

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: P560467

Luminaire Tested: **SDL-PA1-40-830-U-SL3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560467
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-PA1-40-830-U-SL3
Description: Springdale
(1) 80 CRI, 3000K, 500mA 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: 3919.4 lumens
Efficiency: N/A
Efficacy: 99.5 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): 39.4
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



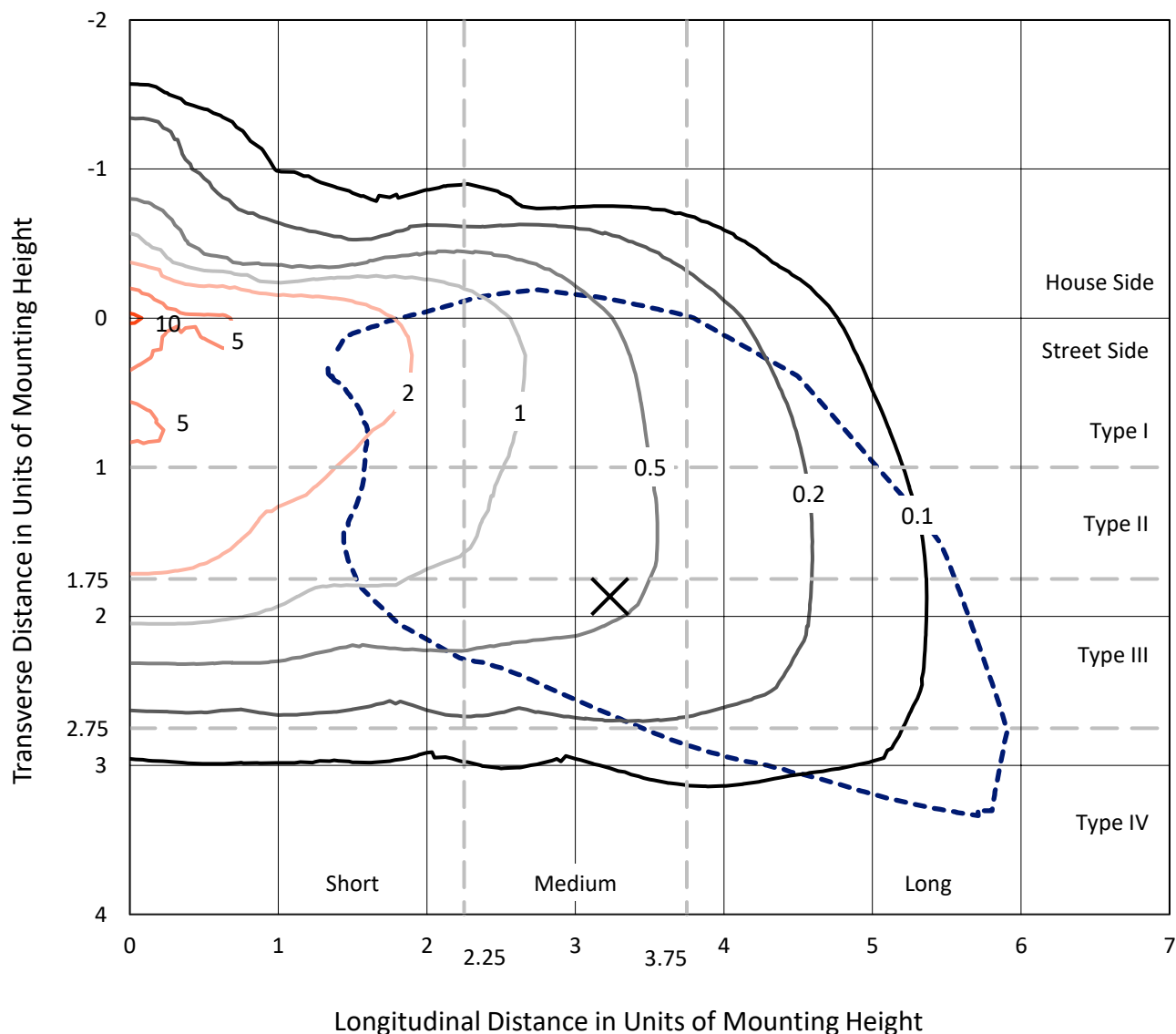
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

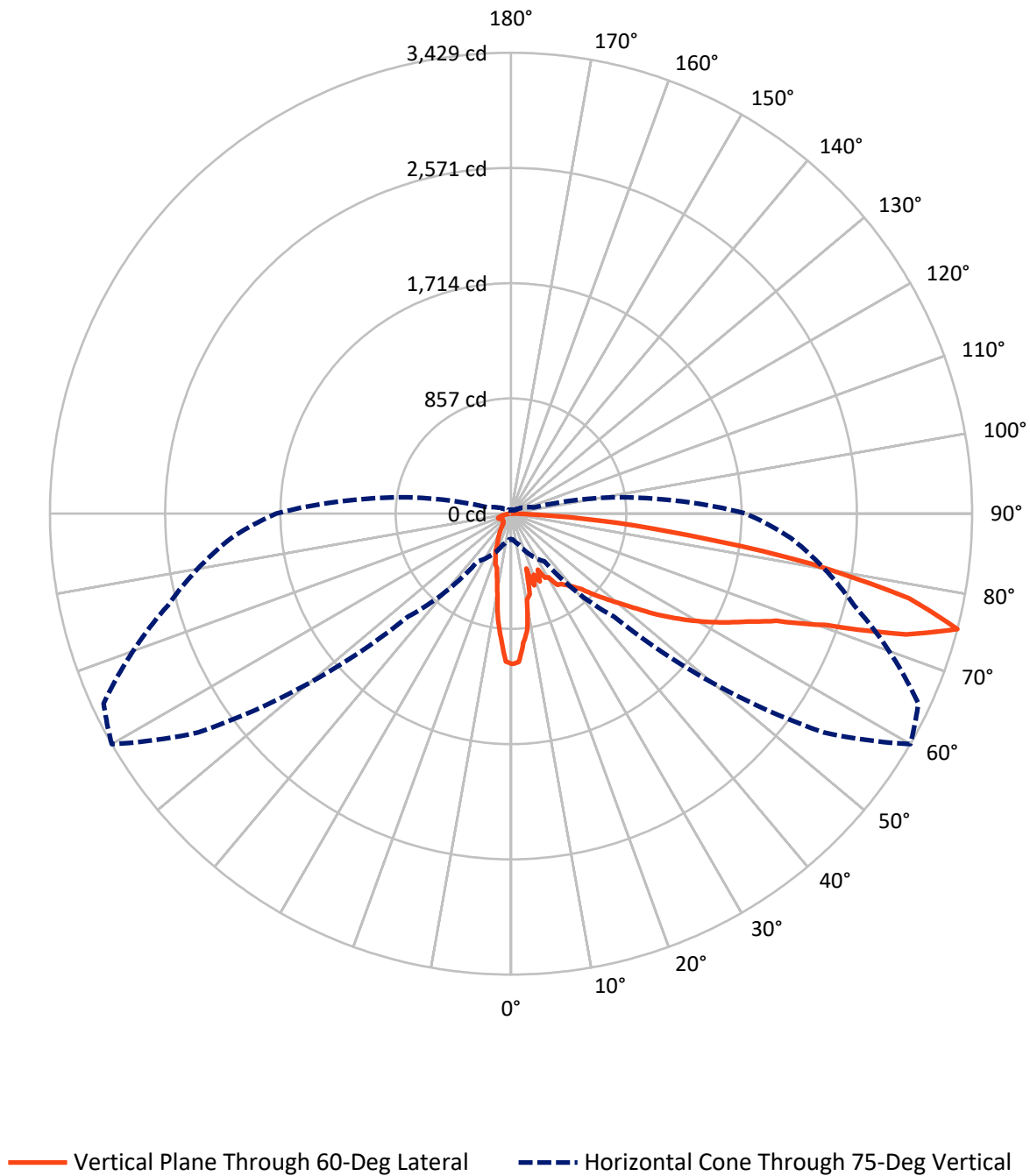


Based on 10 foot mounting height. Maximum calculated value = 11.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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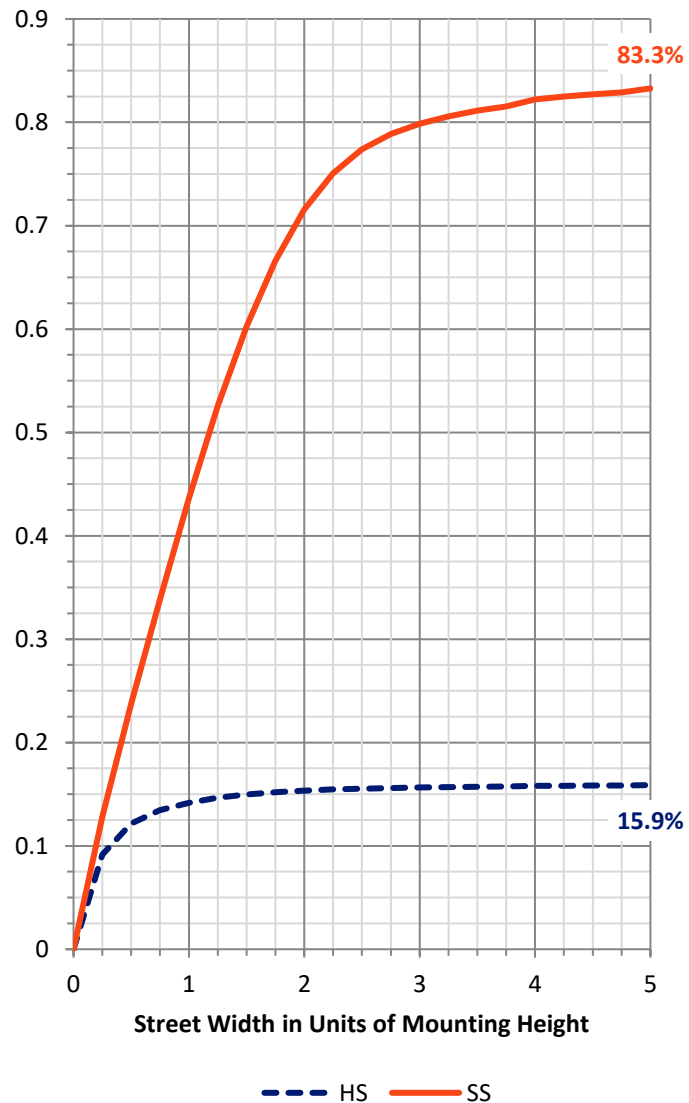
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	630.0	0.0	630.0
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	3289.4	0.0	3289.4
	% Fixture	83.9	0.0	83.9
Total	Lumens	3919.4	0.0	3919.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.6	2.1
10°-20°	147.1	3.8
20°-30°	192.8	4.9
30°-40°	318.1	8.1
40°-50°	496.7	12.7
50°-60°	756.2	19.3
60°-70°	937.0	23.9
70°-80°	827.7	21.1
80°-90°	162.3	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°	3919.4	100.0
0°-180°	3919.4	100.0

Coefficient of Utilization



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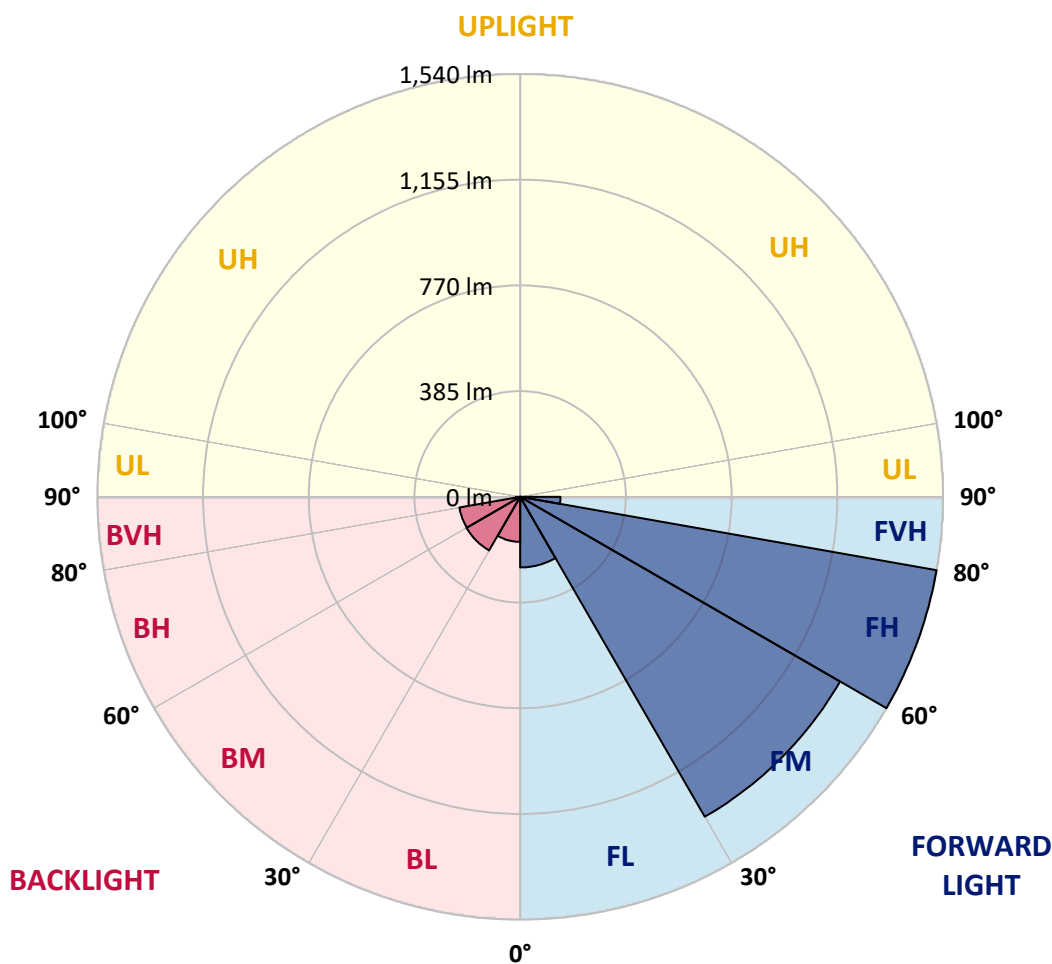
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	257.3	6.6			
