

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: P560835

Luminaire Tested: **SDL-PA1-60-830-U-T4W**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560835
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-PA1-60-830-U-T4W
Description: Springdale
(1) 80 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5924.6 lumens
Efficiency: N/A
Efficacy: 94.9 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): 62.4
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

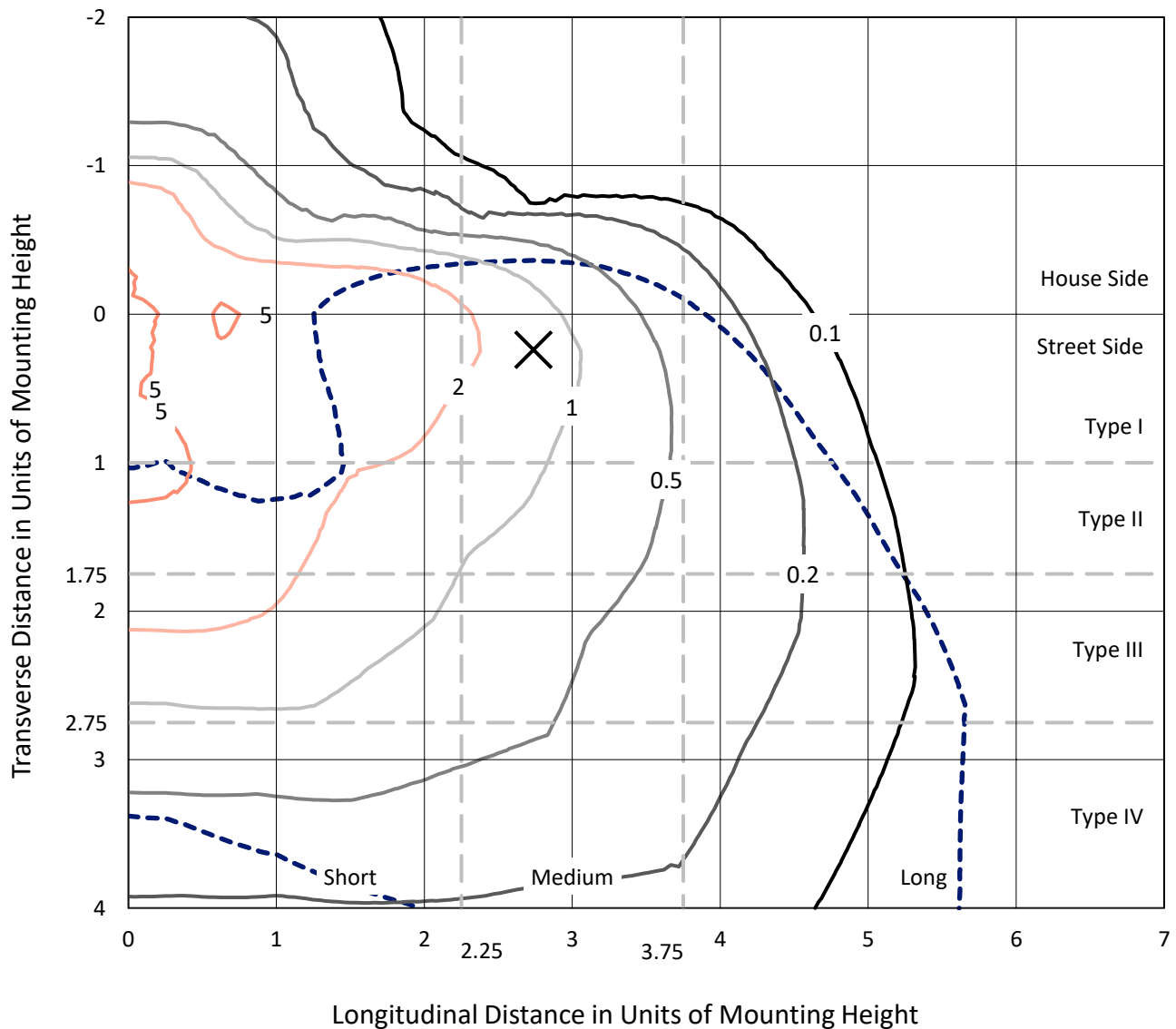


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

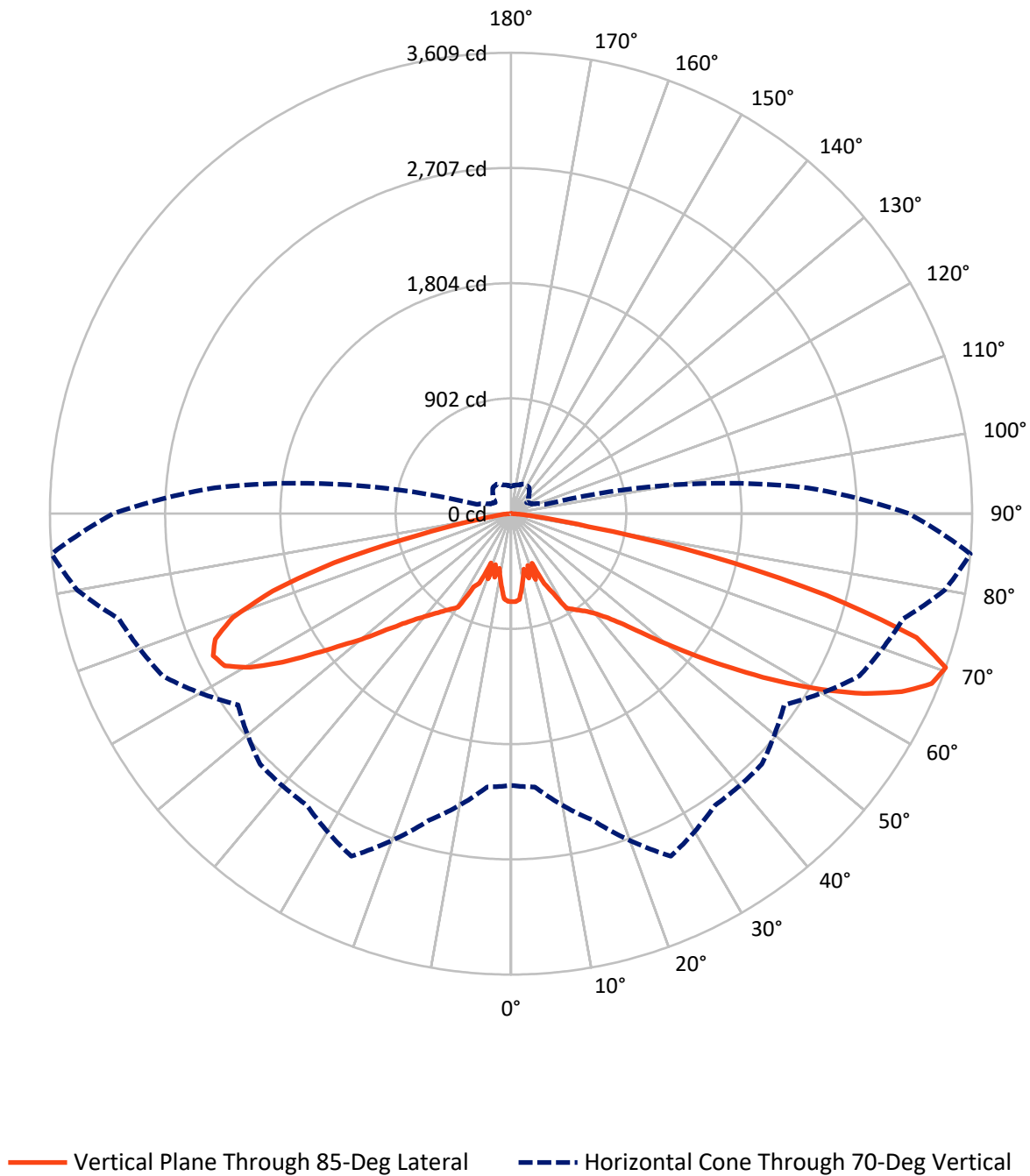


Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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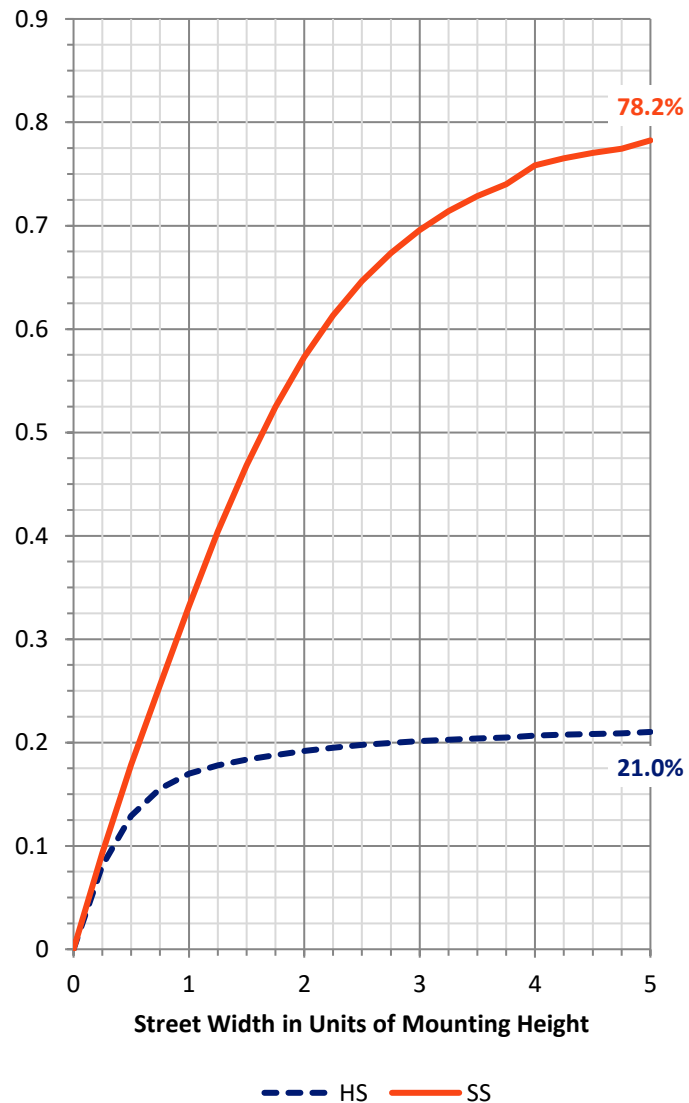
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1273.8	0.0	1273.8
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	4650.8	0.0	4650.8
	% Fixture	78.5	0.0	78.5
Total	Lumens	5924.6	0.0	5924.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.2	1.0
10°-20°	144.2	2.4
20°-30°	252.1	4.3
30°-40°	444.0	7.5
40°-50°	669.8	11.3
50°-60°	1065.4	18.0
60°-70°	1562.3	26.4
70°-80°	1465.0	24.7
80°-90°	264.5	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°	5924.6	100.0
0°-180°	5924.6	100.0

Coefficient of Utilization



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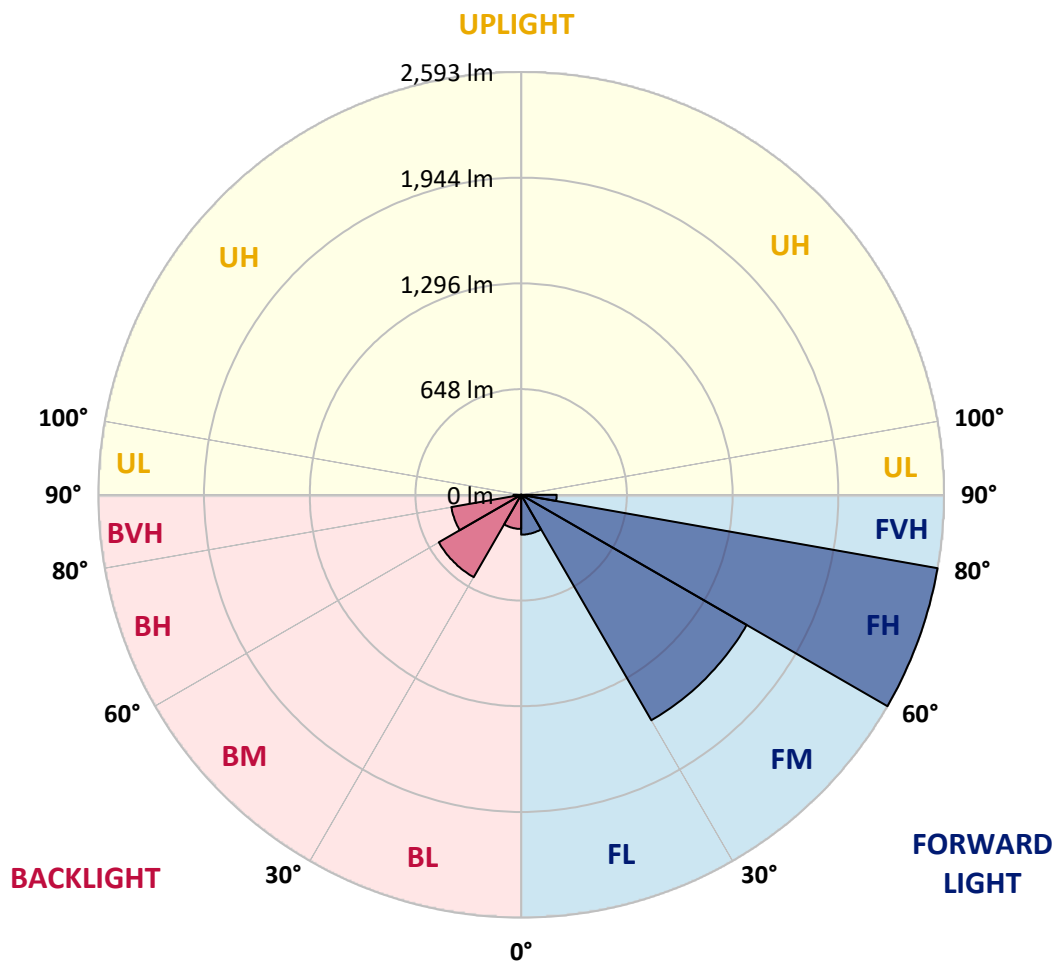
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	244.3	4.1			
FM	(30°-60°)	1596.1	26.9			
FH	(60°-80°)	2592.5	43.8			G2/5000
FVH	(80°-90°)	217.8	3.7			G2/225
