

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: P560218

Luminaire Tested: **SDL-PA1-30-740-U-T4W-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560218
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-PA1-30-740-U-T4W-HSS
Description: Springdale
(1) 70 CRI, 4000K, 375mA 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: 2753.9 lumens
Efficiency: N/A
Efficacy: 91.5 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

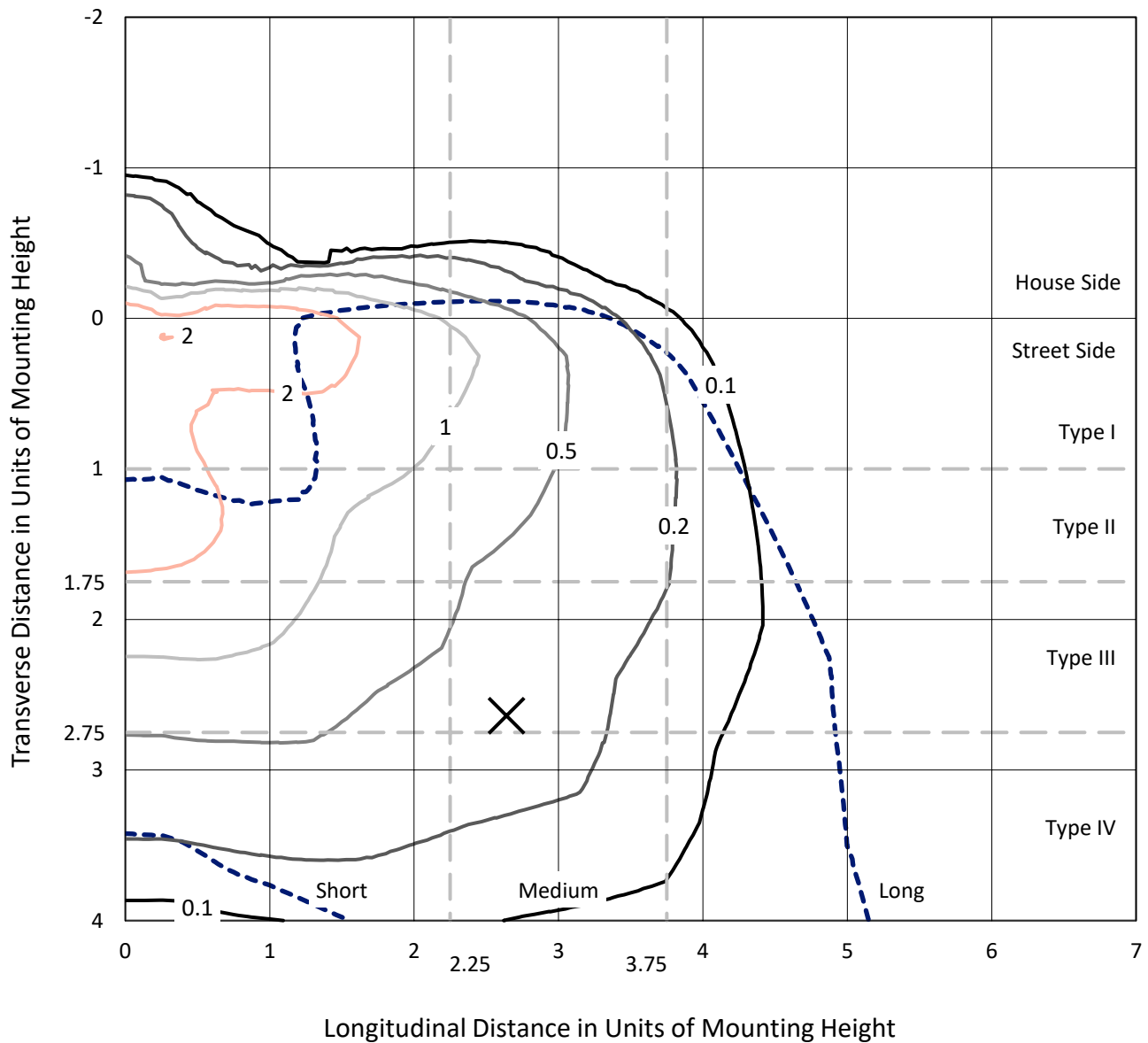


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Iso-Footcandle Lines of Horizontal Illumination

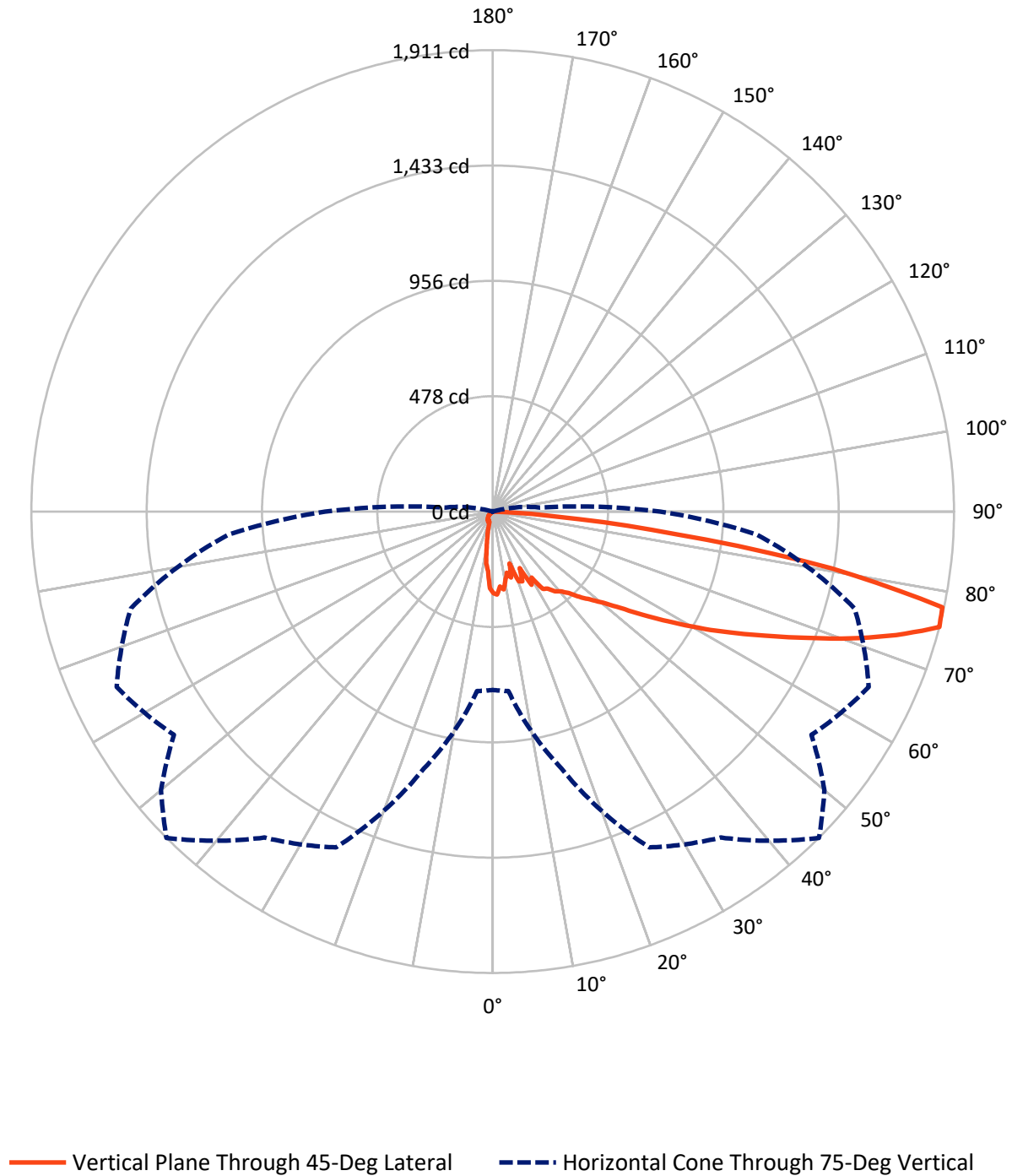
× Max cd
 --- 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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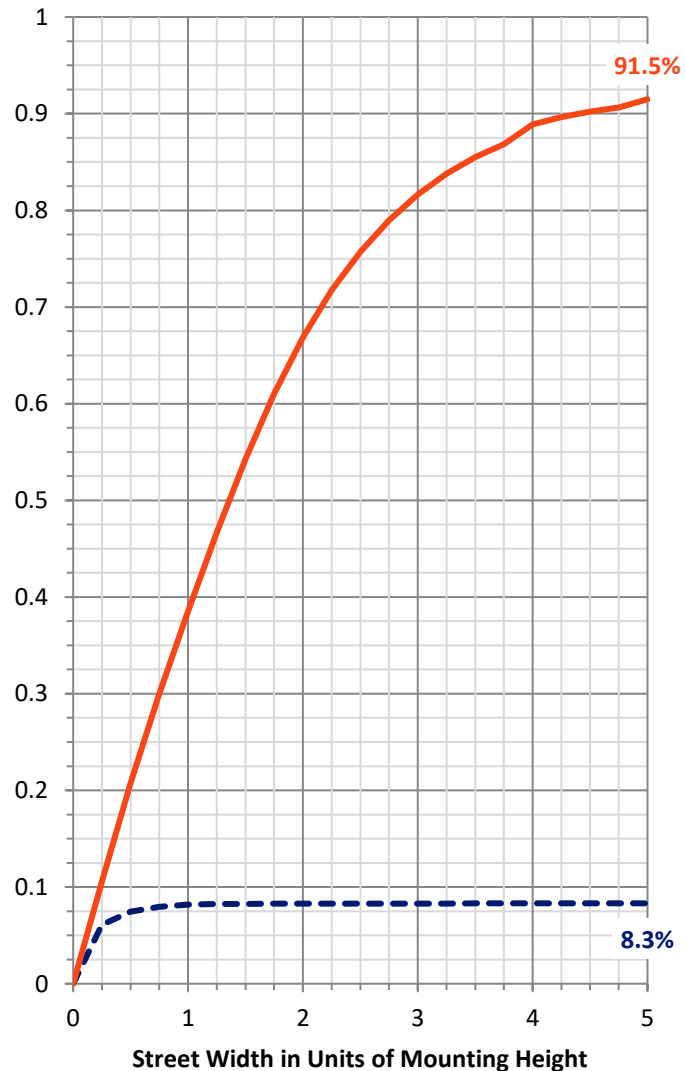
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	231.2	0.0	231.2
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	2522.7	0.0	2522.7
	% Fixture	91.6	0.0	91.6
Total	Lumens	2753.9	0.0	2753.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.2	1.0
10°-20°	57.6	2.1
20°-30°	97.5	3.5
30°-40°	179.5	6.5
40°-50°	294.6	10.7
50°-60°	524.3	19.0
60°-70°	784.5	28.5
70°-80°	698.5	25.4
80°-90°	91.3	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°	2753.9	100.0
0°-180°	2753.9	100.0



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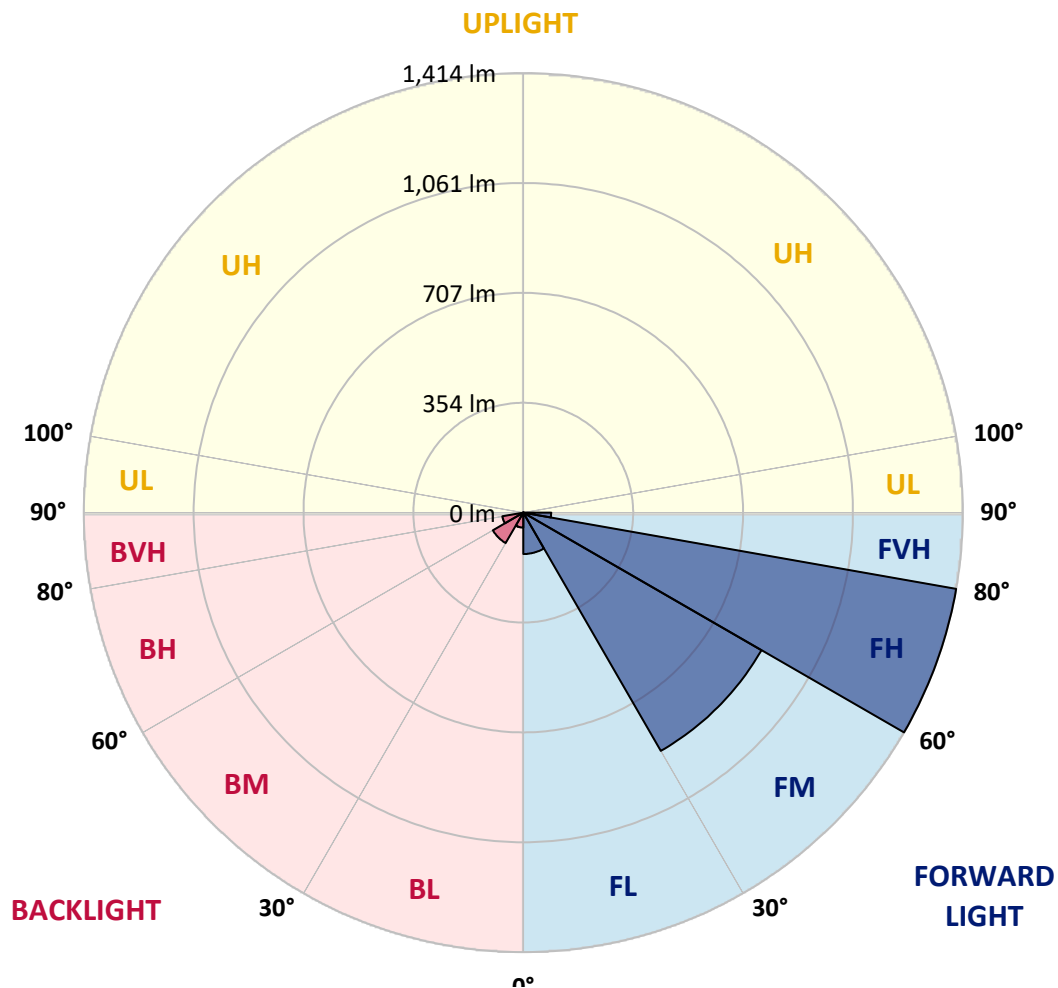
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	133.1	4.8			
