

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: P560549

Luminaire Tested: **SDL-PA1-50-730-U-T4W**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560549
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-PA1-50-730-U-T4W
Description: Springdale
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5828.1 lumens
Efficiency: N/A
Efficacy: 111.2 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): 52.4
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

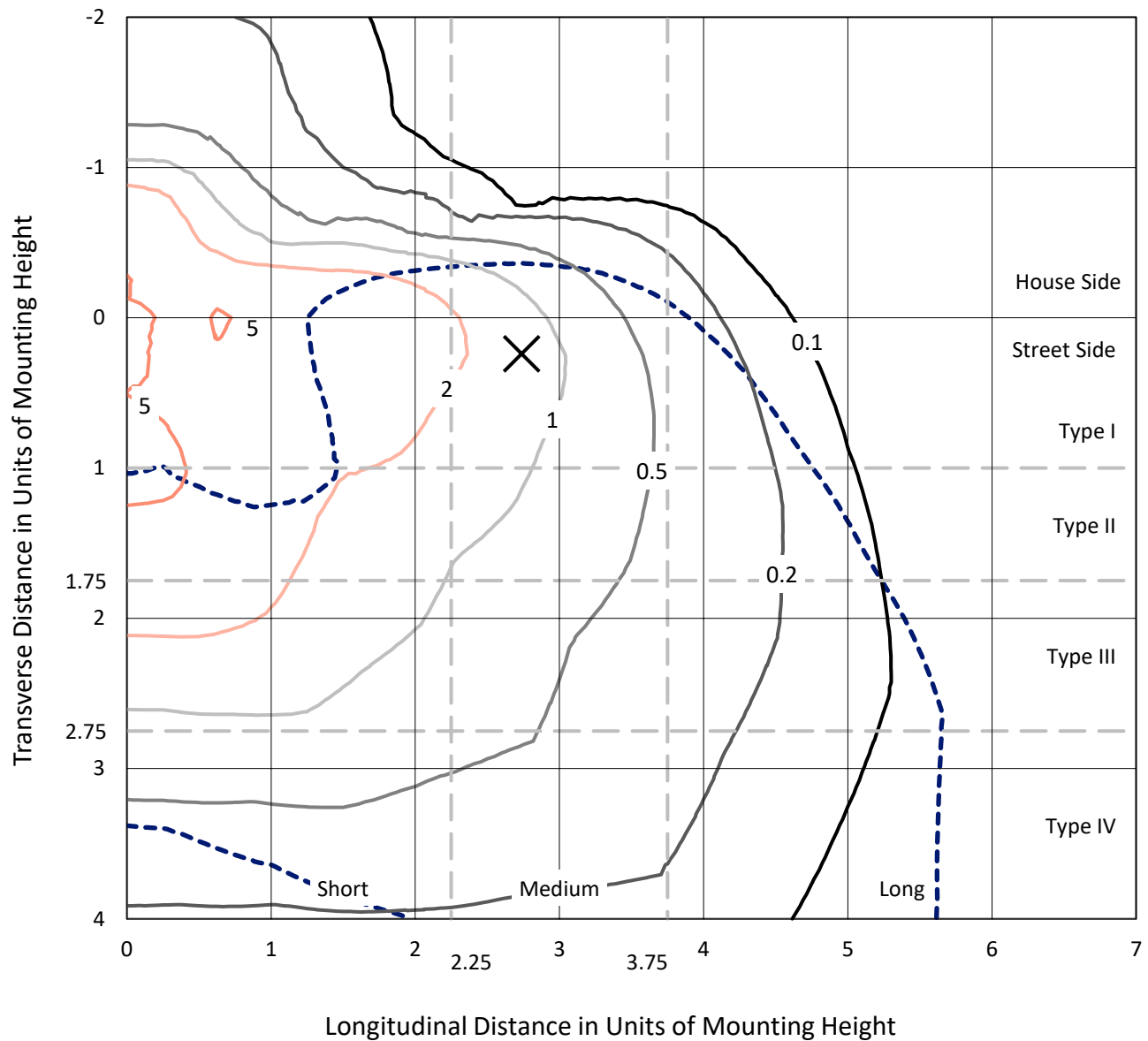


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

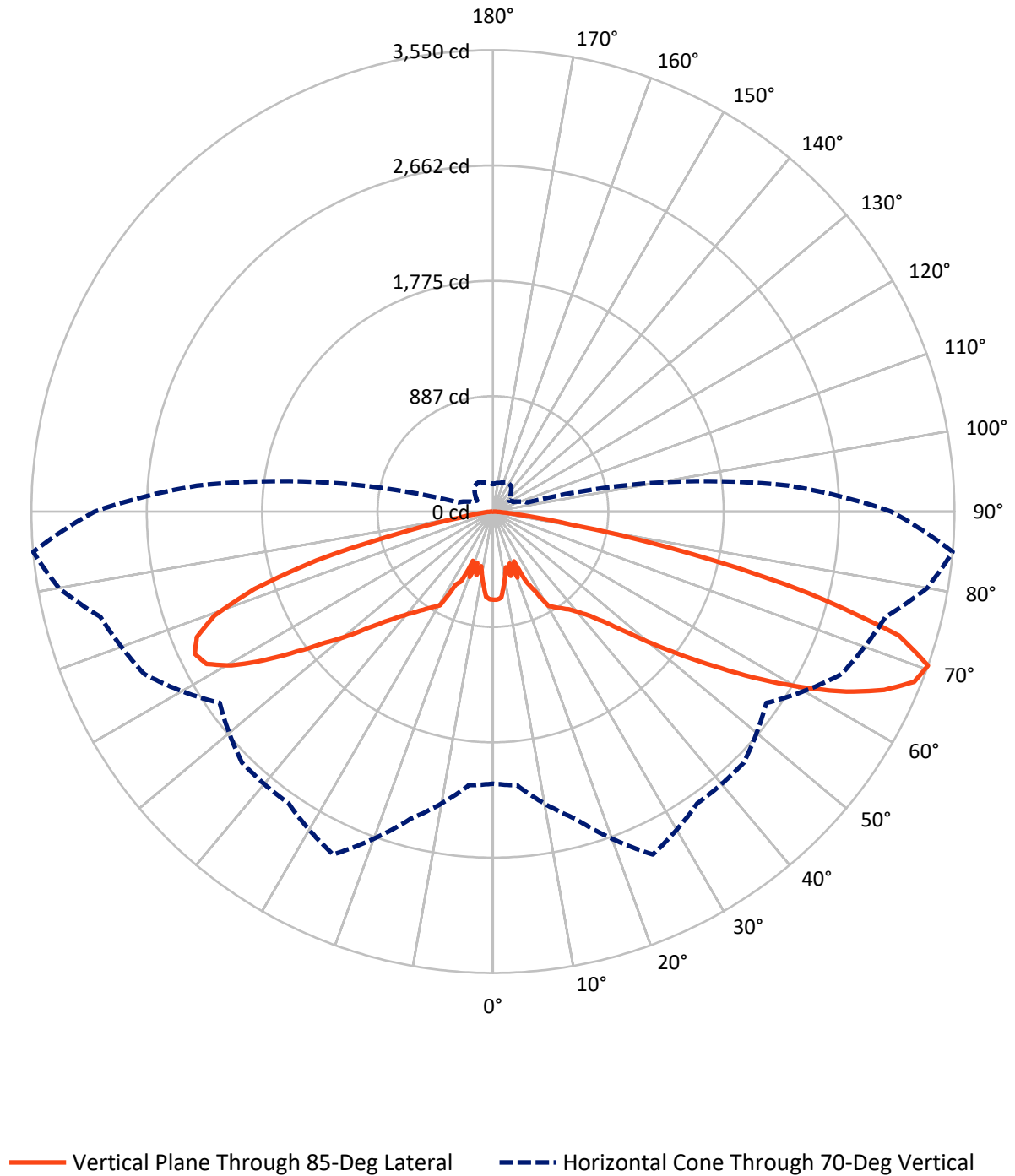


Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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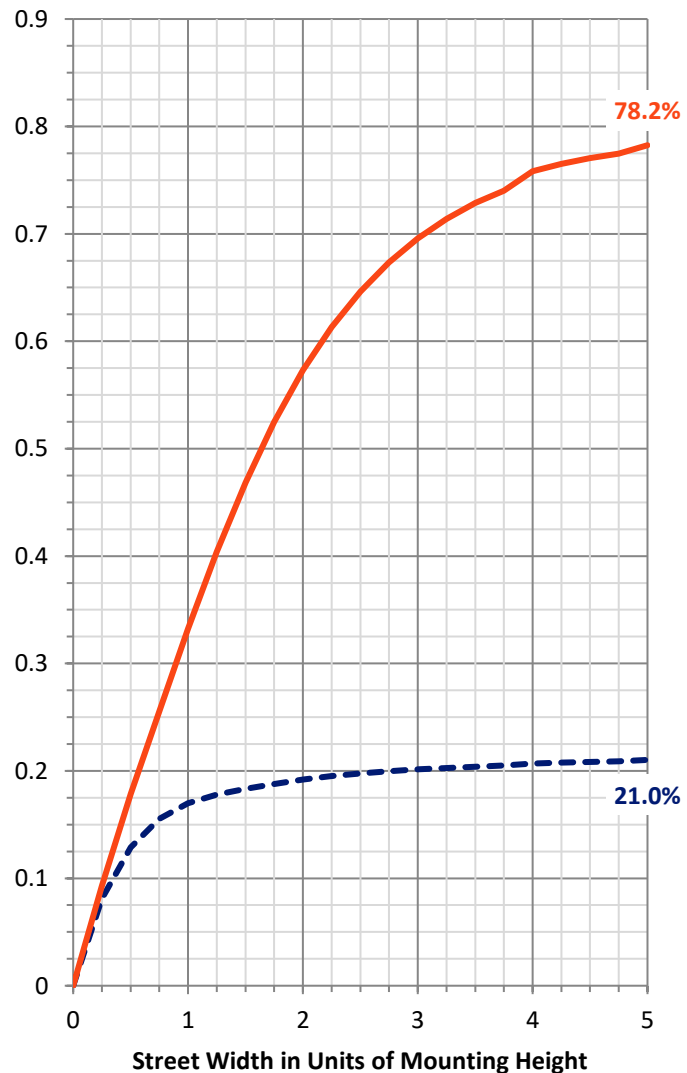
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1253.1	0.0	1253.1
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	4575.0	0.0	4575.0
	% Fixture	78.5	0.0	78.5
Total	Lumens	5828.1	0.0	5828.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.3	1.0
10°-20°	141.8	2.4
20°-30°	248.0	4.3
30°-40°	436.8	7.5
40°-50°	658.9	11.3
50°-60°	1048.1	18.0
60°-70°	1536.9	26.4
70°-80°	1441.2	24.7
80°-90°	260.2	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°	5828.1	100.0
0°-180°	5828.1	100.0



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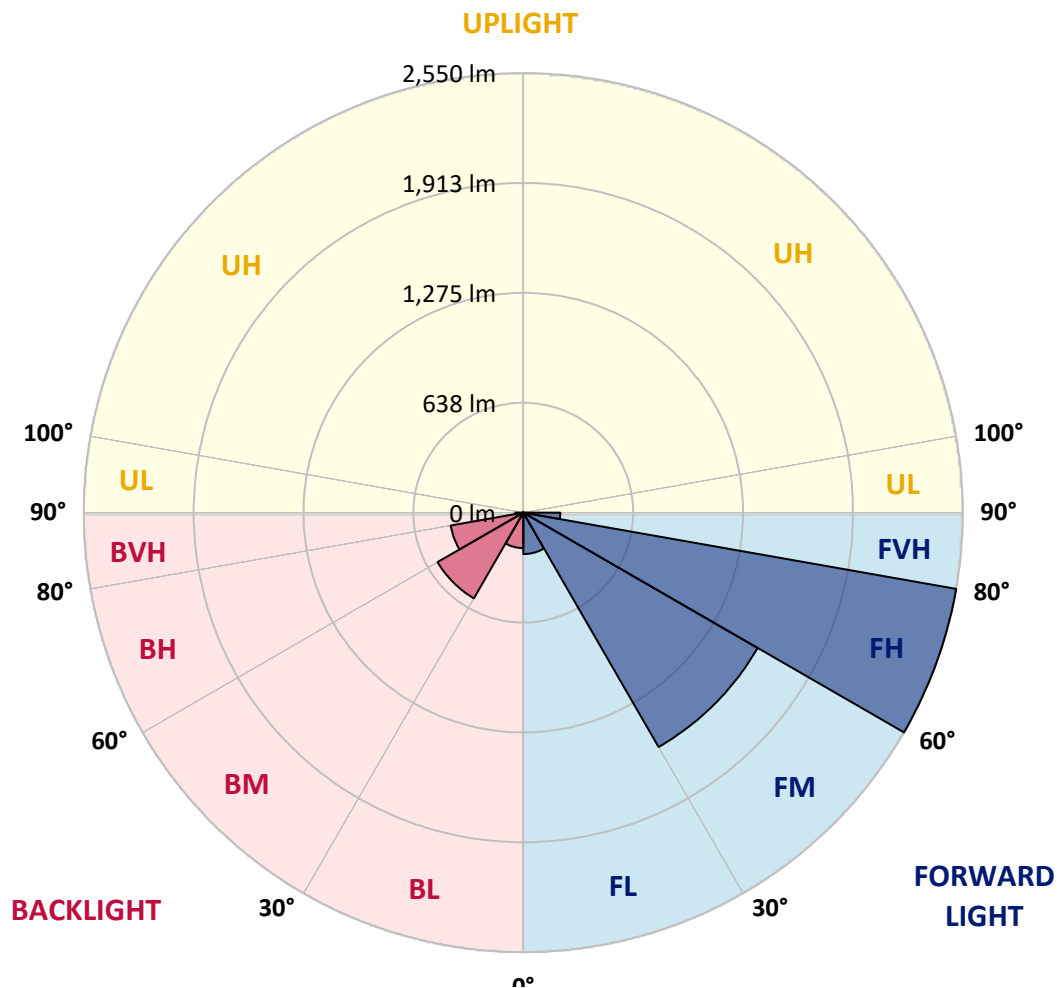
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	240.3	4.1			
FM	(30°-60°)	1570.1	26.9			
FH	(60°-80°)	2550.3	43.8			G2/5000
FVH	(80°-90°)	214.3	3.7			G2/225
BL	(0°-30°)	205.8	3.5	B1/500		
