

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: P560365

Luminaire Tested: **SDL-PA1-40-730-U-T2U**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560365
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-8)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-40-730-U-T2U
Description: Springdale
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4568.9 lumens
Efficiency: N/A
Efficacy: 116.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B2 - 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

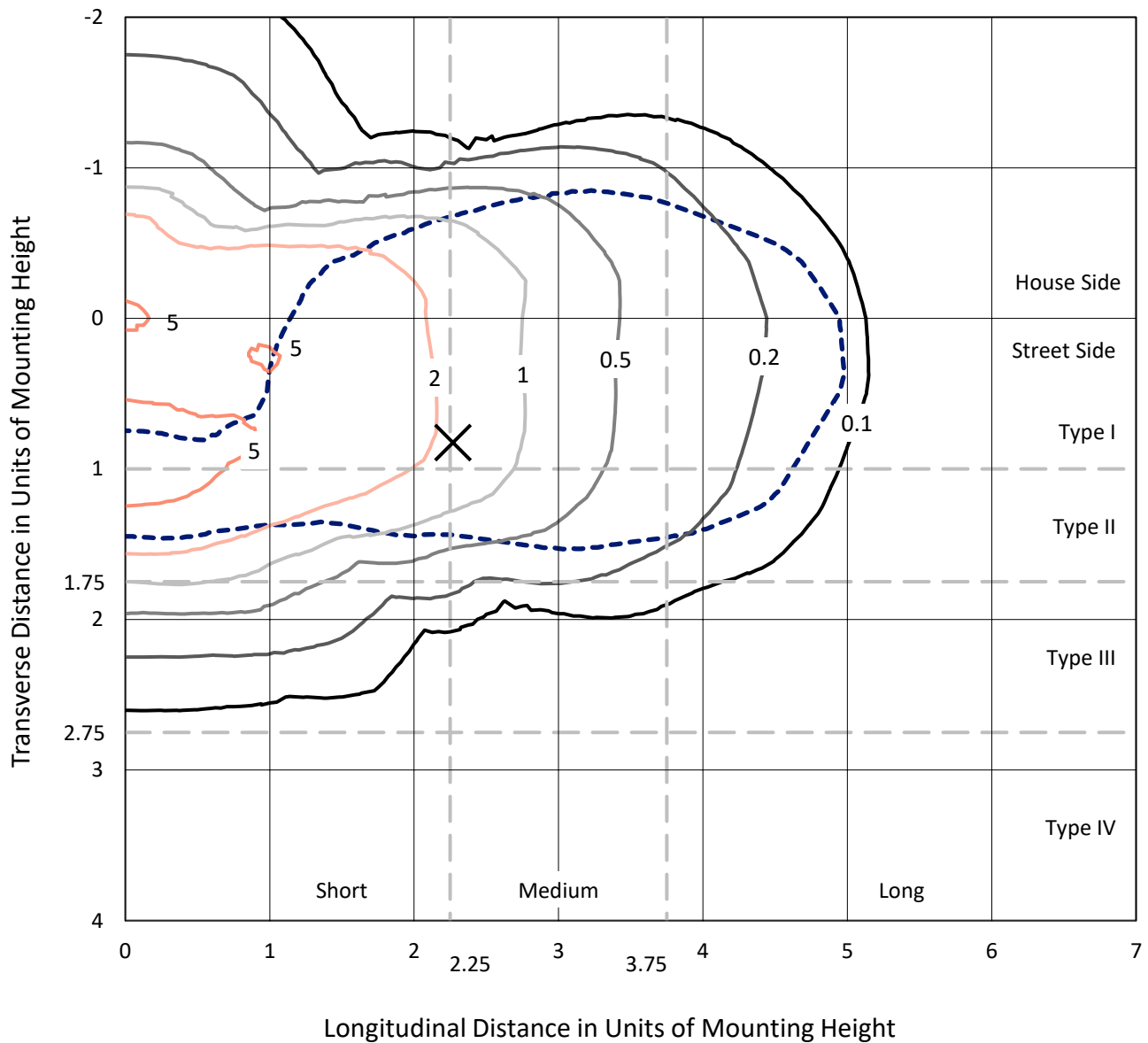


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

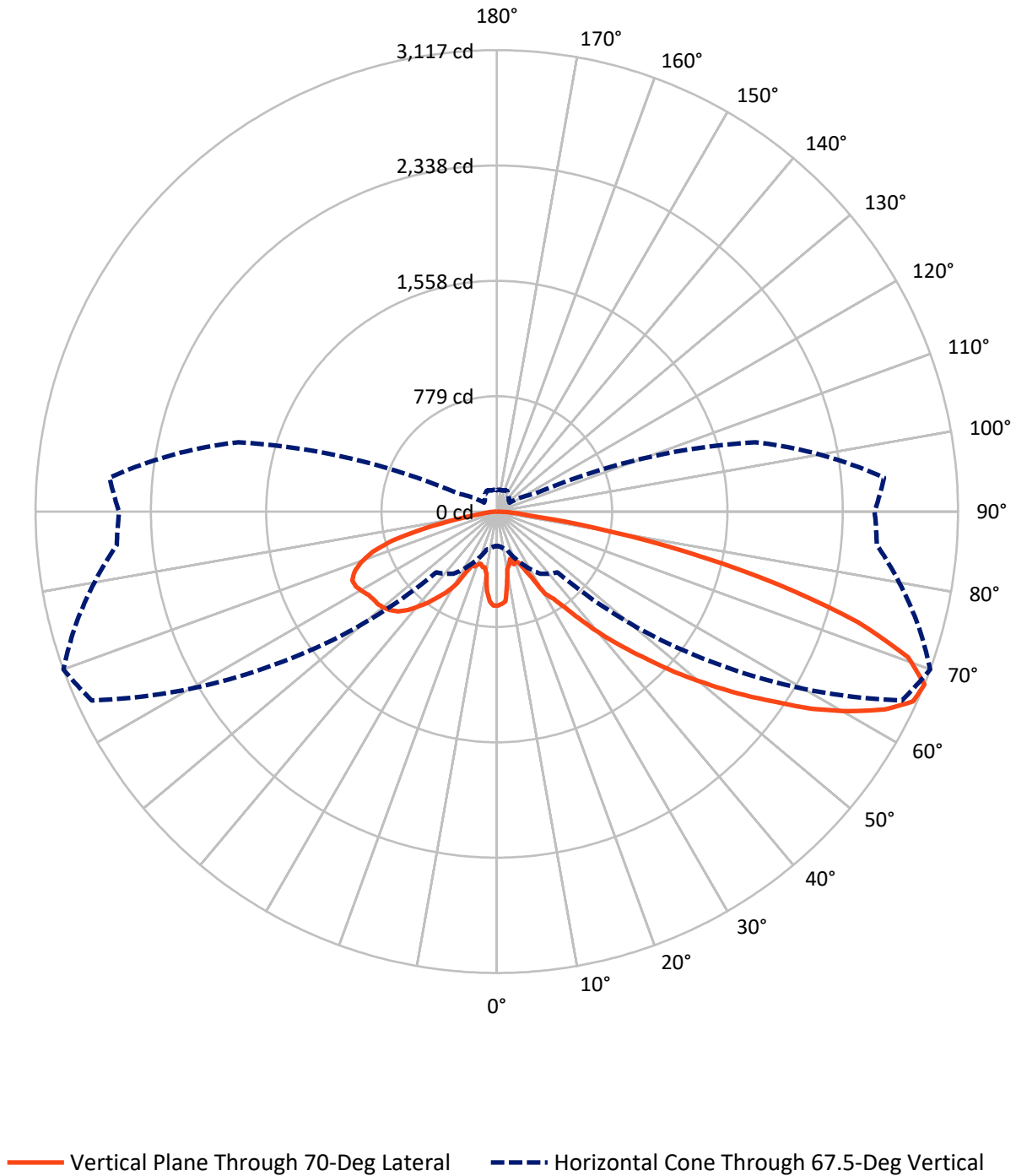


Based on 10 foot mounting height. Maximum calculated value = 8.3 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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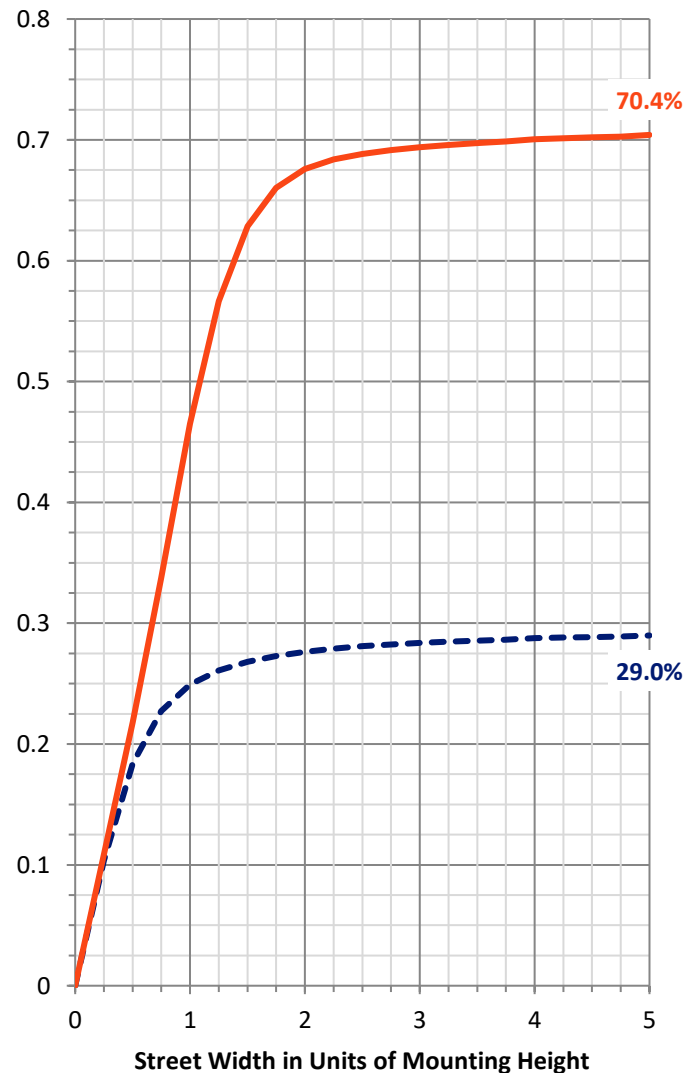
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1339.9	0.0	1339.9
	% Fixture	29.3	0.0	29.3
Street Side	Lumens	3229.0	0.0	3229.0
	% Fixture	70.7	0.0	70.7
Total	Lumens	4568.9	0.0	4568.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.0	1.1
10°-20°	119.6	2.6
20°-30°	212.5	4.7
30°-40°	449.3	9.8
40°-50°	822.5	18.0
50°-60°	1122.0	24.6
60°-70°	1057.8	23.2
70°-80°	640.2	14.0
80°-90°	94.0	2.1
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°	4568.9	100.0
0°-180°	4568.9	100.0



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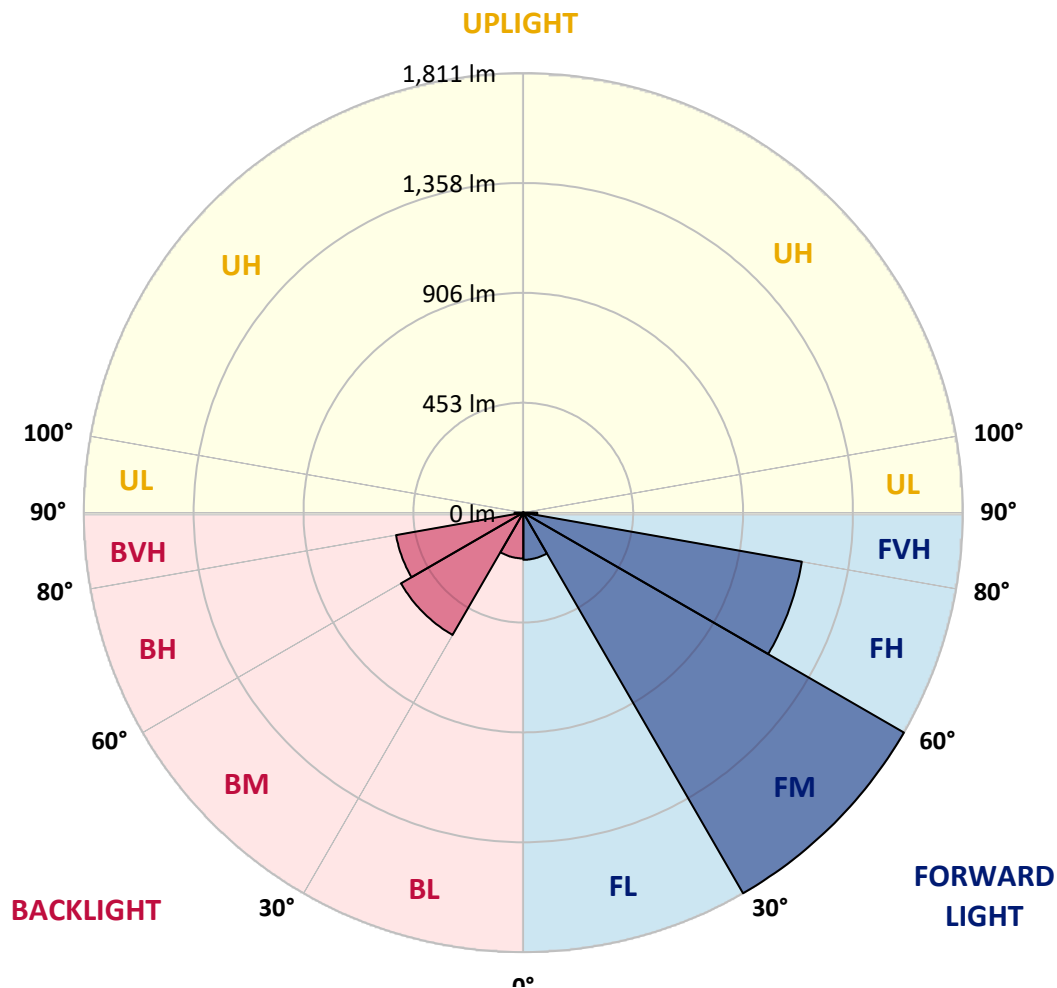
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	194.4	4.3			
FM	(30°-60°)	1811.3	39.6			