BL	(0°-30°)	209.2	3.5	B1/500		
BM	(30°-60°)	583.1	9.8	B1/1000		
BH	(60°-80°)	434.8	7.3	B1/500		G1/500
BVH	(80°-90°)	46.7	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°	688.9	688.9	688.9	688.9	688.9	688.9	688.9	688.9	688.9	688.9	688.9
2.5°	625.5	651.8	664.9	678.0	682.4	686.7	686.7	684.6	684.6	684.6	688.9
5°	636.4	634.3	634.3	634.3	632.1	629.9	627.7	623.3	621.1	616.8	614.6
7.5°	584.0	627.7	629.9	632.1	632.1	629.9	634.3	638.6	634.3	627.7	618.9
10°	693.3	691.1	686.7	682.4	675.8	669.2	618.9	566.5	570.8	575.2	533.6
12.5°	601.4	643.0	660.5	678.0	680.2	680.2	645.2	608.0	559.9	511.8	492.1
15°	734.9	730.5	721.7	713.0	653.9	592.7	557.7	522.7	522.7	522.7	463.7
17.5°	618.9	616.8	656.1	695.5	673.6	651.8	601.4	551.1	476.8	400.2	448.4
20°	758.9	758.9	748.0	737.0	636.4	533.6	540.2	544.6	546.8	546.8	524.9
22.5°	636.4	632.1	636.4	638.6	638.6	638.6	546.8	454.9	505.2	553.3	503.0
25°	758.9	761.1	758.9	756.7	664.9	570.8	586.1	601.4	531.5	459.3	507.4
27.5°	662.7	660.5	649.6	638.6	640.8	643.0	594.9	544.6	573.0	601.4	551.1
30°	811.4	813.6	807.0	798.3	706.4	614.6	610.2	603.6	584.0	564.3	581.8
32.5°	979.8	979.8	912.0	844.2	787.4	728.3	680.2	632.1	651.8	671.4	649.6
35°	1069.5	1065.1	1043.2	1019.2	914.2	807.0	741.4	673.6	680.2	684.6	684.6
37.5°	1229.1	1227.0	1196.3	1165.7	1023.6	879.2	793.9	706.4	719.6	730.5	715.2
40°	1428.2	1428.2	1404.1	1377.9	1196.3	1012.6	892.3	772.0	769.9	765.5	748.0
42.5°	1620.6	1627.2	1611.9	1596.6	1384.4	1172.3	1014.8	857.3	837.7	818.0	800.5
45°	1747.5	1756.2	1769.4	1782.5	1572.5	1362.6	1178.8	992.9	955.8	916.4	885.8
