

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: P560335

Luminaire Tested: **SDL-PA1-40-727-U-SL3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560335
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-PA1-40-727-U-SL3
Description: Springdale
(1) 70 CRI, 2700K, 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: 4124.9 lumens
Efficiency: N/A
Efficacy: 104.7 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

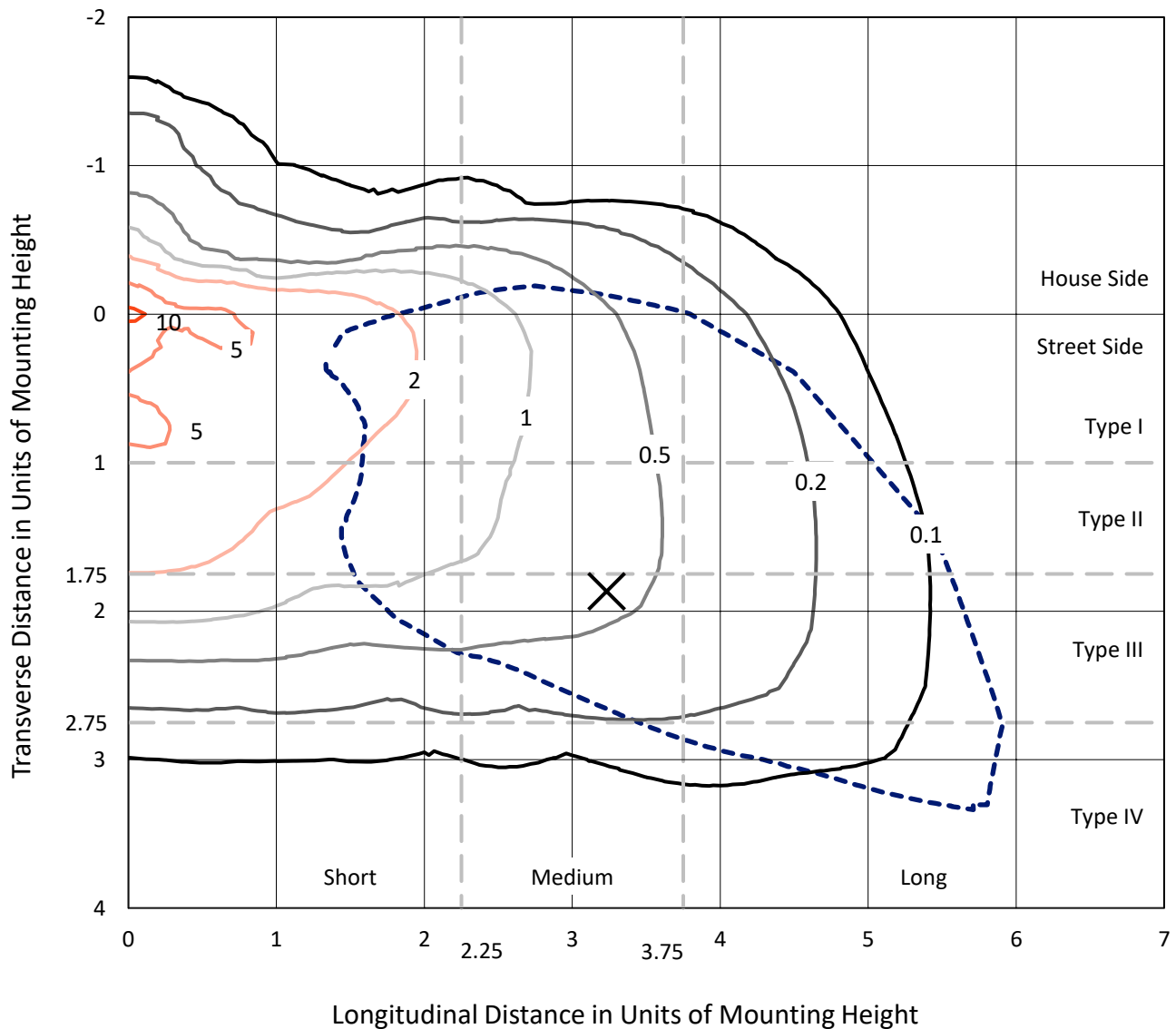


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

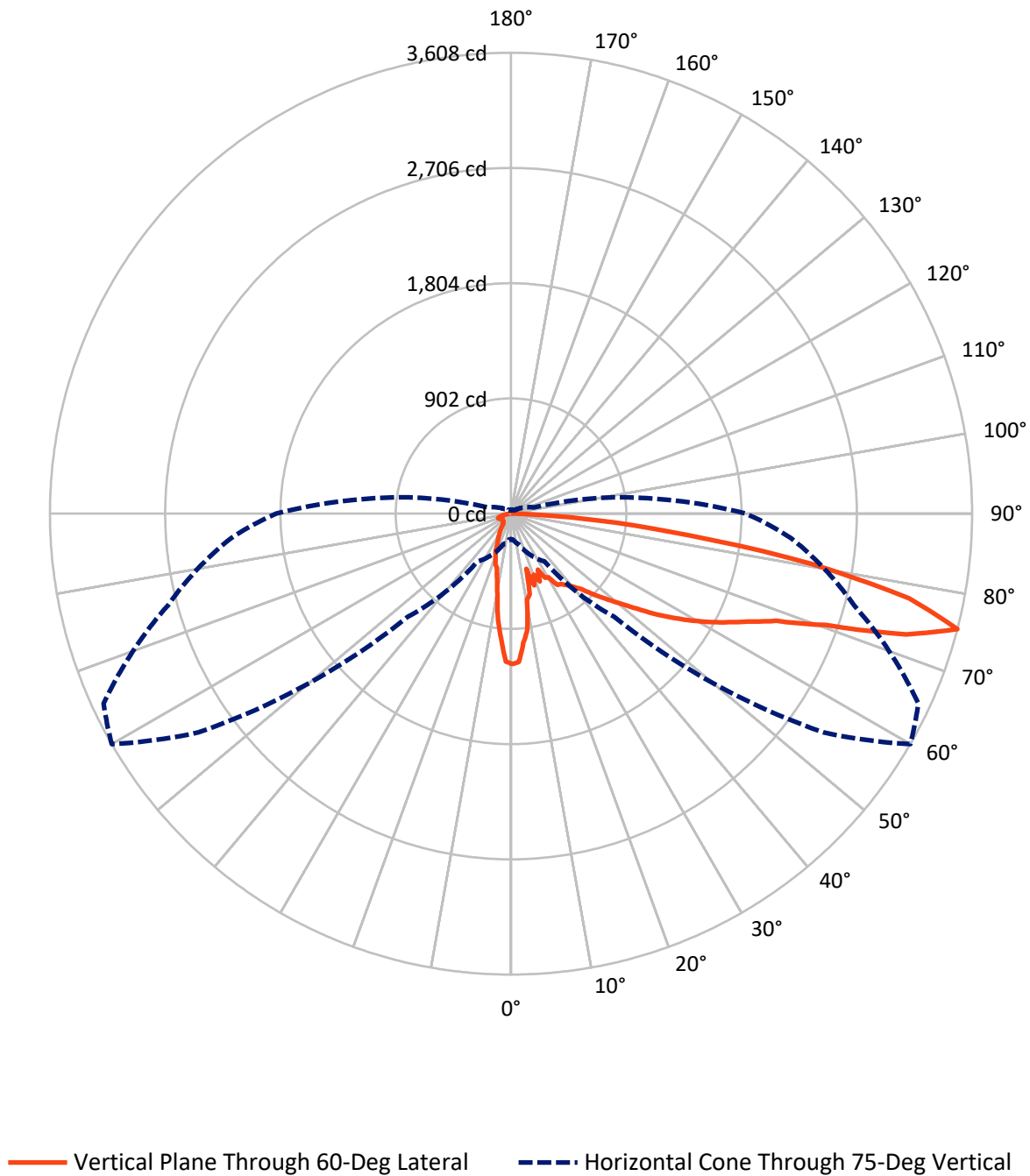


Based on 10 foot mounting height. Maximum calculated value = 11.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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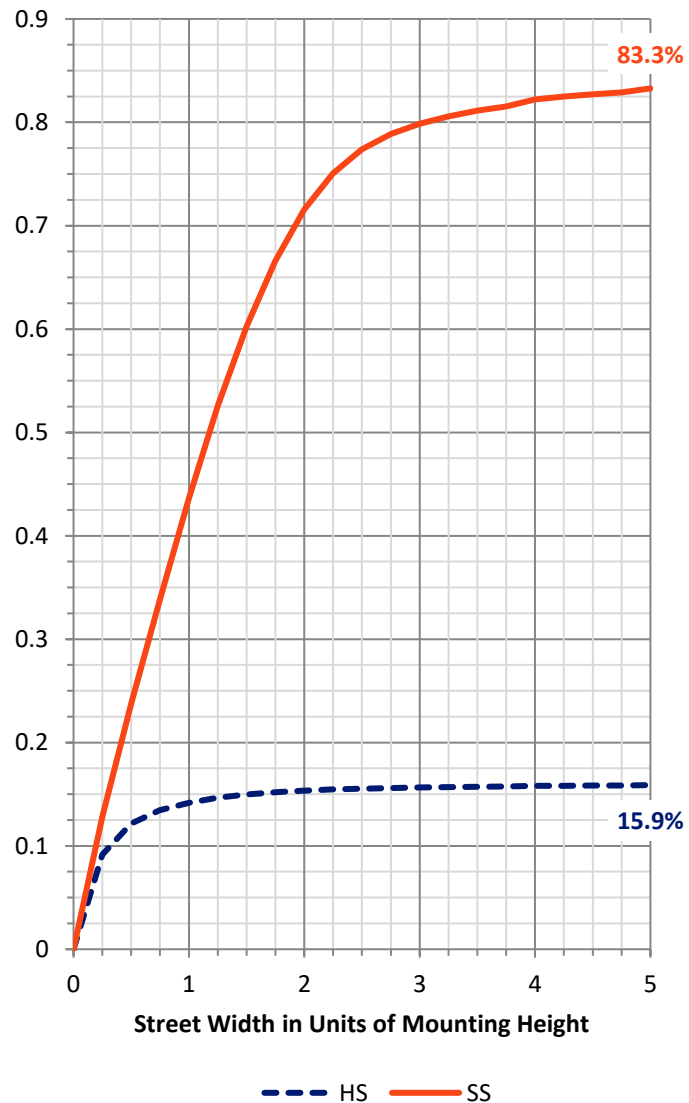
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	663.0	0.0	663.0
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	3461.9	0.0	3461.9
	% Fixture	83.9	0.0	83.9
Total	Lumens	4124.9	0.0	4124.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.8	2.1
10°-20°	154.9	3.8
20°-30°	202.9	4.9
30°-40°	334.7	8.1
40°-50°	522.8	12.7
50°-60°	795.9	19.3
60°-70°	986.1	23.9
70°-80°	871.1	21.1
80°-90°	170.8	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°	4124.9	100.0
0°-180°	4124.9	100.0

Coefficient of Utilization



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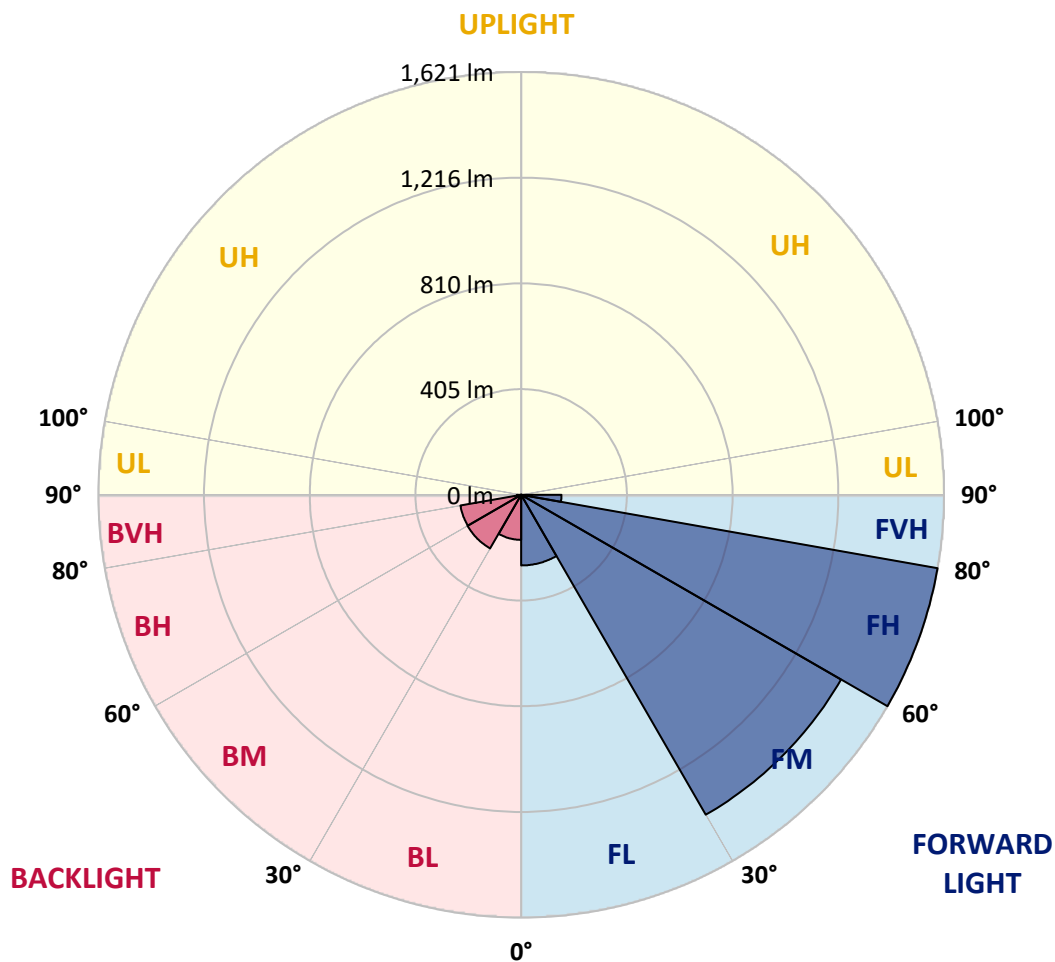
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	270.8	6.6			
FM	(30°-60°)	1415.8	34.3			
FH	(60°-80°)	1620.8	39.3			G1/1800
