

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: P560197

Luminaire Tested: **SDL-PA1-30-730-U-T4W**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560197
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-12)
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-T4W
Description: Springdale
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE 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 IV - 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



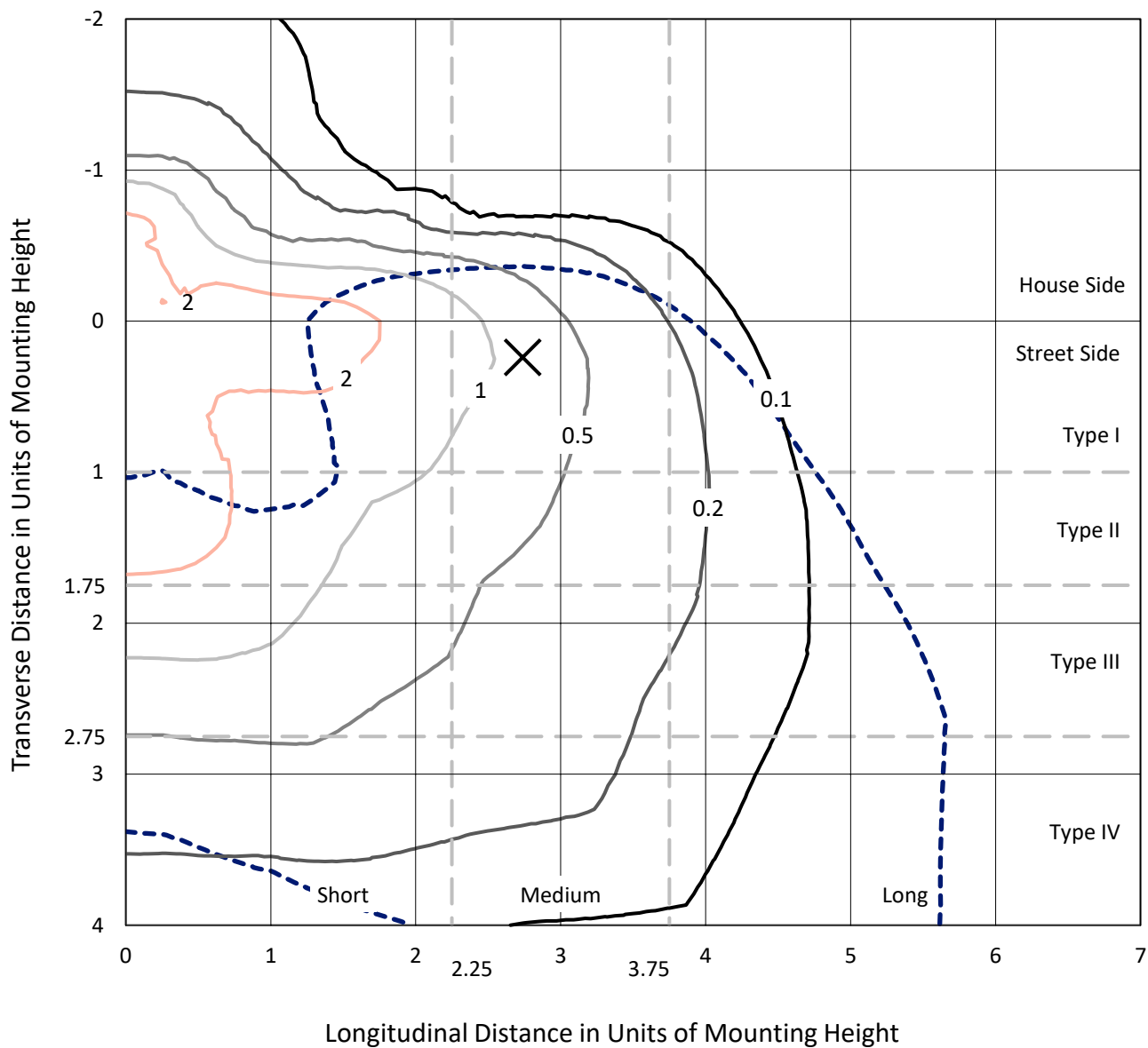
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



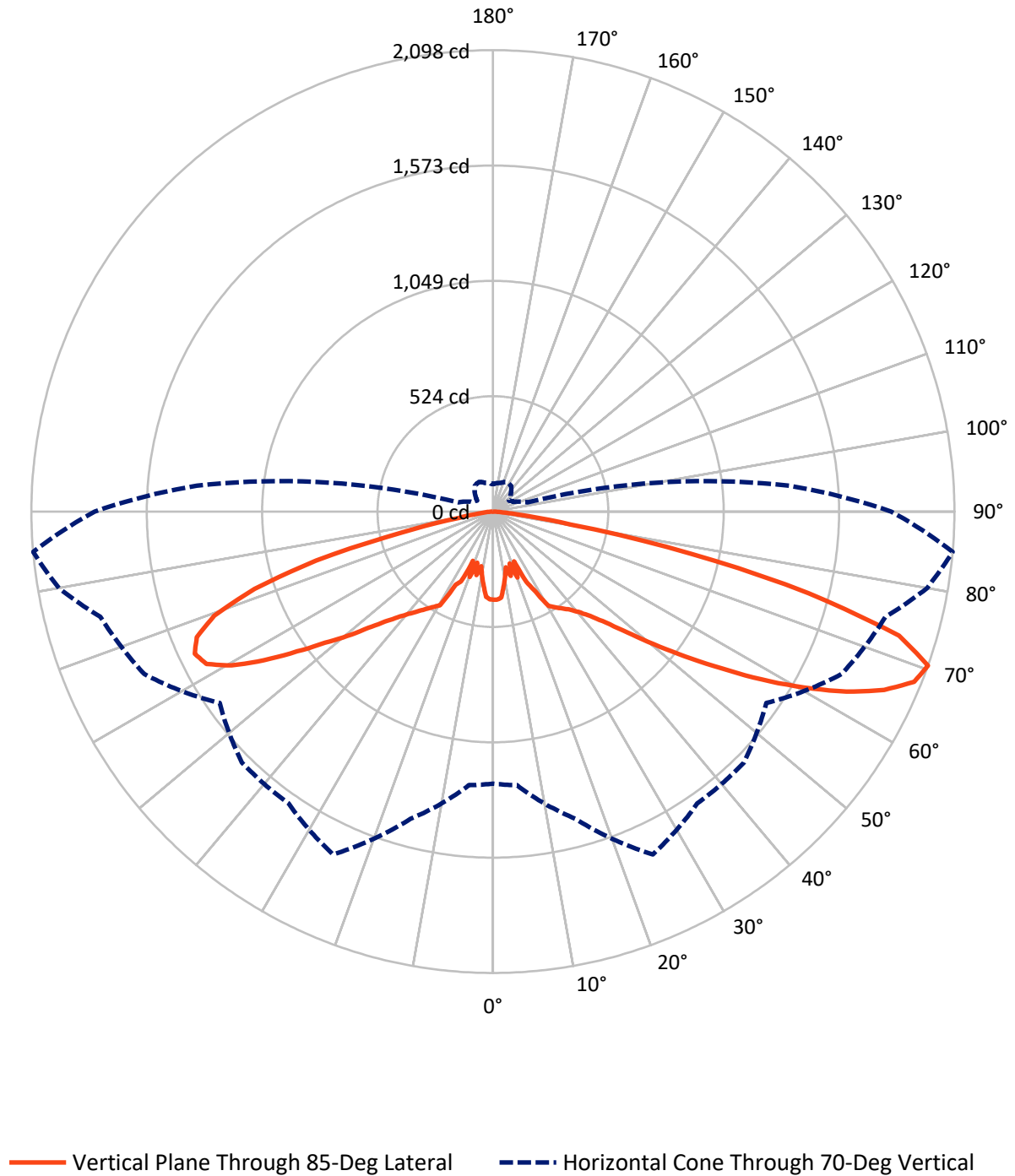
Based on 10 foot mounting height. Maximum calculated value = 4 fc

Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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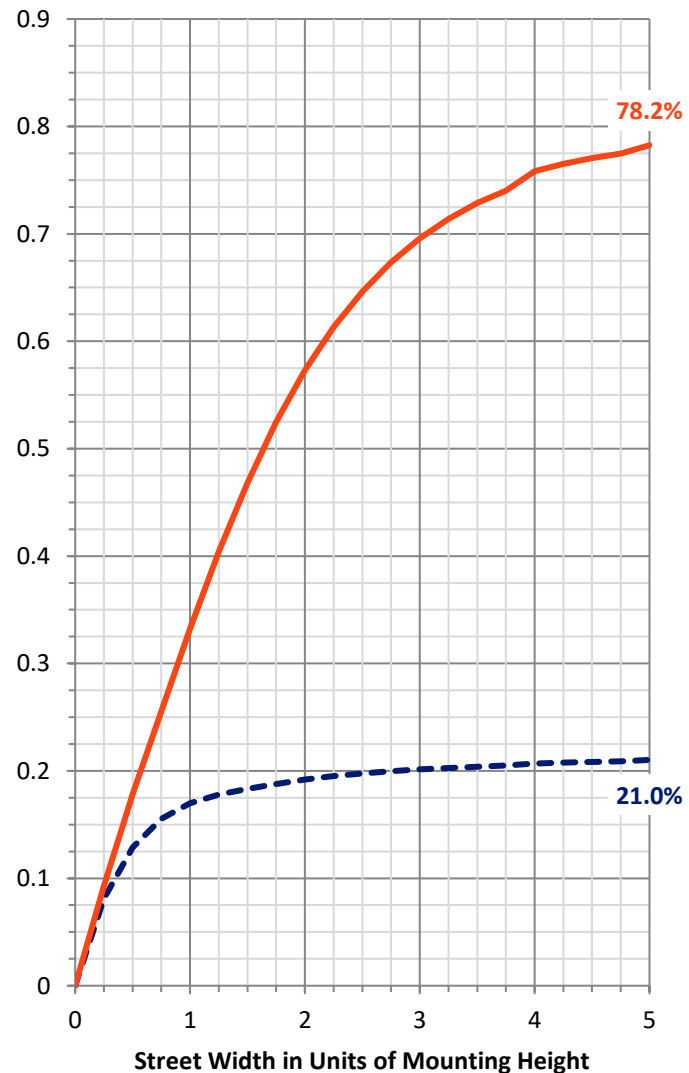
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	740.5	0.0	740.5
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	2703.6	0.0	2703.6
	% Fixture	78.5	0.0	78.5
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°	33.3	1.0
10°-20°	83.8	2.4
20°-30°	146.5	4.3
30°-40°	258.1	7.5
40°-50°	389.4	11.3
50°-60°	619.4	18.0
60°-70°	908.2	26.4
70°-80°	851.7	24.7
80°-90°	153.8	4.5
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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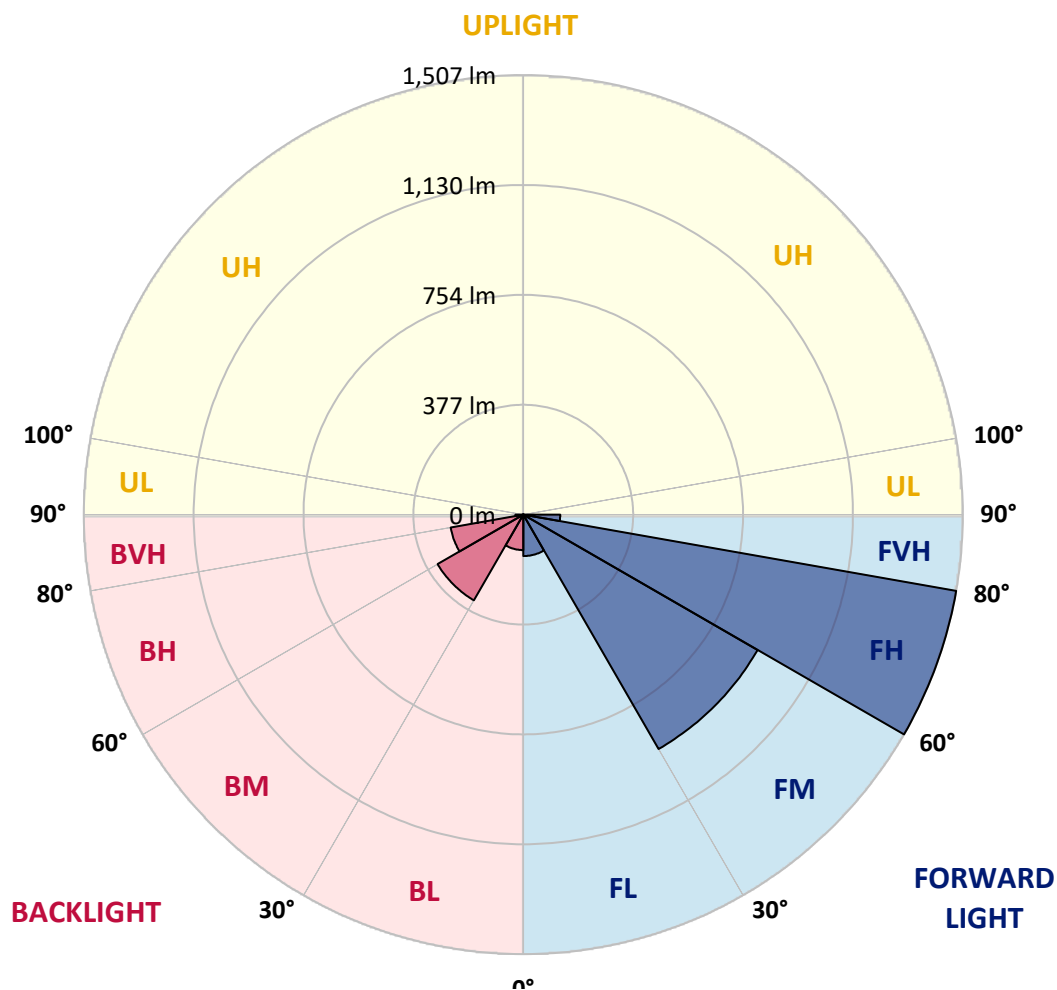
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	142.0	4.1			
FM	(30°-60°)	927.8	26.9			
FH	(60°-80°)	1507.1	43.8			G1/1800
FVH	(80°-90°)	126.6	3.7			G2/225
