

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: P561230

Luminaire Tested: **SDL-PA1-90-727-U-T4W-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561230
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-10)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-90-727-U-T4W-HSS
Description: Springdale
(1) 70 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6194 lumens
Efficiency: N/A
Efficacy: 67.0 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 - G2

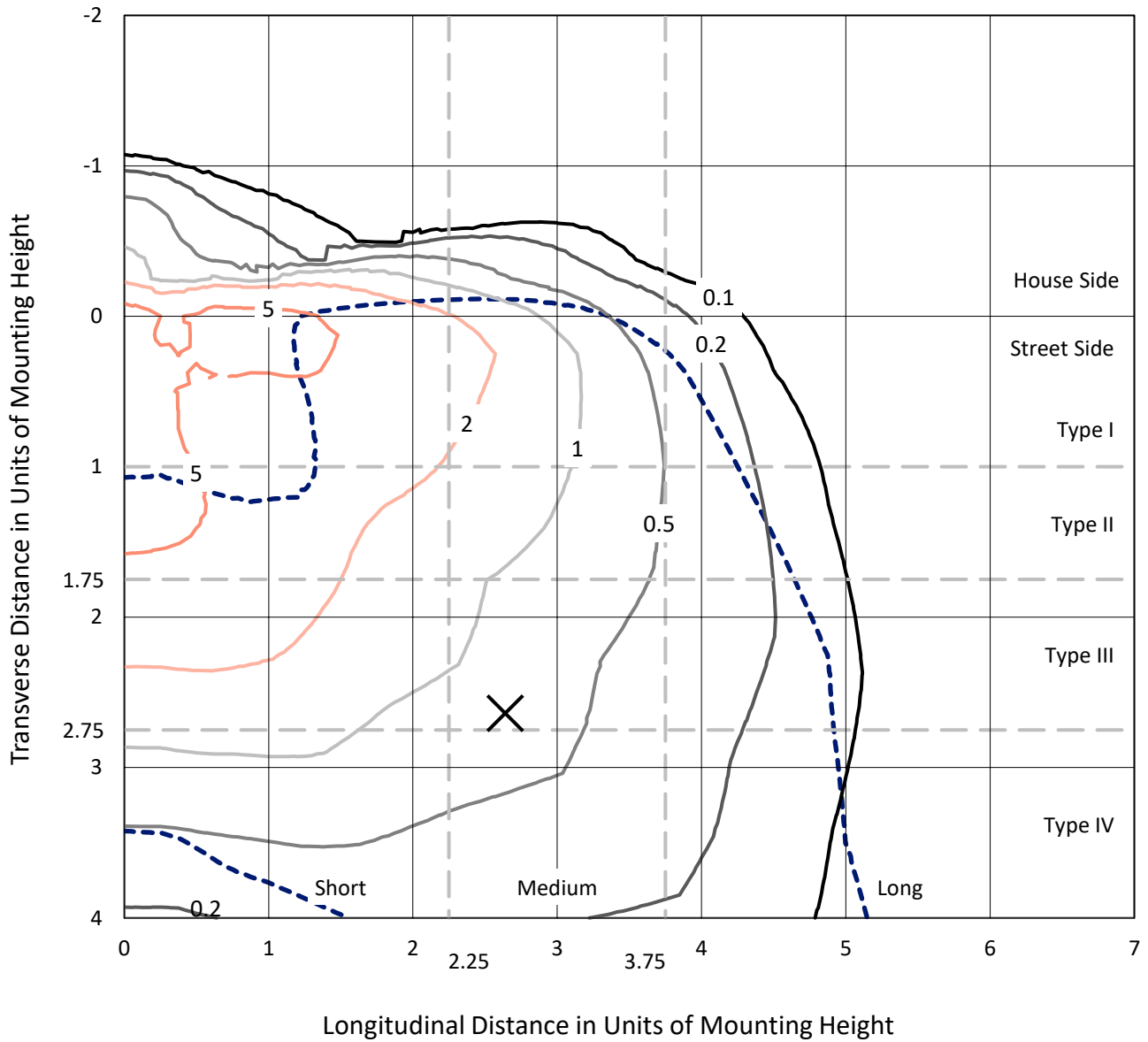
Input Watts (W): 92.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

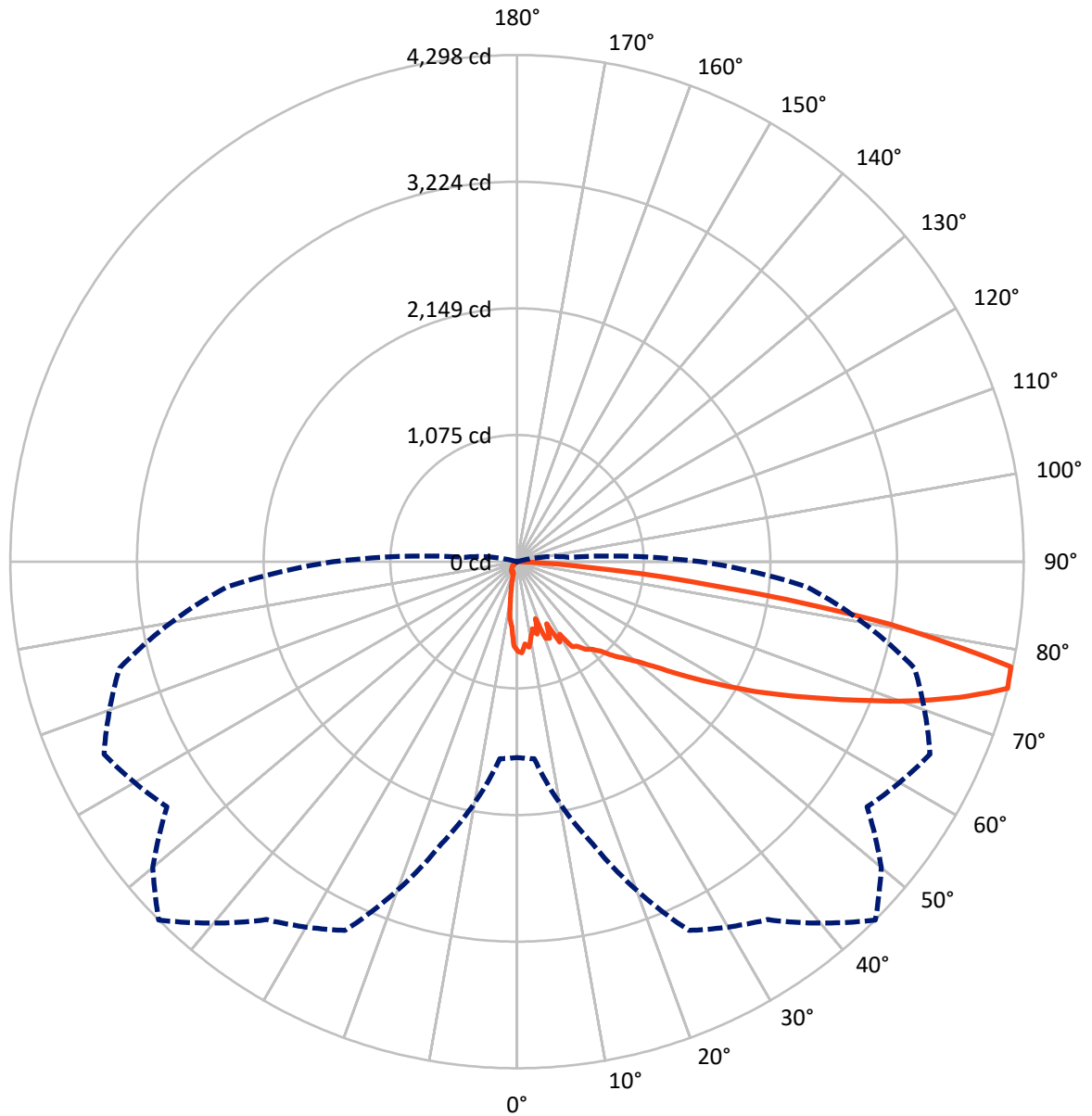
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical



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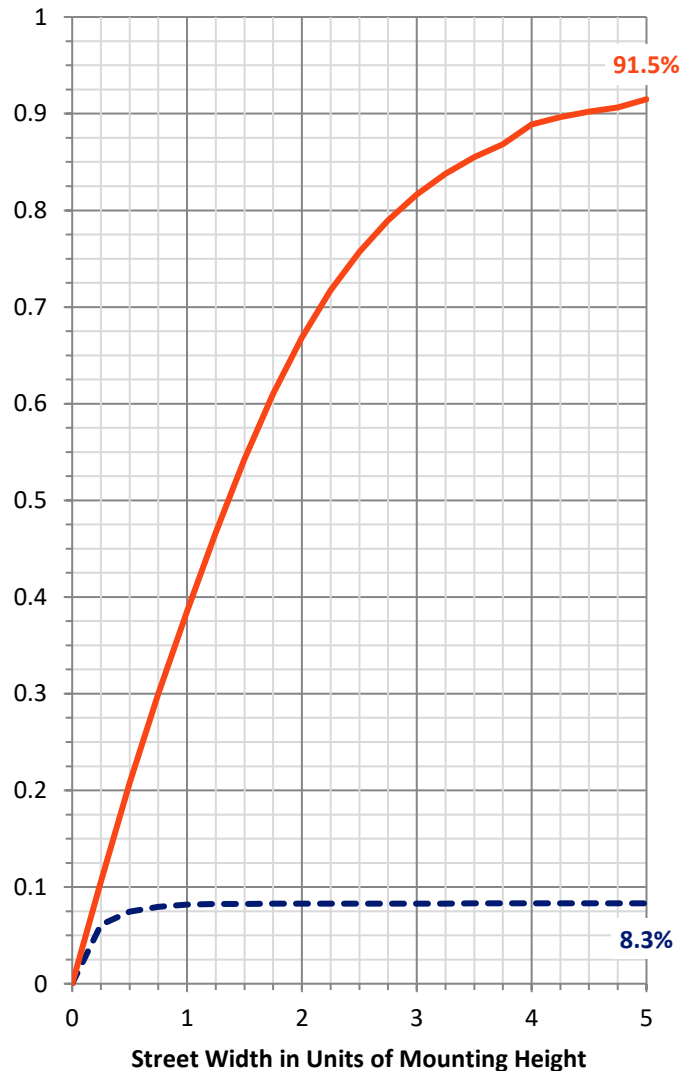
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	520.0	0.0	520.0
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	5674.0	0.0	5674.0
	% Fixture	91.6	0.0	91.6
Total	Lumens	6194.0	0.0	6194.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.0	1.0
10°-20°	129.6	2.1
20°-30°	219.2	3.5
30°-40°	403.7	6.5
40°-50°	662.6	10.7
50°-60°	1179.2	19.0
60°-70°	1764.4	28.5
70°-80°	1570.9	25.4
80°-90°	205.2	3.3
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°	6194.0	100.0
0°-180°	6194.0	100.0



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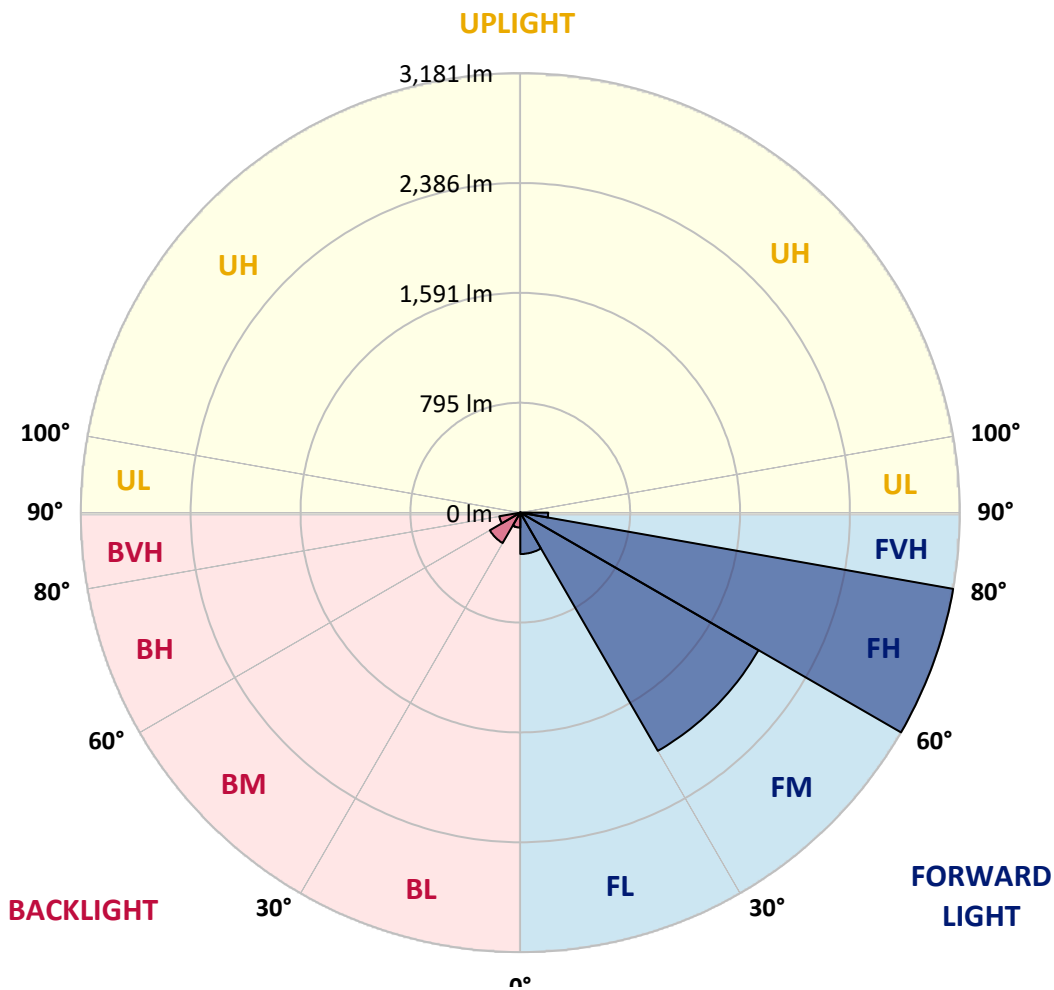
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	299.4	4.8			
FM (30°-60°)	1991.1	32.1			
