

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: P561359

Luminaire Tested: **SDL-PA1-90-830-U-T3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561359
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-PA1-90-830-U-T3
Description: Springdale
(1) 80 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8093.8 lumens
Efficiency: N/A
Efficacy: 87.6 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: B2 - U0 - G3

Input Watts (W): 92.4
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

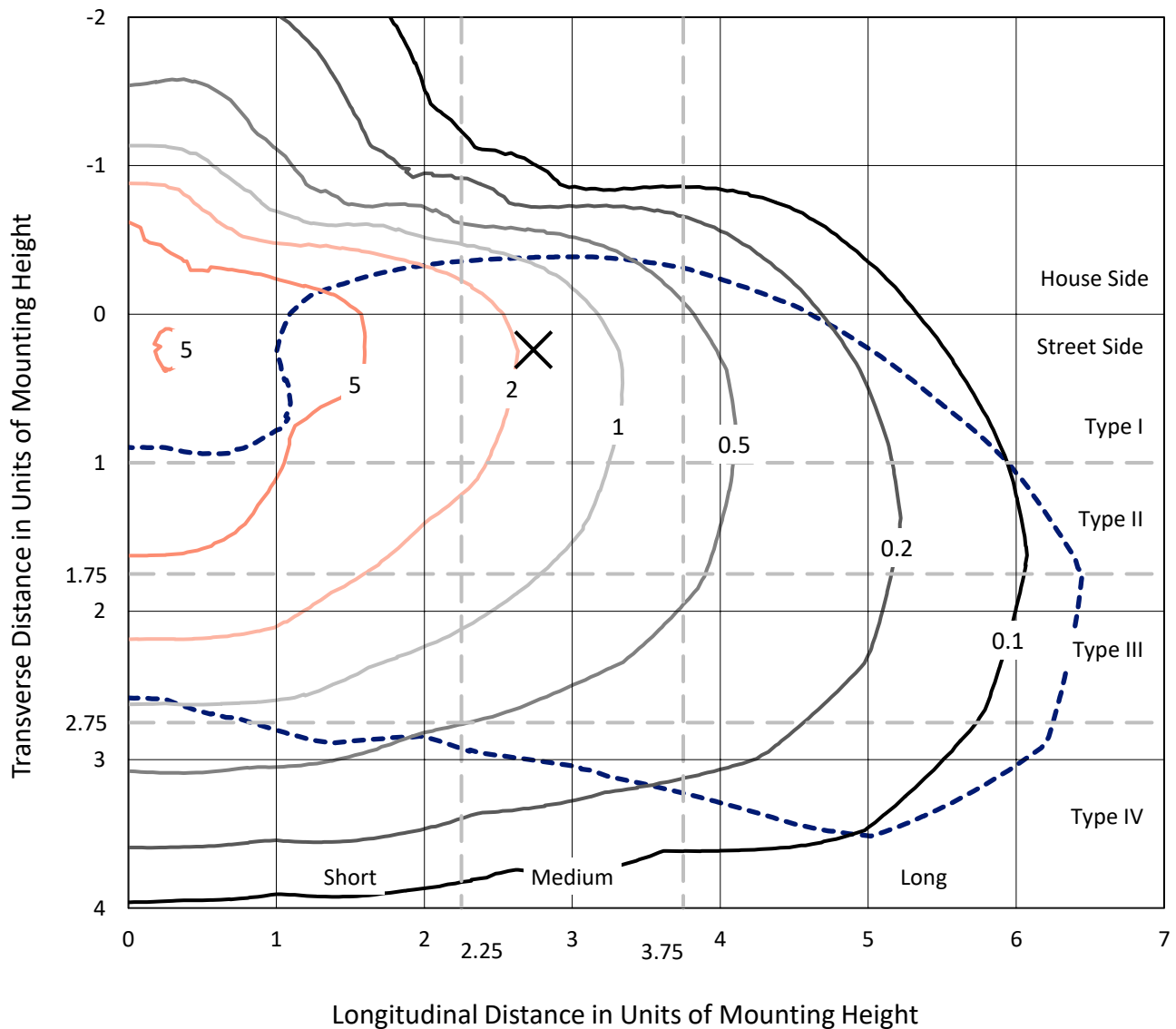


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

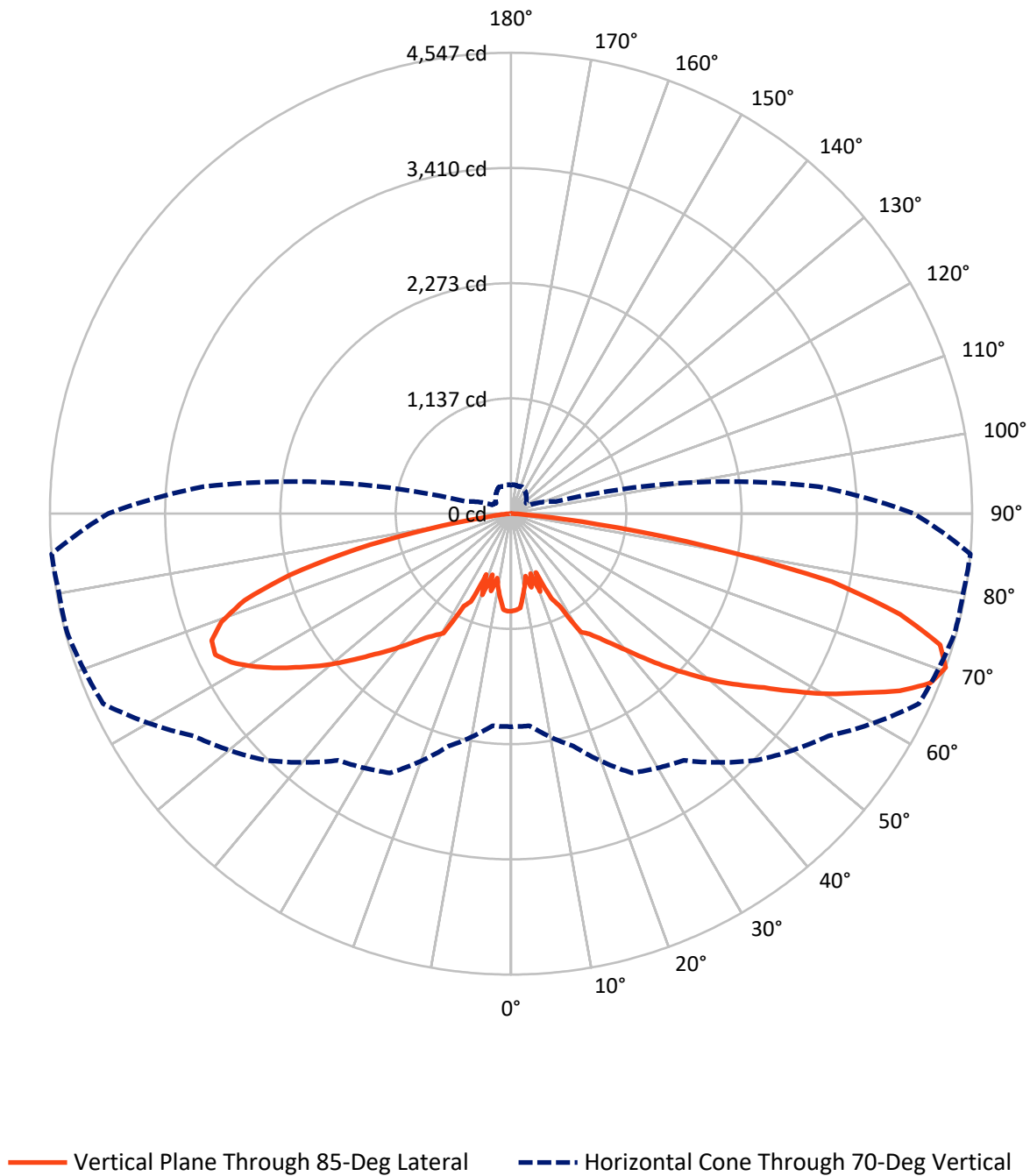


Based on 10 foot mounting height. Maximum calculated value = 9.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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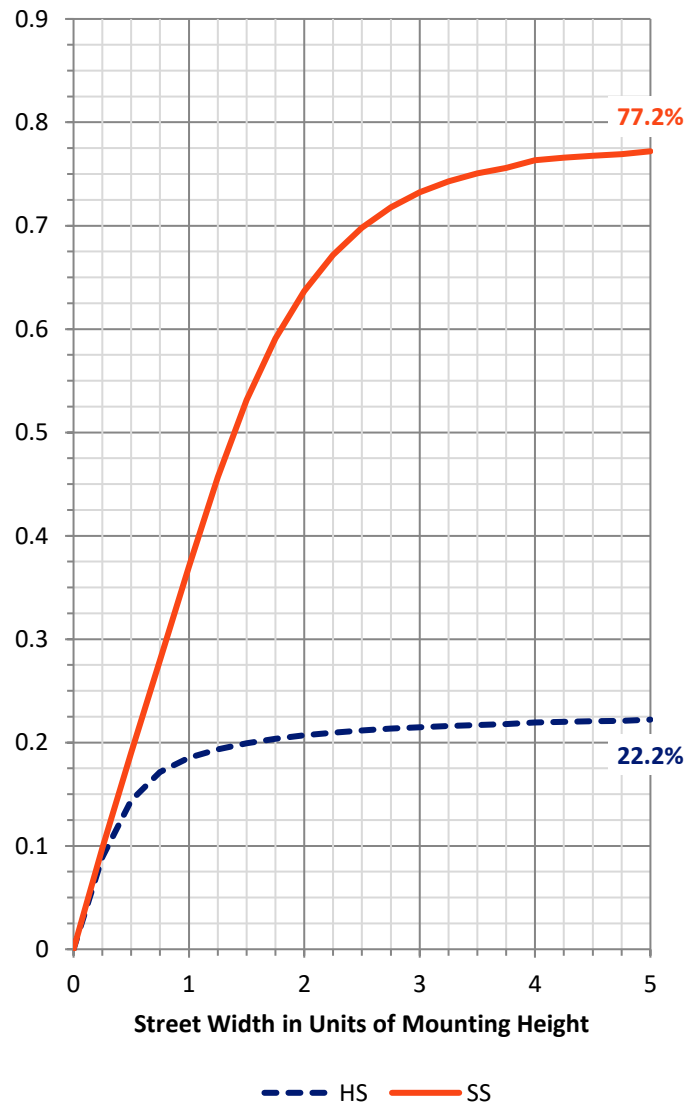
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1830.0	0.0	1830.0
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	6263.8	0.0	6263.8
	% Fixture	77.4	0.0	77.4
Total	Lumens	8093.8	0.0	8093.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.1	1.0
10°-20°	195.4	2.4
20°-30°	357.2	4.4
30°-40°	674.5	8.3
40°-50°	1098.8	13.6
50°-60°	1695.1	20.9
60°-70°	2077.7	25.7
70°-80°	1627.2	20.1
80°-90°	289.7	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°	8093.8	100.0
0°-180°	8093.8	100.0

Coefficient of Utilization



