

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: P560629

Luminaire Tested: **SDL-PA1-50-827-U-T2U**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560629
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-PA1-50-827-U-T2U
Description: Springdale
(1) 80 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4785.1 lumens
Efficiency: N/A
Efficacy: 91.3 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): 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



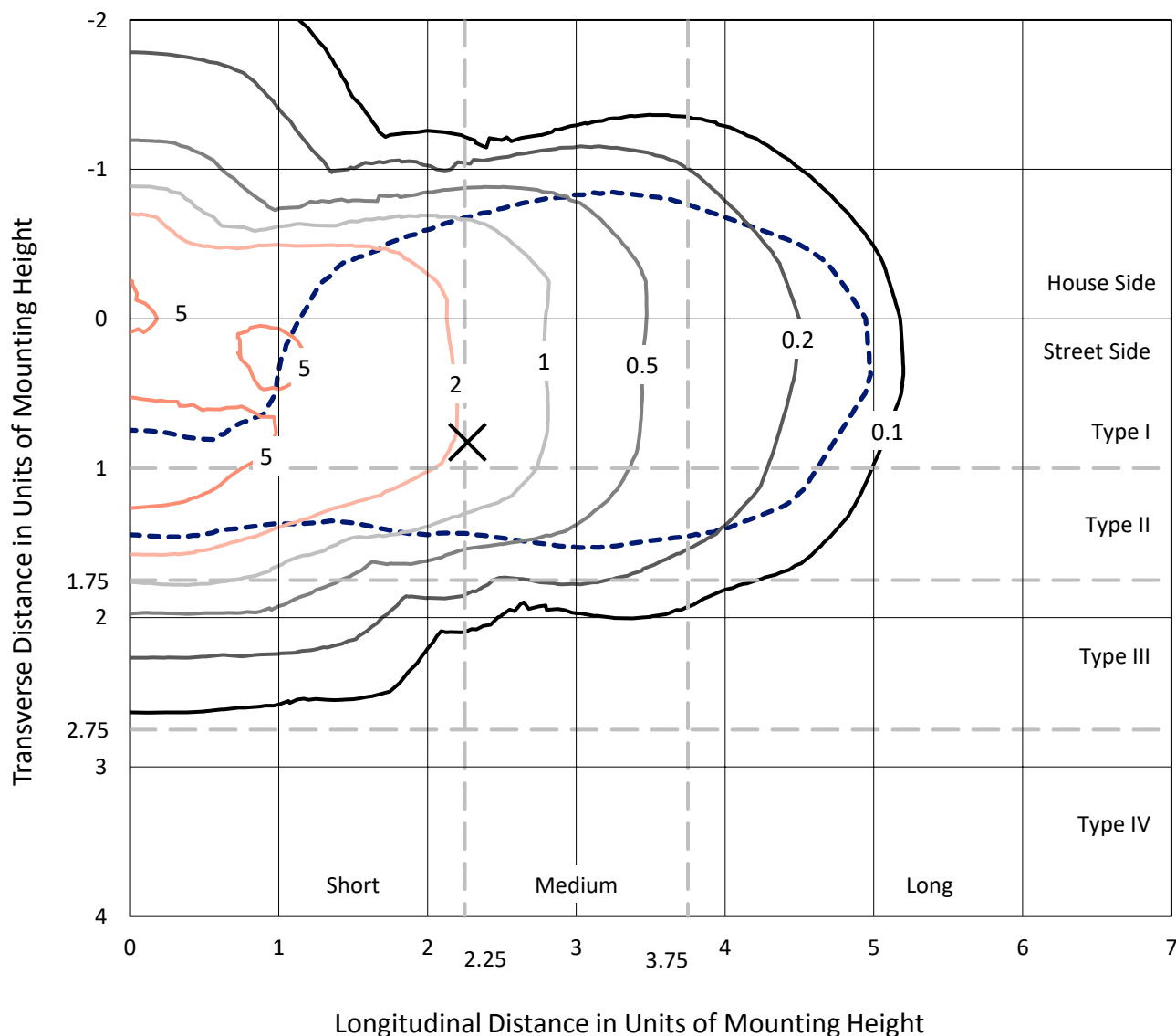
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

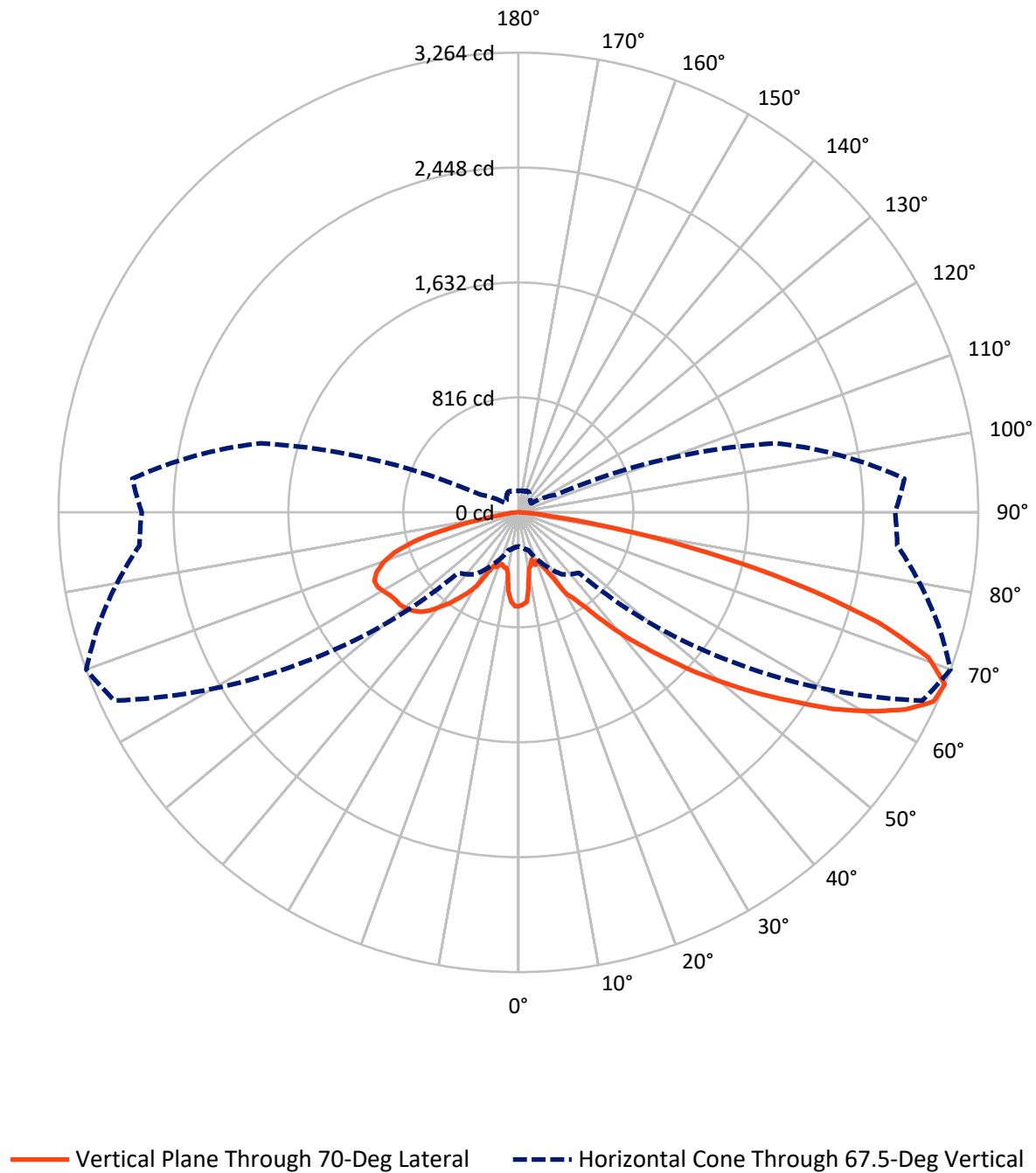


Based on 10 foot mounting height. Maximum calculated value = 8.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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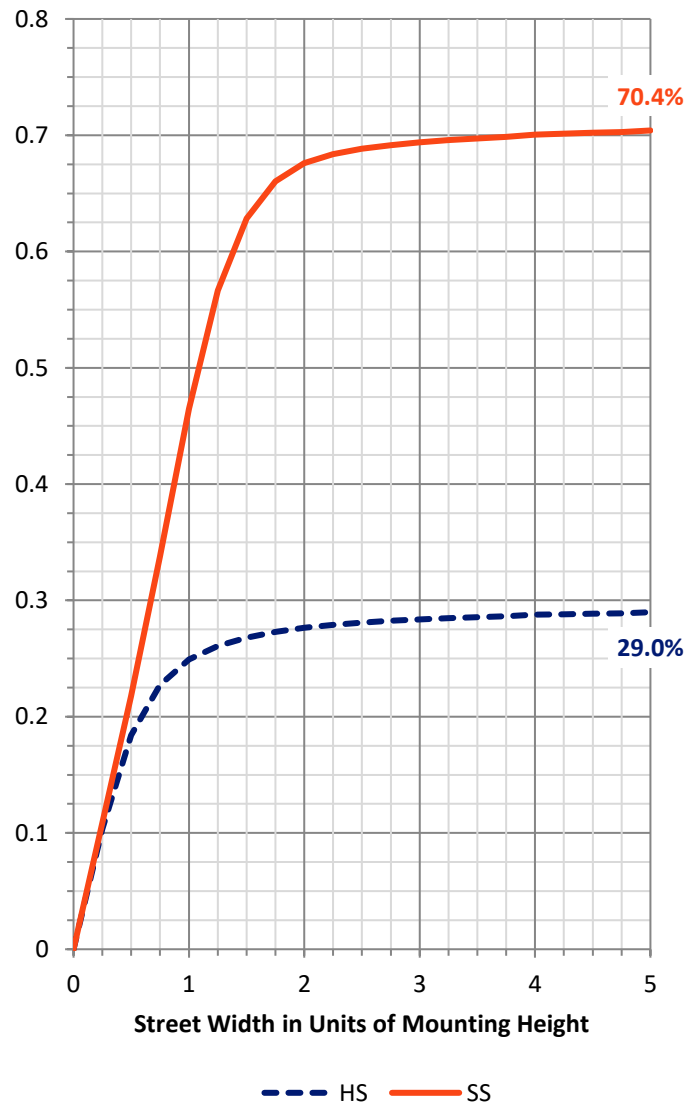
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1403.3	0.0	1403.3
	% Fixture	29.3	0.0	29.3
Street Side	Lumens	3381.8	0.0	3381.8
	% Fixture	70.7	0.0	70.7
Total	Lumens	4785.1	0.0	4785.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.4	1.1
10°-20°	125.3	2.6
20°-30°	222.6	4.7
30°-40°	470.5	9.8
40°-50°	861.4	18.0
50°-60°	1175.1	24.6
60°-70°	1107.8	23.2
70°-80°	670.5	14.0
80°-90°	98.5	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°	4785.1	100.0
0°-180°	4785.1	100.0

Coefficient of Utilization



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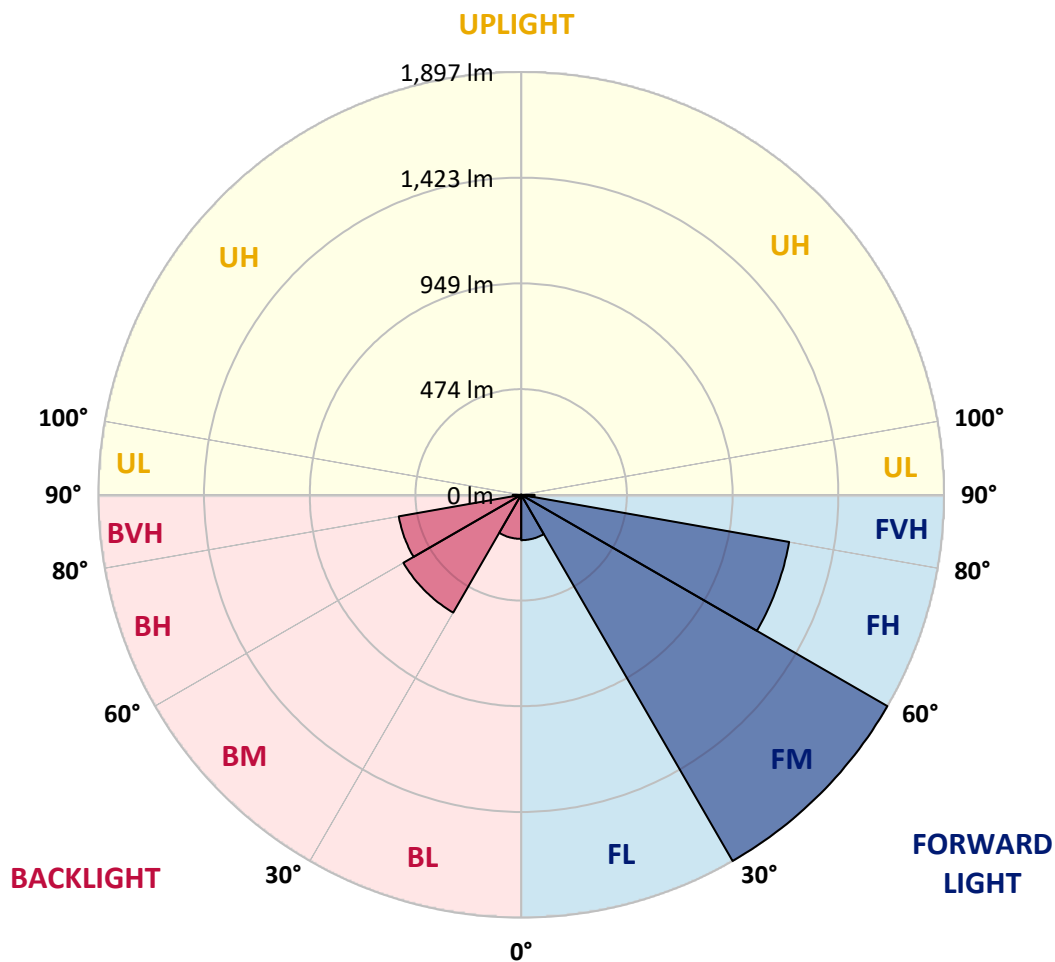
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	203.6	4.3			
FM	(30°-60°)	1897.0	39.6			
FH	(60°-80°)	1220.8	25.5			G1/1800