FM	(30°-60°)	885.3	32.1			
FH	(60°-80°)	1414.5	51.4			G1/1800
FVH	(80°-90°)	89.8	3.3			G1/100
BL	(0°-30°)	48.2	1.8	B0/110		
BM	(30°-60°)	113.1	4.1	B0/220		
BH	(60°-80°)	68.5	2.5	B0/110		G0/110
BVH	(80°-90°)	1.4	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°	337.7	337.7	337.7	337.7	337.7	337.7	337.7	337.7	337.7	337.7	337.7
2.5°	314.1	337.7	340.4	341.8	344.6	346.0	346.0	346.0	346.0	344.6	344.6
5°	332.1	330.7	329.4	328.0	326.6	323.8	321.1	316.9	314.1	311.4	308.6
7.5°	325.2	326.6	330.7	333.5	332.1	330.7	333.5	334.9	330.7	325.2	319.7
10°	379.2	376.4	373.6	370.9	366.7	362.6	329.4	296.1	293.4	289.2	286.5
12.5°	332.1	373.6	373.6	373.6	373.6	373.6	351.5	329.4	294.8	260.2	220.0
15°	415.2	413.8	408.2	402.7	365.3	326.6	305.8	285.1	285.1	283.7	267.1
17.5°	344.6	344.6	372.3	398.6	383.3	368.1	339.0	310.0	268.5	225.6	242.2
20°	435.9	435.9	430.4	424.8	361.2	297.5	300.3	303.1	305.8	308.6	256.0
22.5°	358.4	355.7	352.9	350.1	357.0	364.0	307.2	249.1	282.3	314.1	244.9
25°	437.3	441.5	438.7	434.5	377.8	321.1	333.5	344.6	301.7	258.8	300.3
27.5°	375.0	370.9	365.3	358.4	362.6	366.7	340.4	312.8	328.0	343.2	275.4
30°	459.4	460.8	458.1	455.3	401.3	347.3	346.0	343.2	330.7	316.9	310.0
32.5°	568.8	557.7	518.9	480.2	447.0	413.8	387.5	361.2	372.3	381.9	344.6
35°	621.4	600.6	584.0	566.0	510.6	453.9	422.1	388.9	390.2	391.6	376.4
37.5°	672.6	642.1	621.4	600.6	534.2	467.7	433.1	398.6	409.6	419.3	402.7
40°	690.5	673.9	661.5	649.0	578.5	506.5	466.4	424.8	430.4	434.5	429.0