FH	(60°-80°)	1165.7	25.5			G1/1800
FVH	(80°-90°)	57.7	1.3			G1/100
BL	(0°-30°)	188.7	4.1	B1/500		
BM	(30°-60°)	582.5	12.7	B1/1000		
BH	(60°-80°)	532.3	11.7	B2/1000		G2/1000
BVH	(80°-90°)	36.4	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	636.2	636.2	636.2	636.2	636.2	636.2	636.2	636.2	636.2	636.2	636.2
2.5°	534.2	539.2	572.1	604.9	606.6	606.6	608.2	609.9	614.8	618.1	621.4
5°	498.1	501.4	501.4	501.4	503.0	504.7	506.3	506.3	509.6	511.2	514.5
7.5°	417.5	450.4	461.9	471.8	478.4	483.3	486.6	489.9	493.1	496.4	499.7
10°	475.1	475.1	476.7	476.7	476.7	475.1	442.2	407.7	424.1	440.5	415.9
12.5°	391.2	397.8	427.4	455.3	463.6	470.1	453.7	435.6	406.0	376.4	373.1
15°	465.2	465.2	465.2	463.6	434.0	402.7	371.5	338.6	358.4	378.1	348.5
17.5°	402.7	402.7	427.4	450.4	448.8	445.5	417.5	387.9	341.9	294.2	332.1
20°	507.9	506.3	498.1	488.2	427.4	366.6	379.7	392.9	396.2	397.8	386.3
22.5°	453.7	455.3	465.2	475.1	476.7	478.4	407.7	335.3	376.4	417.5	378.1
25°	631.2	627.9	613.1	596.7	529.3	460.3	473.4	486.6	419.2	350.1	392.9
27.5°	600.0	590.1	583.6	577.0	588.5	600.0	537.5	473.4	488.2	503.0	448.8
30°	858.1	858.1	841.6	823.6	721.6	618.1	601.6	585.2	545.8	504.7	514.5
32.5°	1086.6	1086.6	1025.7	963.3	902.5	841.6	761.1	680.5	664.1	646.0	629.6
35°	1367.7	1359.4	1324.9	1288.8	1157.3	1025.7	922.2	818.6	785.8	752.9	736.4
37.5°	1630.7	1612.6	1564.9	1515.6	1377.5	1237.8	1101.4	964.9	928.8	892.6	856.4
40°	1847.7	1837.8	1804.9	1770.4	1614.2	1458.1	1303.6	1147.4	1099.7	1052.1	999.4
42.5°	2046.6	2038.3	2008.8	1977.5	1823.0	1666.8	1520.5	1372.6	1301.9	1231.2	1168.8