47.5°	1876.5	1863.4	1880.9	1898.4	1719.0	1539.7	1338.5	1137.3	1076.0	1014.8	982.0
50°	1996.8	1992.4	1999.0	2005.6	1859.0	1712.5	1504.7	1296.9	1222.6	1146.0	1108.9
52.5°	2154.3	2139.0	2130.2	2121.5	1996.8	1872.1	1675.3	1476.3	1388.8	1299.1	1255.4
55°	2305.2	2298.6	2285.5	2270.2	2163.0	2055.9	1848.1	1640.3	1548.5	1456.6	1406.3
57.5°	2460.5	2456.1	2453.9	2451.7	2357.7	2263.6	2051.5	1837.2	1732.2	1625.0	1583.5
60°	2607.0	2609.2	2626.7	2642.0	2569.8	2497.7	2283.3	2069.0	1935.6	1800.0	1758.4
62.5°	2694.5	2701.1	2744.8	2786.3	2747.0	2707.6	2486.7	2263.6	2123.7	1981.5	1953.1
65°	2582.9	2615.8	2742.6	2869.5	2869.5	2869.5	2668.2	2464.8	2342.4	2219.9	2195.8
67.5°	2333.6	2366.4	2548.0	2727.3	2821.3	2915.4	2784.2	2652.9	2569.8	2484.5	2453.9
70°	2128.0	2147.7	2318.3	2486.7	2722.9	2959.1	2873.8	2786.3	2782.0	2775.4	2692.3
72.5°	1955.3	1999.0	2139.0	2276.8	2602.6	2928.5	2926.3	2924.1	3013.8	3103.5	2943.8
75°	1563.8	1559.4	1690.6	1821.8	2189.3	2554.5	2760.1	2963.5	3221.6	3477.5	3232.5
77.5°	697.7	745.8	870.5	995.1	1325.4	1653.4	2049.3	2445.2	3013.8	3580.3	3330.9
80°	199.0	210.0	245.0	277.8	433.0	586.1	1001.7	1415.0	2130.2	2843.2	2674.8
82.5°	105.0	109.4	131.2	150.9	194.7	236.2	393.7	549.0	1163.5	1775.9	1622.8
85°	50.3	45.9	59.1	70.0	94.0	118.1	181.5	245.0	450.5	656.1	566.5
87.5°	10.9	10.9	13.1	13.1	19.7	26.2	39.4	52.5	50.3	45.9	54.7
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°	688.9	688.9	688.9	688.9	688.9	688.9	688.9	688.9	688.9	688.9	688.9
2.5°	691.1	693.3	695.5	693.3	691.1	688.9	688.9	686.7	686.7	684.6	680.2
5°	612.4	643.0	673.6	675.8	678.0	678.0	675.8	673.6	669.2	667.1	662.7