BL	(0°-30°)	121.6	3.5	B1/500		
BM	(30°-60°)	339.0	9.8	B1/1000		
BH	(60°-80°)	252.8	7.3	B1/500		G1/500
BVH	(80°-90°)	27.2	0.8			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	400.5	400.5	400.5	400.5	400.5	400.5	400.5	400.5	400.5	400.5	400.5
2.5°	363.6	378.9	386.5	394.1	396.7	399.2	399.2	397.9	397.9	397.9	400.5
5°	370.0	368.7	368.7	368.7	367.4	366.2	364.9	362.3	361.1	358.5	357.3
7.5°	339.5	364.9	366.2	367.4	367.4	366.2	368.7	371.2	368.7	364.9	359.8
10°	403.0	401.8	399.2	396.7	392.9	389.0	359.8	329.3	331.8	334.4	310.2
12.5°	349.6	373.8	384.0	394.1	395.4	395.4	375.1	353.4	325.5	297.5	286.1
15°	427.2	424.6	419.6	414.5	380.1	344.5	324.2	303.9	303.9	303.9	269.5
17.5°	359.8	358.5	381.4	404.3	391.6	378.9	349.6	320.4	277.2	232.7	260.6
20°	441.2	441.2	434.8	428.5	370.0	310.2	314.0	316.6	317.8	317.8	305.1
22.5°	370.0	367.4	370.0	371.2	371.2	371.2	317.8	264.5	293.7	321.7	292.4
25°	441.2	442.4	441.2	439.9	386.5	331.8	340.7	349.6	309.0	267.0	295.0
27.5°	385.2	384.0	377.6	371.2	372.5	373.8	345.8	316.6	333.1	349.6	320.4
30°	471.7	473.0	469.1	464.1	410.7	357.3	354.7	350.9	339.5	328.0	338.2
32.5°	569.6	569.6	530.2	490.8	457.7	423.4	395.4	367.4	378.9	390.3	377.6
35°	621.7	619.2	606.5	592.5	531.4	469.1	431.0	391.6	395.4	397.9	397.9
37.5°	714.5	713.3	695.5	677.7	595.0	511.1	461.5	410.7	418.3	424.6	415.7
40°	830.2	830.2	816.2	801.0	695.5	588.7	518.7	448.8	447.5	445.0	434.8
42.5°	942.1	945.9	937.0	928.1	804.8	681.5	589.9	498.4	486.9	475.5	465.3
45°	1015.8	1020.9	1028.6	1036.2	914.1	792.1	685.3	577.2	555.6	532.7	514.9