FM	(30°-60°)	1345.3	34.3			
FH	(60°-80°)	1540.0	39.3			G1/1800
FVH	(80°-90°)	146.8	3.7			G2/225
BL	(0°-30°)	164.1	4.2	B1/500		
BM	(30°-60°)	225.7	5.8	B1/1000		
BH	(60°-80°)	224.7	5.7	B1/500		G1/500
BVH	(80°-90°)	15.5	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°	1118.0	1118.0	1118.0	1118.0	1118.0	1118.0	1118.0	1118.0	1118.0	1118.0	1118.0
2.5°	928.5	1033.3	1008.9	984.5	1021.8	1057.7	1069.2	1079.2	1085.0	1090.7	1096.4
5°	862.5	863.9	865.4	866.8	871.1	874.0	879.7	885.5	891.2	895.5	901.3
7.5°	665.9	688.9	726.2	763.5	786.5	808.0	820.9	832.4	841.0	849.6	858.2
10°	740.5	744.8	746.3	746.3	753.4	760.6	706.1	650.1	677.4	704.6	674.5
12.5°	581.2	597.0	644.4	690.3	704.6	717.6	691.7	665.9	625.7	584.1	581.2
15°	667.3	671.6	673.1	673.1	628.6	584.1	554.0	522.4	546.8	569.7	516.6
17.5°	516.6	521.0	558.3	595.6	602.8	609.9	578.4	546.8	476.5	404.7	472.2
20°	614.2	617.1	617.1	617.1	542.5	467.9	473.6	477.9	500.9	523.8	505.2
22.5°	495.1	495.1	495.1	495.1	518.1	539.6	493.7	447.8	473.6	499.4	476.5
25°	622.8	627.2	617.1	605.6	536.7	467.9	489.4	510.9	472.2	433.4	467.9
27.5°	568.3	564.0	543.9	522.4	532.4	542.5	495.1	447.8	477.9	508.0	493.7
30°	754.9	742.0	720.4	698.9	617.1	535.3	522.4	509.5	483.6	456.4	486.5
32.5°	1003.2	970.1	869.7	769.2	719.0	668.8	604.2	539.6	533.9	526.7	535.3
35°	1069.2	1047.6	1006.0	963.0	876.9	789.3	707.5	624.3	597.0	568.3	574.1
37.5°	1082.1	1074.9	1066.3	1056.3	968.7	881.2	792.2	703.2	674.5	644.4	622.8
40°	1092.1	1097.9	1113.7	1128.0	1040.5	951.5	871.1	789.3	759.2	727.6	690.3