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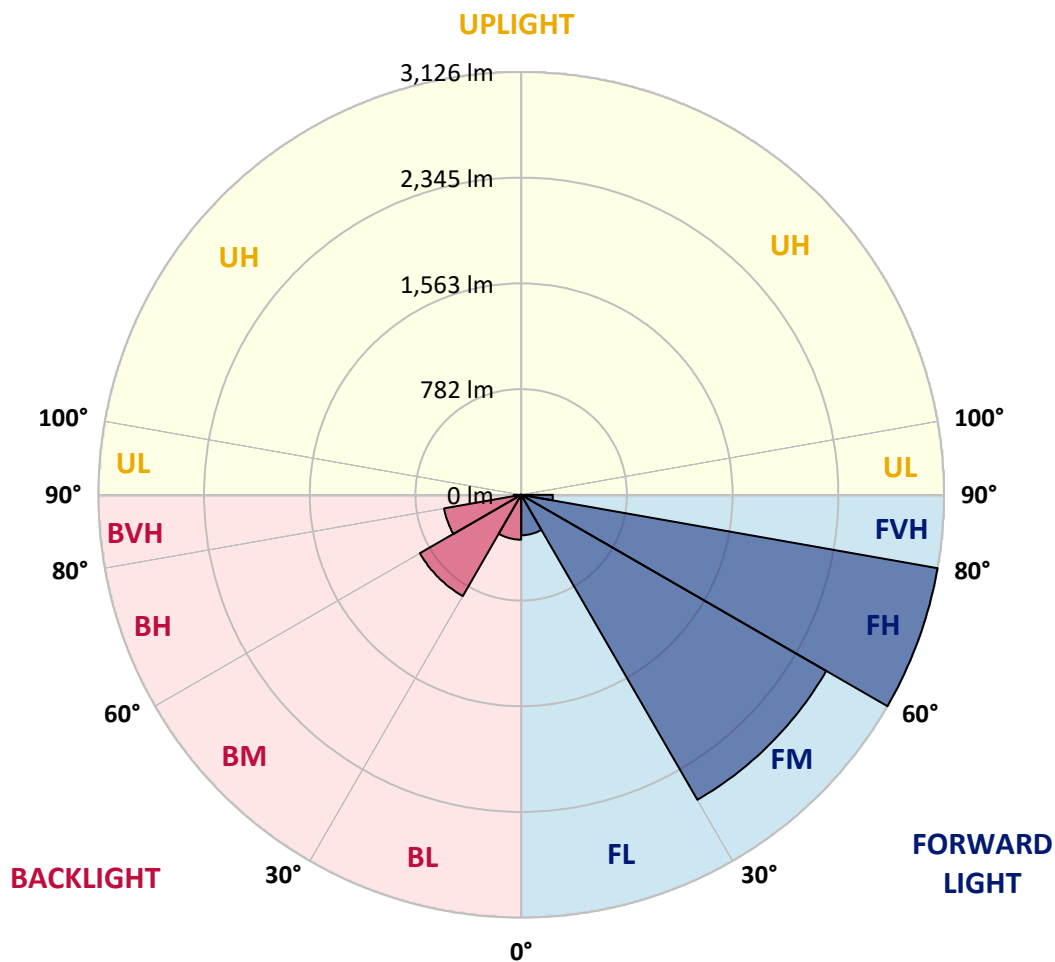
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	298.8	3.7			
FM	(30°-60°)	2604.0	32.2			
FH	(60°-80°)	3126.4	38.6			G2/5000
FVH	(80°-90°)	234.6	2.9			G3/500
BL	(0°-30°)	331.9	4.1	B1/500		
BM	(30°-60°)	864.5	10.7	B1/1000		
BH	(60°-80°)	578.6	7.1	B2/1000		G2/1000
BVH	(80°-90°)	55.1	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	961.4	961.4	961.4	961.4	961.4	961.4	961.4	961.4	961.4	961.4	961.4
2.5°	792.8	863.8	863.8	863.8	878.6	890.4	896.3	899.3	911.1	920.0	925.9
5°	739.6	742.5	742.5	742.5	745.5	748.4	751.4	754.4	760.3	763.2	772.1
7.5°	621.2	633.1	656.7	677.4	692.2	707.0	718.9	727.7	733.6	739.6	742.5
10°	692.2	692.2	692.2	692.2	692.2	692.2	656.7	621.2	624.2	624.2	606.4
12.5°	579.8	597.6	624.2	647.9	668.6	686.3	662.6	639.0	594.6	550.2	550.2
15°	671.5	671.5	668.6	665.6	627.1	588.7	553.2	517.7	541.4	565.0	523.6
17.5°	576.9	579.8	615.3	647.9	641.9	633.1	600.5	565.0	508.8	449.7	508.8
20°	739.6	730.7	712.9	695.2	612.4	529.5	544.3	559.1	573.9	585.7	585.7
22.5°	680.4	686.3	698.1	710.0	701.1	689.3	603.5	517.7	568.0	618.3	573.9
25°	931.8	931.8	896.3	860.8	772.1	680.4	695.2	707.0	621.2	532.5	606.4
27.5°	860.8	854.9	840.1	822.4	840.1	854.9	778.0	698.1	721.8	745.5	683.4
30°	1144.8	1144.8	1130.1	1115.3	988.1	857.9	849.0	837.2	786.9	733.6	769.1