FVH	(80°-90°)	60.4	1.3			G1/100
BL	(0°-30°)	197.6	4.1	B1/500		
BM	(30°-60°)	610.0	12.7	B1/1000		
BH	(60°-80°)	557.5	11.7	B2/1000		G2/1000
BVH	(80°-90°)	38.1	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°	666.3	666.3	666.3	666.3	666.3	666.3	666.3	666.3	666.3	666.3	666.3
2.5°	559.5	564.7	599.1	633.6	635.3	635.3	637.0	638.7	643.9	647.3	650.8
5°	521.6	525.1	525.1	525.1	526.8	528.5	530.3	530.3	533.7	535.4	538.9
7.5°	437.3	471.7	483.8	494.1	501.0	506.2	509.6	513.0	516.5	519.9	523.4
10°	497.5	497.5	499.3	499.3	499.3	497.5	463.1	427.0	444.2	461.4	435.6
12.5°	409.7	416.6	447.6	476.9	485.5	492.4	475.2	456.2	425.2	394.2	390.8
15°	487.2	487.2	487.2	485.5	454.5	421.8	389.1	354.7	375.3	396.0	365.0
17.5°	421.8	421.8	447.6	471.7	470.0	466.6	437.3	406.3	358.1	308.2	347.8
20°	532.0	530.3	521.6	511.3	447.6	383.9	397.7	411.5	414.9	416.6	404.6
22.5°	475.2	476.9	487.2	497.5	499.3	501.0	427.0	351.2	394.2	437.3	396.0
25°	661.1	657.7	642.2	624.9	554.4	482.0	495.8	509.6	439.0	366.7	411.5
27.5°	628.4	618.1	611.2	604.3	616.3	628.4	563.0	495.8	511.3	526.8	470.0
30°	898.7	898.7	881.5	862.5	755.8	647.3	630.1	612.9	571.6	528.5	538.9
32.5°	1138.0	1138.0	1074.3	1008.9	945.2	881.5	797.1	712.7	695.5	676.6	659.4
35°	1432.4	1423.8	1387.6	1349.7	1212.0	1074.3	965.8	857.4	822.9	788.5	771.3
37.5°	1707.8	1688.9	1639.0	1587.3	1442.7	1296.4	1153.5	1010.6	972.7	934.8	897.0
40°	1935.1	1924.8	1890.3	1854.2	1690.6	1527.1	1365.2	1201.7	1151.8	1101.8	1046.7
42.5°	2143.4	2134.8	2103.8	2071.1	1909.3	1745.7	1592.5	1437.5	1363.5	1289.5	1224.1