47.5°	1090.9	1083.2	1093.4	1103.6	999.3	895.1	778.1	661.1	625.5	589.9	570.9
50°	1160.8	1158.2	1162.1	1165.9	1080.7	995.5	874.7	753.9	710.7	666.2	644.6
52.5°	1252.3	1243.4	1238.3	1233.3	1160.8	1088.3	973.9	858.2	807.3	755.2	729.8
55°	1340.1	1336.2	1328.6	1319.7	1257.4	1195.1	1074.3	953.5	900.2	846.8	817.5
57.5°	1430.3	1427.8	1426.5	1425.2	1370.6	1315.9	1192.6	1068.0	1006.9	944.6	920.5
60°	1515.5	1516.8	1527.0	1535.9	1493.9	1451.9	1327.3	1202.7	1125.2	1046.4	1022.2
62.5°	1566.4	1570.2	1595.6	1619.8	1596.9	1574.0	1445.6	1315.9	1234.5	1151.9	1135.4
65°	1501.5	1520.6	1594.3	1668.1	1668.1	1668.1	1551.1	1432.9	1361.7	1290.5	1276.5
67.5°	1356.6	1375.7	1481.2	1585.4	1640.1	1694.8	1618.5	1542.2	1493.9	1444.3	1426.5
70°	1237.1	1248.5	1347.7	1445.6	1582.9	1720.2	1670.6	1619.8	1617.2	1613.4	1565.1
72.5°	1136.6	1162.1	1243.4	1323.5	1513.0	1702.4	1701.1	1699.9	1752.0	1804.1	1711.3
75°	909.1	906.5	982.8	1059.1	1272.7	1485.0	1604.5	1722.7	1872.8	2021.5	1879.1
77.5°	405.6	433.5	506.0	578.5	770.5	961.2	1191.3	1421.4	1752.0	2081.3	1936.3
80°	115.7	122.1	142.4	161.5	251.7	340.7	582.3	822.6	1238.3	1652.8	1554.9
82.5°	61.0	63.6	76.3	87.7	113.2	137.3	228.9	319.1	676.4	1032.4	943.4
85°	29.2	26.7	34.3	40.7	54.7	68.7	105.5	142.4	261.9	381.4	329.3
87.5°	6.4	6.4	7.6	7.6	11.4	15.3	22.9	30.5	29.2	26.7	31.8
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	400.5	400.5	400.5	400.5	400.5	400.5	400.5	400.5	400.5	400.5	400.5
2.5°	401.8	403.0	404.3	403.0	401.8	400.5	400.5	399.2	399.2	397.9	395.4
5°	356.0	373.8	391.6	392.9	394.1	394.1	392.9	391.6	389.0	387.8	385.2
