

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: P560181

Luminaire Tested: **SDL-PA1-30-730-U-SL3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560181
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-16)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-30-730-U-SL3
Description: Springdale
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3444.1 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 30.1
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

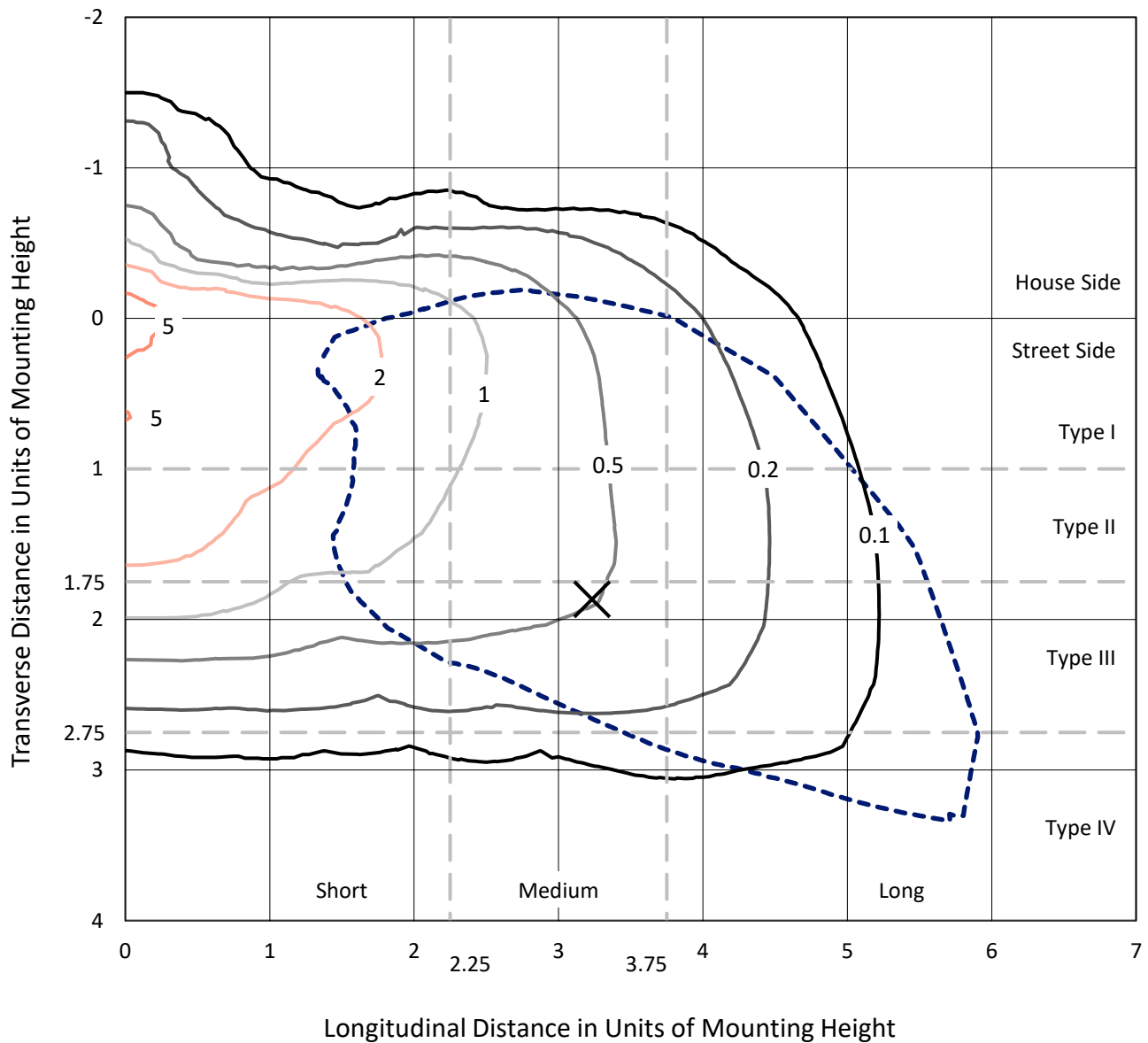


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

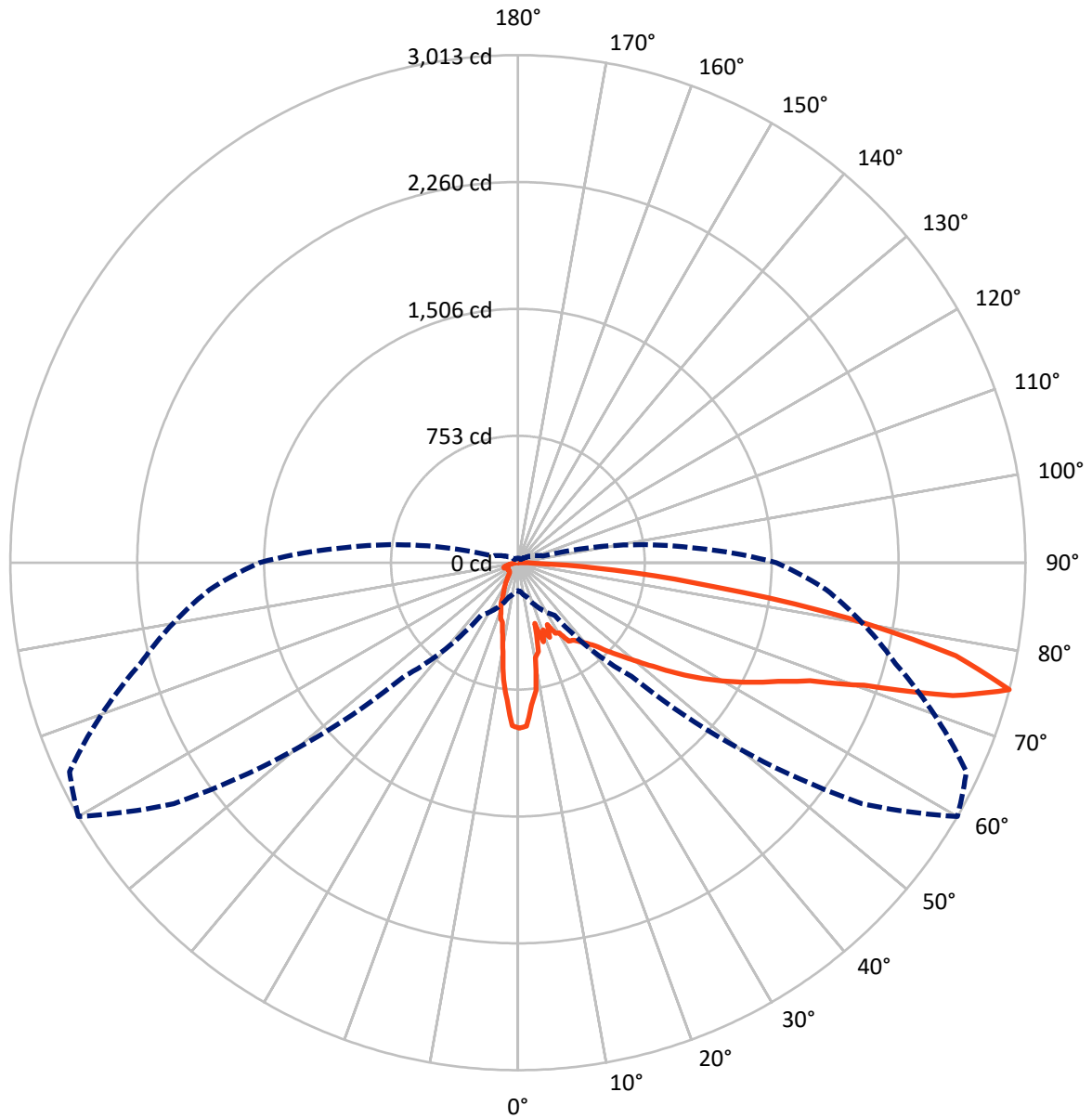


Based on 10 foot mounting height. Maximum calculated value = 9.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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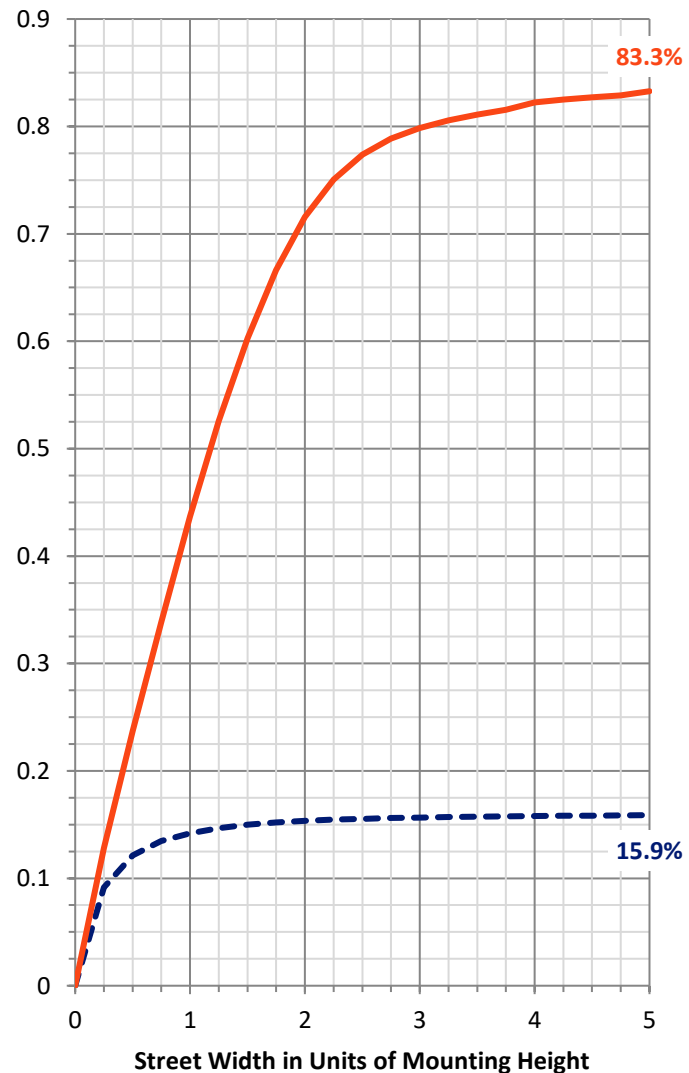
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	553.6	0.0	553.6
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	2890.5	0.0	2890.5
	% Fixture	83.9	0.0	83.9
Total	Lumens	3444.1	0.0	3444.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.7	2.1
10°-20°	129.3	3.8
20°-30°	169.4	4.9
30°-40°	279.5	8.1
40°-50°	436.5	12.7
50°-60°	664.5	19.3
60°-70°	823.3	23.9
70°-80°	727.4	21.1
80°-90°	142.6	4.1
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°	3444.1	100.0
0°-180°	3444.1	100.0



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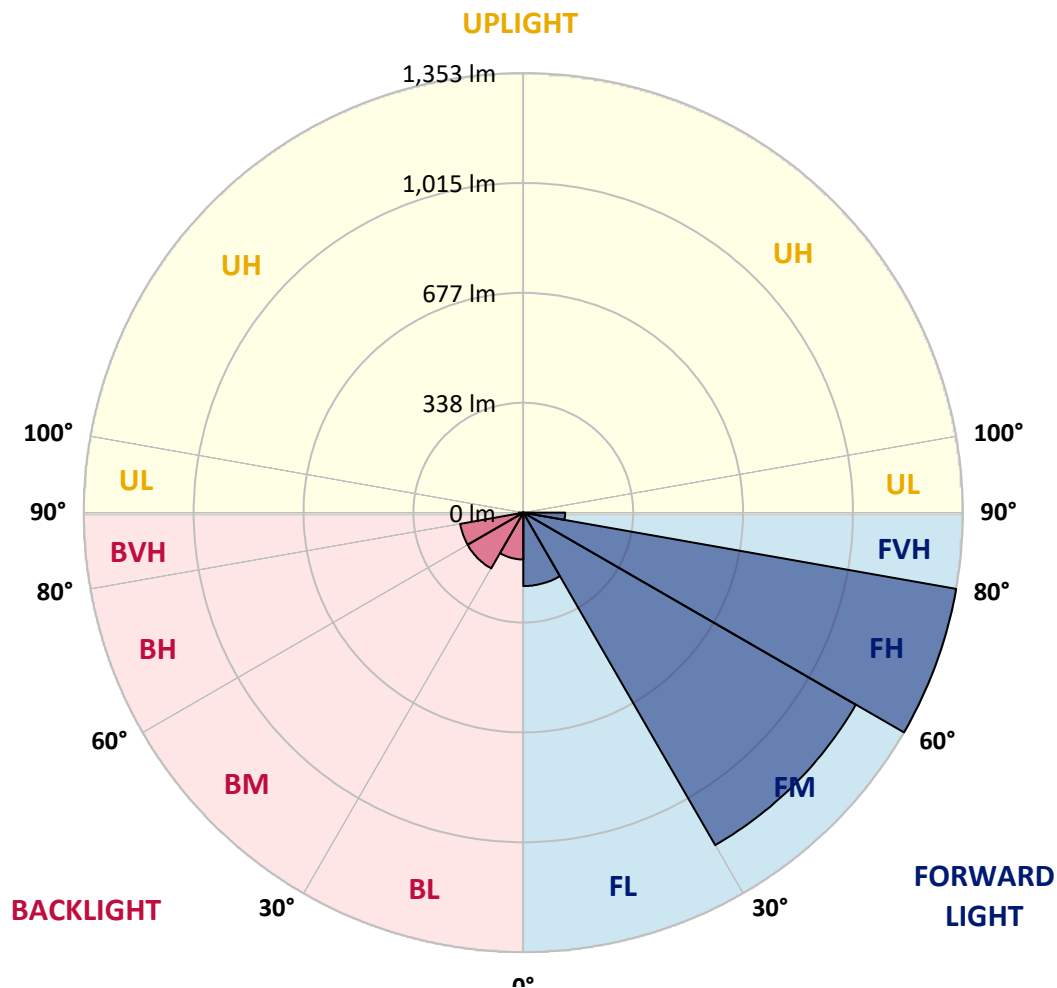
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	226.1	6.6			
