

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: P560214

Luminaire Tested: **SDL-PA1-30-740-U-T3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560214
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-PA1-30-740-U-T3-HSS
Description: Springdale
(1) 70 CRI, 4000K, 375mA 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: 2818.7 lumens
Efficiency: N/A
Efficacy: 93.6 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: B0 - U0 - G1

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

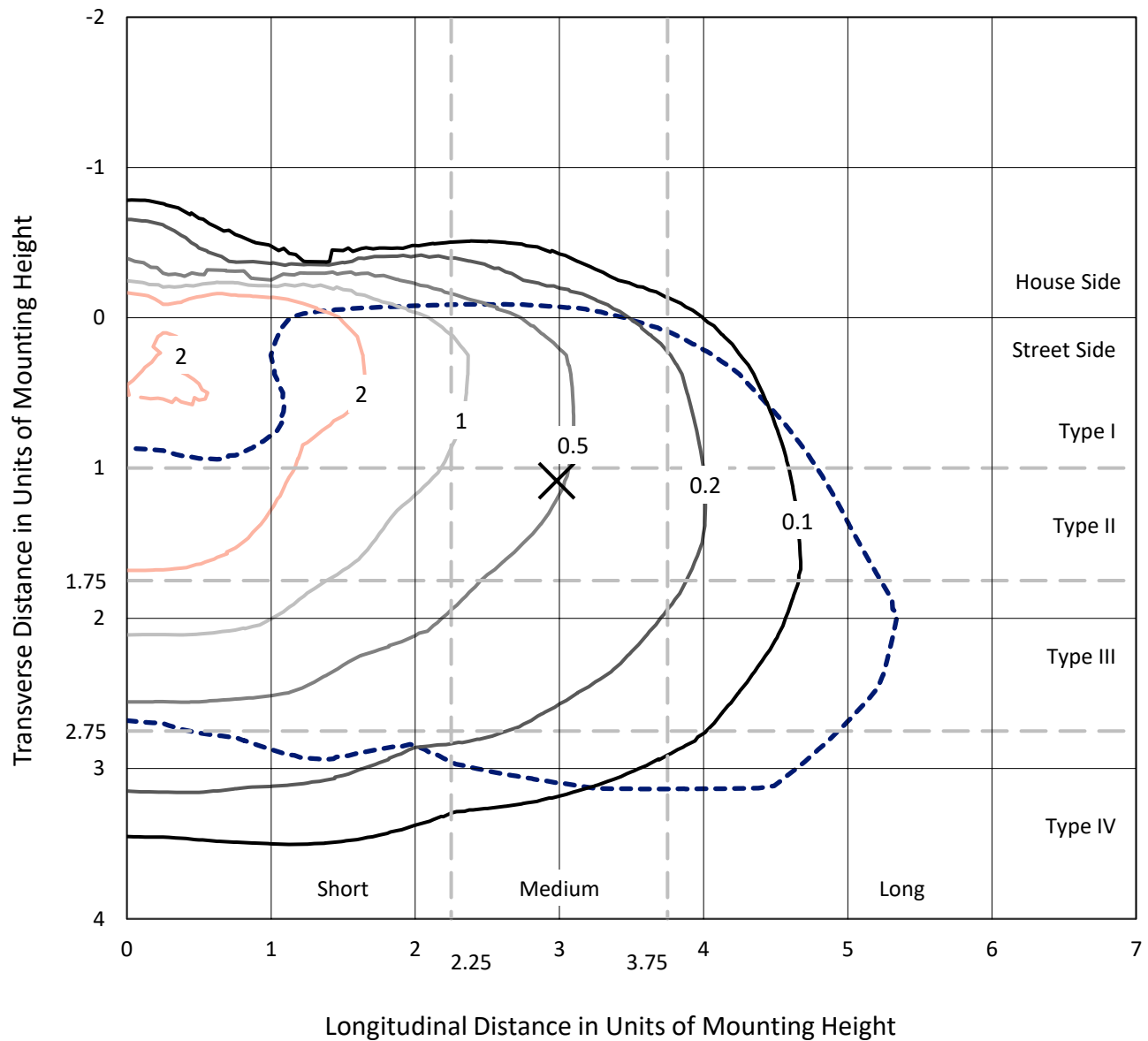


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

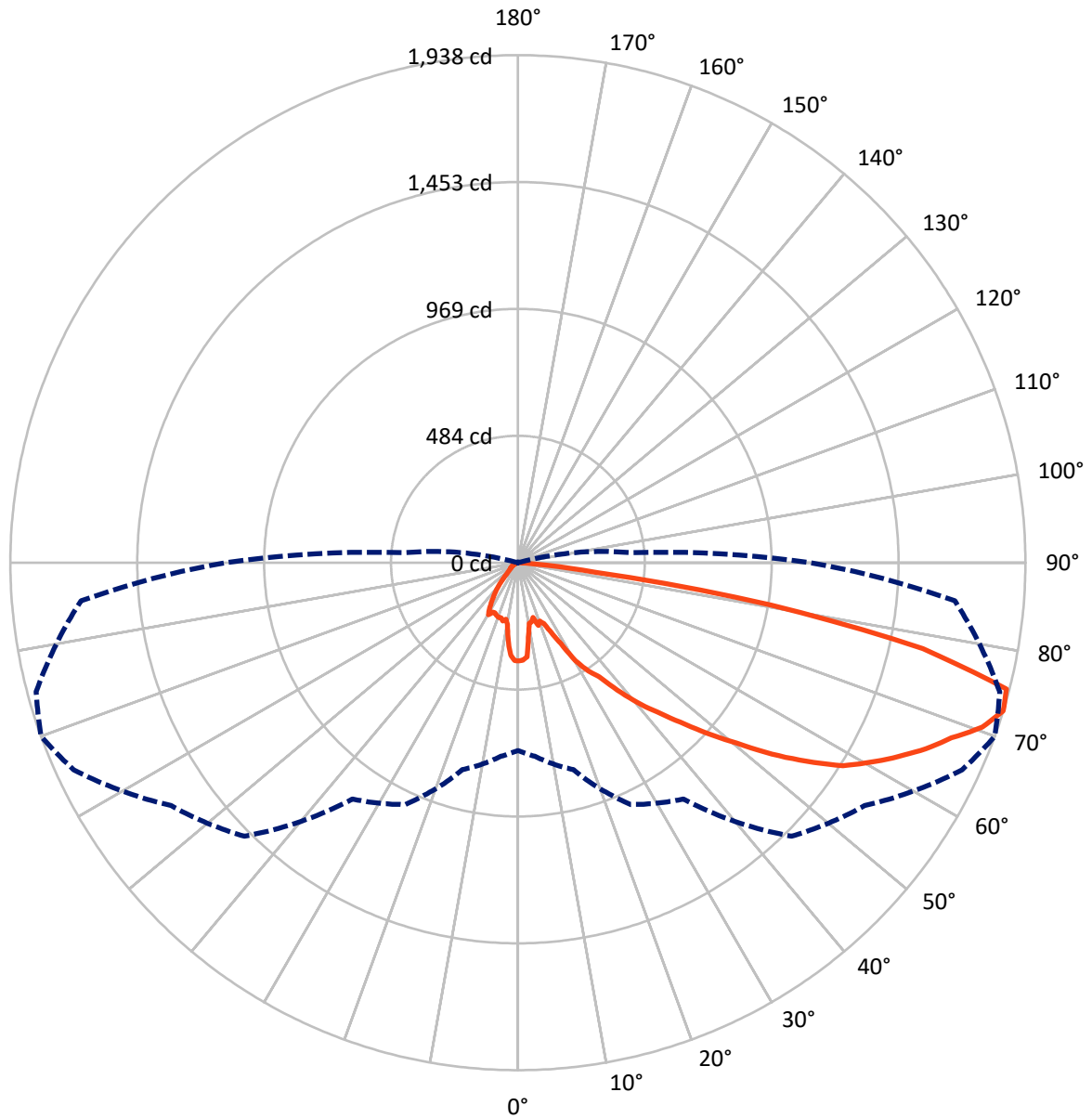


Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
 Type IV - Medium - N/A

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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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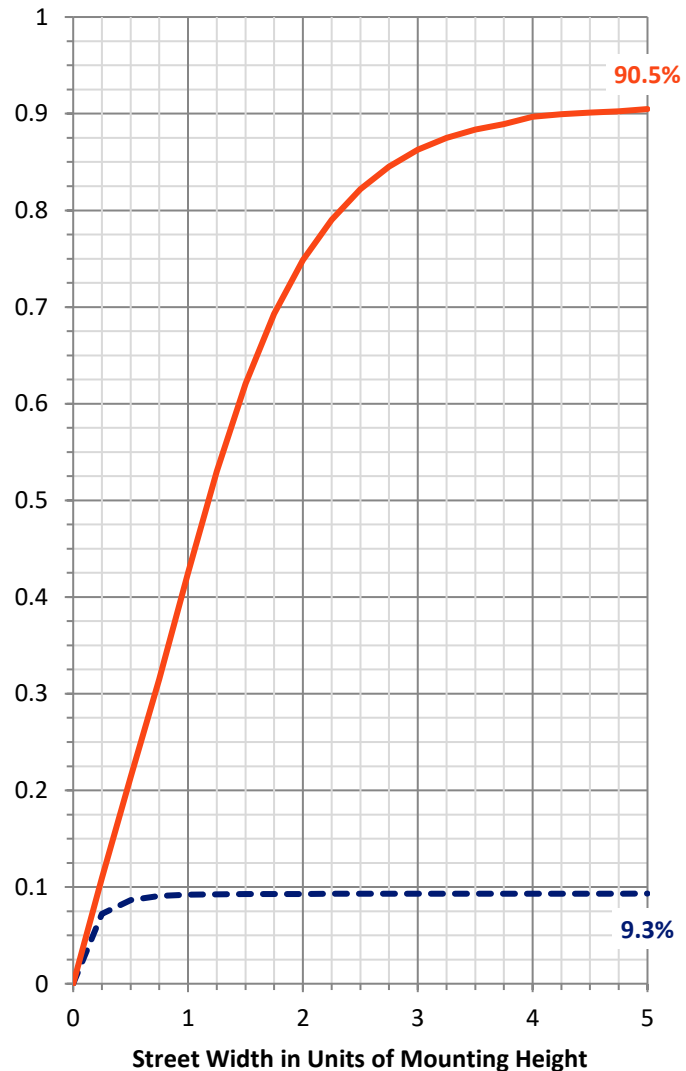
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	265.8	0.0	265.8
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	2553.0	0.0	2553.0
	% Fixture	90.6	0.0	90.6
Total	Lumens	2818.7	0.0	2818.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.9	1.0
10°-20°	57.7	2.0
20°-30°	94.0	3.3
30°-40°	200.7	7.1
40°-50°	386.7	13.7
50°-60°	639.5	22.7
60°-70°	782.8	27.8
70°-80°	573.5	20.3
80°-90°	55.1	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°	2818.7	100.0
0°-180°	2818.7	100.0