FH (60°-80°)	3181.4	51.4			G2/5000
FVH (80°-90°)	202.1	3.3			G2/225
BL (0°-30°)	108.5	1.8	B0/110		
BM (30°-60°)	254.4	4.1	B1/1000		
BH (60°-80°)	154.0	2.5	B1/500		G1/500
BVH (80°-90°)	3.1	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°	759.5	759.5	759.5	759.5	759.5	759.5	759.5	759.5	759.5	759.5	759.5
2.5°	706.6	759.5	765.7	768.8	775.0	778.1	778.1	778.1	778.1	775.0	775.0
5°	747.0	743.9	740.8	737.7	734.6	728.3	722.1	712.8	706.6	700.3	694.1
7.5°	731.5	734.6	743.9	750.1	747.0	743.9	750.1	753.2	743.9	731.5	719.0
10°	852.8	846.6	840.4	834.2	824.8	815.5	740.8	666.1	659.9	650.5	644.3
12.5°	747.0	840.4	840.4	840.4	840.4	840.4	790.6	740.8	663.0	585.2	494.9
15°	933.8	930.7	918.2	905.8	821.7	734.6	687.9	641.2	641.2	638.1	600.7
17.5°	775.0	775.0	837.3	896.4	862.2	827.9	762.6	697.2	603.8	507.3	544.7
20°	980.5	980.5	968.0	955.6	812.4	669.2	675.4	681.7	687.9	694.1	575.8
22.5°	806.2	799.9	793.7	787.5	803.0	818.6	691.0	560.3	635.0	706.6	550.9
25°	983.6	992.9	986.7	977.3	849.7	722.1	750.1	775.0	678.5	582.0	675.4
27.5°	843.5	834.2	821.7	806.2	815.5	824.8	765.7	703.4	737.7	771.9	619.4
30°	1033.4	1036.5	1030.3	1024.0	902.6	781.3	778.1	771.9	743.9	712.8	697.2
32.5°	1279.3	1254.4	1167.2	1080.1	1005.4	930.7	871.5	812.4	837.3	859.1	775.0
35°	1397.5	1350.9	1313.5	1273.0	1148.5	1020.9	949.3	874.6	877.7	880.9	846.6
37.5°	1512.7	1444.2	1397.5	1350.9	1201.4	1052.0	974.2	896.4	921.3	943.1	905.8
40°	1553.2	1515.8	1487.8	1459.8	1301.0	1139.2	1048.9	955.6	968.0	977.3	964.9