45°	2296.6	2282.8	2262.2	2239.8	2110.7	1979.8	1824.9	1668.2	1639.0	1609.7	1482.3
47.5°	2344.8	2320.7	2317.3	2313.8	2210.5	2107.2	1983.3	1859.3	1864.5	1869.7	1721.6
50°	2274.2	2238.1	2253.6	2269.1	2227.8	2184.7	2088.3	1991.9	2034.9	2076.3	1959.2
52.5°	2017.7	2009.1	2048.7	2086.6	2096.9	2107.2	2086.6	2064.2	2143.4	2222.6	2179.6
55°	1664.8	1702.7	1757.8	1812.9	1855.9	1897.2	1957.5	2017.7	2153.7	2289.7	2320.7
57.5°	1311.9	1351.5	1415.2	1478.9	1528.8	1578.7	1702.7	1826.6	2031.5	2236.4	2375.8
60°	883.2	924.5	1029.5	1132.8	1203.4	1274.0	1385.9	1497.8	1756.0	2014.3	2296.6
62.5°	588.8	575.0	662.8	748.9	862.5	976.2	1026.1	1074.3	1344.6	1613.1	2069.4
65°	361.5	363.3	397.7	430.4	556.1	680.0	719.6	757.5	910.7	1064.0	1685.5
67.5°	242.7	247.9	263.4	278.9	339.2	399.4	468.3	537.1	573.3	607.7	1229.2
70°	215.2	216.9	223.8	230.7	247.9	265.1	328.8	392.5	371.9	349.5	697.3
72.5°	189.4	191.1	203.1	213.5	222.1	230.7	268.6	306.4	282.3	258.2	347.8
75°	154.9	160.1	172.2	182.5	199.7	215.2	223.8	232.4	220.4	206.6	223.8
77.5°	127.4	130.8	139.5	148.1	165.3	180.8	189.4	198.0	179.0	160.1	170.4
80°	99.9	101.6	108.5	115.3	129.1	141.2	151.5	160.1	142.9	124.0	129.1
82.5°	60.3	62.0	72.3	80.9	93.0	103.3	110.2	115.3	120.5	124.0	108.5
85°	32.7	32.7	39.6	46.5	48.2	49.9	56.8	62.0	77.5	91.2	79.2
87.5°	5.2	5.2	6.9	6.9	10.3	12.1	13.8	13.8	15.5	15.5	17.2
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	666.3	666.3	666.3	666.3	666.3	666.3	666.3	666.3	666.3	666.3	666.3
2.5°	652.5	654.2	654.2	654.2	655.9	657.7	659.4	659.4	661.1	662.8	664.5
5°	542.3	587.1	630.1	637.0	642.2	645.6	649.0	650.8	654.2	657.7	659.4
