°	116.5	116.5	112.7	112.7
30°	120.2	120.2	116.5	112.7
32.5°	97.7	97.7	97.7	97.7
35°	82.6	78.9	75.1	75.1
37.5°	63.9	60.1	56.4	56.4
40°	45.1	45.1	41.3	41.3
42.5°	33.8	33.8	30.1	30.1
45°	22.5	22.5	22.5	22.5
47.5°	15.0	15.0	15.0	15.0
50°	11.3	11.3	11.3	11.3
52.5°	11.3	11.3	7.5	7.5
55°	7.5	7.5	7.5	7.5
57.5°	7.5	7.5	7.5	7.5
60°	7.5	7.5	3.8	3.8
62.5°	3.8	3.8	3.8	3.8
65°	3.8	3.8	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	3.8	3.8	0.0	0.0
75°	3.8	3.8	0.0	0.0
77.5°	3.8	3.8	0.0	0.0
80°	3.8	3.8	0.0	0.0
82.5°	3.8	3.8	3.8	0.0
85°	7.5	7.5	3.8	0.0
87.5°	7.5	7.5	3.8	0.0
90°	0.0	0.0	0.0	0.0



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