42.5°	1655.9	1649.7	1634.1	1615.4	1425.6	1232.6	1123.6	1014.7	1027.1	1036.5	1030.3
45°	1901.8	1892.4	1892.4	1889.3	1643.4	1394.4	1251.2	1108.1	1120.5	1133.0	1126.7
47.5°	2219.3	2203.7	2185.0	2163.2	1901.8	1637.2	1431.8	1223.2	1223.2	1223.2	1232.6
50°	2552.3	2530.5	2490.0	2446.5	2181.9	1917.3	1655.9	1394.4	1366.4	1335.3	1369.5
52.5°	2897.8	2860.4	2792.0	2720.4	2486.9	2253.5	1957.8	1659.0	1575.0	1487.8	1531.4
55°	3084.5	3044.1	2997.4	2947.6	2757.7	2564.7	2262.8	1960.9	1830.2	1696.3	1743.0
57.5°	3237.1	3227.7	3205.9	3184.1	3037.9	2891.6	2589.6	2284.6	2107.2	1929.8	1970.2
60°	3445.6	3433.2	3442.5	3451.8	3339.8	3227.7	2941.4	2651.9	2424.7	2194.4	2181.9
62.5°	3601.2	3598.1	3644.8	3691.5	3632.4	3570.1	3249.5	2925.8	2704.8	2480.7	2418.5
65°	3458.1	3498.5	3672.8	3847.1	3837.8	3825.3	3526.5	3224.6	3006.7	2785.7	2704.8
67.5°	3156.1	3174.8	3433.2	3688.4	3800.4	3909.4	3697.7	3483.0	3311.8	3137.5	2988.1
70°	2872.9	2913.4	3140.6	3367.8	3657.3	3946.7	3778.6	3610.6	3576.3	3539.0	3346.0
72.5°	2599.0	2670.6	2882.2	3093.9	3479.8	3862.7	3763.1	3663.5	3797.3	3931.2	3700.8
75°	1662.1	1677.7	2079.2	2477.6	2966.3	3451.8	3579.4	3707.1	4002.7	4298.4	4033.9
77.5°	485.6	538.5	840.4	1142.3	1702.6	2259.7	2695.5	3131.2	3707.1	4282.9	3959.2
80°	165.0	177.4	221.0	261.5	560.3	859.1	1363.3	1864.4	2533.6	3202.8	2975.6
82.5°	80.9	84.0	105.8	124.5	189.9	255.2	513.6	768.8	1241.9	1711.9	1752.4
85°	24.9	24.9	37.4	49.8	80.9	112.1	193.0	270.8	429.5	585.2	494.9
87.5°	6.2	6.2	9.3	12.5	18.7	24.9	24.9	24.9	18.7	12.5	15.6
