

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: P560655

Luminaire Tested: **SDL-PA1-50-830-U-T3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560655
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-4)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-50-830-U-T3
Description: Springdale
(1) 80 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5092.7 lumens
Efficiency: N/A
Efficacy: 97.2 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

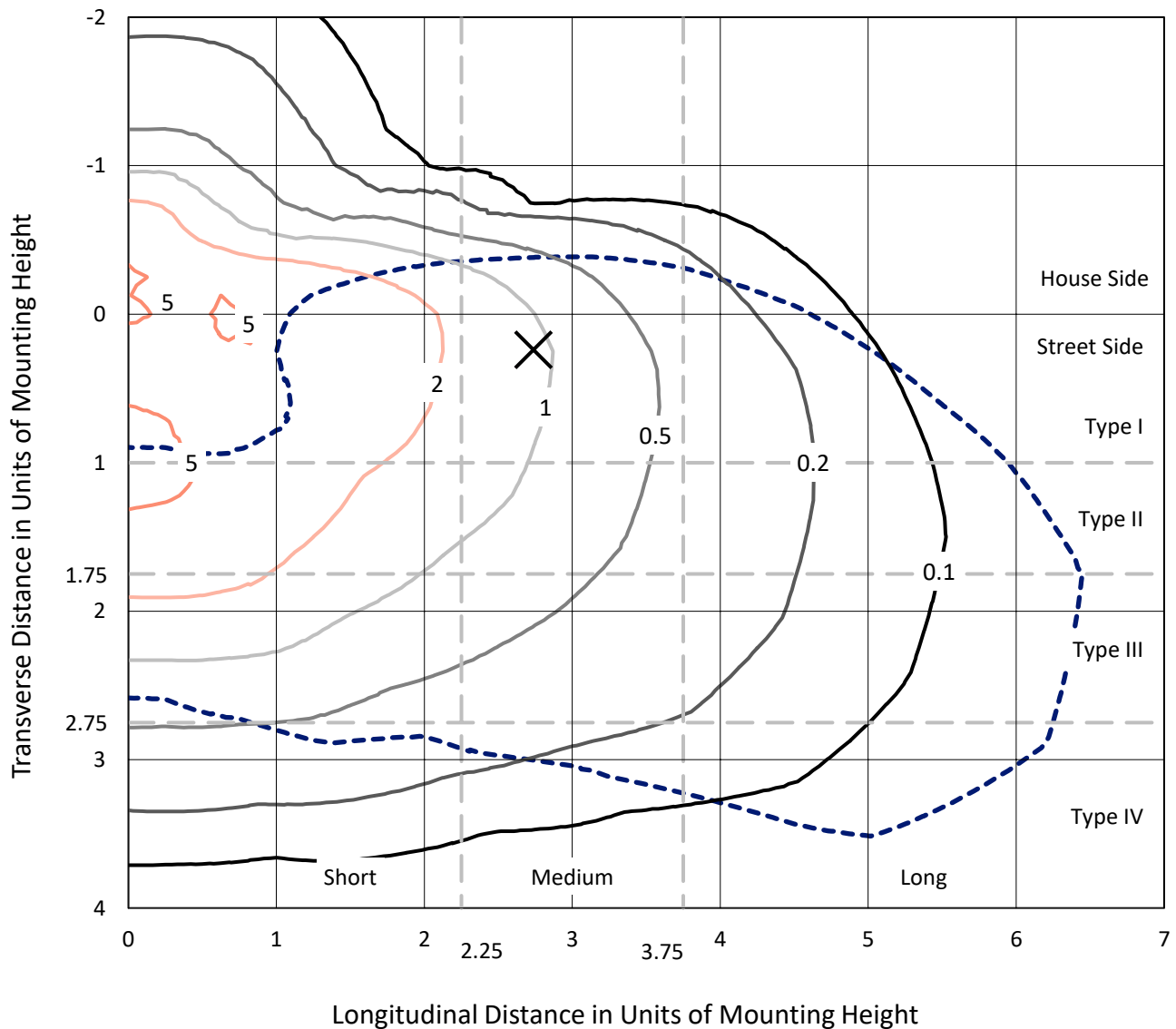


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

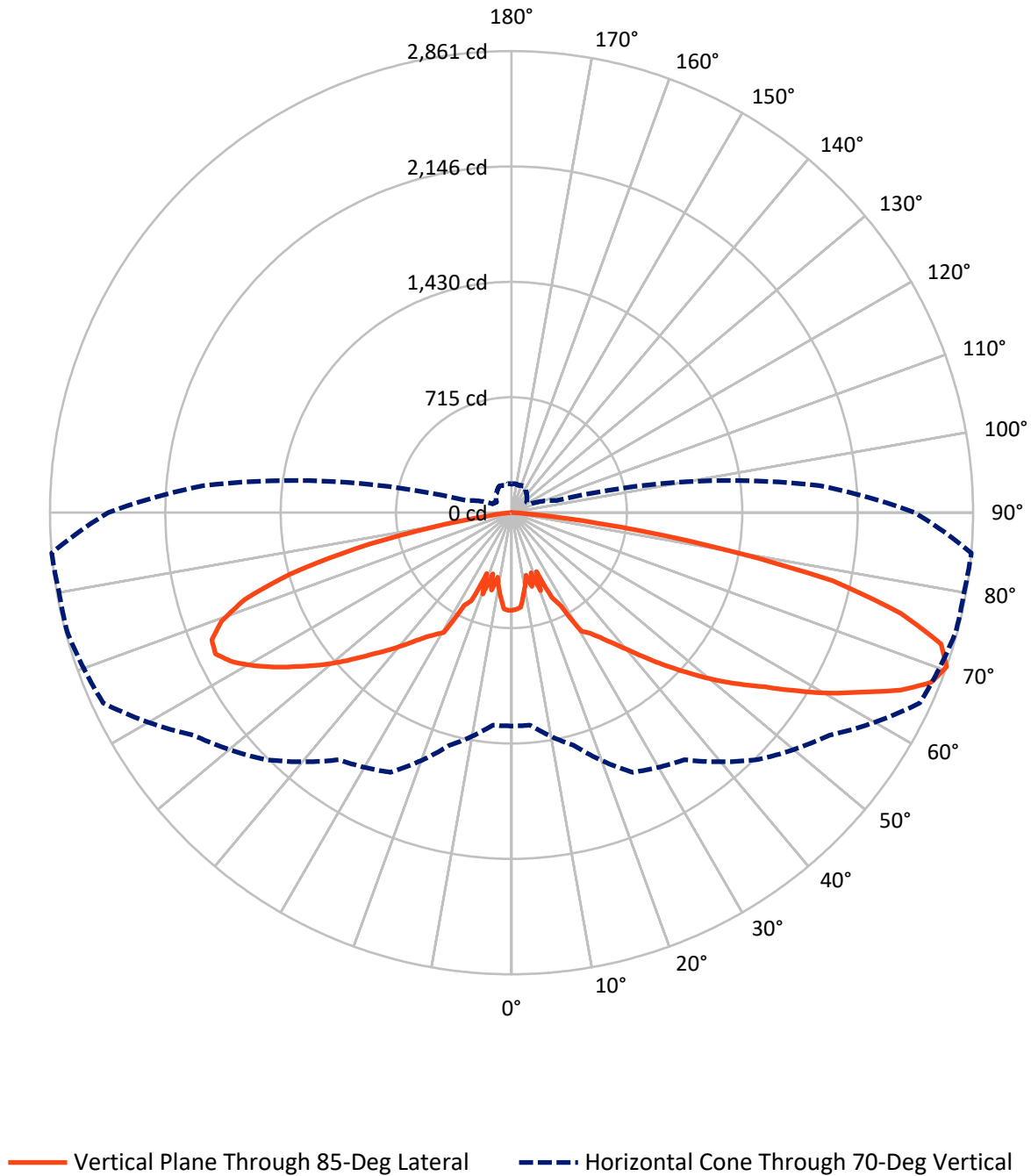


Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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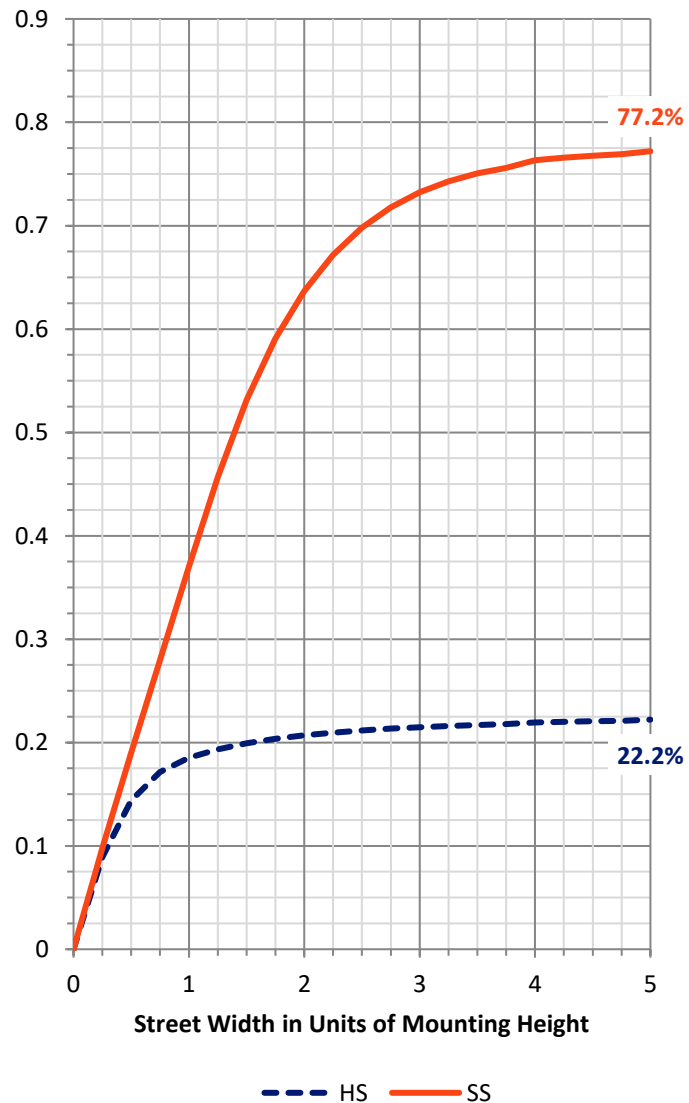
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1151.5	0.0	1151.5
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	3941.3	0.0	3941.3
	% Fixture	77.4	0.0	77.4
Total	Lumens	5092.7	0.0	5092.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.1	1.0
10°-20°	123.0	2.4
20°-30°	224.7	4.4
30°-40°	424.4	8.3
40°-50°	691.4	13.6
50°-60°	1066.6	20.9
60°-70°	1307.3	25.7
70°-80°	1023.8	20.1
80°-90°	182.3	3.6
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°	5092.7	100.0
0°-180°	5092.7	100.0

Coefficient of Utilization



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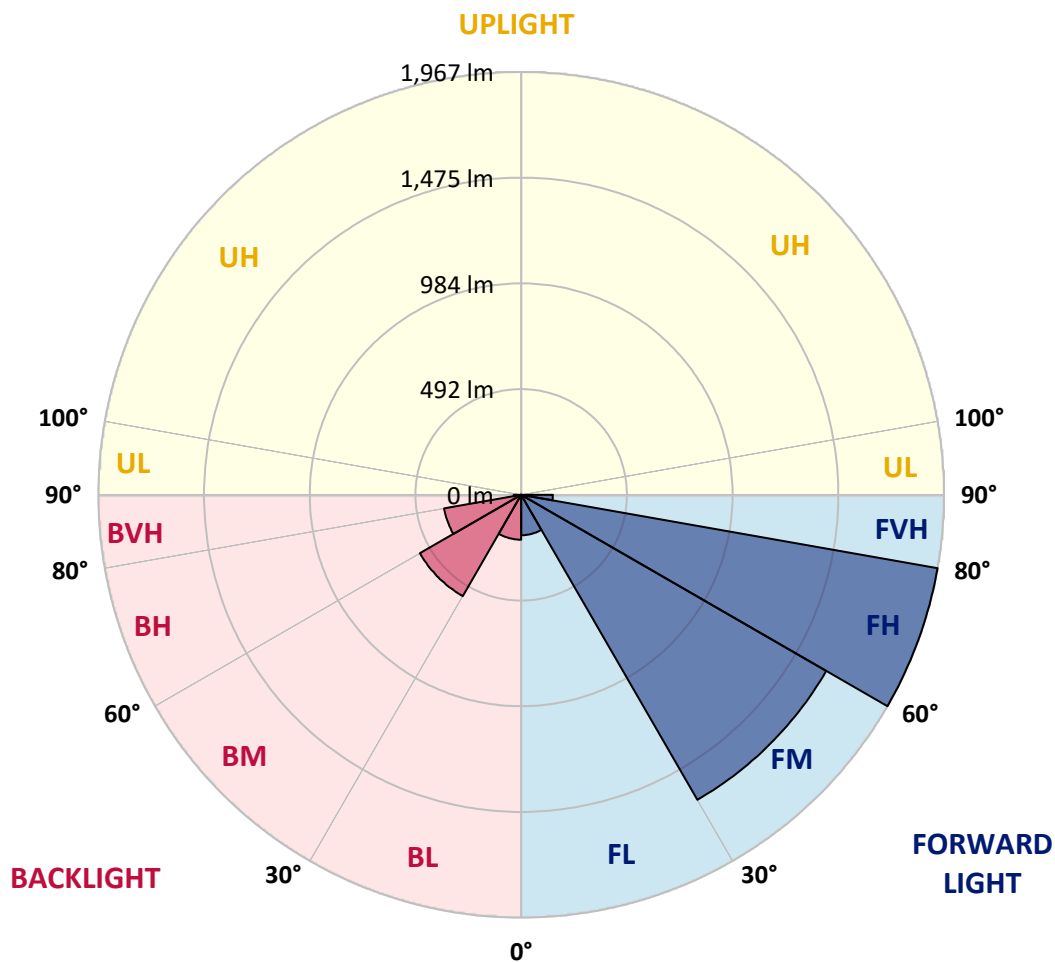
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	188.0	3.7			
FM	(30°-60°)	1638.4	32.2			
FH	(60°-80°)	1967.1	38.6			G2/5000
FVH	(80°-90°)	147.6	2.9			G2/225