FVH	(80°-90°)	154.5	3.7			G2/225
BL	(0°-30°)	172.7	4.2	B1/500		
BM	(30°-60°)	237.6	5.8	B1/1000		
BH	(60°-80°)	236.4	5.7	B1/500		G1/500
BVH	(80°-90°)	16.3	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°	1176.6	1176.6	1176.6	1176.6	1176.6	1176.6	1176.6	1176.6	1176.6	1176.6	1176.6
2.5°	977.2	1087.5	1061.8	1036.1	1075.4	1113.1	1125.2	1135.8	1141.8	1147.9	1153.9
5°	907.7	909.2	910.8	912.3	916.8	919.8	925.9	931.9	937.9	942.5	948.5
7.5°	700.8	725.0	764.3	803.5	827.7	850.3	863.9	876.0	885.1	894.1	903.2
10°	779.4	783.9	785.4	785.4	792.9	800.5	743.1	684.2	712.9	741.6	709.9
12.5°	611.7	628.3	678.2	726.5	741.6	755.2	728.0	700.8	658.5	614.7	611.7
15°	702.3	706.9	708.4	708.4	661.5	614.7	583.0	549.8	575.5	599.6	543.7
17.5°	543.7	548.3	587.5	626.8	634.4	641.9	608.7	575.5	501.4	425.9	496.9
20°	646.4	649.5	649.5	649.5	570.9	492.4	498.4	503.0	527.1	551.3	531.7
22.5°	521.1	521.1	521.1	521.1	545.2	567.9	519.6	471.2	498.4	525.6	501.4
25°	655.5	660.0	649.5	637.4	564.9	492.4	515.0	537.7	496.9	456.1	492.4
27.5°	598.1	593.6	572.4	549.8	560.4	570.9	521.1	471.2	503.0	534.7	519.6
30°	794.5	780.9	758.2	735.6	649.5	563.4	549.8	536.2	509.0	480.3	512.0
32.5°	1055.8	1021.0	915.3	809.6	756.7	703.8	635.9	567.9	561.9	554.3	563.4
35°	1125.2	1102.6	1058.8	1013.5	922.8	830.7	744.6	657.0	628.3	598.1	604.2
37.5°	1138.8	1131.3	1122.2	1111.6	1019.5	927.4	833.7	740.1	709.9	678.2	655.5
40°	1149.4	1155.4	1172.1	1187.2	1095.0	1001.4	916.8	830.7	799.0	765.8	726.5
42.5°	1197.7	1214.3	1235.5	1255.1	1170.5	1086.0	1012.0	937.9	897.2	856.4	820.1