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°	759.5	759.5	759.5	759.5	759.5	759.5	759.5	759.5	759.5	759.5	759.5
2.5°	778.1	778.1	778.1	775.0	768.8	765.7	759.5	753.2	747.0	743.9	737.7
5°	684.8	725.2	762.6	765.7	765.7	756.4	747.0	737.7	728.3	719.0	709.7
7.5°	703.4	681.7	659.9	663.0	666.1	663.0	656.7	641.2	628.7	603.8	575.8
10°	563.4	547.8	529.1	535.4	541.6	557.1	572.7	560.3	541.6	494.9	445.1
12.5°	554.0	550.9	544.7	498.0	448.2	473.1	494.9	482.4	463.8	417.1	367.3
15°	473.1	476.2	476.2	522.9	569.6	588.3	603.8	588.3	566.5	504.2	438.9
17.5°	610.1	578.9	547.8	529.1	507.3	513.6	519.8	451.3	473.1	432.6	389.1
20°	631.8	529.1	426.4	510.5	594.5	622.5	650.5	635.0	606.9	507.3	404.6
22.5°	575.8	613.2	650.5	597.6	544.7	510.5	473.1	457.5	438.9	395.3	351.7
25°	712.8	610.1	504.2	603.8	700.3	706.6	712.8	684.8	653.6	529.1	404.6
27.5°	638.1	672.3	703.4	725.2	747.0	775.0	803.0	771.9	697.2	550.9	401.5
30°	759.5	806.2	852.8	924.4	996.0	1017.8	1036.5	1002.2	943.1	697.2	448.2
32.5°	793.7	887.1	980.5	1008.5	1033.4	1061.4	1089.4	1061.4	989.8	691.0	389.1
35°	887.1	952.4	1014.7	1058.3	1101.8	1126.7	1151.6	1133.0	1036.5	681.7	326.8
37.5°	915.1	1002.2	1086.3	1136.1	1182.8	1204.6	1223.2	1223.2	1086.3	675.4	261.5
40°	958.7	1067.6	1176.5	1223.2	1266.8	1301.0	1332.2	1344.6	1142.3	672.3	199.2
42.5°	1045.8	1142.3	1238.8	1313.5	1385.1	1434.9	1484.7	1494.0	1207.7	681.7	152.5
45°	1139.2	1241.9	1344.6	1444.2	1543.8	1615.4	1683.9	1677.7	1285.5	706.6	124.5
47.5°	1273.0	1369.5	1466.0	1634.1	1799.1	1867.5	1932.9	1889.3	1366.4	737.7	108.9