7.5°	354.7	348.4	342.0	343.3	344.5	345.8	345.8	342.0	340.7	330.6	320.4
10°	284.8	278.4	272.1	275.9	279.7	293.7	301.3	298.8	296.2	278.4	259.4
12.5°	274.6	272.1	269.5	250.5	231.4	247.9	259.4	258.1	254.3	237.8	221.2
15°	235.2	236.5	236.5	258.1	279.7	293.7	303.9	301.3	298.8	278.4	258.1
17.5°	287.3	273.4	258.1	254.3	250.5	256.8	247.9	233.9	242.8	240.3	237.8
20°	291.2	256.8	221.2	256.8	292.4	301.3	320.4	319.1	315.3	297.5	279.7
22.5°	263.2	283.5	302.6	283.5	264.5	251.7	245.4	242.8	241.6	246.7	250.5
25°	322.9	284.8	245.4	292.4	338.2	348.4	353.4	349.6	348.4	325.5	302.6
27.5°	289.9	310.2	330.6	345.8	361.1	373.8	411.9	375.1	373.8	352.2	329.3
30°	347.1	368.7	390.3	429.7	469.1	490.8	498.4	495.8	489.5	455.2	420.8
32.5°	364.9	408.1	450.1	467.9	484.4	507.3	518.7	517.5	511.1	470.4	428.5
35°	397.9	429.7	461.5	485.7	508.6	530.2	540.3	544.2	536.5	485.7	433.5
37.5°	406.8	447.5	488.2	513.6	539.1	555.6	564.5	575.9	567.0	506.0	443.7
40°	424.6	473.0	520.0	545.4	569.6	584.8	600.1	614.1	602.6	528.9	453.9
42.5°	453.9	503.5	551.8	581.0	609.0	630.6	648.4	667.5	645.9	550.5	453.9
45°	497.1	542.9	588.7	628.1	666.2	692.9	718.3	745.0	701.8	578.5	453.9
47.5°	551.8	596.3	639.5	701.8	764.1	788.3	818.8	844.2	774.3	614.1	453.9
50°	621.7	671.3	720.9	803.5	884.9	907.8	945.9	965.0	870.9	668.8	465.3
52.5°	703.1	757.8	811.2	907.8	1004.4	1042.5	1093.4	1106.1	968.8	723.4	476.8
55°	788.3	862.0	934.5	1041.3	1146.8	1183.7	1256.1	1266.3	1094.7	790.8	485.7
57.5°	896.3	982.8	1068.0	1172.2	1275.2	1327.3	1440.5	1444.3	1240.9	873.5	504.7