45°	1309.5	1318.6	1341.2	1362.4	1282.3	1200.8	1116.2	1030.1	995.3	960.6	924.4
47.5°	1472.6	1487.7	1486.2	1484.7	1395.6	1305.0	1209.8	1113.1	1090.5	1066.3	1031.6
50°	1678.0	1667.5	1638.8	1610.1	1513.4	1415.2	1303.5	1190.2	1179.6	1167.5	1138.8
52.5°	1780.7	1773.2	1733.9	1693.1	1595.0	1496.8	1376.0	1253.6	1267.2	1280.8	1253.6
55°	1786.8	1782.2	1753.5	1724.9	1629.7	1534.5	1427.3	1320.1	1353.3	1386.5	1376.0
57.5°	1743.0	1744.5	1735.4	1724.9	1640.3	1555.7	1466.6	1377.5	1434.9	1490.7	1501.3
60°	1631.2	1653.9	1669.0	1684.1	1631.2	1578.3	1501.3	1424.3	1511.9	1599.5	1628.2
62.5°	1424.3	1443.9	1498.3	1551.2	1561.7	1570.8	1519.4	1466.6	1584.4	1700.7	1747.5
65°	1104.1	1131.3	1212.8	1294.4	1379.0	1463.6	1475.6	1487.7	1687.1	1886.5	1925.7
67.5°	688.7	703.8	789.9	874.5	1045.2	1214.3	1311.0	1407.7	1752.0	2094.9	2156.8
70°	364.0	386.7	428.9	469.7	616.2	762.7	959.1	1155.4	1653.9	2152.3	2406.0
72.5°	276.4	285.5	308.1	330.8	382.1	433.5	557.3	681.2	1294.4	1906.1	2490.6
75°	199.4	206.9	231.1	253.7	305.1	354.9	406.3	456.1	799.0	1141.8	2064.7
77.5°	116.3	119.3	131.4	142.0	222.0	302.1	358.0	412.3	495.4	577.0	1474.1
80°	80.1	81.6	86.1	90.6	125.4	160.1	267.3	374.6	412.3	448.6	977.2
82.5°	52.9	60.4	63.4	66.5	78.5	90.6	157.1	222.0	326.2	428.9	667.6
85°	27.2	30.2	36.2	40.8	46.8	51.4	71.0	89.1	270.4	450.1	480.3
87.5°	3.0	4.5	6.0	6.0	7.6	9.1	13.6	18.1	81.6	145.0	123.9
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1176.6	1176.6	1176.6	1176.6	1176.6	1176.6	1176.6	1176.6	1176.6	1176.6	1176.6