50°	1410.0	1528.3	1646.5	1861.3	2073.0	2135.2	2194.4	2104.1	1444.2	775.0	102.7
52.5°	1587.4	1727.5	1867.5	2113.4	2359.3	2415.3	2471.4	2287.7	1503.4	799.9	96.5
55°	1795.9	1976.5	2157.0	2390.4	2620.8	2686.1	2751.5	2468.3	1531.4	812.4	93.4
57.5°	2048.1	2256.6	2462.0	2676.8	2888.5	2978.7	3065.9	2645.7	1543.8	815.5	87.2
60°	2294.0	2524.3	2754.6	2938.3	3121.9	3262.0	3398.9	2820.0	1537.6	809.3	77.8
62.5°	2521.2	2776.4	3028.5	3199.7	3370.9	3539.0	3707.1	2960.0	1497.1	781.3	62.3
65°	2757.7	3028.5	3296.2	3445.6	3595.0	3812.9	4027.6	3081.4	1441.1	743.9	43.6
67.5°	2972.5	3230.8	3489.2	3657.3	3825.3	4040.1	4251.8	3112.6	1360.2	697.2	31.1
70°	3153.0	3433.2	3710.2	3881.4	4052.6	4161.5	4267.3	2975.6	1198.3	610.1	21.8
72.5°	3402.0	3654.1	3903.1	3990.3	4074.3	3884.5	3691.5	2480.7	899.5	460.7	18.7
75°	3626.1	3747.5	3865.8	3679.0	3492.3	2981.8	2471.4	1562.5	438.9	230.3	18.7
77.5°	3398.9	3333.5	3268.2	2695.5	2119.7	1575.0	1027.1	613.2	137.0	74.7	12.5
80°	2462.0	2163.2	1861.3	1288.6	712.8	476.2	236.6	137.0	34.2	21.8	9.3
82.5°	1325.9	1024.0	719.0	463.8	208.5	140.1	68.5	46.7	15.6	12.5	6.2
85°	479.3	379.7	277.0	214.8	152.5	90.3	24.9	15.6	9.3	9.3	6.2
87.5°	43.6	49.8	56.0	43.6	28.0	18.7	6.2	6.2	6.2	6.2	3.1
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	759.5	759.5	759.5	759.5	759.5	759.5	759.5	759.5	759.5	759.5	759.5
2.5°	734.6	731.5	728.3	722.1	719.0	715.9	694.1	672.3	647.4	622.5	622.5
5°	669.2	628.7	606.9	585.2	569.6	554.0	550.9	544.7	538.5	532.2	529.1