32.5°	1372.6	1369.7	1301.6	1233.6	1162.6	1088.6	1011.7	931.8	925.9	920.0	914.1
35°	1644.8	1644.8	1606.3	1567.9	1411.1	1251.3	1159.6	1067.9	1041.3	1014.7	1035.4
37.5°	1798.6	1819.3	1804.5	1786.8	1615.2	1440.7	1313.5	1183.3	1156.7	1130.1	1138.9
40°	2011.6	2005.7	2002.7	1996.8	1798.6	1600.4	1464.3	1325.3	1307.5	1289.8	1289.8
42.5°	2334.1	2301.5	2266.0	2227.6	2026.4	1825.2	1674.4	1520.5	1488.0	1452.5	1455.5
45°	2777.8	2742.3	2659.5	2573.7	2369.6	2165.4	1964.3	1763.1	1706.9	1647.7	1641.8
47.5°	3050.0	3011.5	2970.1	2925.7	2706.8	2487.9	2280.8	2070.8	1987.9	1905.1	1872.6
50°	3331.0	3295.5	3262.9	3230.4	3038.1	2845.8	2638.8	2431.7	2301.5	2171.4	2115.1
52.5°	3597.2	3532.1	3499.6	3467.1	3304.4	3138.7	2922.7	2706.8	2609.2	2511.6	2390.3
55°	3727.4	3647.5	3635.7	3620.9	3499.6	3375.4	3168.3	2961.2	2851.8	2739.3	2618.0
57.5°	3544.0	3549.9	3615.0	3680.1	3612.0	3544.0	3348.7	3153.5	3044.0	2934.6	2842.9
60°	3378.3	3422.7	3502.6	3582.4	3588.4	3591.3	3487.8	3384.2	3262.9	3141.7	3070.7
62.5°	3150.5	3183.1	3307.3	3428.6	3520.3	3609.1	3502.6	3396.1	3354.7	3310.3	3265.9
65°	2842.9	2851.8	2993.7	3132.8	3298.4	3461.1	3378.3	3295.5	3366.5	3434.5	3440.4
67.5°	2467.2	2493.8	2632.8	2771.9	2973.0	3171.2	3168.3	3165.3	3316.2	3464.1	3567.6
70°	2100.4	2100.4	2236.4	2372.5	2597.3	2822.2	2896.1	2970.1	3203.8	3437.5	3629.8
72.5°	1582.7	1656.6	1727.6	1798.6	2050.1	2298.6	2461.3	2624.0	2973.0	3319.2	3612.0