45°	2192.9	2179.7	2160.0	2138.6	2015.3	1890.4	1742.5	1592.9	1564.9	1537.0	1415.3
47.5°	2238.9	2215.9	2212.6	2209.3	2110.7	2012.0	1893.7	1775.3	1780.3	1785.2	1643.8
50°	2171.5	2137.0	2151.8	2166.6	2127.1	2086.0	1994.0	1901.9	1943.0	1982.5	1870.7
52.5°	1926.6	1918.3	1956.2	1992.3	2002.2	2012.0	1992.3	1971.0	2046.6	2122.2	2081.1
55°	1589.6	1625.7	1678.3	1731.0	1772.0	1811.5	1869.0	1926.6	2056.4	2186.3	2215.9
57.5°	1252.6	1290.4	1351.2	1412.0	1459.7	1507.4	1625.7	1744.1	1939.7	2135.3	2268.5
60°	843.3	882.7	983.0	1081.6	1149.0	1216.4	1323.3	1430.1	1676.7	1923.3	2192.9
62.5°	562.2	549.0	632.9	715.1	823.6	932.1	979.7	1025.7	1283.8	1540.3	1975.9
65°	345.2	346.8	379.7	411.0	531.0	649.3	687.1	723.3	869.6	1015.9	1609.3
67.5°	231.8	236.7	251.5	266.3	323.8	381.4	447.1	512.9	547.4	580.3	1173.7
70°	205.5	207.1	213.7	220.3	236.7	253.1	314.0	374.8	355.1	333.7	665.8
72.5°	180.8	182.5	194.0	203.8	212.1	220.3	256.4	292.6	269.6	246.6	332.1
75°	147.9	152.9	164.4	174.2	190.7	205.5	213.7	221.9	210.4	197.3	213.7
77.5°	121.6	124.9	133.2	141.4	157.8	172.6	180.8	189.0	171.0	152.9	162.7
80°	95.3	97.0	103.6	110.1	123.3	134.8	144.7	152.9	136.4	118.4	123.3
82.5°	57.5	59.2	69.0	77.3	88.8	98.6	105.2	110.1	115.1	118.4	103.6
85°	31.2	31.2	37.8	44.4	46.0	47.7	54.2	59.2	74.0	87.1	75.6
87.5°	4.9	4.9	6.6	6.6	9.9	11.5	13.2	13.2	14.8	14.8	16.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	636.2	636.2	636.2	636.2	636.2	636.2	636.2	636.2	636.2	636.2	636.2
2.5°	623.0	624.7	624.7	624.7	626.3	627.9	629.6	629.6	631.2	632.9	634.5
5°	517.8	560.5	601.6	608.2	613.1	616.4	619.7	621.4	624.7	627.9	629.6