60°	998.0	1106.1	1212.9	1312.1	1411.3	1492.6	1623.6	1624.8	1378.2	935.8	492.0
62.5°	1118.8	1247.2	1374.4	1459.6	1544.8	1645.2	1802.8	1780.0	1474.8	943.4	411.9
65°	1261.2	1393.5	1525.7	1598.1	1669.3	1783.8	1954.1	1866.4	1501.5	900.2	297.5
67.5°	1407.4	1530.8	1654.1	1711.3	1768.5	1913.5	2064.8	1876.6	1462.1	835.3	207.2
70°	1516.8	1632.5	1748.2	1797.8	1847.3	2003.7	2097.8	1810.5	1351.5	756.5	161.5
72.5°	1617.2	1726.6	1834.6	1860.1	1884.2	1964.3	1930.0	1595.6	1139.2	637.0	133.5
75°	1736.7	1806.7	1875.3	1829.5	1783.8	1675.7	1481.2	1163.3	834.0	474.2	114.4
77.5°	1791.4	1774.9	1757.1	1600.7	1444.3	1154.4	920.5	672.6	423.4	260.6	97.9
80°	1457.0	1390.9	1323.5	1061.6	799.7	546.7	358.5	227.6	155.1	117.0	78.8
82.5°	853.1	699.3	545.4	400.5	255.6	179.3	117.0	92.8	72.5	68.7	63.6
85°	275.9	244.1	212.3	167.8	123.3	76.3	44.5	40.7	38.1	42.0	44.5
87.5°	36.9	36.9	35.6	26.7	16.5	8.9	5.1	3.8	3.8	5.1	5.1
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°	400.5	400.5	400.5	400.5	400.5	400.5	400.5	400.5	400.5	400.5	400.5
2.5°	395.4	394.1	392.9	391.6	390.3	387.8	377.6	367.4	363.6	358.5	354.7
5°	372.5	359.8	350.9	342.0	338.2	333.1	334.4	335.6	336.9	336.9	336.9
7.5°	322.9	325.5	326.7	326.7	330.6	333.1	335.6	336.9	331.8	326.7	320.4
10°	256.8	253.0	258.1	261.9	268.3	273.4	289.9	306.4	321.7	336.9	343.3
12.5°	233.9	246.7	236.5	226.3	246.7	265.7	288.6	311.5	325.5	338.2	326.7
15°	237.8	216.1	218.7	220.0	245.4	269.5	255.6	241.6	281.0	319.1	330.6
17.5°	233.9	230.1	244.1	256.8	232.7	208.5	242.8	275.9	293.7	311.5	306.4