BM	(30°-60°)	573.6	9.8	B1/1000		
BH	(60°-80°)	427.7	7.3	B1/500		G1/500
BVH	(80°-90°)	46.0	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°	677.7	677.7	677.7	677.7	677.7	677.7	677.7	677.7	677.7	677.7	677.7
2.5°	615.3	641.1	654.0	667.0	671.3	675.6	675.6	673.4	673.4	673.4	677.7
5°	626.1	623.9	623.9	623.9	621.8	619.6	617.5	613.2	611.0	606.7	604.6
7.5°	574.4	617.5	619.6	621.8	621.8	619.6	623.9	628.2	623.9	617.5	608.9
10°	682.0	679.9	675.6	671.3	664.8	658.4	608.9	557.2	561.5	565.8	525.0
12.5°	591.7	632.5	649.7	667.0	669.1	669.1	634.7	598.1	550.8	503.4	484.1
15°	722.9	718.6	710.0	701.4	643.3	583.0	548.6	514.2	514.2	514.2	456.1
17.5°	608.9	606.7	645.4	684.2	662.7	641.1	591.7	542.2	469.0	393.7	441.1
20°	746.6	746.6	735.8	725.0	626.1	525.0	531.4	535.7	537.9	537.9	516.4
22.5°	626.1	621.8	626.1	628.2	628.2	628.2	537.9	447.5	497.0	544.3	494.8
25°	746.6	748.7	746.6	744.4	654.0	561.5	576.6	591.7	522.8	451.8	499.1
27.5°	651.9	649.7	639.0	628.2	630.4	632.5	585.2	535.7	563.7	591.7	542.2
30°	798.2	800.3	793.9	785.3	694.9	604.6	600.3	593.8	574.4	555.1	572.3
32.5°	963.9	963.9	897.2	830.5	774.5	716.4	669.1	621.8	641.1	660.5	639.0
35°	1052.1	1047.8	1026.3	1002.6	899.3	793.9	729.4	662.7	669.1	673.4	673.4
37.5°	1209.1	1207.0	1176.9	1146.7	1006.9	864.9	781.0	694.9	707.8	718.6	703.5
40°	1404.9	1404.9	1381.2	1355.4	1176.9	996.1	877.8	759.5	757.3	753.0	735.8
42.5°	1594.2	1600.7	1585.6	1570.6	1361.9	1153.2	998.3	843.4	824.0	804.7	787.4
45°	1719.0	1727.6	1740.5	1753.5	1546.9	1340.4	1159.6	976.8	940.2	901.5	871.3
47.5°	1846.0	1833.1	1850.3	1867.5	1691.1	1514.6	1316.7	1118.8	1058.5	998.3	966.0