7.5°	610.2	599.3	588.3	590.5	592.7	594.9	594.9	588.3	586.1	568.6	551.1
10°	489.9	479.0	468.0	474.6	481.2	505.2	518.3	514.0	509.6	479.0	446.2
12.5°	472.4	468.0	463.7	430.9	398.0	426.5	446.2	444.0	437.4	409.0	380.6
15°	404.6	406.8	406.8	444.0	481.2	505.2	522.7	518.3	514.0	479.0	444.0
17.5°	494.3	470.2	444.0	437.4	430.9	441.8	426.5	402.4	417.7	413.4	409.0
20°	500.8	441.8	380.6	441.8	503.0	518.3	551.1	549.0	542.4	511.8	481.2
22.5°	452.7	487.7	520.5	487.7	454.9	433.0	422.1	417.7	415.5	424.3	430.9
25°	555.5	489.9	422.1	503.0	581.8	599.3	608.0	601.4	599.3	559.9	520.5
27.5°	498.7	533.6	568.6	594.9	621.1	643.0	708.6	645.2	643.0	605.8	566.5
30°	597.1	634.3	671.4	739.2	807.0	844.2	857.3	853.0	842.0	783.0	723.9
32.5°	627.7	702.1	774.2	804.8	833.3	872.6	892.3	890.1	879.2	809.2	737.0
35°	684.6	739.2	793.9	835.5	874.8	912.0	929.5	936.1	923.0	835.5	745.8
37.5°	699.9	769.9	839.8	883.6	927.3	955.8	971.1	990.7	975.4	870.5	763.3
40°	730.5	813.6	894.5	938.3	979.8	1006.1	1032.3	1056.4	1036.7	909.8	780.8
42.5°	780.8	866.1	949.2	999.5	1047.6	1084.8	1115.4	1148.2	1111.0	947.0	780.8
45°	855.2	933.9	1012.6	1080.4	1146.0	1192.0	1235.7	1281.6	1207.3	995.1	780.8
47.5°	949.2	1025.7	1100.1	1207.3	1314.4	1356.0	1408.5	1452.2	1331.9	1056.4	780.8
50°	1069.5	1154.8	1240.1	1382.2	1522.2	1561.6	1627.2	1660.0	1498.2	1150.4	800.5
52.5°	1209.5	1303.5	1395.4	1561.6	1727.8	1793.4	1880.9	1902.8	1666.6	1244.5	820.2
55°	1356.0	1482.8	1607.5	1791.2	1972.8	2036.2	2160.8	2178.3	1883.1	1360.4	835.5
57.5°	1541.9	1690.6	1837.2	2016.5	2193.6	2283.3	2478.0	2484.5	2134.6	1502.5	868.3