20°	253.0	225.0	225.0	225.0	246.7	268.3	251.7	235.2	254.3	273.4	305.1
22.5°	261.9	272.1	251.7	230.1	244.1	258.1	258.1	256.8	278.4	298.8	293.7
25°	264.5	226.3	244.1	260.6	251.7	241.6	253.0	263.2	269.5	275.9	303.9
27.5°	302.6	275.9	255.6	233.9	250.5	267.0	263.2	259.4	264.5	269.5	275.9
30°	358.5	296.2	273.4	249.2	240.3	230.1	241.6	251.7	270.8	289.9	315.3
32.5°	375.1	320.4	283.5	245.4	244.1	241.6	245.4	247.9	269.5	289.9	325.5
35°	372.5	310.2	274.6	237.8	230.1	222.5	228.9	233.9	265.7	297.5	331.8
37.5°	370.0	295.0	258.1	221.2	216.1	209.8	216.1	222.5	246.7	270.8	302.6
40°	366.2	277.2	241.6	204.7	198.3	192.0	198.3	203.4	222.5	241.6	267.0
42.5°	357.3	259.4	223.8	186.9	181.8	175.5	180.5	185.6	202.2	218.7	233.9
45°	347.1	239.0	204.7	170.4	165.3	160.2	164.0	166.6	181.8	195.8	203.4
47.5°	335.6	217.4	185.6	153.8	148.8	143.7	147.5	150.0	161.5	172.9	175.5
50°	333.1	199.6	170.4	139.9	136.0	131.0	133.5	136.0	144.9	152.6	152.6
52.5°	328.0	178.0	153.8	128.4	125.9	122.1	123.3	124.6	131.0	137.3	136.0
55°	324.2	162.7	141.1	119.5	117.0	113.2	114.4	115.7	122.1	127.1	125.9
57.5°	328.0	150.0	131.0	110.6	108.1	105.5	108.1	110.6	117.0	123.3	123.3
60°	315.3	137.3	119.5	101.7	100.4	97.9	104.3	109.3	119.5	128.4	131.0
62.5°	269.5	125.9	110.6	95.4	96.6	96.6	108.1	118.2	132.2	144.9	147.5
65°	207.2	117.0	104.3	90.3	96.6	103.0	118.2	133.5	146.2	158.9	155.1
67.5°	158.9	110.6	100.4	89.0	103.0	115.7	129.7	143.7	150.0	155.1	148.8
70°	133.5	104.3	96.6	87.7	101.7	115.7	129.7	143.7	146.2	148.8	142.4
72.5°	117.0	99.2	91.5	83.9	95.4	106.8	123.3	138.6	141.1	142.4	136.0