7.5°	503.0	503.0	503.0	491.5	534.2	539.2	544.1	547.4	550.7	547.4	542.5
10°	389.6	389.6	387.9	391.2	409.3	440.5	470.1	473.4	476.7	450.4	422.5
12.5°	368.2	373.1	378.1	369.9	337.0	364.9	392.9	397.8	399.5	376.4	351.8
15°	317.3	318.9	320.5	332.1	399.5	427.4	455.3	460.3	465.2	440.5	414.2
17.5°	368.2	356.7	343.6	374.8	348.5	366.6	383.0	343.6	379.7	373.1	366.6
20°	374.8	335.3	294.2	350.1	409.3	437.3	463.6	466.8	468.5	448.8	427.4
22.5°	338.6	376.4	414.2	376.4	353.4	350.1	346.8	345.2	346.8	358.4	368.2
25°	435.6	387.9	340.3	427.4	481.6	494.8	507.9	501.4	498.1	473.4	448.8
27.5°	394.5	432.3	468.5	504.7	521.1	539.2	555.6	560.5	534.2	507.9	481.6
30°	522.7	545.8	567.1	641.1	695.3	711.8	728.2	711.8	701.9	669.0	634.5
32.5°	611.5	657.5	703.6	701.9	752.9	766.0	777.5	756.2	738.1	701.9	664.1
35°	720.0	749.6	779.2	795.6	846.6	851.5	856.4	828.5	802.2	759.4	716.7
37.5°	820.3	858.1	894.2	935.3	979.7	969.9	958.4	923.8	881.1	848.2	815.3
40°	945.2	991.2	1037.3	1089.9	1116.2	1101.4	1084.9	1032.3	991.2	956.7	922.2
42.5°	1104.7	1154.0	1201.6	1247.7	1257.5	1241.1	1223.0	1165.5	1103.0	1068.5	1032.3
45°	1292.0	1331.5	1371.0	1418.6	1438.4	1408.8	1377.5	1305.2	1231.2	1181.9	1132.6
47.5°	1500.8	1518.9	1537.0	1619.2	1645.5	1596.2	1545.2	1466.3	1362.7	1298.6	1232.9
50°	1758.9	1754.0	1747.4	1819.7	1880.5	1798.3	1714.5	1622.5	1520.5	1430.1	1338.1
52.5°	2040.0	1992.3	1943.0	2040.0	2069.6	1971.0	1872.3	1773.7	1671.8	1555.1	1436.7
55°	2245.5	2219.2	2192.9	2261.9	2258.6	2143.6	2026.8	1910.1	1826.3	1670.1	1514.0