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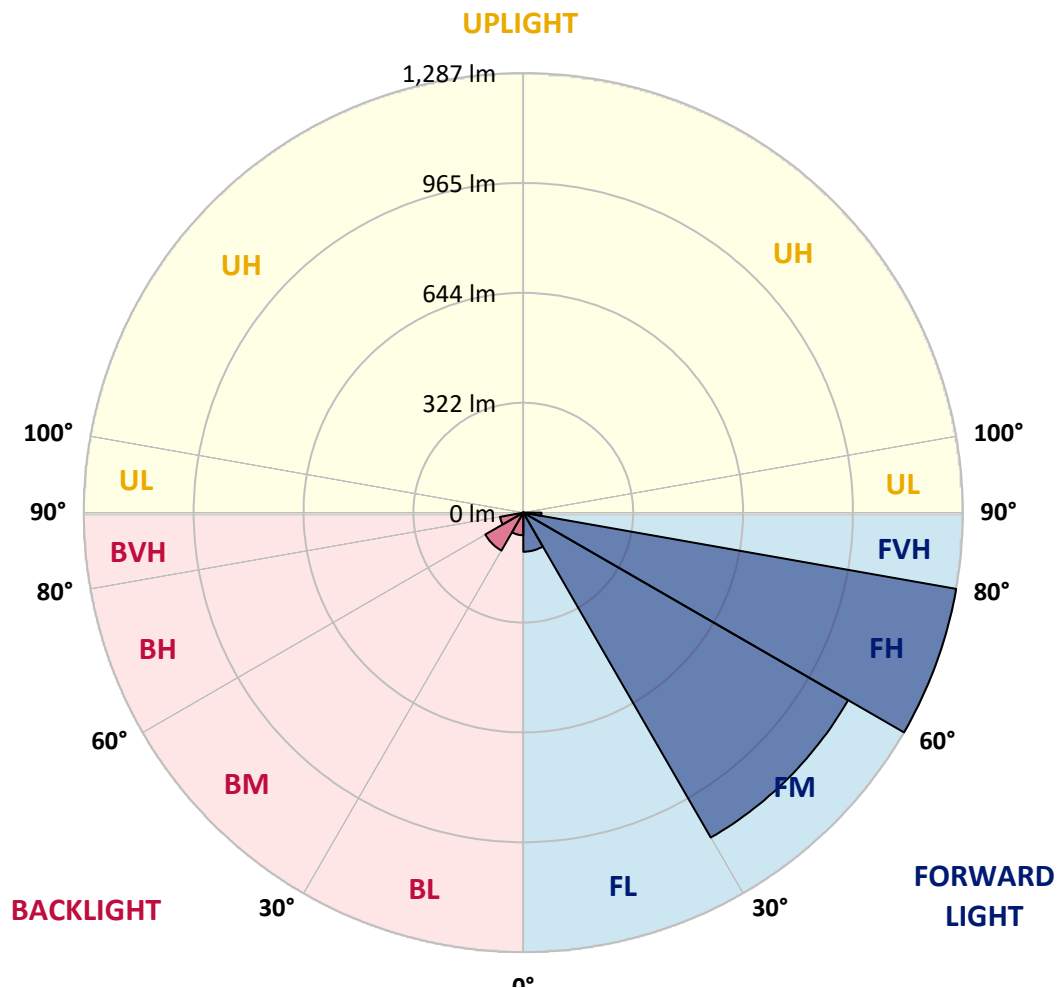
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	114.4	4.1			
FM	(30°-60°)	1098.4	39.0			
FH	(60°-80°)	1287.0	45.7			G1/1800
FVH	(80°-90°)	53.1	1.9			G1/100
BL	(0°-30°)	66.2	2.3	B0/110		
BM	(30°-60°)	128.4	4.6	B0/220		
BH	(60°-80°)	69.2	2.5	B0/110		G0/110
BVH	(80°-90°)	2.0	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1
2.5°	333.6	343.3	348.8	354.3	353.0	351.6	354.3	357.1	362.7	366.8	369.6
5°	300.4	300.4	300.4	300.4	301.7	301.7	301.7	301.7	303.1	304.5	305.9
7.5°	260.2	265.8	268.5	271.3	278.2	283.8	289.3	294.8	297.6	299.0	300.4
10°	282.4	282.4	282.4	282.4	283.8	283.8	265.8	246.4	247.8	249.1	240.8
12.5°	233.9	232.5	247.8	261.6	271.3	279.6	269.9	258.8	242.2	224.2	221.5
15°	275.4	275.4	275.4	275.4	256.1	236.7	222.9	209.0	220.1	229.8	207.6
17.5°	217.3	222.9	239.5	256.1	256.1	256.1	243.6	231.2	207.6	182.7	209.0
20°	269.9	269.9	269.9	268.5	236.7	204.9	215.9	225.6	235.3	245.0	240.8
22.5°	224.2	221.5	225.6	229.8	239.5	247.8	220.1	191.0	222.9	253.3	238.1
25°	283.8	283.8	285.1	285.1	254.7	224.2	242.2	258.8	235.3	211.8	249.1
27.5°	256.1	247.8	246.4	243.6	253.3	261.6	249.1	236.7	263.0	289.3	276.8
30°	355.7	355.7	346.0	336.4	299.0	260.2	264.4	267.1	267.1	267.1	294.8
32.5°	494.1	495.5	458.2	419.4	386.2	351.6	321.1	289.3	305.9	322.5	340.5
35°	665.8	669.9	643.6	616.0	534.3	452.6	401.4	350.2	348.8	346.0	372.3
37.5°	789.0	797.3	776.5	755.8	658.9	562.0	488.6	415.2	408.3	400.0	409.7