75°	872.7	878.6	940.7	1002.8	1254.3	1505.7	1751.3	1996.8	2464.2	2931.6	3393.1
77.5°	286.9	278.1	313.6	346.1	494.0	639.0	846.1	1053.1	1567.9	2082.6	2825.1
80°	159.7	162.7	174.5	186.4	233.7	278.1	378.7	479.2	698.1	914.1	1795.7
82.5°	106.5	109.5	121.3	133.1	153.8	174.5	230.7	284.0	304.7	322.4	810.6
85°	68.0	71.0	76.9	82.8	88.7	91.7	130.2	168.6	153.8	139.0	242.6
87.5°	14.8	14.8	17.7	17.7	20.7	23.7	29.6	35.5	32.5	26.6	35.5
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°	961.4	961.4	961.4	961.4	961.4	961.4	961.4	961.4	961.4	961.4	961.4
2.5°	928.9	934.8	937.8	940.7	943.7	949.6	952.6	955.5	961.4	964.4	964.4
5°	781.0	834.2	884.5	902.3	920.0	928.9	934.8	943.7	949.6	955.5	961.4
7.5°	745.5	748.4	751.4	772.1	792.8	810.6	828.3	834.2	849.0	840.1	828.3
10°	585.7	588.7	588.7	609.4	630.1	692.2	733.6	742.5	751.4	715.9	677.4
12.5°	547.3	562.1	576.9	568.0	559.1	603.5	633.1	644.9	650.8	627.1	603.5
15°	479.2	494.0	505.9	573.9	641.9	701.1	754.4	769.1	786.9	748.4	707.0
17.5°	568.0	562.1	553.2	565.0	576.9	591.6	621.2	630.1	630.1	641.9	653.8
20°	585.7	520.7	455.6	576.9	698.1	751.4	819.4	843.1	849.0	816.5	783.9
22.5°	526.6	600.5	674.5	659.7	644.9	630.1	630.1	639.0	647.9	653.8	659.7
25°	677.4	615.3	553.2	695.2	837.2	893.4	925.9	940.7	952.6	911.1	866.8
27.5°	621.2	704.1	783.9	846.1	908.2	970.3	1038.3	1103.4	1023.6	985.1	946.6
30°	801.7	869.7	937.8	1085.7	1233.6	1313.5	1354.9	1354.9	1354.9	1298.7	1239.5