2.5°	1160.0	1163.0	1161.5	1164.5	1166.0	1167.5	1169.0	1169.0	1167.5	1164.5	1161.5
5°	954.6	1015.0	1117.7	1128.3	1138.8	1141.8	1144.9	1146.4	1143.4	1138.8	1134.3
7.5°	910.8	919.8	827.7	901.7	974.2	980.2	984.8	981.7	983.3	942.5	900.2
10°	678.2	685.7	688.7	711.4	732.5	782.4	832.2	824.7	818.6	746.1	672.1
12.5°	608.7	648.0	657.0	619.3	581.5	632.8	684.2	678.2	667.6	601.1	534.7
15°	487.9	447.1	534.7	616.2	696.3	744.6	791.4	777.8	765.8	681.2	595.1
17.5°	566.4	590.6	561.9	573.9	586.0	622.3	657.0	635.9	628.3	569.4	509.0
20°	512.0	510.5	490.9	561.9	632.8	703.8	773.3	752.2	715.9	601.1	484.8
22.5°	477.3	575.5	617.7	608.7	598.1	570.9	542.2	524.1	496.9	471.2	444.1
25°	527.1	486.3	519.6	628.3	735.6	755.2	774.8	729.5	670.6	554.3	438.0
27.5°	504.5	567.9	610.2	682.7	753.7	821.6	889.6	829.2	752.2	607.2	460.7
30°	543.7	578.5	696.3	832.2	968.2	992.3	1015.0	931.9	829.2	682.7	536.2
32.5°	572.4	664.6	768.8	874.5	978.7	996.8	1015.0	921.3	803.5	641.9	480.3
35°	608.7	676.6	771.8	895.7	1019.5	1024.0	1027.1	918.3	785.4	602.6	418.4
37.5°	632.8	709.9	812.6	944.0	1075.4	1066.3	1055.8	931.9	779.4	575.5	371.6
40°	687.2	753.7	863.9	998.4	1132.8	1117.7	1102.6	960.6	780.9	548.3	314.2
42.5°	782.4	808.1	927.4	1070.9	1214.3	1197.7	1179.6	1010.4	799.0	533.2	265.8
45°	886.6	898.7	1001.4	1164.5	1327.6	1306.5	1285.3	1087.5	832.2	525.6	219.0
47.5°	995.3	992.3	1087.5	1285.3	1481.7	1436.4	1391.1	1178.1	894.1	540.7	187.3
50°	1108.6	1104.1	1196.2	1409.2	1622.1	1573.8	1525.5	1286.8	965.1	567.9	169.2
52.5°	1224.9	1235.5	1303.5	1525.5	1746.0	1702.2	1656.9	1404.7	1034.6	598.1	161.6