BL	(0°-30°)	208.8	4.1	B1/500		
BM	(30°-60°)	543.9	10.7	B1/1000		
BH	(60°-80°)	364.0	7.1	B1/500		G1/500
BVH	(80°-90°)	34.7	0.7			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°	604.9	604.9	604.9	604.9	604.9	604.9	604.9	604.9	604.9	604.9	604.9
2.5°	498.8	543.5	543.5	543.5	552.8	560.3	564.0	565.9	573.3	578.9	582.6
5°	465.3	467.2	467.2	467.2	469.1	470.9	472.8	474.6	478.4	480.2	485.8
7.5°	390.9	398.3	413.2	426.3	435.6	444.9	452.3	457.9	461.6	465.3	467.2
10°	435.6	435.6	435.6	435.6	435.6	435.6	413.2	390.9	392.7	392.7	381.6
12.5°	364.8	376.0	392.7	407.6	420.7	431.8	416.9	402.1	374.1	346.2	346.2
15°	422.5	422.5	420.7	418.8	394.6	370.4	348.1	325.7	340.6	355.5	329.5
17.5°	363.0	364.8	387.2	407.6	403.9	398.3	377.9	355.5	320.2	282.9	320.2
20°	465.3	459.8	448.6	437.4	385.3	333.2	342.5	351.8	361.1	368.6	368.6
22.5°	428.1	431.8	439.3	446.7	441.1	433.7	379.7	325.7	357.4	389.0	361.1
25°	586.3	586.3	564.0	541.7	485.8	428.1	437.4	444.9	390.9	335.0	381.6
27.5°	541.7	537.9	528.6	517.5	528.6	537.9	489.5	439.3	454.2	469.1	430.0
30°	720.3	720.3	711.0	701.7	621.7	539.8	534.2	526.8	495.1	461.6	484.0
32.5°	863.7	861.8	819.0	776.2	731.5	685.0	636.6	586.3	582.6	578.9	575.2
35°	1034.9	1034.9	1010.7	986.5	887.9	787.4	729.7	672.0	655.2	638.4	651.5
37.5°	1131.7	1144.7	1135.4	1124.3	1016.3	906.5	826.4	744.5	727.8	711.0	716.6
40°	1265.7	1262.0	1260.1	1256.4	1131.7	1007.0	921.4	833.9	822.7	811.6	811.6
42.5°	1468.6	1448.1	1425.8	1401.6	1275.0	1148.5	1053.5	956.7	936.3	913.9	915.8
45°	1747.8	1725.5	1673.4	1619.4	1491.0	1362.5	1235.9	1109.4	1074.0	1036.8	1033.1