32.5°	908.2	1026.5	1144.8	1224.7	1301.6	1381.5	1414.0	1414.0	1414.0	1346.0	1275.0
35°	1053.1	1147.8	1242.5	1334.2	1425.9	1488.0	1511.7	1502.8	1485.0	1393.3	1301.6
37.5°	1147.8	1275.0	1402.2	1496.9	1588.6	1627.0	1635.9	1609.3	1582.7	1461.4	1337.1
40°	1289.8	1428.8	1564.9	1665.5	1766.1	1798.6	1780.9	1745.4	1698.0	1535.3	1372.6
42.5°	1455.5	1594.5	1733.5	1851.9	1967.2	1987.9	1961.3	1905.1	1822.3	1600.4	1375.6
45°	1635.9	1774.9	1911.0	2044.1	2177.3	2192.1	2156.6	2073.7	1952.4	1662.5	1372.6
47.5°	1837.1	1946.5	2056.0	2245.3	2434.6	2416.9	2363.6	2269.0	2109.2	1736.5	1360.8
50°	2058.9	2144.7	2227.6	2464.2	2700.9	2647.6	2588.5	2484.9	2274.9	1822.3	1366.7
52.5°	2266.0	2348.8	2431.7	2677.2	2919.8	2869.5	2804.4	2712.7	2443.5	1914.0	1381.5
55°	2496.8	2585.5	2674.3	2934.6	3194.9	3109.1	3026.3	2967.1	2609.2	1990.9	1372.6
57.5°	2748.2	2860.6	2973.0	3212.7	3449.3	3357.6	3310.3	3233.4	2792.6	2082.6	1372.6
60°	2999.7	3135.7	3271.8	3481.9	3691.9	3617.9	3609.1	3502.6	2964.2	2150.6	1334.2
62.5°	3221.5	3425.7	3629.8	3795.4	3958.1	3887.1	3890.1	3765.8	3123.9	2165.4	1204.0
65°	3446.4	3709.6	3970.0	4091.3	4212.5	4162.3	4212.5	3990.7	3230.4	2106.3	982.1
67.5°	3668.2	3958.1	4248.0	4339.7	4431.5	4401.9	4461.0	4064.6	3206.7	1952.4	695.2
70°	3822.1	4129.7	4437.4	4484.7	4532.0	4526.1	4546.8	3972.9	3047.0	1754.2	458.5
72.5°	3904.9	4194.8	4481.7	4502.5	4520.2	4511.3	4425.5	3686.0	2760.0	1538.3	316.5