FM	(30°-60°)	1182.1	34.3			
FH	(60°-80°)	1353.3	39.3			G1/1800
FVH	(80°-90°)	129.0	3.7			G2/225
BL	(0°-30°)	144.2	4.2	B1/500		
BM	(30°-60°)	198.3	5.8	B0/220		
BH	(60°-80°)	197.4	5.7	B1/500		G1/500
BVH	(80°-90°)	13.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4
2.5°	815.9	908.0	886.6	865.1	897.9	929.4	939.5	948.3	953.4	958.4	963.5
5°	757.9	759.2	760.4	761.7	765.5	768.0	773.1	778.1	783.1	786.9	792.0
7.5°	585.1	605.3	638.1	670.9	691.1	710.0	721.3	731.4	739.0	746.6	754.1
10°	650.7	654.5	655.8	655.8	662.1	668.4	620.5	571.3	595.2	619.2	592.7
12.5°	510.7	524.6	566.2	606.6	619.2	630.5	607.8	585.1	549.8	513.3	510.7
15°	586.4	590.2	591.5	591.5	552.4	513.3	486.8	459.0	480.5	500.7	454.0
17.5°	454.0	457.8	490.6	523.4	529.7	536.0	508.2	480.5	418.7	355.6	414.9
20°	539.7	542.3	542.3	542.3	476.7	411.1	416.2	419.9	440.1	460.3	443.9
22.5°	435.1	435.1	435.1	435.1	455.3	474.2	433.8	393.5	416.2	438.9	418.7
25°	547.3	551.1	542.3	532.2	471.6	411.1	430.0	449.0	414.9	380.9	411.1
27.5°	499.4	495.6	478.0	459.0	467.9	476.7	435.1	393.5	419.9	446.4	433.8
30°	663.3	652.0	633.1	614.2	542.3	470.4	459.0	447.7	425.0	401.0	427.5
32.5°	881.5	852.5	764.2	675.9	631.8	587.7	530.9	474.2	469.1	462.8	470.4
35°	939.5	920.6	884.0	846.2	770.5	693.6	621.7	548.6	524.6	499.4	504.4
37.5°	950.9	944.6	937.0	928.2	851.2	774.3	696.1	617.9	592.7	566.2	547.3
40°	959.7	964.7	978.6	991.2	914.3	836.1	765.5	693.6	667.1	639.4	606.6
42.5°	1000.0	1013.9	1031.6	1048.0	977.3	906.7	844.9	783.1	749.1	715.0	684.8