47.5°	1919.1	1894.9	1868.8	1840.9	1703.1	1565.4	1435.1	1303.0	1250.8	1198.7	1178.2
50°	2095.9	2073.6	2053.1	2032.6	1911.6	1790.6	1660.3	1530.0	1448.1	1366.2	1330.9
52.5°	2263.4	2222.5	2202.0	2181.5	2079.1	1974.9	1839.0	1703.1	1641.7	1580.3	1504.0
55°	2345.3	2295.1	2287.6	2278.3	2202.0	2123.8	1993.5	1863.2	1794.4	1723.6	1647.3
57.5°	2229.9	2233.6	2274.6	2315.5	2272.7	2229.9	2107.1	1984.2	1915.3	1846.5	1788.8
60°	2125.7	2153.6	2203.9	2254.1	2257.8	2259.7	2194.6	2129.4	2053.1	1976.8	1932.1
62.5°	1982.4	2002.8	2081.0	2157.3	2215.0	2270.9	2203.9	2136.8	2110.8	2082.9	2054.9
65°	1788.8	1794.4	1883.7	1971.2	2075.4	2177.8	2125.7	2073.6	2118.2	2161.0	2164.8
67.5°	1552.4	1569.1	1656.6	1744.1	1870.7	1995.4	1993.5	1991.7	2086.6	2179.7	2244.8
70°	1321.6	1321.6	1407.2	1492.8	1634.3	1775.7	1822.3	1868.8	2015.9	2162.9	2283.9
72.5°	995.8	1042.4	1087.0	1131.7	1289.9	1446.3	1548.7	1651.0	1870.7	2088.5	2272.7
75°	549.1	552.8	591.9	631.0	789.2	947.4	1101.9	1256.4	1550.5	1844.6	2135.0
77.5°	180.6	175.0	197.3	217.8	310.8	402.1	532.4	662.6	986.5	1310.4	1777.6
80°	100.5	102.4	109.8	117.3	147.0	175.0	238.3	301.5	439.3	575.2	1129.8
82.5°	67.0	68.9	76.3	83.8	96.8	109.8	145.2	178.7	191.7	202.9	510.0
85°	42.8	44.7	48.4	52.1	55.8	57.7	81.9	106.1	96.8	87.5	152.6
87.5°	9.3	9.3	11.2	11.2	13.0	14.9	18.6	22.3	20.5	16.8	22.3
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°	604.9	604.9	604.9	604.9	604.9	604.9	604.9	604.9	604.9	604.9	604.9
2.5°	584.5	588.2	590.1	591.9	593.8	597.5	599.4	601.2	604.9	606.8	606.8
5°	491.4	524.9	556.5	567.7	578.9	584.5	588.2	593.8	597.5	601.2	604.9