57.5°	2400.0	2423.0	2444.4	2513.4	2434.5	2303.0	2171.5	2054.8	1982.5	1786.8	1591.2
60°	2460.8	2579.2	2695.9	2737.0	2617.0	2469.0	2319.4	2204.4	2143.6	1906.8	1670.1
62.5°	2411.5	2672.9	2934.2	2942.5	2784.6	2618.6	2452.6	2358.9	2327.7	2036.7	1744.1
65°	2202.7	2633.4	3062.5	3092.0	2914.5	2740.3	2564.4	2495.3	2515.1	2158.3	1800.0
67.5°	1765.5	2393.4	3019.7	3116.7	2945.7	2761.6	2577.5	2552.9	2626.8	2217.5	1808.2
70°	997.8	1839.4	2679.4	2949.0	2858.6	2676.2	2492.0	2503.6	2613.7	2184.6	1755.6
72.5°	415.9	1272.3	2128.8	2551.2	2630.1	2475.6	2319.4	2362.2	2437.8	2030.1	1620.8
75°	230.1	812.1	1394.0	1956.2	2199.4	2158.3	2115.6	2163.3	2127.1	1732.6	1338.1
77.5°	171.0	438.9	706.8	1310.1	1655.3	1749.0	1841.1	1864.1	1661.9	1265.7	869.6
80°	128.2	208.8	287.7	669.0	887.7	1055.3	1223.0	1119.4	978.1	683.8	389.6
82.5°	88.8	120.0	151.2	215.3	345.2	397.8	448.8	427.4	320.5	225.2	128.2
85°	62.5	78.9	95.3	118.4	147.9	118.4	88.8	72.3	83.8	77.3	70.7
87.5°	16.4	16.4	14.8	16.4	11.5	9.9	8.2	6.6	6.6	6.6	6.6
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	636.2	636.2	636.2	636.2	636.2	636.2	636.2	636.2	636.2	636.2	636.2
2.5°	636.2	637.8	637.8	637.8	637.8	636.2	627.9	619.7	600.0	580.3	573.7
5°	608.2	586.8	570.4	554.0	554.0	554.0	557.3	560.5	562.2	563.8	565.5
7.5°	542.5	540.8	547.4	554.0	558.9	563.8	567.1	570.4	563.8	557.3	542.5
10°	424.1	424.1	432.3	438.9	450.4	461.9	494.8	527.7	555.6	583.6	588.5
12.5°	384.7	415.9	397.8	378.1	419.2	460.3	496.4	531.0	558.9	585.2	563.8
15°	386.3	356.7	363.3	369.9	414.2	458.6	425.8	391.2	457.0	521.1	535.9
17.5°	368.2	369.9	399.5	429.0	384.7	338.6	396.2	453.7	478.4	501.4	480.0