42.5°	736.2	733.4	726.5	718.2	633.8	548.0	499.6	451.1	456.7	460.8	458.1
45°	845.5	841.4	841.4	840.0	730.7	620.0	556.3	492.7	498.2	503.7	501.0
47.5°	986.7	979.8	971.5	961.8	845.5	727.9	636.6	543.9	543.9	543.9	548.0
50°	1134.8	1125.1	1107.1	1087.7	970.1	852.5	736.2	620.0	607.5	593.7	608.9
52.5°	1288.4	1271.8	1241.3	1209.5	1105.7	1001.9	870.5	737.6	700.2	661.5	680.9
55°	1371.4	1353.4	1332.7	1310.5	1226.1	1140.3	1006.1	871.8	813.7	754.2	775.0
57.5°	1439.2	1435.1	1425.4	1415.7	1350.7	1285.6	1151.4	1015.8	936.9	858.0	876.0
60°	1531.9	1526.4	1530.6	1534.7	1484.9	1435.1	1307.8	1179.1	1078.0	975.6	970.1
62.5°	1601.1	1599.7	1620.5	1641.3	1615.0	1587.3	1444.8	1300.8	1202.6	1102.9	1075.3
65°	1537.5	1555.5	1633.0	1710.5	1706.3	1700.8	1567.9	1433.7	1336.8	1238.6	1202.6
67.5°	1403.2	1411.5	1526.4	1639.9	1689.7	1738.1	1644.0	1548.5	1472.4	1394.9	1328.5
70°	1277.3	1295.3	1396.3	1497.3	1626.0	1754.7	1680.0	1605.3	1590.1	1573.5	1487.7
72.5°	1155.5	1187.4	1281.5	1375.6	1547.2	1717.4	1673.1	1628.8	1688.3	1747.8	1645.4
75°	739.0	745.9	924.4	1101.6	1318.8	1534.7	1591.4	1648.2	1779.6	1911.1	1793.5
77.5°	215.9	239.4	373.6	507.9	757.0	1004.7	1198.4	1392.2	1648.2	1904.2	1760.3
80°	73.3	78.9	98.3	116.2	249.1	381.9	606.1	828.9	1126.5	1424.0	1323.0
82.5°	36.0	37.4	47.1	55.4	84.4	113.5	228.3	341.8	552.2	761.1	779.1
85°	11.1	11.1	16.6	22.1	36.0	49.8	85.8	120.4	191.0	260.2	220.0
87.5°	2.8	2.8	4.2	5.5	8.3	11.1	11.1	11.1	8.3	5.5	6.9