7.5°	526.8	526.8	526.8	514.8	559.5	564.7	569.9	573.3	576.7	573.3	568.1
10°	408.0	408.0	406.3	409.7	428.7	461.4	492.4	495.8	499.3	471.7	442.5
12.5°	385.6	390.8	396.0	387.4	352.9	382.2	411.5	416.6	418.4	394.2	368.4
15°	332.3	334.0	335.7	347.8	418.4	447.6	476.9	482.0	487.2	461.4	433.8
17.5°	385.6	373.6	359.8	392.5	365.0	383.9	401.1	359.8	397.7	390.8	383.9
20°	392.5	351.2	308.2	366.7	428.7	457.9	485.5	488.9	490.7	470.0	447.6
22.5°	354.7	394.2	433.8	394.2	370.1	366.7	363.3	361.5	363.3	375.3	385.6
25°	456.2	406.3	356.4	447.6	504.4	518.2	532.0	525.1	521.6	495.8	470.0
27.5°	413.2	452.8	490.7	528.5	545.7	564.7	581.9	587.1	559.5	532.0	504.4
30°	547.5	571.6	594.0	671.4	728.2	745.5	762.7	745.5	735.1	700.7	664.5
32.5°	640.4	688.6	736.8	735.1	788.5	802.3	814.3	791.9	773.0	735.1	695.5
35°	754.1	785.1	816.0	833.3	886.6	891.8	897.0	867.7	840.1	795.4	750.6
37.5°	859.1	898.7	936.6	979.6	1026.1	1015.7	1003.7	967.5	922.8	888.3	853.9
40°	989.9	1038.1	1086.3	1141.4	1169.0	1153.5	1136.3	1081.2	1038.1	1002.0	965.8
42.5°	1156.9	1208.6	1258.5	1306.7	1317.0	1299.8	1280.9	1220.6	1155.2	1119.0	1081.2
45°	1353.2	1394.5	1435.8	1485.7	1506.4	1475.4	1442.7	1367.0	1289.5	1237.8	1186.2
47.5°	1571.8	1590.8	1609.7	1695.8	1723.3	1671.7	1618.3	1535.7	1427.2	1360.1	1291.2
50°	1842.1	1837.0	1830.1	1905.8	1969.5	1883.4	1795.6	1699.2	1592.5	1497.8	1401.4
52.5°	2136.5	2086.6	2034.9	2136.5	2167.5	2064.2	1960.9	1857.6	1750.9	1628.6	1504.7
55°	2351.7	2324.2	2296.6	2368.9	2365.5	2245.0	2122.7	2000.5	1912.7	1749.2	1585.6
57.5°	2513.5	2537.6	2560.0	2632.3	2549.7	2412.0	2274.2	2152.0	2076.3	1871.4	1666.5