55°	1363.9	1397.1	1424.3	1646.3	1868.3	1824.5	1779.2	1525.5	1131.3	644.9	158.6
57.5°	1510.4	1554.2	1566.3	1768.7	1971.0	1942.3	1912.1	1640.3	1229.4	699.3	167.7
60°	1656.9	1714.3	1758.1	1921.2	2082.8	2049.6	2016.4	1756.6	1321.6	759.7	197.9
62.5°	1792.8	1872.9	1943.9	2063.2	2181.0	2141.7	2102.4	1857.8	1425.8	842.8	258.3
65°	1963.5	2034.5	2111.5	2190.0	2267.1	2229.3	2191.6	1984.6	1564.8	947.0	327.8
67.5°	2218.7	2239.9	2279.2	2327.5	2374.3	2351.7	2327.5	2140.2	1685.6	1007.4	327.8
70°	2658.3	2611.4	2552.5	2551.0	2548.0	2511.8	2474.0	2227.8	1693.1	983.3	273.4
72.5°	3073.6	3233.7	3046.4	2910.5	2774.6	2614.5	2452.9	2110.0	1495.3	856.4	217.5
75°	2986.0	3608.3	3517.7	3149.1	2780.6	2490.6	2200.6	1838.1	1231.0	708.4	185.8
77.5°	2369.8	3183.9	3270.0	2931.6	2591.8	2199.1	1804.9	1421.3	853.4	504.5	155.6
80°	1504.3	2380.4	2395.5	2081.3	1765.6	1344.2	922.8	619.3	410.8	267.3	123.9
82.5°	906.2	1409.2	1226.4	879.0	531.7	368.5	203.9	196.3	151.0	111.8	72.5
85°	510.5	690.2	495.4	324.7	154.1	110.3	64.9	69.5	66.5	54.4	40.8
87.5°	101.2	119.3	81.6	46.8	12.1	12.1	10.6	10.6	7.6	7.6	6.0
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°	1176.6	1176.6	1176.6	1176.6	1176.6	1176.6	1176.6	1176.6	1176.6	1176.6	1176.6
2.5°	1161.5	1161.5	1158.5	1155.4	1153.9	1152.4	1107.1	1061.8	1031.6	999.9	992.3
5°	1078.4	1022.5	980.2	937.9	928.9	919.8	918.3	916.8	912.3	906.2	904.7
7.5°	851.9	802.0	836.7	870.0	863.9	856.4	851.9	845.8	835.2	824.7	771.8
10°	655.5	638.9	638.9	637.4	625.3	613.2	640.4	667.6	697.8	728.0	725.0