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°	337.7	337.7	337.7	337.7	337.7	337.7	337.7	337.7	337.7	337.7	337.7
2.5°	346.0	346.0	346.0	344.6	341.8	340.4	337.7	334.9	332.1	330.7	328.0
5°	304.5	322.4	339.0	340.4	340.4	336.3	332.1	328.0	323.8	319.7	315.5
7.5°	312.8	303.1	293.4	294.8	296.1	294.8	292.0	285.1	279.5	268.5	256.0
10°	250.5	243.6	235.3	238.0	240.8	247.7	254.6	249.1	240.8	220.0	197.9
12.5°	246.3	244.9	242.2	221.4	199.3	210.3	220.0	214.5	206.2	185.4	163.3
15°	210.3	211.7	211.7	232.5	253.2	261.6	268.5	261.6	251.9	224.2	195.1
17.5°	271.2	257.4	243.6	235.3	225.6	228.3	231.1	200.7	210.3	192.4	173.0
20°	280.9	235.3	189.6	227.0	264.3	276.8	289.2	282.3	269.9	225.6	179.9
22.5°	256.0	272.6	289.2	265.7	242.2	227.0	210.3	203.4	195.1	175.8	156.4
25°	316.9	271.2	224.2	268.5	311.4	314.1	316.9	304.5	290.6	235.3	179.9
27.5°	283.7	298.9	312.8	322.4	332.1	344.6	357.0	343.2	310.0	244.9	178.5
30°	337.7	358.4	379.2	411.0	442.8	452.5	460.8	445.6	419.3	310.0	199.3
32.5°	352.9	394.4	435.9	448.4	459.4	471.9	484.4	471.9	440.1	307.2	173.0
35°	394.4	423.5	451.1	470.5	489.9	501.0	512.0	503.7	460.8	303.1	145.3
37.5°	406.9	445.6	483.0	505.1	525.9	535.6	543.9	543.9	483.0	300.3	116.2
40°	426.2	474.7	523.1	543.9	563.2	578.5	592.3	597.8	507.9	298.9	88.6
42.5°	465.0	507.9	550.8	584.0	615.8	638.0	660.1	664.3	536.9	303.1	67.8
45°	506.5	552.2	597.8	642.1	686.4	718.2	748.7	745.9	571.5	314.1	55.4
47.5°	566.0	608.9	651.8	726.5	799.9	830.3	859.4	840.0	607.5	328.0	48.4