75°	104.3	92.8	83.9	75.0	86.5	96.6	113.2	129.7	132.2	133.5	128.4
77.5°	91.5	85.2	75.0	64.8	76.3	87.7	103.0	118.2	122.1	125.9	119.5
80°	76.3	72.5	64.8	57.2	69.9	81.4	95.4	109.3	113.2	117.0	110.6
82.5°	61.0	58.5	53.4	48.3	61.0	73.7	87.7	100.4	104.3	106.8	99.2
85°	44.5	44.5	42.0	39.4	52.1	63.6	72.5	81.4	80.1	78.8	73.7
87.5°	6.4	6.4	8.9	11.4	15.3	17.8	22.9	26.7	28.0	28.0	21.6
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°	400.5	400.5	400.5	400.5
2.5°	350.9	350.9	349.6	352.2
5°	336.9	338.2	338.2	339.5
7.5°	314.0	307.7	300.1	301.3
10°	349.6	350.9	352.2	352.2
12.5°	314.0	309.0	302.6	303.9
15°	340.7	344.5	348.4	349.6
17.5°	300.1	298.8	297.5	296.2
20°	335.6	342.0	348.4	348.4
22.5°	288.6	288.6	288.6	289.9
25°	331.8	339.5	345.8	345.8
27.5°	281.0	298.8	316.6	330.6
30°	339.5	343.3	347.1	348.4
32.5°	359.8	378.9	396.7	400.5
35°	364.9	373.8	381.4	385.2
37.5°	334.4	342.0	349.6	354.7
40°	291.2	297.5	303.9	307.7
42.5°	247.9	249.2	250.5	256.8
45°	211.1	204.7	198.3	197.1
47.5°	176.7	167.8	158.9	157.7
50°	151.3	143.7	136.0	136.0
52.5°	133.5	128.4	123.3	123.3
55°	124.6	122.1	118.2	118.2
57.5°	123.3	122.1	120.8	120.8
60°	132.2	133.5	133.5	133.5
62.5°	148.8	150.0	150.0	150.0
65°	150.0	147.5	144.9	144.9
67.5°	142.4	138.6	134.8	132.2
70°	134.8	132.2	128.4	124.6
72.5°	128.4	125.9	122.1	118.2
75°	122.1	118.2	113.2	110.6
77.5°	113.2	110.6	106.8	104.3
80°	103.0	100.4	96.6	91.5
82.5°	91.5	92.8	92.8	80.1
85°	67.4	63.6	58.5	48.3
87.5°	14.0	12.7	10.2	8.9
90°	0.0	0.0	0.0	0.0



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