42.5°	1138.1	1153.8	1173.9	1192.6	1112.2	1031.9	961.5	891.2	852.5	813.7	779.3
45°	1244.3	1252.9	1274.4	1294.5	1218.4	1140.9	1060.6	978.8	945.7	912.7	878.3
47.5°	1399.3	1413.6	1412.2	1410.7	1326.1	1240.0	1149.5	1057.7	1036.2	1013.2	980.2
50°	1594.4	1584.4	1557.1	1529.8	1438.0	1344.7	1238.5	1130.9	1120.8	1109.4	1082.1
52.5°	1692.0	1684.8	1647.5	1608.8	1515.5	1422.2	1307.4	1191.2	1204.1	1217.0	1191.2
55°	1697.8	1693.5	1666.2	1638.9	1548.5	1458.1	1356.2	1254.3	1285.9	1317.4	1307.4
57.5°	1656.1	1657.6	1649.0	1638.9	1558.5	1478.2	1393.5	1308.8	1363.4	1416.5	1426.5
60°	1549.9	1571.5	1585.8	1600.2	1549.9	1499.7	1426.5	1353.3	1436.6	1519.8	1547.1
62.5°	1353.3	1372.0	1423.6	1473.9	1483.9	1492.5	1443.7	1393.5	1505.4	1616.0	1660.4
65°	1049.1	1074.9	1152.4	1229.9	1310.3	1390.6	1402.1	1413.6	1603.0	1792.5	1829.8
67.5°	654.4	668.8	750.6	830.9	993.1	1153.8	1245.7	1337.5	1664.7	1990.5	2049.4
70°	345.9	367.4	407.6	446.3	585.5	724.7	911.3	1097.9	1571.5	2045.1	2286.2
72.5°	262.6	271.2	292.8	314.3	363.1	411.9	529.6	647.2	1229.9	1811.1	2366.5
75°	189.4	196.6	219.6	241.1	289.9	337.3	386.0	433.4	759.2	1085.0	1961.8
77.5°	110.5	113.4	124.9	134.9	211.0	287.0	340.1	391.8	470.7	548.2	1400.7
80°	76.1	77.5	81.8	86.1	119.1	152.1	254.0	355.9	391.8	426.2	928.5
82.5°	50.2	57.4	60.3	63.1	74.6	86.1	149.3	211.0	310.0	407.6	634.3
85°	25.8	28.7	34.4	38.7	44.5	48.8	67.5	84.7	256.9	427.7	456.4
87.5°	2.9	4.3	5.7	5.7	7.2	8.6	12.9	17.2	77.5	137.8	117.7
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°	1118.0	1118.0	1118.0	1118.0	1118.0	1118.0	1118.0	1118.0	1118.0	1118.0	1118.0