7.5°	469.1	470.9	472.8	485.8	498.8	510.0	521.2	524.9	534.2	528.6	521.2
10°	368.6	370.4	370.4	383.4	396.5	435.6	461.6	467.2	472.8	450.5	426.3
12.5°	344.4	353.7	363.0	357.4	351.8	379.7	398.3	405.8	409.5	394.6	379.7
15°	301.5	310.8	318.3	361.1	403.9	441.1	474.6	484.0	495.1	470.9	444.9
17.5°	357.4	353.7	348.1	355.5	363.0	372.3	390.9	396.5	396.5	403.9	411.4
20°	368.6	327.6	286.7	363.0	439.3	472.8	515.6	530.5	534.2	513.7	493.3
22.5°	331.3	377.9	424.4	415.1	405.8	396.5	396.5	402.1	407.6	411.4	415.1
25°	426.3	387.2	348.1	437.4	526.8	562.1	582.6	591.9	599.4	573.3	545.4
27.5°	390.9	443.0	493.3	532.4	571.4	610.5	653.3	694.3	644.0	619.8	595.6
30°	504.4	547.2	590.1	683.1	776.2	826.4	852.5	852.5	852.5	817.1	779.9
32.5°	571.4	645.9	720.3	770.6	819.0	869.3	889.7	889.7	889.7	846.9	802.2
35°	662.6	722.2	781.8	839.5	897.2	936.3	951.2	945.6	934.4	876.7	819.0
37.5°	722.2	802.2	882.3	941.9	999.6	1023.8	1029.3	1012.6	995.8	919.5	841.3
40°	811.6	899.0	984.7	1047.9	1111.2	1131.7	1120.5	1098.2	1068.4	966.0	863.7
42.5°	915.8	1003.3	1090.8	1165.2	1237.8	1250.8	1234.1	1198.7	1146.6	1007.0	865.5
45°	1029.3	1116.8	1202.4	1286.2	1370.0	1379.3	1356.9	1304.8	1228.5	1046.1	863.7
47.5°	1155.9	1224.8	1293.6	1412.8	1531.9	1520.7	1487.2	1427.7	1327.2	1092.6	856.2
50°	1295.5	1349.5	1401.6	1550.5	1699.4	1665.9	1628.7	1563.5	1431.4	1146.6	860.0
52.5°	1425.8	1477.9	1530.0	1684.5	1837.2	1805.5	1764.6	1706.9	1537.5	1204.3	869.3
55°	1571.0	1626.8	1682.7	1846.5	2010.3	1956.3	1904.2	1866.9	1641.7	1252.7	863.7
57.5°	1729.2	1799.9	1870.7	2021.4	2170.4	2112.7	2082.9	2034.5	1757.1	1310.4	863.7