50°	626.9	679.5	732.1	827.6	921.7	949.3	975.6	935.5	642.1	344.6	45.7
52.5°	705.8	768.0	830.3	939.6	1049.0	1073.9	1098.8	1017.1	668.4	355.7	42.9
55°	798.5	878.8	959.0	1062.8	1165.2	1194.3	1223.3	1097.4	680.9	361.2	41.5
57.5°	910.6	1003.3	1094.6	1190.1	1284.2	1324.4	1363.1	1176.3	686.4	362.6	38.7
60°	1019.9	1122.3	1224.7	1306.4	1388.0	1450.3	1511.2	1253.8	683.6	359.8	34.6
62.5°	1120.9	1234.4	1346.5	1422.6	1498.7	1573.5	1648.2	1316.1	665.6	347.3	27.7
65°	1226.1	1346.5	1465.5	1531.9	1598.4	1695.2	1790.7	1370.0	640.7	330.7	19.4
67.5°	1321.6	1436.5	1551.3	1626.0	1700.8	1796.3	1890.4	1383.9	604.7	310.0	13.8
70°	1401.9	1526.4	1649.6	1725.7	1801.8	1850.2	1897.3	1323.0	532.8	271.2	9.7
72.5°	1512.6	1624.7	1735.4	1774.1	1811.5	1727.1	1641.3	1102.9	399.9	204.8	8.3
75°	1612.2	1666.2	1718.8	1635.7	1552.7	1325.7	1098.8	694.7	195.1	102.4	8.3
77.5°	1511.2	1482.1	1453.1	1198.4	942.4	700.2	456.7	272.6	60.9	33.2	5.5
80°	1094.6	961.8	827.6	572.9	316.9	211.7	105.2	60.9	15.2	9.7	4.2
82.5°	589.5	455.3	319.7	206.2	92.7	62.3	30.4	20.8	6.9	5.5	2.8
85°	213.1	168.8	123.2	95.5	67.8	40.1	11.1	6.9	4.2	4.2	2.8
87.5°	19.4	22.1	24.9	19.4	12.5	8.3	2.8	2.8	2.8	2.8	1.4
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	337.7	337.7	337.7	337.7	337.7	337.7	337.7	337.7	337.7	337.7	337.7
2.5°	326.6	325.2	323.8	321.1	319.7	318.3	308.6	298.9	287.8	276.8	276.8
5°	297.5	279.5	269.9	260.2	253.2	246.3	244.9	242.2	239.4	236.6	235.3