60°	2577.2	2701.2	2823.4	2866.5	2740.8	2585.9	2429.2	2308.7	2245.0	1997.1	1749.2
62.5°	2525.6	2799.3	3073.1	3081.7	2916.4	2742.5	2568.6	2470.5	2437.8	2133.1	1826.6
65°	2307.0	2758.0	3207.4	3238.3	3052.4	2869.9	2685.7	2613.4	2634.1	2260.5	1885.2
67.5°	1849.0	2506.7	3162.6	3264.2	3085.1	2892.3	2699.5	2673.7	2751.1	2322.4	1893.8
70°	1045.0	1926.5	2806.2	3088.6	2993.9	2802.8	2610.0	2622.0	2737.4	2288.0	1838.7
72.5°	435.6	1332.5	2229.5	2671.9	2754.6	2592.7	2429.2	2473.9	2553.1	2126.2	1697.5
75°	241.0	850.5	1459.9	2048.7	2303.5	2260.5	2215.7	2265.6	2227.8	1814.6	1401.4
77.5°	179.0	459.7	740.3	1372.1	1733.7	1831.8	1928.2	1952.3	1740.5	1325.6	910.7
80°	134.3	218.6	301.3	700.7	929.7	1105.3	1280.9	1172.4	1024.4	716.2	408.0
82.5°	93.0	125.7	158.4	225.5	361.5	416.6	470.0	447.6	335.7	235.9	134.3
85°	65.4	82.6	99.9	124.0	154.9	124.0	93.0	75.8	87.8	80.9	74.0
87.5°	17.2	17.2	15.5	17.2	12.1	10.3	8.6	6.9	6.9	6.9	6.9
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°	666.3	666.3	666.3	666.3	666.3	666.3	666.3	666.3	666.3	666.3	666.3
2.5°	666.3	668.0	668.0	668.0	668.0	666.3	657.7	649.0	628.4	607.7	600.8
5°	637.0	614.6	597.4	580.2	580.2	580.2	583.6	587.1	588.8	590.5	592.2
7.5°	568.1	566.4	573.3	580.2	585.3	590.5	594.0	597.4	590.5	583.6	568.1
10°	444.2	444.2	452.8	459.7	471.7	483.8	518.2	552.6	581.9	611.2	616.3
12.5°	402.9	435.6	416.6	396.0	439.0	482.0	519.9	556.1	585.3	612.9	590.5
15°	404.6	373.6	380.5	387.4	433.8	480.3	445.9	409.7	478.6	545.7	561.2
17.5°	385.6	387.4	418.4	449.3	402.9	354.7	414.9	475.2	501.0	525.1	502.7