60°	1887.4	1973.0	2058.7	2190.8	2323.0	2276.5	2270.9	2203.9	1865.1	1353.2	839.5
62.5°	2027.0	2155.5	2283.9	2388.1	2490.5	2445.8	2447.7	2369.5	1965.6	1362.5	757.6
65°	2168.5	2334.2	2498.0	2574.3	2650.6	2618.9	2650.6	2511.0	2032.6	1325.3	618.0
67.5°	2308.1	2490.5	2672.9	2730.6	2788.3	2769.7	2806.9	2557.5	2017.7	1228.5	437.4
70°	2404.9	2598.5	2792.0	2821.8	2851.6	2847.9	2860.9	2499.8	1917.2	1103.8	288.5
72.5°	2457.0	2639.4	2820.0	2833.0	2844.2	2838.6	2784.6	2319.3	1736.7	967.9	199.2
75°	2423.5	2600.3	2777.2	2751.1	2725.0	2672.9	2492.4	1997.2	1423.9	785.5	147.0
77.5°	2244.8	2436.5	2628.2	2561.2	2492.4	2339.7	2036.3	1496.5	990.2	552.8	113.5
80°	1684.5	1920.9	2157.3	2077.3	1995.4	1673.4	1239.7	837.6	511.9	299.7	87.5
82.5°	815.3	947.4	1079.6	1059.1	1038.6	768.7	536.1	301.5	147.0	108.0	68.9
85°	215.9	320.2	424.4	405.8	387.2	204.8	89.3	78.2	57.7	54.0	48.4
87.5°	26.1	29.8	31.6	22.3	11.2	9.3	9.3	5.6	5.6	7.4	7.4
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°	604.9	604.9	604.9	604.9	604.9	604.9	604.9	604.9	604.9	604.9	604.9
2.5°	610.5	612.4	612.4	612.4	612.4	612.4	597.5	582.6	578.9	575.2	567.7
5°	588.2	569.6	556.5	543.5	543.5	541.7	547.2	552.8	556.5	558.4	560.3
7.5°	523.0	524.9	536.1	545.4	554.7	562.1	567.7	571.4	567.7	562.1	539.8
10°	428.1	430.0	439.3	446.7	459.8	470.9	502.6	532.4	567.7	603.1	612.4
12.5°	407.6	433.7	418.8	403.9	444.9	484.0	524.9	564.0	591.9	618.0	599.4
15°	415.1	385.3	390.9	396.5	446.7	497.0	467.2	435.6	510.0	584.5	601.2
17.5°	413.2	413.2	441.1	469.1	422.5	374.1	443.0	510.0	539.8	567.7	545.4