7.5°	249.1	242.2	236.6	231.1	224.2	217.3	210.3	203.4	197.9	192.4	179.9
10°	186.8	175.8	167.4	159.1	155.0	149.5	141.2	131.5	131.5	131.5	130.1
12.5°	161.9	160.5	139.8	117.6	110.7	103.8	102.4	101.0	98.3	94.1	88.6
15°	160.5	124.5	106.6	87.2	83.0	77.5	69.2	59.5	58.1	55.4	62.3
17.5°	145.3	117.6	96.9	76.1	60.9	45.7	48.4	49.8	56.7	62.3	66.4
20°	131.5	83.0	69.2	54.0	49.8	44.3	47.1	49.8	48.4	45.7	52.6
22.5°	123.2	88.6	65.0	41.5	44.3	47.1	44.3	40.1	47.1	54.0	58.1
25°	119.0	56.7	51.2	44.3	41.5	38.7	44.3	48.4	45.7	42.9	51.2
27.5°	117.6	56.7	48.4	38.7	41.5	44.3	42.9	40.1	45.7	49.8	48.4
30°	125.9	51.2	45.7	40.1	38.7	37.4	40.1	42.9	42.9	41.5	48.4
32.5°	112.1	51.2	45.7	38.7	38.7	37.4	37.4	37.4	41.5	45.7	48.4
35°	96.9	47.1	42.9	37.4	36.0	34.6	36.0	36.0	40.1	42.9	48.4
37.5°	80.3	44.3	40.1	34.6	33.2	31.8	31.8	30.4	34.6	38.7	42.9
40°	65.0	41.5	37.4	31.8	30.4	29.1	29.1	29.1	31.8	33.2	36.0
42.5°	54.0	38.7	34.6	29.1	27.7	26.3	26.3	24.9	26.3	27.7	29.1
45°	47.1	37.4	33.2	27.7	26.3	23.5	22.1	20.8	20.8	20.8	20.8
47.5°	41.5	34.6	31.8	27.7	24.9	20.8	19.4	16.6	15.2	13.8	12.5
50°	38.7	31.8	29.1	24.9	22.1	18.0	15.2	12.5	11.1	8.3	8.3
52.5°	36.0	29.1	26.3	22.1	18.0	13.8	11.1	6.9	6.9	5.5	5.5
55°	34.6	27.7	23.5	19.4	15.2	9.7	6.9	4.2	4.2	2.8	2.8
57.5°	33.2	26.3	22.1	16.6	11.1	5.5	4.2	2.8	2.8	2.8	2.8
60°	29.1	23.5	18.0	11.1	6.9	2.8	2.8	1.4	2.8	2.8	2.8
62.5°	23.5	18.0	12.5	6.9	4.2	1.4	1.4	1.4	2.8	2.8	2.8
65°	16.6	12.5	8.3	4.2	2.8	1.4	1.4	1.4	1.4	1.4	1.4