20°	378.1	327.1	361.6	396.2	427.4	457.0	427.4	396.2	404.4	412.6	468.5
22.5°	399.5	430.7	401.1	371.5	407.7	442.2	427.4	412.6	438.9	463.6	440.5
25°	397.8	345.2	394.5	443.8	411.0	376.4	394.5	412.6	399.5	384.7	427.4
27.5°	458.6	435.6	422.5	407.7	425.8	443.8	406.0	368.2	368.2	368.2	363.3
30°	573.7	512.9	486.6	458.6	414.2	369.9	356.7	343.6	345.2	346.8	371.5
32.5°	641.1	618.1	539.2	460.3	419.2	378.1	343.6	309.0	312.3	315.6	346.8
35°	700.3	682.2	577.0	470.1	402.7	333.7	304.1	272.9	287.7	300.8	327.1
37.5°	767.7	718.4	575.3	430.7	358.4	286.0	267.9	249.9	259.7	267.9	284.4
40°	828.5	733.1	560.5	386.3	314.0	240.0	231.8	221.9	230.1	238.4	248.2
42.5°	894.2	754.5	539.2	322.2	264.7	207.1	203.8	200.5	208.8	217.0	223.6
45°	945.2	757.8	511.2	263.0	225.2	187.4	187.4	185.8	194.0	200.5	203.8
47.5°	978.1	721.6	466.8	210.4	194.0	177.5	179.2	179.2	185.8	190.7	192.3
50°	1001.1	662.5	424.1	185.8	177.5	169.3	169.3	169.3	175.9	180.8	184.1
52.5°	1017.5	596.7	384.7	171.0	167.7	162.7	162.7	161.1	169.3	177.5	179.2
55°	1022.5	529.3	345.2	159.5	156.2	152.9	156.2	157.8	167.7	175.9	177.5
57.5°	1034.0	476.7	312.3	147.9	146.3	144.7	149.6	154.5	164.4	174.2	174.2
60°	1057.0	442.2	289.3	136.4	136.4	136.4	144.7	151.2	161.1	171.0	169.3
62.5°	1078.4	411.0	267.9	124.9	126.6	128.2	138.1	147.9	157.8	167.7	166.0
65°	1081.6	361.6	238.4	115.1	118.4	120.0	131.5	143.0	152.9	162.7	159.5
67.5°	1045.5	282.7	194.0	105.2	110.1	113.4	126.6	138.1	147.9	156.2	152.9
70°	979.7	202.2	149.6	97.0	101.9	105.2	118.4	129.9	138.1	146.3	143.0
72.5°	882.7	144.7	116.7	88.8	92.1	95.3	106.8	118.4	128.2	136.4	133.2