50°	1964.3	1960.0	1966.4	1972.9	1828.8	1684.6	1480.2	1275.8	1202.7	1127.4	1090.8
52.5°	2119.2	2104.1	2095.5	2086.9	1964.3	1841.7	1648.0	1452.2	1366.2	1278.0	1234.9
55°	2267.7	2261.2	2248.3	2233.2	2127.8	2022.4	1818.0	1613.6	1523.2	1432.9	1383.4
57.5°	2420.4	2416.1	2414.0	2411.8	2319.3	2226.8	2018.1	1807.2	1704.0	1598.5	1557.7
60°	2564.6	2566.7	2583.9	2599.0	2528.0	2457.0	2246.1	2035.3	1904.1	1770.7	1729.8
62.5°	2650.6	2657.1	2700.1	2741.0	2702.3	2663.5	2446.2	2226.8	2089.1	1949.2	1921.3
65°	2540.9	2573.2	2697.9	2822.7	2822.7	2822.7	2624.8	2424.7	2304.2	2183.7	2160.1
67.5°	2295.6	2327.9	2506.5	2682.9	2775.4	2867.9	2738.8	2609.7	2528.0	2444.1	2414.0
70°	2093.4	2112.7	2280.6	2446.2	2678.6	2910.9	2827.0	2741.0	2736.7	2730.2	2648.5
72.5°	1923.4	1966.4	2104.1	2239.7	2560.3	2880.8	2878.7	2876.5	2964.7	3052.9	2895.9
75°	1538.3	1534.0	1663.1	1792.2	2153.6	2512.9	2715.2	2915.2	3169.1	3420.8	3179.9
77.5°	686.3	733.7	856.3	978.9	1303.8	1626.5	2015.9	2405.3	2964.7	3522.0	3276.7
80°	195.8	206.5	241.0	273.2	426.0	576.6	985.4	1392.0	2095.5	2796.9	2631.3
82.5°	103.3	107.6	129.1	148.5	191.5	232.4	387.3	540.0	1144.6	1747.0	1596.4
85°	49.5	45.2	58.1	68.8	92.5	116.2	178.6	241.0	443.2	645.4	557.2
87.5°	10.8	10.8	12.9	12.9	19.4	25.8	38.7	51.6	49.5	45.2	53.8
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°	677.7	677.7	677.7	677.7	677.7	677.7	677.7	677.7	677.7	677.7	677.7
2.5°	679.9	682.0	684.2	682.0	679.9	677.7	677.7	675.6	675.6	673.4	669.1
5°	602.4	632.5	662.7	664.8	667.0	667.0	664.8	662.7	658.4	656.2	651.9