20°	396.0	342.6	378.8	414.9	447.6	478.6	447.6	414.9	423.5	432.1	490.7
22.5°	418.4	451.1	420.1	389.1	427.0	463.1	447.6	432.1	459.7	485.5	461.4
25°	416.6	361.5	413.2	464.8	430.4	394.2	413.2	432.1	418.4	402.9	447.6
27.5°	480.3	456.2	442.5	427.0	445.9	464.8	425.2	385.6	385.6	385.6	380.5
30°	600.8	537.1	509.6	480.3	433.8	387.4	373.6	359.8	361.5	363.3	389.1
32.5°	671.4	647.3	564.7	482.0	439.0	396.0	359.8	323.7	327.1	330.5	363.3
35°	733.4	714.5	604.3	492.4	421.8	349.5	318.5	285.8	301.3	315.1	342.6
37.5°	804.0	752.3	602.6	451.1	375.3	299.6	280.6	261.7	272.0	280.6	297.8
40°	867.7	767.8	587.1	404.6	328.8	251.4	242.7	232.4	241.0	249.6	260.0
42.5°	936.6	790.2	564.7	337.4	277.2	216.9	213.5	210.0	218.6	227.3	234.1
45°	989.9	793.7	535.4	275.5	235.9	196.3	196.3	194.5	203.1	210.0	213.5
47.5°	1024.4	755.8	488.9	220.4	203.1	185.9	187.7	187.7	194.5	199.7	201.4
50°	1048.5	693.8	444.2	194.5	185.9	177.3	177.3	177.3	184.2	189.4	192.8
52.5°	1065.7	624.9	402.9	179.0	175.6	170.4	170.4	168.7	177.3	185.9	187.7
55°	1070.8	554.4	361.5	167.0	163.6	160.1	163.6	165.3	175.6	184.2	185.9
57.5°	1082.9	499.3	327.1	154.9	153.2	151.5	156.7	161.8	172.2	182.5	182.5
60°	1107.0	463.1	303.0	142.9	142.9	142.9	151.5	158.4	168.7	179.0	177.3
62.5°	1129.4	430.4	280.6	130.8	132.6	134.3	144.6	154.9	165.3	175.6	173.9
65°	1132.8	378.8	249.6	120.5	124.0	125.7	137.7	149.8	160.1	170.4	167.0
67.5°	1094.9	296.1	203.1	110.2	115.3	118.8	132.6	144.6	154.9	163.6	160.1
70°	1026.1	211.8	156.7	101.6	106.7	110.2	124.0	136.0	144.6	153.2	149.8
72.5°	924.5	151.5	122.2	93.0	96.4	99.9	111.9	124.0	134.3	142.9	139.5