40°	905.2	899.7	887.3	873.4	771.0	667.2	586.9	505.2	487.2	467.8	469.2
42.5°	1056.1	1039.5	1007.7	975.8	877.6	779.3	693.5	607.6	578.6	549.5	544.0
45°	1251.3	1223.6	1177.9	1130.9	1034.0	937.1	831.9	725.3	689.3	651.9	643.6
47.5°	1350.9	1331.6	1302.5	1272.0	1172.4	1072.7	971.7	869.3	819.4	768.2	754.4
50°	1468.6	1443.7	1424.3	1403.5	1317.7	1230.5	1136.4	1040.9	974.5	908.0	884.5
52.5°	1580.7	1539.2	1521.2	1501.8	1434.0	1364.8	1266.5	1168.2	1125.3	1081.0	1024.3
55°	1620.9	1580.7	1572.4	1564.1	1515.7	1467.2	1377.2	1287.3	1237.4	1186.2	1140.6
57.5°	1533.7	1539.2	1564.1	1589.0	1561.3	1533.7	1460.3	1385.6	1330.2	1274.8	1248.5
60°	1474.1	1486.6	1524.0	1561.3	1561.3	1561.3	1521.2	1481.1	1428.5	1375.9	1357.9
62.5°	1378.6	1393.9	1450.6	1507.4	1543.3	1579.3	1536.4	1493.5	1475.5	1456.1	1439.5
65°	1252.7	1256.8	1320.5	1384.2	1458.9	1532.3	1492.1	1450.6	1485.2	1519.8	1503.2
67.5°	1107.3	1114.3	1173.8	1231.9	1320.5	1409.1	1398.0	1385.6	1461.7	1537.8	1536.4
70°	934.3	946.8	998.0	1047.8	1147.5	1245.7	1256.8	1267.9	1399.4	1529.5	1554.4
72.5°	717.0	741.9	780.7	818.0	919.1	1018.7	1060.3	1101.8	1290.0	1476.9	1547.5
75°	238.1	254.7	362.7	469.2	571.7	674.1	765.4	855.4	1090.7	1324.6	1471.4
77.5°	69.2	72.0	92.7	112.1	192.4	271.3	365.4	458.2	687.9	916.3	1159.9
80°	36.0	37.4	41.5	45.7	66.4	87.2	126.0	163.3	268.5	373.7	629.8
82.5°	24.9	24.9	29.1	31.8	40.1	48.4	69.2	90.0	98.3	106.6	253.3