45°	1093.4	1100.9	1119.9	1137.5	1070.7	1002.6	931.9	860.1	831.1	802.1	771.8
47.5°	1229.6	1242.2	1240.9	1239.7	1165.3	1089.6	1010.1	929.4	910.5	890.3	861.3
50°	1401.1	1392.2	1368.3	1344.3	1263.6	1181.6	1088.3	993.7	984.9	974.8	950.9
52.5°	1486.8	1480.5	1447.7	1413.7	1331.7	1249.7	1148.9	1046.7	1058.1	1069.4	1046.7
55°	1491.9	1488.1	1464.1	1440.2	1360.7	1281.3	1191.7	1102.2	1129.9	1157.7	1148.9
57.5°	1455.3	1456.6	1449.0	1440.2	1369.5	1298.9	1224.5	1150.1	1198.0	1244.7	1253.5
60°	1362.0	1380.9	1393.5	1406.1	1362.0	1317.8	1253.5	1189.2	1262.4	1335.5	1359.5
62.5°	1189.2	1205.6	1251.0	1295.1	1304.0	1311.5	1268.7	1224.5	1322.9	1420.0	1459.1
65°	921.9	944.6	1012.7	1080.8	1151.4	1222.0	1232.1	1242.2	1408.6	1575.1	1607.9
67.5°	575.1	587.7	659.6	730.2	872.7	1013.9	1094.6	1175.3	1462.9	1749.1	1800.8
70°	303.9	322.8	358.2	392.2	514.5	636.9	800.8	964.7	1380.9	1797.1	2008.9
72.5°	230.8	238.3	257.3	276.2	319.1	361.9	465.3	568.8	1080.8	1591.5	2079.5
75°	166.5	172.8	192.9	211.9	254.7	296.4	339.2	380.9	667.1	953.4	1723.9
77.5°	97.1	99.6	109.7	118.5	185.4	252.2	298.9	344.3	413.6	481.7	1230.8
80°	66.8	68.1	71.9	75.7	104.7	133.7	223.2	312.8	344.3	374.5	815.9
82.5°	44.1	50.4	53.0	55.5	65.6	75.7	131.2	185.4	272.4	358.2	557.4
85°	22.7	25.2	30.3	34.0	39.1	42.9	59.3	74.4	225.7	375.8	401.0
87.5°	2.5	3.8	5.0	5.0	6.3	7.6	11.3	15.1	68.1	121.1	103.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4
2.5°	968.5	971.0	969.8	972.3	973.6	974.8	976.1	976.1	974.8	972.3	969.8