2.5°	1102.2	1105.0	1103.6	1106.5	1107.9	1109.4	1110.8	1110.8	1109.4	1106.5	1103.6
5°	907.0	964.4	1062.0	1072.0	1082.1	1085.0	1087.8	1089.3	1086.4	1082.1	1077.8
7.5°	865.4	874.0	786.5	856.8	925.7	931.4	935.7	932.8	934.3	895.5	855.3
10°	644.4	651.5	654.4	675.9	696.0	743.4	790.8	783.6	777.8	709.0	638.6
12.5°	578.4	615.7	624.3	588.4	552.5	601.3	650.1	644.4	634.3	571.2	508.0
15°	463.5	424.8	508.0	585.5	661.6	707.5	752.0	739.1	727.6	647.2	565.4
17.5°	538.2	561.1	533.9	545.3	556.8	591.3	624.3	604.2	597.0	541.0	483.6
20°	486.5	485.1	466.4	533.9	601.3	668.8	734.8	714.7	680.3	571.2	460.7
22.5°	453.5	546.8	587.0	578.4	568.3	542.5	515.2	498.0	472.2	447.8	421.9
25°	500.9	462.1	493.7	597.0	698.9	717.6	736.2	693.2	637.2	526.7	416.2
27.5°	479.3	539.6	579.8	648.7	716.1	780.7	845.3	787.9	714.7	576.9	437.7
30°	516.6	549.7	661.6	790.8	919.9	942.9	964.4	885.5	787.9	648.7	509.5
32.5°	543.9	631.5	730.5	830.9	930.0	947.2	964.4	875.4	763.5	609.9	456.4
35°	578.4	642.9	733.4	851.0	968.7	973.0	975.9	872.6	746.3	572.6	397.5
37.5°	601.3	674.5	772.1	897.0	1021.8	1013.2	1003.2	885.5	740.5	546.8	353.0
40°	653.0	716.1	820.9	948.6	1076.3	1062.0	1047.6	912.7	742.0	521.0	298.5
42.5°	743.4	767.8	881.2	1017.5	1153.8	1138.1	1120.8	960.1	759.2	506.6	252.6
45°	842.4	853.9	951.5	1106.5	1261.5	1241.4	1221.3	1033.3	790.8	499.4	208.1
47.5°	945.7	942.9	1033.3	1221.3	1407.9	1364.8	1321.8	1119.4	849.6	513.8	178.0
50°	1053.4	1049.1	1136.6	1339.0	1541.3	1495.4	1449.5	1222.7	917.0	539.6	160.7
52.5°	1163.9	1173.9	1238.5	1449.5	1659.0	1617.4	1574.3	1334.7	983.1	568.3	153.6