85°	8.3	8.3	11.1	13.8	19.4	24.9	37.4	48.4	48.4	47.1	67.8
87.5°	1.4	1.4	2.8	4.2	6.9	8.3	6.9	5.5	4.2	2.8	5.5
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1
2.5°	371.0	372.3	372.3	372.3	373.7	373.7	373.7	373.7	372.3	373.7	373.7
5°	305.9	330.8	354.3	361.3	365.4	366.8	366.8	366.8	365.4	365.4	365.4
7.5°	301.7	300.4	299.0	287.9	314.2	319.7	323.9	322.5	322.5	315.6	307.3
10°	232.5	232.5	232.5	235.3	250.5	268.5	286.5	286.5	286.5	265.8	245.0
12.5°	217.3	225.6	232.5	232.5	207.6	228.4	249.1	249.1	249.1	228.4	206.2
15°	185.5	195.2	203.5	217.3	258.8	283.8	308.7	308.7	307.3	283.8	258.8
17.5°	233.9	231.2	227.0	251.9	236.7	240.8	245.0	232.5	250.5	243.6	236.7
20°	236.7	211.8	185.5	238.1	292.1	315.6	339.1	340.5	336.4	310.1	282.4
22.5°	222.9	254.7	285.1	251.9	260.2	254.7	247.8	245.0	245.0	243.6	242.2
25°	285.1	254.7	224.2	294.8	344.7	361.3	377.9	373.7	368.2	330.8	293.4
27.5°	263.0	293.4	322.5	350.2	375.1	390.3	405.6	448.5	390.3	347.4	303.1
30°	321.1	358.5	394.5	434.6	510.8	532.9	555.1	544.0	530.1	447.1	364.0
32.5°	357.1	416.6	474.8	492.8	538.4	559.2	578.6	568.9	552.3	442.9	333.6
35°	397.3	452.6	506.6	535.7	591.0	607.6	622.9	607.6	589.7	438.8	287.9
37.5°	419.4	494.1	567.5	617.3	664.4	668.6	671.3	657.5	633.9	438.8	243.6
40°	470.6	550.9	629.8	701.8	739.1	740.5	741.9	719.8	676.9	434.6	191.0
42.5°	538.4	620.1	700.4	779.3	829.1	825.0	819.4	789.0	718.4	427.7	137.0
45°	635.3	707.3	779.3	867.9	928.8	917.7	905.2	859.6	747.4	420.8	92.7