60°	1716.9	1902.8	2086.5	2257.1	2427.7	2567.6	2792.9	2795.1	2370.8	1609.7	846.4
62.5°	1924.6	2145.5	2364.2	2510.8	2657.3	2830.1	3101.3	3061.9	2537.0	1622.8	708.6
65°	2169.6	2397.0	2624.5	2749.2	2871.6	3068.5	3361.6	3210.6	2582.9	1548.5	511.8
67.5°	2421.1	2633.3	2845.4	2943.8	3042.2	3291.6	3551.8	3228.1	2515.1	1436.9	356.5
70°	2609.2	2808.2	3007.2	3092.5	3177.8	3446.8	3608.7	3114.4	2324.9	1301.3	277.8
72.5°	2782.0	2970.1	3156.0	3199.7	3241.3	3379.0	3320.0	2744.8	1959.6	1095.7	229.6
75°	2987.6	3107.8	3226.0	3147.2	3068.5	2882.6	2548.0	2001.2	1434.7	815.8	196.8
77.5°	3081.6	3053.2	3022.6	2753.5	2484.5	1985.9	1583.5	1157.0	728.3	448.4	168.4
80°	2506.4	2392.7	2276.8	1826.2	1375.7	940.4	616.8	391.5	266.8	201.2	135.6
82.5°	1467.5	1202.9	938.3	688.9	439.6	308.4	201.2	159.7	124.7	118.1	109.4
85°	474.6	419.9	365.2	288.7	212.1	131.2	76.5	70.0	65.6	72.2	76.5
87.5°	63.4	63.4	61.2	45.9	28.4	15.3	8.7	6.6	6.6	8.7	8.7
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°	688.9	688.9	688.9	688.9	688.9	688.9	688.9	688.9	688.9	688.9	688.9
2.5°	680.2	678.0	675.8	673.6	671.4	667.1	649.6	632.1	625.5	616.8	610.2
5°	640.8	618.9	603.6	588.3	581.8	573.0	575.2	577.4	579.6	579.6	579.6
7.5°	555.5	559.9	562.1	562.1	568.6	573.0	577.4	579.6	570.8	562.1	551.1
10°	441.8	435.2	444.0	450.5	461.5	470.2	498.7	527.1	553.3	579.6	590.5
12.5°	402.4	424.3	406.8	389.3	424.3	457.1	496.5	535.8	559.9	581.8	562.1
15°	409.0	371.8	376.2	378.4	422.1	463.7	439.6	415.5	483.3	549.0	568.6
17.5°	402.4	395.9	419.9	441.8	400.2	358.7	417.7	474.6	505.2	535.8	527.1