7.5°	600.3	589.5	578.7	580.9	583.0	585.2	585.2	578.7	576.6	559.4	542.2
10°	481.9	471.2	460.4	466.9	473.3	497.0	509.9	505.6	501.3	471.2	438.9
12.5°	464.7	460.4	456.1	423.8	391.6	419.5	438.9	436.7	430.3	402.3	374.4
15°	398.0	400.2	400.2	436.7	473.3	497.0	514.2	509.9	505.6	471.2	436.7
17.5°	486.2	462.6	436.7	430.3	423.8	434.6	419.5	395.9	410.9	406.6	402.3
20°	492.7	434.6	374.4	434.6	494.8	509.9	542.2	540.0	533.6	503.4	473.3
22.5°	445.4	479.8	512.1	479.8	447.5	426.0	415.2	410.9	408.8	417.4	423.8
25°	546.5	481.9	415.2	494.8	572.3	589.5	598.1	591.7	589.5	550.8	512.1
27.5°	490.5	525.0	559.4	585.2	611.0	632.5	697.1	634.7	632.5	596.0	557.2
30°	587.4	623.9	660.5	727.2	793.9	830.5	843.4	839.1	828.3	770.2	712.1
32.5°	617.5	690.6	761.6	791.7	819.7	858.4	877.8	875.7	864.9	796.0	725.0
35°	673.4	727.2	781.0	821.9	860.6	897.2	914.4	920.8	907.9	821.9	733.7
37.5°	688.5	757.3	826.2	869.2	912.2	940.2	955.3	974.6	959.6	856.3	750.9
40°	718.6	800.3	880.0	923.0	963.9	989.7	1015.5	1039.2	1019.8	895.0	768.1
42.5°	768.1	852.0	933.7	983.2	1030.6	1067.1	1097.3	1129.5	1092.9	931.6	768.1
45°	841.2	918.7	996.1	1062.8	1127.4	1172.6	1215.6	1260.8	1187.6	978.9	768.1
47.5°	933.7	1009.0	1082.2	1187.6	1293.0	1333.9	1385.5	1428.6	1310.2	1039.2	768.1
50°	1052.1	1136.0	1219.9	1359.7	1497.4	1536.2	1600.7	1633.0	1473.8	1131.7	787.4
52.5°	1189.8	1282.3	1372.6	1536.2	1699.7	1764.2	1850.3	1871.8	1639.4	1224.2	806.8
55°	1333.9	1458.7	1581.3	1762.1	1940.6	2003.0	2125.7	2142.9	1852.4	1338.2	821.9
57.5°	1516.8	1663.1	1807.2	1983.7	2157.9	2246.1	2437.6	2444.1	2099.8	1478.1	854.1