75°	3851.6	4132.7	4413.7	4372.3	4330.9	4248.0	3961.1	3174.2	2263.1	1248.4	233.7
77.5°	3567.6	3872.3	4177.0	4070.5	3961.1	3718.5	3236.3	2378.4	1573.8	878.6	180.5
80°	2677.2	3052.9	3428.6	3301.4	3171.2	2659.5	1970.2	1331.2	813.5	476.3	139.0
82.5°	1295.7	1505.7	1715.8	1683.2	1650.7	1221.8	852.0	479.2	233.7	171.6	109.5
85°	343.2	508.8	674.5	644.9	615.3	325.4	142.0	124.2	91.7	85.8	76.9
87.5°	41.4	47.3	50.3	35.5	17.7	14.8	14.8	8.9	8.9	11.8	11.8
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	961.4	961.4	961.4	961.4	961.4	961.4	961.4	961.4	961.4	961.4	961.4
2.5°	970.3	973.3	973.3	973.3	973.3	973.3	949.6	925.9	920.0	914.1	902.3
5°	934.8	905.2	884.5	863.8	863.8	860.8	869.7	878.6	884.5	887.5	890.4
7.5°	831.3	834.2	852.0	866.8	881.6	893.4	902.3	908.2	902.3	893.4	857.9
10°	680.4	683.4	698.1	710.0	730.7	748.4	798.7	846.1	902.3	958.5	973.3
12.5°	647.9	689.3	665.6	641.9	707.0	769.1	834.2	896.3	940.7	982.1	952.6
15°	659.7	612.4	621.2	630.1	710.0	789.9	742.5	692.2	810.6	928.9	955.5
17.5°	656.7	656.7	701.1	745.5	671.5	594.6	704.1	810.6	857.9	902.3	866.8
20°	701.1	615.3	647.9	677.4	736.6	792.8	745.5	698.1	715.9	733.6	849.0
22.5°	730.7	798.7	724.8	647.9	701.1	754.4	745.5	736.6	789.9	843.1	813.5
25°	763.2	656.7	710.0	760.3	701.1	639.0	686.3	730.7	715.9	701.1	792.8
27.5°	875.6	801.7	733.6	665.6	701.1	733.6	698.1	659.7	674.5	689.3	683.4
30°	1059.1	875.6	789.9	704.1	659.7	612.4	615.3	618.3	636.0	653.8	704.1