5°	797.0	847.5	933.2	942.0	950.9	953.4	955.9	957.2	954.6	950.9	947.1
7.5°	760.4	768.0	691.1	752.9	813.4	818.5	822.2	819.7	821.0	786.9	751.6
10°	566.2	572.5	575.1	594.0	611.6	653.2	694.9	688.6	683.5	623.0	561.2
12.5°	508.2	541.0	548.6	517.0	485.5	528.4	571.3	566.2	557.4	501.9	446.4
15°	407.3	373.3	446.4	514.5	581.4	621.7	660.8	649.5	639.4	568.8	496.9
17.5°	472.9	493.1	469.1	479.2	489.3	519.6	548.6	530.9	524.6	475.4	425.0
20°	427.5	426.3	409.9	469.1	528.4	587.7	645.7	628.0	597.8	501.9	404.8
22.5°	398.5	480.5	515.8	508.2	499.4	476.7	452.7	437.6	414.9	393.5	370.8
25°	440.1	406.1	433.8	524.6	614.2	630.5	646.9	609.1	559.9	462.8	365.7
27.5°	421.2	474.2	509.5	570.0	629.3	686.0	742.8	692.3	628.0	507.0	384.6
30°	454.0	483.0	581.4	694.9	808.4	828.5	847.5	778.1	692.3	570.0	447.7
32.5°	478.0	554.9	641.9	730.2	817.2	832.3	847.5	769.3	670.9	536.0	401.0
35°	508.2	565.0	644.4	747.8	851.2	855.0	857.5	766.7	655.8	503.2	349.3
37.5°	528.4	592.7	678.5	788.2	897.9	890.3	881.5	778.1	650.7	480.5	310.2
40°	573.8	629.3	721.3	833.6	945.8	933.2	920.6	802.1	652.0	457.8	262.3
42.5°	653.2	674.7	774.3	894.1	1013.9	1000.0	984.9	843.7	667.1	445.2	222.0
45°	740.3	750.4	836.1	972.3	1108.5	1090.8	1073.2	908.0	694.9	438.9	182.9
47.5°	831.1	828.5	908.0	1073.2	1237.1	1199.3	1161.5	983.7	746.6	451.5	156.4
50°	925.6	921.9	998.8	1176.6	1354.4	1314.1	1273.7	1074.5	805.8	474.2	141.2
52.5°	1022.7	1031.6	1088.3	1273.7	1457.8	1421.3	1383.4	1172.8	863.9	499.4	134.9