60°	1688.9	1871.8	2052.5	2220.3	2388.1	2525.8	2747.4	2749.6	2332.2	1583.5	832.6
62.5°	1893.3	2110.6	2325.7	2469.9	2614.0	2784.0	3050.8	3012.1	2495.7	1596.4	697.1
65°	2134.3	2358.0	2581.8	2704.4	2824.9	3018.5	3306.8	3158.4	2540.9	1523.2	503.4
67.5°	2381.7	2590.4	2799.1	2895.9	2992.7	3238.0	3494.0	3175.6	2474.2	1413.5	350.7
70°	2566.7	2762.5	2958.3	3042.2	3126.1	3390.7	3549.9	3063.7	2287.0	1280.1	273.2
72.5°	2736.7	2921.7	3104.6	3147.6	3188.5	3324.0	3265.9	2700.1	1927.7	1077.9	225.9
75°	2938.9	3057.2	3173.4	3096.0	3018.5	2835.6	2506.5	1968.6	1411.4	802.5	193.6
77.5°	3031.4	3003.5	2973.3	2708.7	2444.1	1953.5	1557.7	1138.1	716.4	441.1	165.7
80°	2465.6	2353.7	2239.7	1796.5	1353.3	925.1	606.7	385.1	262.5	197.9	133.4
82.5°	1443.6	1183.3	923.0	677.7	432.4	303.4	197.9	157.1	122.6	116.2	107.6
85°	466.9	413.1	359.3	284.0	208.7	129.1	75.3	68.8	64.5	71.0	75.3
87.5°	62.4	62.4	60.2	45.2	28.0	15.1	8.6	6.5	6.5	8.6	8.6
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°	677.7	677.7	677.7	677.7	677.7	677.7	677.7	677.7	677.7	677.7	677.7
2.5°	669.1	667.0	664.8	662.7	660.5	656.2	639.0	621.8	615.3	606.7	600.3
5°	630.4	608.9	593.8	578.7	572.3	563.7	565.8	568.0	570.1	570.1	570.1
7.5°	546.5	550.8	552.9	552.9	559.4	563.7	568.0	570.1	561.5	552.9	542.2
10°	434.6	428.1	436.7	443.2	454.0	462.6	490.5	518.5	544.3	570.1	580.9
12.5°	395.9	417.4	400.2	383.0	417.4	449.7	488.4	527.1	550.8	572.3	552.9
15°	402.3	365.8	370.1	372.2	415.2	456.1	432.4	408.8	475.5	540.0	559.4
17.5°	395.9	389.4	413.1	434.6	393.7	352.8	410.9	466.9	497.0	527.1	518.5