32.5°	1106.4	937.8	813.5	689.3	659.7	630.1	603.5	573.9	600.5	627.1	686.3
35°	1118.2	931.8	798.7	665.6	618.3	570.9	553.2	535.4	579.8	624.2	677.4
37.5°	1112.3	884.5	742.5	600.5	565.0	529.5	520.7	508.8	538.4	565.0	603.5
40°	1097.5	822.4	680.4	538.4	508.8	479.2	473.3	467.4	488.1	508.8	532.5
42.5°	1070.9	763.2	621.2	479.2	458.5	437.8	431.9	423.0	440.8	458.5	467.4
45°	1038.3	704.1	570.9	434.9	420.1	402.3	393.4	381.6	399.4	414.2	417.1
47.5°	1005.8	647.9	526.6	402.3	390.5	375.7	366.8	355.0	369.8	381.6	384.6
50°	979.2	588.7	479.2	369.8	357.9	346.1	337.2	328.4	343.2	355.0	355.0
52.5°	964.4	544.3	437.8	331.3	325.4	319.5	316.5	310.6	322.4	334.3	337.2
55°	928.9	482.2	390.5	295.8	298.8	298.8	295.8	289.9	313.6	334.3	343.2
57.5°	890.4	408.2	340.2	269.2	275.1	281.0	284.0	286.9	313.6	337.2	349.1
60°	840.1	346.1	295.8	245.5	254.4	260.3	275.1	286.9	310.6	334.3	340.2
62.5°	751.4	295.8	260.3	224.8	236.7	248.5	266.2	284.0	301.7	319.5	319.5
65°	621.2	257.4	233.7	207.1	224.8	239.6	260.3	281.0	295.8	307.7	304.7
67.5°	464.4	230.7	213.0	192.3	213.0	230.7	248.5	266.2	284.0	301.7	295.8
70°	334.3	207.1	195.2	180.5	198.2	216.0	233.7	251.5	269.2	286.9	284.0
72.5°	254.4	189.3	177.5	165.7	183.4	198.2	218.9	239.6	257.4	275.1	269.2
75°	204.1	171.6	162.7	150.9	168.6	186.4	207.1	224.8	242.6	260.3	254.4
77.5°	168.6	153.8	145.0	136.1	150.9	165.7	186.4	207.1	224.8	239.6	233.7