7.5°	560.3	544.7	532.2	519.8	504.2	488.7	473.1	457.5	445.1	432.6	404.6
10°	420.2	395.3	376.6	357.9	348.6	336.2	317.5	295.7	295.7	295.7	292.6
12.5°	364.2	361.1	314.4	264.6	249.0	233.4	230.3	227.2	221.0	211.7	199.2
15°	361.1	280.1	239.7	196.1	186.8	174.3	155.6	133.8	130.7	124.5	140.1
17.5°	326.8	264.6	217.9	171.2	137.0	102.7	108.9	112.1	127.6	140.1	149.4
20°	295.7	186.8	155.6	121.4	112.1	99.6	105.8	112.1	108.9	102.7	118.3
22.5°	277.0	199.2	146.3	93.4	99.6	105.8	99.6	90.3	105.8	121.4	130.7
25°	267.7	127.6	115.2	99.6	93.4	87.2	99.6	108.9	102.7	96.5	115.2
27.5°	264.6	127.6	108.9	87.2	93.4	99.6	96.5	90.3	102.7	112.1	108.9
30°	283.2	115.2	102.7	90.3	87.2	84.0	90.3	96.5	96.5	93.4	108.9
32.5°	252.1	115.2	102.7	87.2	87.2	84.0	84.0	84.0	93.4	102.7	108.9
35°	217.9	105.8	96.5	84.0	80.9	77.8	80.9	80.9	90.3	96.5	108.9
37.5°	180.5	99.6	90.3	77.8	74.7	71.6	71.6	68.5	77.8	87.2	96.5
40°	146.3	93.4	84.0	71.6	68.5	65.4	65.4	65.4	71.6	74.7	80.9
42.5°	121.4	87.2	77.8	65.4	62.3	59.1	59.1	56.0	59.1	62.3	65.4
45°	105.8	84.0	74.7	62.3	59.1	52.9	49.8	46.7	46.7	46.7	46.7
47.5°	93.4	77.8	71.6	62.3	56.0	46.7	43.6	37.4	34.2	31.1	28.0
50°	87.2	71.6	65.4	56.0	49.8	40.5	34.2	28.0	24.9	18.7	18.7
52.5°	80.9	65.4	59.1	49.8	40.5	31.1	24.9	15.6	15.6	12.5	12.5
55°	77.8	62.3	52.9	43.6	34.2	21.8	15.6	9.3	9.3	6.2	6.2
57.5°	74.7	59.1	49.8	37.4	24.9	12.5	9.3	6.2	6.2	6.2	6.2
60°	65.4	52.9	40.5	24.9	15.6	6.2	6.2	3.1	6.2	6.2	6.2
62.5°	52.9	40.5	28.0	15.6	9.3	3.1	3.1	3.1	6.2	6.2	6.2
65°	37.4	28.0	18.7	9.3	6.2	3.1	3.1	3.1	3.1	3.1	3.1