20°	428.1	380.8	380.8	380.8	417.4	454.0	426.0	398.0	430.3	462.6	516.4
22.5°	443.2	460.4	426.0	389.4	413.1	436.7	436.7	434.6	471.2	505.6	497.0
25°	447.5	383.0	413.1	441.1	426.0	408.8	428.1	445.4	456.1	466.9	514.2
27.5°	512.1	466.9	432.4	395.9	423.8	451.8	445.4	438.9	447.5	456.1	466.9
30°	606.7	501.3	462.6	421.7	406.6	389.4	408.8	426.0	458.3	490.5	533.6
32.5°	634.7	542.2	479.8	415.2	413.1	408.8	415.2	419.5	456.1	490.5	550.8
35°	630.4	525.0	464.7	402.3	389.4	376.5	387.3	395.9	449.7	503.4	561.5
37.5°	626.1	499.1	436.7	374.4	365.8	355.0	365.8	376.5	417.4	458.3	512.1
40°	619.6	469.0	408.8	346.4	335.6	324.9	335.6	344.2	376.5	408.8	451.8
42.5°	604.6	438.9	378.7	316.3	307.7	296.9	305.5	314.1	342.1	370.1	395.9
45°	587.4	404.5	346.4	288.3	279.7	271.1	277.5	281.8	307.7	331.3	344.2
47.5°	568.0	367.9	314.1	260.3	251.7	243.1	249.6	253.9	273.2	292.6	296.9
50°	563.7	337.8	288.3	236.7	230.2	221.6	225.9	230.2	245.3	258.2	258.2
52.5°	555.1	301.2	260.3	217.3	213.0	206.5	208.7	210.8	221.6	232.4	230.2
55°	548.6	275.4	238.8	202.2	197.9	191.5	193.6	195.8	206.5	215.1	213.0
57.5°	555.1	253.9	221.6	187.2	182.9	178.6	182.9	187.2	197.9	208.7	208.7
60°	533.6	232.4	202.2	172.1	170.0	165.7	176.4	185.0	202.2	217.3	221.6
62.5°	456.1	213.0	187.2	161.4	163.5	163.5	182.9	200.1	223.8	245.3	249.6
65°	350.7	197.9	176.4	152.8	163.5	174.3	200.1	225.9	247.4	268.9	262.5
67.5°	268.9	187.2	170.0	150.6	174.3	195.8	219.5	243.1	253.9	262.5	251.7
70°	225.9	176.4	163.5	148.5	172.1	195.8	219.5	243.1	247.4	251.7	241.0
72.5°	197.9	167.8	154.9	142.0	161.4	180.7	208.7	234.5	238.8	241.0	230.2