75°	728.2	116.7	98.6	80.5	83.8	85.5	97.0	106.8	116.7	124.9	120.0
77.5°	483.3	95.3	83.8	72.3	74.0	75.6	85.5	93.7	101.9	108.5	105.2
80°	233.4	77.3	70.7	62.5	64.1	64.1	72.3	80.5	87.1	92.1	90.4
82.5°	95.3	60.8	55.9	51.0	51.0	51.0	59.2	65.8	72.3	77.3	74.0
85°	59.2	47.7	44.4	39.5	37.8	36.2	39.5	42.7	46.0	47.7	46.0
87.5°	8.2	8.2	9.9	11.5	9.9	6.6	9.9	13.2	13.2	11.5	9.9
90°	0.0	0.0	4.9	4.9	3.3	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	636.2	636.2	636.2	636.2
2.5°	567.1	567.1	567.1	570.4
5°	565.5	565.5	565.5	568.8
7.5°	527.7	511.2	494.8	496.4
10°	591.8	593.4	593.4	595.1
12.5°	540.8	514.5	488.2	491.5
15°	550.7	550.7	549.0	550.7
17.5°	458.6	450.4	442.2	442.2
20°	524.4	524.4	524.4	524.4
22.5°	417.5	415.9	414.2	415.9
25°	470.1	471.8	471.8	470.1
27.5°	358.4	379.7	399.5	401.1
30°	394.5	394.5	394.5	394.5
32.5°	378.1	394.5	411.0	412.6
35°	351.8	350.1	348.5	353.4
37.5°	299.2	295.9	292.6	292.6
40°	258.1	251.5	244.9	244.9
42.5°	228.5	223.6	217.0	215.3
45°	207.1	202.2	195.6	195.6
47.5°	192.3	189.0	185.8	184.1
50°	185.8	182.5	179.2	179.2
52.5°	180.8	179.2	175.9	175.9
55°	177.5	175.9	172.6	172.6
57.5°	174.2	172.6	169.3	169.3
60°	167.7	166.0	164.4	164.4
62.5°	162.7	161.1	159.5	159.5
65°	156.2	156.2	154.5	152.9
67.5°	147.9	147.9	147.9	144.7
70°	138.1	138.1	138.1	134.8
72.5°	128.2	128.2	126.6	121.6
75°	115.1	113.4	111.8	108.5
77.5°	101.9	98.6	95.3	93.7
80°	87.1	83.8	80.5	77.3
82.5°	69.0	67.4	64.1	55.9
85°	42.7	37.8	31.2	27.9
87.5°	8.2	6.6	4.9	1.6
90°	0.0	0.0	0.0	0.0



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