20°	441.1	387.2	407.6	426.3	463.5	498.8	469.1	439.3	450.5	461.6	534.2
22.5°	459.8	502.6	456.0	407.6	441.1	474.6	469.1	463.5	497.0	530.5	511.9
25°	480.2	413.2	446.7	478.4	441.1	402.1	431.8	459.8	450.5	441.1	498.8
27.5°	551.0	504.4	461.6	418.8	441.1	461.6	439.3	415.1	424.4	433.7	430.0
30°	666.4	551.0	497.0	443.0	415.1	385.3	387.2	389.0	400.2	411.4	443.0
32.5°	696.2	590.1	511.9	433.7	415.1	396.5	379.7	361.1	377.9	394.6	431.8
35°	703.6	586.3	502.6	418.8	389.0	359.2	348.1	336.9	364.8	392.7	426.3
37.5°	699.9	556.5	467.2	377.9	355.5	333.2	327.6	320.2	338.8	355.5	379.7
40°	690.6	517.5	428.1	338.8	320.2	301.5	297.8	294.1	307.1	320.2	335.0
42.5°	673.8	480.2	390.9	301.5	288.5	275.5	271.8	266.2	277.3	288.5	294.1
45°	653.3	443.0	359.2	273.6	264.3	253.1	247.6	240.1	251.3	260.6	262.5
47.5°	632.9	407.6	331.3	253.1	245.7	236.4	230.8	223.4	232.7	240.1	242.0
50°	616.1	370.4	301.5	232.7	225.2	217.8	212.2	206.6	215.9	223.4	223.4
52.5°	606.8	342.5	275.5	208.5	204.8	201.0	199.2	195.4	202.9	210.3	212.2
55°	584.5	303.4	245.7	186.1	188.0	188.0	186.1	182.4	197.3	210.3	215.9
57.5°	560.3	256.9	214.1	169.4	173.1	176.8	178.7	180.6	197.3	212.2	219.6
60°	528.6	217.8	186.1	154.5	160.1	163.8	173.1	180.6	195.4	210.3	214.1
62.5°	472.8	186.1	163.8	141.5	148.9	156.4	167.5	178.7	189.9	201.0	201.0
65°	390.9	161.9	147.0	130.3	141.5	150.8	163.8	176.8	186.1	193.6	191.7
67.5°	292.2	145.2	134.0	121.0	134.0	145.2	156.4	167.5	178.7	189.9	186.1
70°	210.3	130.3	122.9	113.5	124.7	135.9	147.0	158.2	169.4	180.6	178.7
72.5°	160.1	119.1	111.7	104.2	115.4	124.7	137.7	150.8	161.9	173.1	169.4