55°	1138.8	1166.5	1189.2	1374.6	1560.0	1523.4	1485.6	1273.7	944.6	538.5	132.4
57.5°	1261.1	1297.7	1307.8	1476.7	1645.7	1621.8	1596.5	1369.5	1026.5	583.9	140.0
60°	1383.4	1431.3	1467.9	1604.1	1739.1	1711.3	1683.6	1466.7	1103.5	634.3	165.2
62.5°	1496.9	1563.8	1623.0	1722.7	1821.0	1788.2	1755.4	1551.1	1190.5	703.7	215.6
65°	1639.4	1698.7	1763.0	1828.6	1892.9	1861.4	1829.8	1657.1	1306.5	790.7	273.7
67.5°	1852.5	1870.2	1903.0	1943.3	1982.4	1963.5	1943.3	1787.0	1407.4	841.2	273.7
70°	2219.5	2180.4	2131.3	2130.0	2127.5	2097.2	2065.7	1860.1	1413.7	821.0	228.3
72.5°	2566.3	2700.0	2543.6	2430.1	2316.6	2183.0	2048.0	1761.8	1248.5	715.0	181.6
75°	2493.2	3012.8	2937.1	2629.4	2321.7	2079.5	1837.4	1534.8	1027.8	591.5	155.1
77.5°	1978.7	2658.4	2730.3	2447.8	2164.0	1836.2	1507.0	1186.7	712.5	421.2	129.9
80°	1256.1	1987.5	2000.1	1737.8	1474.2	1122.4	770.5	517.0	343.0	223.2	103.4
82.5°	756.7	1176.6	1024.0	734.0	443.9	307.7	170.2	163.9	126.1	93.3	60.5
85°	426.3	576.3	413.6	271.1	128.6	92.1	54.2	58.0	55.5	45.4	34.0
87.5°	84.5	99.6	68.1	39.1	10.1	10.1	8.8	8.8	6.3	6.3	5.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4	982.4
2.5°	969.8	969.8	967.3	964.7	963.5	962.2	924.4	886.6	861.3	834.8	828.5
5°	900.4	853.8	818.5	783.1	775.6	768.0	766.7	765.5	761.7	756.7	755.4
7.5°	711.3	669.6	698.6	726.4	721.3	715.0	711.3	706.2	697.4	688.6	644.4
10°	547.3	533.4	533.4	532.2	522.1	512.0	534.7	557.4	582.6	607.8	605.3
12.5°	466.6	485.5	436.3	385.9	413.6	440.1	465.3	489.3	501.9	514.5	475.4