55°	1295.9	1327.5	1353.3	1564.3	1775.3	1733.6	1690.6	1449.5	1074.9	612.8	150.7
57.5°	1435.1	1476.7	1488.2	1680.5	1872.8	1845.6	1816.9	1558.5	1168.2	664.5	159.3
60°	1574.3	1628.9	1670.5	1825.5	1979.0	1947.5	1915.9	1669.1	1255.7	721.9	188.0
62.5°	1703.5	1779.6	1847.0	1960.4	2072.3	2035.0	1997.7	1765.2	1354.8	800.8	245.4
65°	1865.7	1933.1	2006.3	2080.9	2154.1	2118.2	2082.4	1885.8	1486.8	899.8	311.4
67.5°	2108.2	2128.3	2165.6	2211.5	2256.0	2234.5	2211.5	2033.6	1601.6	957.2	311.4
70°	2525.8	2481.3	2425.4	2423.9	2421.1	2386.6	2350.7	2116.8	1608.8	934.3	259.8
72.5°	2920.5	3072.6	2894.7	2765.5	2636.3	2484.2	2330.6	2004.9	1420.8	813.7	206.7
75°	2837.2	3428.5	3342.4	2992.2	2642.1	2366.5	2091.0	1746.6	1169.6	673.1	176.5
77.5°	2251.7	3025.3	3107.1	2785.6	2462.7	2089.5	1715.0	1350.5	810.8	479.3	147.8
80°	1429.4	2261.8	2276.1	1977.6	1677.7	1277.3	876.9	588.4	390.4	254.0	117.7
82.5°	861.1	1339.0	1165.3	835.2	505.2	350.2	193.7	186.6	143.5	106.2	68.9
85°	485.1	655.9	470.7	308.6	146.4	104.8	61.7	66.0	63.1	51.7	38.7
87.5°	96.2	113.4	77.5	44.5	11.5	11.5	10.0	10.0	7.2	7.2	5.7
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°	1118.0	1118.0	1118.0	1118.0	1118.0	1118.0	1118.0	1118.0	1118.0	1118.0	1118.0
2.5°	1103.6	1103.6	1100.7	1097.9	1096.4	1095.0	1051.9	1008.9	980.2	950.1	942.9
5°	1024.7	971.6	931.4	891.2	882.6	874.0	872.6	871.1	866.8	861.1	859.6
7.5°	809.4	762.1	795.1	826.6	820.9	813.7	809.4	803.7	793.6	783.6	733.4
10°	622.8	607.1	607.1	605.6	594.1	582.7	608.5	634.3	663.0	691.7	688.9