75°	128.4	108.0	102.4	94.9	106.1	117.3	130.3	141.5	152.6	163.8	160.1
77.5°	106.1	96.8	91.2	85.6	94.9	104.2	117.3	130.3	141.5	150.8	147.0
80°	85.6	81.9	78.2	72.6	83.8	93.1	106.1	117.3	126.6	135.9	130.3
82.5°	67.0	65.1	63.3	59.6	68.9	78.2	91.2	104.2	111.7	119.1	115.4
85°	50.3	50.3	48.4	46.5	54.0	59.6	67.0	72.6	80.0	85.6	81.9
87.5°	7.4	7.4	11.2	13.0	13.0	13.0	18.6	24.2	24.2	22.3	18.6
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°	604.9	604.9	604.9	604.9
2.5°	560.3	560.3	560.3	562.1
5°	562.1	564.0	564.0	567.7
7.5°	515.6	513.7	511.9	511.9
10°	619.8	623.6	625.4	629.1
12.5°	578.9	556.5	534.2	534.2
15°	618.0	621.7	623.6	627.3
17.5°	523.0	521.2	519.3	515.6
20°	604.9	608.7	610.5	610.5
22.5°	493.3	493.3	491.4	491.4
25°	556.5	556.5	556.5	560.3
27.5°	424.4	437.4	450.5	467.2
30°	474.6	476.5	478.4	478.4
32.5°	469.1	493.3	517.5	521.2
35°	459.8	459.8	457.9	459.8
37.5°	403.9	398.3	390.9	394.6
40°	348.1	335.0	322.0	320.2
42.5°	299.7	288.5	275.5	275.5
45°	264.3	256.9	247.6	243.8
47.5°	242.0	234.5	227.1	225.2
50°	221.5	214.1	206.6	206.6
52.5°	214.1	208.5	201.0	199.2
55°	221.5	210.3	199.2	195.4
57.5°	225.2	212.2	199.2	193.6
60°	215.9	208.5	199.2	191.7
62.5°	199.2	195.4	191.7	188.0
65°	188.0	188.0	186.1	182.4
67.5°	182.4	184.3	184.3	180.6
70°	175.0	178.7	180.6	176.8
72.5°	165.7	167.5	167.5	161.9
75°	154.5	152.6	150.8	147.0
77.5°	141.5	139.6	135.9	132.2
80°	124.7	122.9	121.0	115.4
82.5°	109.8	113.5	115.4	94.9
85°	76.3	68.9	61.4	50.3
87.5°	14.9	11.2	5.6	5.6
90°	0.0	0.0	0.0	0.0

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