12.5°	558.8	581.5	522.6	462.2	495.4	527.1	557.3	586.0	601.1	616.2	569.4
15°	527.1	457.6	438.0	418.4	433.5	448.6	404.8	359.5	394.2	428.9	436.5
17.5°	472.7	436.5	416.9	395.7	338.3	279.4	299.1	318.7	317.2	315.7	308.1
20°	441.0	395.7	361.0	324.7	297.5	270.4	241.7	211.5	197.9	182.8	219.0
22.5°	419.9	395.7	323.2	250.7	229.6	208.4	185.8	161.6	170.7	178.2	184.3
25°	367.0	294.5	253.7	213.0	179.7	145.0	146.5	148.0	140.5	132.9	167.7
27.5°	371.6	280.9	217.5	154.1	142.0	128.4	120.8	111.8	123.9	134.4	137.4
30°	389.7	243.2	184.3	125.4	111.8	98.2	102.7	105.7	105.7	105.7	120.8
32.5°	345.9	211.5	157.1	101.2	93.6	84.6	86.1	86.1	93.6	101.2	108.7
35°	293.0	166.1	128.4	89.1	81.6	74.0	77.0	80.1	87.6	95.2	105.7
37.5°	252.2	131.4	105.7	80.1	75.5	71.0	72.5	74.0	81.6	87.6	96.7
40°	213.0	110.3	93.6	77.0	72.5	68.0	69.5	69.5	75.5	81.6	87.6
42.5°	184.3	101.2	89.1	75.5	71.0	64.9	66.5	66.5	71.0	75.5	80.1
45°	158.6	96.7	86.1	74.0	69.5	63.4	63.4	61.9	66.5	69.5	72.5
47.5°	142.0	95.2	84.6	74.0	68.0	60.4	58.9	57.4	61.9	64.9	69.5
50°	132.9	95.2	84.6	72.5	64.9	57.4	55.9	54.4	60.4	64.9	72.5
52.5°	129.9	96.7	84.6	72.5	63.4	54.4	54.4	54.4	64.9	75.5	78.5
55°	129.9	99.7	86.1	71.0	61.9	52.9	55.9	58.9	61.9	64.9	64.9
57.5°	132.9	98.2	83.1	68.0	61.9	54.4	52.9	51.4	52.9	54.4	54.4
60°	146.5	95.2	80.1	64.9	57.4	49.8	48.3	46.8	49.8	51.4	51.4
62.5°	176.7	93.6	80.1	64.9	55.9	46.8	46.8	45.3	46.8	48.3	49.8
65°	216.0	104.2	84.6	64.9	55.9	46.8	43.8	40.8	43.8	45.3	45.3
67.5°	225.0	122.3	98.2	72.5	58.9	45.3	42.3	39.3	42.3	43.8	43.8
70°	203.9	134.4	105.7	77.0	61.9	45.3	42.3	37.8	39.3	40.8	39.3