12.5°	531.0	552.5	496.6	439.1	470.7	500.9	529.6	556.8	571.2	585.5	541.0
15°	500.9	434.8	416.2	397.5	411.9	426.2	384.6	341.6	374.6	407.6	414.8
17.5°	449.2	414.8	396.1	376.0	321.5	265.5	284.2	302.8	301.4	299.9	292.8
20°	419.1	376.0	343.0	308.6	282.7	256.9	229.6	200.9	188.0	173.7	208.1
22.5°	399.0	376.0	307.1	238.2	218.1	198.0	176.5	153.6	162.2	169.3	175.1
25°	348.7	279.9	241.1	202.4	170.8	137.8	139.2	140.6	133.5	126.3	159.3
27.5°	353.0	266.9	206.7	146.4	134.9	122.0	114.8	106.2	117.7	127.7	130.6
30°	370.3	231.1	175.1	119.1	106.2	93.3	97.6	100.5	100.5	100.5	114.8
32.5°	328.6	200.9	149.3	96.2	89.0	80.4	81.8	81.8	89.0	96.2	103.3
35°	278.4	157.9	122.0	84.7	77.5	70.3	73.2	76.1	83.2	90.4	100.5
37.5°	239.7	124.9	100.5	76.1	71.8	67.5	68.9	70.3	77.5	83.2	91.8
40°	202.4	104.8	89.0	73.2	68.9	64.6	66.0	66.0	71.8	77.5	83.2
42.5°	175.1	96.2	84.7	71.8	67.5	61.7	63.1	63.1	67.5	71.8	76.1
45°	150.7	91.8	81.8	70.3	66.0	60.3	60.3	58.8	63.1	66.0	68.9
47.5°	134.9	90.4	80.4	70.3	64.6	57.4	56.0	54.5	58.8	61.7	66.0
50°	126.3	90.4	80.4	68.9	61.7	54.5	53.1	51.7	57.4	61.7	68.9
52.5°	123.4	91.8	80.4	68.9	60.3	51.7	51.7	51.7	61.7	71.8	74.6
55°	123.4	94.7	81.8	67.5	58.8	50.2	53.1	56.0	58.8	61.7	61.7
57.5°	126.3	93.3	78.9	64.6	58.8	51.7	50.2	48.8	50.2	51.7	51.7
60°	139.2	90.4	76.1	61.7	54.5	47.4	45.9	44.5	47.4	48.8	48.8
62.5°	167.9	89.0	76.1	61.7	53.1	44.5	44.5	43.1	44.5	45.9	47.4
65°	205.2	99.0	80.4	61.7	53.1	44.5	41.6	38.7	41.6	43.1	43.1
67.5°	213.8	116.2	93.3	68.9	56.0	43.1	40.2	37.3	40.2	41.6	41.6
70°	193.7	127.7	100.5	73.2	58.8	43.1	40.2	35.9	37.3	38.7	37.3