15°	440.1	382.1	365.7	349.3	361.9	374.5	338.0	300.1	329.1	358.2	364.5
17.5°	394.7	364.5	348.1	330.4	282.5	233.3	249.7	266.1	264.8	263.6	257.3
20°	368.2	330.4	301.4	271.1	248.4	225.7	201.8	176.6	165.2	152.6	182.9
22.5°	350.6	330.4	269.9	209.3	191.7	174.0	155.1	134.9	142.5	148.8	153.9
25°	306.4	245.9	211.9	177.8	150.1	121.1	122.3	123.6	117.3	111.0	140.0
27.5°	310.2	234.6	181.6	128.6	118.5	107.2	100.9	93.3	103.4	112.2	114.8
30°	325.4	203.0	153.9	104.7	93.3	82.0	85.8	88.3	88.3	88.3	100.9
32.5°	288.8	176.6	131.2	84.5	78.2	70.6	71.9	71.9	78.2	84.5	90.8
35°	244.7	138.7	107.2	74.4	68.1	61.8	64.3	66.8	73.1	79.4	88.3
37.5°	210.6	109.7	88.3	66.8	63.1	59.3	60.5	61.8	68.1	73.1	80.7
40°	177.8	92.1	78.2	64.3	60.5	56.7	58.0	58.0	63.1	68.1	73.1
42.5°	153.9	84.5	74.4	63.1	59.3	54.2	55.5	55.5	59.3	63.1	66.8
45°	132.4	80.7	71.9	61.8	58.0	53.0	53.0	51.7	55.5	58.0	60.5
47.5°	118.5	79.4	70.6	61.8	56.7	50.4	49.2	47.9	51.7	54.2	58.0
50°	111.0	79.4	70.6	60.5	54.2	47.9	46.7	45.4	50.4	54.2	60.5
52.5°	108.5	80.7	70.6	60.5	53.0	45.4	45.4	45.4	54.2	63.1	65.6
55°	108.5	83.2	71.9	59.3	51.7	44.1	46.7	49.2	51.7	54.2	54.2
57.5°	111.0	82.0	69.4	56.7	51.7	45.4	44.1	42.9	44.1	45.4	45.4
60°	122.3	79.4	66.8	54.2	47.9	41.6	40.4	39.1	41.6	42.9	42.9
62.5°	147.5	78.2	66.8	54.2	46.7	39.1	39.1	37.8	39.1	40.4	41.6
65°	180.3	87.0	70.6	54.2	46.7	39.1	36.6	34.0	36.6	37.8	37.8
67.5°	187.9	102.1	82.0	60.5	49.2	37.8	35.3	32.8	35.3	36.6	36.6
70°	170.2	112.2	88.3	64.3	51.7	37.8	35.3	31.5	32.8	34.0	32.8
72.5°	146.3	109.7	87.0	63.1	50.4	36.6	34.0	30.3	31.5	31.5	30.3