47.5°	739.1	795.9	851.3	973.1	1050.6	1027.1	1002.1	935.7	768.2	418.0	66.4
50°	859.6	905.2	950.9	1083.8	1176.5	1132.2	1088.0	1011.8	776.5	415.2	52.6
52.5°	966.1	1013.2	1058.9	1213.9	1284.5	1234.7	1184.8	1071.3	772.4	409.7	45.7
55°	1093.5	1135.0	1176.5	1338.5	1395.2	1328.8	1261.0	1114.3	751.6	397.3	41.5
57.5°	1220.8	1263.7	1305.3	1463.1	1479.7	1414.6	1348.2	1155.8	730.8	384.8	37.4
60°	1339.9	1388.3	1436.8	1547.5	1560.0	1501.8	1443.7	1195.9	697.6	365.4	33.2
62.5°	1422.9	1489.4	1555.8	1630.5	1636.1	1583.5	1529.5	1226.4	654.7	343.3	30.5
65°	1485.2	1576.6	1666.5	1712.2	1709.4	1672.1	1634.7	1252.7	620.1	322.5	24.9
67.5°	1533.7	1644.4	1755.1	1785.6	1792.5	1757.9	1723.3	1256.8	577.2	299.0	19.4
70°	1579.3	1701.1	1822.9	1881.1	1867.2	1813.3	1759.3	1225.0	519.1	267.1	13.8
72.5°	1616.7	1744.0	1871.4	1937.8	1904.6	1789.7	1674.8	1117.0	434.6	222.9	9.7
75°	1616.7	1744.0	1870.0	1926.8	1813.3	1584.9	1355.1	831.9	254.7	131.5	8.3
77.5°	1403.5	1496.3	1589.0	1580.7	1381.4	1097.6	812.5	478.9	85.8	47.1	6.9
80°	885.9	946.8	1007.7	977.2	705.9	506.6	305.9	160.6	30.5	18.0	5.5
82.5°	400.0	393.1	386.2	297.6	138.4	92.7	45.7	27.7	8.3	5.5	2.8
85°	88.6	85.8	83.0	60.9	41.5	27.7	13.8	8.3	4.2	4.2	2.8
87.5°	8.3	9.7	9.7	6.9	6.9	5.5	2.8	2.8	2.8	2.8	2.8
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°	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1	375.1
2.5°	373.7	373.7	373.7	372.3	372.3	372.3	362.7	351.6	344.7	336.4	332.2
5°	353.0	340.5	325.3	310.1	307.3	303.1	304.5	304.5	305.9	305.9	305.9