20°	435.2	387.1	387.1	387.1	424.3	461.5	433.0	404.6	437.4	470.2	524.9
22.5°	450.5	468.0	433.0	395.9	419.9	444.0	444.0	441.8	479.0	514.0	505.2
25°	454.9	389.3	419.9	448.4	433.0	415.5	435.2	452.7	463.7	474.6	522.7
27.5°	520.5	474.6	439.6	402.4	430.9	459.3	452.7	446.2	454.9	463.7	474.6
30°	616.8	509.6	470.2	428.7	413.4	395.9	415.5	433.0	465.8	498.7	542.4
32.5°	645.2	551.1	487.7	422.1	419.9	415.5	422.1	426.5	463.7	498.7	559.9
35°	640.8	533.6	472.4	409.0	395.9	382.7	393.7	402.4	457.1	511.8	570.8
37.5°	636.4	507.4	444.0	380.6	371.8	360.9	371.8	382.7	424.3	465.8	520.5
40°	629.9	476.8	415.5	352.1	341.2	330.2	341.2	349.9	382.7	415.5	459.3
42.5°	614.6	446.2	384.9	321.5	312.8	301.8	310.6	319.3	347.7	376.2	402.4
45°	597.1	411.2	352.1	293.1	284.3	275.6	282.1	286.5	312.8	336.8	349.9
47.5°	577.4	374.0	319.3	264.6	255.9	247.1	253.7	258.1	277.8	297.4	301.8
50°	573.0	343.4	293.1	240.6	234.0	225.3	229.6	234.0	249.3	262.5	262.5
52.5°	564.3	306.2	264.6	220.9	216.5	210.0	212.1	214.3	225.3	236.2	234.0
55°	557.7	279.9	242.8	205.6	201.2	194.7	196.8	199.0	210.0	218.7	216.5
57.5°	564.3	258.1	225.3	190.3	185.9	181.5	185.9	190.3	201.2	212.1	212.1
60°	542.4	236.2	205.6	175.0	172.8	168.4	179.3	188.1	205.6	220.9	225.3
62.5°	463.7	216.5	190.3	164.0	166.2	166.2	185.9	203.4	227.5	249.3	253.7
65°	356.5	201.2	179.3	155.3	166.2	177.2	203.4	229.6	251.5	273.4	266.8
67.5°	273.4	190.3	172.8	153.1	177.2	199.0	223.1	247.1	258.1	266.8	255.9
70°	229.6	179.3	166.2	150.9	175.0	199.0	223.1	247.1	251.5	255.9	245.0
72.5°	201.2	170.6	157.5	144.3	164.0	183.7	212.1	238.4	242.8	245.0	234.0