75°	176.4	157.1	142.0	126.9	146.3	163.5	191.5	219.5	223.8	225.9	217.3
77.5°	154.9	144.1	126.9	109.7	129.1	148.5	174.3	200.1	206.5	213.0	202.2
80°	129.1	122.6	109.7	96.8	118.3	137.7	161.4	185.0	191.5	197.9	187.2
82.5°	103.3	99.0	90.4	81.8	103.3	124.8	148.5	170.0	176.4	180.7	167.8
85°	75.3	75.3	71.0	66.7	88.2	107.6	122.6	137.7	135.5	133.4	124.8
87.5°	10.8	10.8	15.1	19.4	25.8	30.1	38.7	45.2	47.3	47.3	36.6
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°	677.7	677.7	677.7	677.7
2.5°	593.8	593.8	591.7	596.0
5°	570.1	572.3	572.3	574.4
7.5°	531.4	520.7	507.7	509.9
10°	591.7	593.8	596.0	596.0
12.5°	531.4	522.8	512.1	514.2
15°	576.6	583.0	589.5	591.7
17.5°	507.7	505.6	503.4	501.3
20°	568.0	578.7	589.5	589.5
22.5°	488.4	488.4	488.4	490.5
25°	561.5	574.4	585.2	585.2
27.5°	475.5	505.6	535.7	559.4
30°	574.4	580.9	587.4	589.5
32.5°	608.9	641.1	671.3	677.7
35°	617.5	632.5	645.4	651.9
37.5°	565.8	578.7	591.7	600.3
40°	492.7	503.4	514.2	520.7
42.5°	419.5	421.7	423.8	434.6
45°	357.1	346.4	335.6	333.5
47.5°	299.1	284.0	268.9	266.8
50°	256.0	243.1	230.2	230.2
52.5°	225.9	217.3	208.7	208.7
55°	210.8	206.5	200.1	200.1
57.5°	208.7	206.5	204.4	204.4
60°	223.8	225.9	225.9	225.9
62.5°	251.7	253.9	253.9	253.9
65°	253.9	249.6	245.3	245.3
67.5°	241.0	234.5	228.1	223.8
70°	228.1	223.8	217.3	210.8
72.5°	217.3	213.0	206.5	200.1
75°	206.5	200.1	191.5	187.2
77.5°	191.5	187.2	180.7	176.4
80°	174.3	170.0	163.5	154.9
82.5°	154.9	157.1	157.1	135.5
85°	114.0	107.6	99.0	81.8
87.5°	23.7	21.5	17.2	15.1
90°	0.0	0.0	0.0	0.0



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