7.5°	300.4	293.4	296.2	299.0	299.0	299.0	299.0	297.6	296.2	294.8	281.0
10°	239.5	233.9	233.9	233.9	238.1	240.8	233.9	225.6	238.1	249.1	246.4
12.5°	220.1	233.9	215.9	196.6	199.3	200.7	200.7	199.3	193.8	188.2	168.9
15°	229.8	200.7	184.1	166.1	166.1	166.1	134.3	102.4	95.5	88.6	90.0
17.5°	220.1	203.5	184.1	163.3	123.2	81.7	77.5	72.0	72.0	72.0	73.4
20°	221.5	160.6	135.6	110.7	88.6	65.1	60.9	55.4	52.6	48.4	56.8
22.5°	217.3	191.0	130.1	69.2	60.9	52.6	48.4	42.9	49.8	56.8	56.8
25°	210.4	126.0	94.1	60.9	51.2	41.5	47.1	51.2	48.4	44.3	51.2
27.5°	211.8	119.0	81.7	44.3	47.1	48.4	45.7	41.5	45.7	48.4	45.7
30°	228.4	92.7	69.2	44.3	42.9	40.1	41.5	42.9	41.5	38.8	41.5
32.5°	203.5	73.4	58.1	41.5	40.1	38.8	37.4	36.0	37.4	37.4	37.4
35°	171.6	55.4	47.1	38.8	36.0	33.2	33.2	31.8	31.8	31.8	31.8
37.5°	145.3	47.1	41.5	34.6	31.8	29.1	27.7	24.9	24.9	23.5	23.5
40°	117.7	42.9	37.4	30.5	27.7	23.5	22.1	19.4	19.4	18.0	18.0
42.5°	88.6	38.8	33.2	26.3	23.5	19.4	16.6	13.8	13.8	12.5	12.5
45°	63.7	34.6	29.1	22.1	19.4	15.2	12.5	9.7	9.7	8.3	8.3
47.5°	49.8	31.8	26.3	19.4	15.2	11.1	9.7	6.9	6.9	6.9	6.9
50°	40.1	27.7	22.1	15.2	11.1	6.9	5.5	4.2	4.2	4.2	4.2
52.5°	36.0	24.9	19.4	12.5	9.7	5.5	4.2	2.8	4.2	4.2	4.2
55°	31.8	22.1	16.6	9.7	6.9	4.2	4.2	2.8	4.2	4.2	4.2
57.5°	29.1	19.4	13.8	6.9	5.5	2.8	2.8	1.4	2.8	2.8	2.8
60°	24.9	16.6	11.1	5.5	4.2	1.4	1.4	1.4	2.8	2.8	2.8
62.5°	22.1	13.8	9.7	4.2	2.8	1.4	1.4	1.4	2.8	2.8	2.8
65°	18.0	9.7	6.9	2.8	2.8	1.4	1.4	1.4	2.8	2.8	2.8