75°	179.3	159.7	144.3	129.0	148.7	166.2	194.7	223.1	227.5	229.6	220.9
77.5°	157.5	146.5	129.0	111.5	131.2	150.9	177.2	203.4	210.0	216.5	205.6
80°	131.2	124.7	111.5	98.4	120.3	140.0	164.0	188.1	194.7	201.2	190.3
82.5°	105.0	100.6	91.9	83.1	105.0	126.9	150.9	172.8	179.3	183.7	170.6
85°	76.5	76.5	72.2	67.8	89.7	109.4	124.7	140.0	137.8	135.6	126.9
87.5°	10.9	10.9	15.3	19.7	26.2	30.6	39.4	45.9	48.1	48.1	37.2
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°	688.9	688.9	688.9	688.9
2.5°	603.6	603.6	601.4	605.8
5°	579.6	581.8	581.8	584.0
7.5°	540.2	529.3	516.2	518.3
10°	601.4	603.6	605.8	605.8
12.5°	540.2	531.5	520.5	522.7
15°	586.1	592.7	599.3	601.4
17.5°	516.2	514.0	511.8	509.6
20°	577.4	588.3	599.3	599.3
22.5°	496.5	496.5	496.5	498.7
25°	570.8	584.0	594.9	594.9
27.5°	483.3	514.0	544.6	568.6
30°	584.0	590.5	597.1	599.3
32.5°	618.9	651.8	682.4	688.9
35°	627.7	643.0	656.1	662.7
37.5°	575.2	588.3	601.4	610.2
40°	500.8	511.8	522.7	529.3
42.5°	426.5	428.7	430.9	441.8
45°	363.1	352.1	341.2	339.0
47.5°	304.0	288.7	273.4	271.2
50°	260.3	247.1	234.0	234.0
52.5°	229.6	220.9	212.1	212.1
55°	214.3	210.0	203.4	203.4
57.5°	212.1	210.0	207.8	207.8
60°	227.5	229.6	229.6	229.6
62.5°	255.9	258.1	258.1	258.1
65°	258.1	253.7	249.3	249.3
67.5°	245.0	238.4	231.8	227.5
70°	231.8	227.5	220.9	214.3
72.5°	220.9	216.5	210.0	203.4
75°	210.0	203.4	194.7	190.3
77.5°	194.7	190.3	183.7	179.3
80°	177.2	172.8	166.2	157.5
82.5°	157.5	159.7	159.7	137.8
85°	115.9	109.4	100.6	83.1
87.5°	24.1	21.9	17.5	15.3
90°	0.0	0.0	0.0	0.0

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