67.5°	12.5	9.7	6.9	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4
70°	8.3	6.9	5.5	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4
72.5°	6.9	5.5	4.2	1.4	1.4	0.0	1.4	1.4	1.4	1.4	1.4
75°	6.9	5.5	4.2	1.4	1.4	0.0	1.4	1.4	1.4	1.4	1.4
77.5°	5.5	4.2	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	1.4	2.8	2.8	2.8	2.8
82.5°	2.8	2.8	2.8	1.4	1.4	0.0	2.8	4.2	4.2	2.8	2.8
85°	2.8	1.4	1.4	1.4	1.4	1.4	2.8	4.2	4.2	4.2	2.8
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	2.8	4.2	4.2	4.2	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):

	165°	170°	175°	180°
0°	337.7	337.7	337.7	337.7
2.5°	275.4	275.4	274.0	274.0
5°	232.5	232.5	231.1	231.1
7.5°	167.4	164.7	160.5	161.9
10°	128.7	125.9	123.2	125.9
12.5°	83.0	84.4	84.4	80.3
15°	67.8	73.3	77.5	77.5
17.5°	70.6	70.6	69.2	69.2
20°	59.5	65.0	70.6	70.6
22.5°	60.9	58.1	55.4	55.4
25°	58.1	62.3	65.0	65.0
27.5°	47.1	48.4	49.8	49.8
30°	54.0	56.7	58.1	58.1
32.5°	51.2	54.0	55.4	56.7
35°	52.6	55.4	56.7	56.7
37.5°	47.1	48.4	49.8	49.8
40°	37.4	38.7	40.1	40.1
42.5°	29.1	29.1	27.7	29.1
45°	19.4	19.4	18.0	19.4
47.5°	11.1	11.1	11.1	11.1
50°	6.9	6.9	6.9	6.9
52.5°	4.2	4.2	4.2	4.2
55°	2.8	2.8	2.8	2.8
57.5°	2.8	2.8	1.4	1.4
60°	1.4	1.4	1.4	1.4
62.5°	1.4	1.4	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°	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	0.0	0.0
85°	1.4	1.4	1.4	0.0
87.5°	1.4	1.4	1.4	0.0
90°	0.0	0.0	0.0	0.0



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