67.5°	13.8	6.9	5.5	2.8	2.8	1.4	1.4	1.4	2.8	2.8	1.4
70°	9.7	5.5	4.2	1.4	1.4	1.4	1.4	1.4	2.8	2.8	1.4
72.5°	6.9	4.2	2.8	1.4	1.4	0.0	1.4	1.4	2.8	2.8	2.8
75°	6.9	4.2	2.8	1.4	1.4	0.0	1.4	2.8	2.8	2.8	2.8
77.5°	5.5	2.8	2.8	1.4	1.4	0.0	1.4	2.8	2.8	2.8	2.8
80°	4.2	2.8	2.8	1.4	1.4	0.0	2.8	4.2	4.2	4.2	2.8
82.5°	2.8	2.8	2.8	1.4	1.4	0.0	2.8	4.2	4.2	4.2	2.8
85°	2.8	2.8	2.8	2.8	1.4	0.0	2.8	4.2	4.2	4.2	4.2
87.5°	2.8	2.8	2.8	2.8	2.8	1.4	4.2	5.5	5.5	4.2	4.2
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°	375.1	375.1	375.1	375.1
2.5°	326.7	326.7	325.3	329.4
5°	305.9	305.9	305.9	307.3
7.5°	265.8	256.1	246.4	247.8
10°	242.2	239.5	235.3	238.1
12.5°	149.5	141.2	131.5	127.3
15°	91.4	91.4	91.4	90.0
17.5°	74.7	69.2	62.3	63.7
20°	65.1	66.4	67.8	67.8
22.5°	56.8	54.0	51.2	51.2
25°	56.8	56.8	56.8	56.8
27.5°	42.9	42.9	41.5	41.5
30°	44.3	44.3	42.9	41.5
32.5°	36.0	36.0	36.0	36.0
35°	30.5	29.1	27.7	27.7
37.5°	23.5	22.1	20.8	20.8
40°	16.6	16.6	15.2	15.2
42.5°	12.5	12.5	11.1	11.1
45°	8.3	8.3	8.3	8.3
47.5°	5.5	5.5	5.5	5.5
50°	4.2	4.2	4.2	4.2
52.5°	4.2	4.2	2.8	2.8
55°	2.8	2.8	2.8	2.8
57.5°	2.8	2.8	2.8	2.8
60°	2.8	2.8	1.4	1.4
62.5°	1.4	1.4	1.4	1.4
65°	1.4	1.4	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°	1.4	1.4	0.0	0.0
75°	1.4	1.4	0.0	0.0
77.5°	1.4	1.4	0.0	0.0
80°	1.4	1.4	0.0	0.0
82.5°	1.4	1.4	1.4	0.0
85°	2.8	2.8	1.4	0.0
87.5°	2.8	2.8	1.4	0.0
90°	0.0	0.0	0.0	0.0



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