72.5°	175.2	131.4	104.2	75.5	60.4	43.8	40.8	36.2	37.8	37.8	36.2
75°	149.5	113.3	89.1	63.4	51.4	37.8	34.7	31.7	33.2	33.2	33.2
77.5°	125.4	93.6	72.5	49.8	40.8	30.2	28.7	27.2	28.7	30.2	28.7
80°	98.2	71.0	54.4	36.2	30.2	22.7	24.2	24.2	25.7	25.7	25.7
82.5°	57.4	42.3	34.7	25.7	21.1	16.6	18.1	19.6	21.1	21.1	21.1
85°	34.7	27.2	22.7	18.1	15.1	10.6	13.6	15.1	15.1	15.1	13.6
87.5°	6.0	6.0	6.0	6.0	4.5	3.0	6.0	7.6	7.6	7.6	6.0
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°	1176.6	1176.6	1176.6	1176.6
2.5°	983.3	983.3	981.7	981.7
5°	903.2	900.2	897.2	900.2
7.5°	718.9	697.8	676.6	682.7
10°	720.5	718.9	717.4	715.9
12.5°	521.1	504.5	487.9	477.3
15°	442.5	438.0	432.0	432.0
17.5°	299.1	285.5	271.9	262.8
20°	255.3	262.8	268.8	271.9
22.5°	190.3	196.3	202.4	205.4
25°	200.9	216.0	229.6	231.1
27.5°	139.0	146.5	152.5	149.5
30°	135.9	140.5	145.0	145.0
32.5°	116.3	128.4	140.5	142.0
35°	116.3	122.3	128.4	129.9
37.5°	104.2	108.7	111.8	113.3
40°	93.6	96.7	98.2	98.2
42.5°	83.1	90.6	96.7	96.7
45°	74.0	93.6	113.3	119.3
47.5°	72.5	101.2	129.9	135.9
50°	78.5	105.7	131.4	134.4
52.5°	80.1	95.2	108.7	108.7
55°	63.4	71.0	77.0	75.5
57.5°	54.4	60.4	64.9	64.9
60°	51.4	58.9	64.9	66.5
62.5°	49.8	52.9	55.9	58.9
65°	45.3	45.3	45.3	45.3
67.5°	42.3	42.3	40.8	40.8
70°	37.8	37.8	37.8	37.8
72.5°	34.7	34.7	34.7	33.2
75°	31.7	31.7	30.2	30.2
77.5°	27.2	27.2	27.2	27.2
80°	24.2	24.2	22.7	22.7
82.5°	19.6	19.6	18.1	16.6
85°	12.1	12.1	10.6	9.1
87.5°	4.5	4.5	3.0	1.5
90°	0.0	0.0	0.0	0.0

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