75°	124.8	94.6	74.4	53.0	42.9	31.5	29.0	26.5	27.7	27.7	27.7
77.5°	104.7	78.2	60.5	41.6	34.0	25.2	24.0	22.7	24.0	25.2	24.0
80°	82.0	59.3	45.4	30.3	25.2	18.9	20.2	20.2	21.4	21.4	21.4
82.5°	47.9	35.3	29.0	21.4	17.7	13.9	15.1	16.4	17.7	17.7	17.7
85°	29.0	22.7	18.9	15.1	12.6	8.8	11.3	12.6	12.6	12.6	11.3
87.5°	5.0	5.0	5.0	5.0	3.8	2.5	5.0	6.3	6.3	6.3	5.0
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):

	165°	170°	175°	180°
0°	982.4	982.4	982.4	982.4
2.5°	821.0	821.0	819.7	819.7
5°	754.1	751.6	749.1	751.6
7.5°	600.3	582.6	565.0	570.0
10°	601.5	600.3	599.0	597.8
12.5°	435.1	421.2	407.3	398.5
15°	369.5	365.7	360.7	360.7
17.5°	249.7	238.3	227.0	219.4
20°	213.1	219.4	224.5	227.0
22.5°	158.9	163.9	169.0	171.5
25°	167.7	180.3	191.7	192.9
27.5°	116.0	122.3	127.4	124.8
30°	113.5	117.3	121.1	121.1
32.5°	97.1	107.2	117.3	118.5
35°	97.1	102.1	107.2	108.5
37.5°	87.0	90.8	93.3	94.6
40°	78.2	80.7	82.0	82.0
42.5°	69.4	75.7	80.7	80.7
45°	61.8	78.2	94.6	99.6
47.5°	60.5	84.5	108.5	113.5
50°	65.6	88.3	109.7	112.2
52.5°	66.8	79.4	90.8	90.8
55°	53.0	59.3	64.3	63.1
57.5°	45.4	50.4	54.2	54.2
60°	42.9	49.2	54.2	55.5
62.5°	41.6	44.1	46.7	49.2
65°	37.8	37.8	37.8	37.8
67.5°	35.3	35.3	34.0	34.0
70°	31.5	31.5	31.5	31.5
72.5°	29.0	29.0	29.0	27.7
75°	26.5	26.5	25.2	25.2
77.5°	22.7	22.7	22.7	22.7
80°	20.2	20.2	18.9	18.9
82.5°	16.4	16.4	15.1	13.9
85°	10.1	10.1	8.8	7.6
87.5°	3.8	3.8	2.5	1.3
90°	0.0	0.0	0.0	0.0



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