67.5°	28.0	21.8	15.6	6.2	6.2	3.1	3.1	3.1	3.1	3.1	3.1
70°	18.7	15.6	12.5	6.2	6.2	3.1	3.1	3.1	3.1	3.1	3.1
72.5°	15.6	12.5	9.3	3.1	3.1	0.0	3.1	3.1	3.1	3.1	3.1
75°	15.6	12.5	9.3	3.1	3.1	0.0	3.1	3.1	3.1	3.1	3.1
77.5°	12.5	9.3	6.2	3.1	3.1	0.0	3.1	6.2	6.2	6.2	6.2
80°	9.3	6.2	6.2	3.1	3.1	0.0	3.1	6.2	6.2	6.2	6.2
82.5°	6.2	6.2	6.2	3.1	3.1	0.0	6.2	9.3	9.3	6.2	6.2
85°	6.2	3.1	3.1	3.1	3.1	3.1	6.2	9.3	9.3	9.3	6.2
87.5°	3.1	3.1	3.1	3.1	3.1	3.1	6.2	9.3	9.3	9.3	6.2
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°	759.5	759.5	759.5	759.5
2.5°	619.4	619.4	616.3	616.3
5°	522.9	522.9	519.8	519.8
7.5°	376.6	370.4	361.1	364.2
10°	289.5	283.2	277.0	283.2
12.5°	186.8	189.9	189.9	180.5
15°	152.5	165.0	174.3	174.3
17.5°	158.7	158.7	155.6	155.6
20°	133.8	146.3	158.7	158.7
22.5°	137.0	130.7	124.5	124.5
25°	130.7	140.1	146.3	146.3
27.5°	105.8	108.9	112.1	112.1
30°	121.4	127.6	130.7	130.7
32.5°	115.2	121.4	124.5	127.6
35°	118.3	124.5	127.6	127.6
37.5°	105.8	108.9	112.1	112.1
40°	84.0	87.2	90.3	90.3
42.5°	65.4	65.4	62.3	65.4
45°	43.6	43.6	40.5	43.6
47.5°	24.9	24.9	24.9	24.9
50°	15.6	15.6	15.6	15.6
52.5°	9.3	9.3	9.3	9.3
55°	6.2	6.2	6.2	6.2
57.5°	6.2	6.2	3.1	3.1
60°	3.1	3.1	3.1	3.1
62.5°	3.1	3.1	0.0	0.0
65°	0.0	0.0	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°	0.0	0.0	0.0	0.0
75°	3.1	3.1	0.0	0.0
77.5°	3.1	3.1	0.0	0.0
80°	3.1	3.1	0.0	0.0
82.5°	3.1	3.1	0.0	0.0
85°	3.1	3.1	3.1	0.0
87.5°	3.1	3.1	3.1	0.0
90°	0.0	0.0	0.0	0.0

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