72.5°	166.5	124.9	99.0	71.8	57.4	41.6	38.7	34.4	35.9	35.9	34.4
75°	142.1	107.6	84.7	60.3	48.8	35.9	33.0	30.1	31.6	31.6	31.6
77.5°	119.1	89.0	68.9	47.4	38.7	28.7	27.3	25.8	27.3	28.7	27.3
80°	93.3	67.5	51.7	34.4	28.7	21.5	23.0	23.0	24.4	24.4	24.4
82.5°	54.5	40.2	33.0	24.4	20.1	15.8	17.2	18.7	20.1	20.1	20.1
85°	33.0	25.8	21.5	17.2	14.4	10.0	12.9	14.4	14.4	14.4	12.9
87.5°	5.7	5.7	5.7	5.7	4.3	2.9	5.7	7.2	7.2	7.2	5.7
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°	1118.0	1118.0	1118.0	1118.0
2.5°	934.3	934.3	932.8	932.8
5°	858.2	855.3	852.5	855.3
7.5°	683.1	663.0	642.9	648.7
10°	684.6	683.1	681.7	680.3
12.5°	495.1	479.3	463.5	453.5
15°	420.5	416.2	410.4	410.4
17.5°	284.2	271.2	258.3	249.7
20°	242.5	249.7	255.5	258.3
22.5°	180.8	186.6	192.3	195.2
25°	190.9	205.2	218.1	219.6
27.5°	132.0	139.2	144.9	142.1
30°	129.2	133.5	137.8	137.8
32.5°	110.5	122.0	133.5	134.9
35°	110.5	116.2	122.0	123.4
37.5°	99.0	103.3	106.2	107.6
40°	89.0	91.8	93.3	93.3
42.5°	78.9	86.1	91.8	91.8
45°	70.3	89.0	107.6	113.4
47.5°	68.9	96.2	123.4	129.2
50°	74.6	100.5	124.9	127.7
52.5°	76.1	90.4	103.3	103.3
55°	60.3	67.5	73.2	71.8
57.5°	51.7	57.4	61.7	61.7
60°	48.8	56.0	61.7	63.1
62.5°	47.4	50.2	53.1	56.0
65°	43.1	43.1	43.1	43.1
67.5°	40.2	40.2	38.7	38.7
70°	35.9	35.9	35.9	35.9
72.5°	33.0	33.0	33.0	31.6
75°	30.1	30.1	28.7	28.7
77.5°	25.8	25.8	25.8	25.8
80°	23.0	23.0	21.5	21.5
82.5°	18.7	18.7	17.2	15.8
85°	11.5	11.5	10.0	8.6
87.5°	4.3	4.3	2.9	1.4
90°	0.0	0.0	0.0	0.0

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