75°	762.7	122.2	103.3	84.4	87.8	89.5	101.6	111.9	122.2	130.8	125.7
77.5°	506.2	99.9	87.8	75.8	77.5	79.2	89.5	98.1	106.7	113.6	110.2
80°	244.5	80.9	74.0	65.4	67.1	67.1	75.8	84.4	91.2	96.4	94.7
82.5°	99.9	63.7	58.5	53.4	53.4	53.4	62.0	68.9	75.8	80.9	77.5
85°	62.0	49.9	46.5	41.3	39.6	37.9	41.3	44.8	48.2	49.9	48.2
87.5°	8.6	8.6	10.3	12.1	10.3	6.9	10.3	13.8	13.8	12.1	10.3
90°	0.0	0.0	5.2	5.2	3.4	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	666.3	666.3	666.3	666.3
2.5°	594.0	594.0	594.0	597.4
5°	592.2	592.2	592.2	595.7
7.5°	552.6	535.4	518.2	519.9
10°	619.8	621.5	621.5	623.2
12.5°	566.4	538.9	511.3	514.8
15°	576.7	576.7	575.0	576.7
17.5°	480.3	471.7	463.1	463.1
20°	549.2	549.2	549.2	549.2
22.5°	437.3	435.6	433.8	435.6
25°	492.4	494.1	494.1	492.4
27.5°	375.3	397.7	418.4	420.1
30°	413.2	413.2	413.2	413.2
32.5°	396.0	413.2	430.4	432.1
35°	368.4	366.7	365.0	370.1
37.5°	313.3	309.9	306.4	306.4
40°	270.3	263.4	256.5	256.5
42.5°	239.3	234.1	227.3	225.5
45°	216.9	211.8	204.9	204.9
47.5°	201.4	198.0	194.5	192.8
50°	194.5	191.1	187.7	187.7
52.5°	189.4	187.7	184.2	184.2
55°	185.9	184.2	180.8	180.8
57.5°	182.5	180.8	177.3	177.3
60°	175.6	173.9	172.2	172.2
62.5°	170.4	168.7	167.0	167.0
65°	163.6	163.6	161.8	160.1
67.5°	154.9	154.9	154.9	151.5
70°	144.6	144.6	144.6	141.2
72.5°	134.3	134.3	132.6	127.4
75°	120.5	118.8	117.1	113.6
77.5°	106.7	103.3	99.9	98.1
80°	91.2	87.8	84.4	80.9
82.5°	72.3	70.6	67.1	58.5
85°	44.8	39.6	32.7	29.3
87.5°	8.6	6.9	5.2	1.7
90°	0.0	0.0	0.0	0.0

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