80°	136.1	130.2	124.2	115.4	133.1	147.9	168.6	186.4	201.2	216.0	207.1
82.5°	106.5	103.5	100.6	94.7	109.5	124.2	145.0	165.7	177.5	189.3	183.4
85°	79.9	79.9	76.9	74.0	85.8	94.7	106.5	115.4	127.2	136.1	130.2
87.5°	11.8	11.8	17.7	20.7	20.7	20.7	29.6	38.5	38.5	35.5	29.6
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°	961.4	961.4	961.4	961.4
2.5°	890.4	890.4	890.4	893.4
5°	893.4	896.3	896.3	902.3
7.5°	819.4	816.5	813.5	813.5
10°	985.1	991.0	994.0	999.9
12.5°	920.0	884.5	849.0	849.0
15°	982.1	988.1	991.0	996.9
17.5°	831.3	828.3	825.4	819.4
20°	961.4	967.3	970.3	970.3
22.5°	783.9	783.9	781.0	781.0
25°	884.5	884.5	884.5	890.4
27.5°	674.5	695.2	715.9	742.5
30°	754.4	757.3	760.3	760.3
32.5°	745.5	783.9	822.4	828.3
35°	730.7	730.7	727.7	730.7
37.5°	641.9	633.1	621.2	627.1
40°	553.2	532.5	511.8	508.8
42.5°	476.3	458.5	437.8	437.8
45°	420.1	408.2	393.4	387.5
47.5°	384.6	372.7	360.9	357.9
50°	352.0	340.2	328.4	328.4
52.5°	340.2	331.3	319.5	316.5
55°	352.0	334.3	316.5	310.6
57.5°	357.9	337.2	316.5	307.7
60°	343.2	331.3	316.5	304.7
62.5°	316.5	310.6	304.7	298.8
65°	298.8	298.8	295.8	289.9
67.5°	289.9	292.9	292.9	286.9
70°	278.1	284.0	286.9	281.0
72.5°	263.3	266.2	266.2	257.4
75°	245.5	242.6	239.6	233.7
77.5°	224.8	221.9	216.0	210.0
80°	198.2	195.2	192.3	183.4
82.5°	174.5	180.5	183.4	150.9
85°	121.3	109.5	97.6	79.9
87.5°	23.7	17.7	8.9	8.9
90°	0.0	0.0	0.0	0.0

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