

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: P559818

Luminaire Tested: **SDL-PA1-100-727-U-T3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559818
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-2)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-100-727-U-T3-HSS
Description: Springdale
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6398 lumens
Efficiency: N/A
Efficacy: 68.2 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): 93.8
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

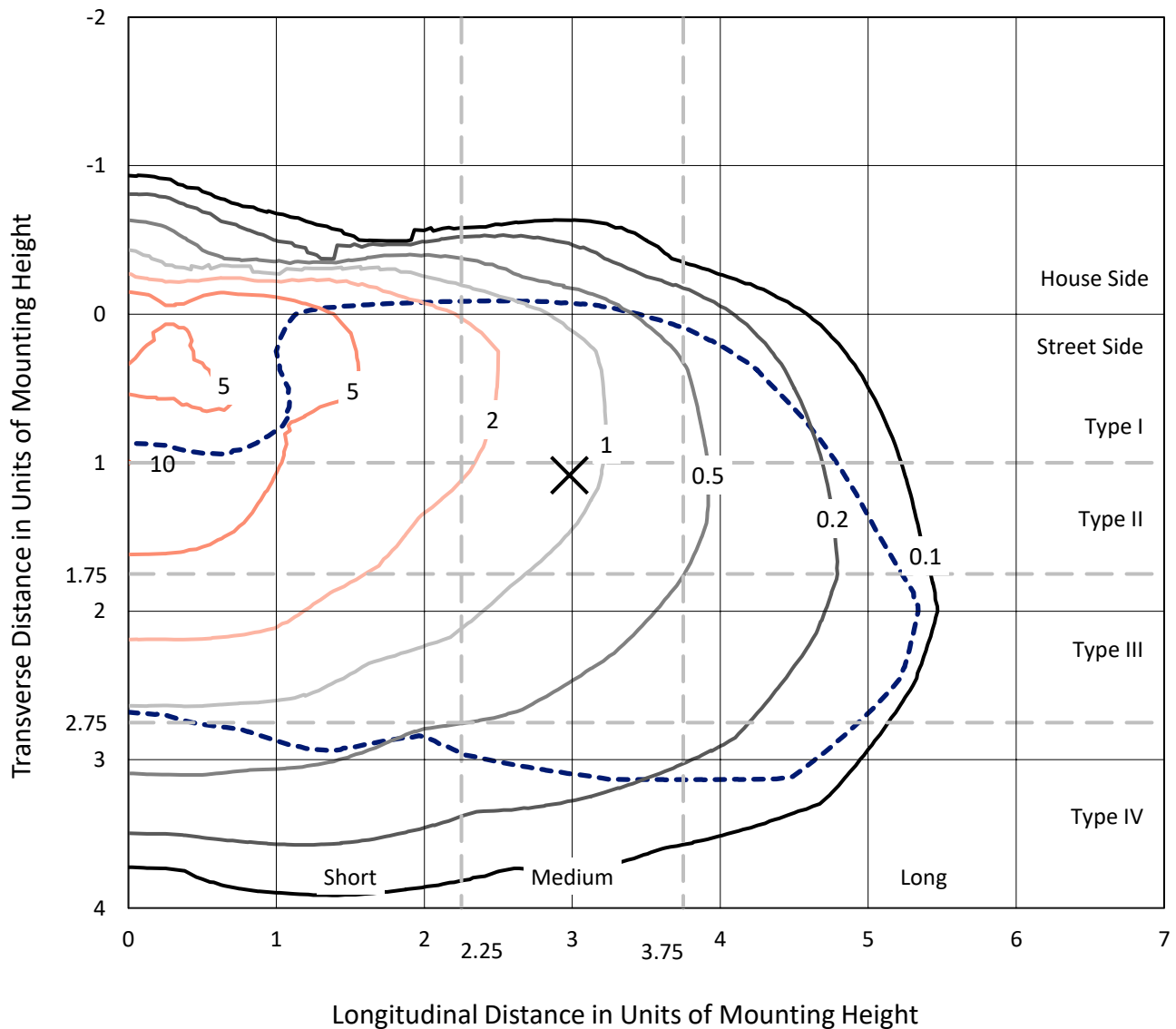


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

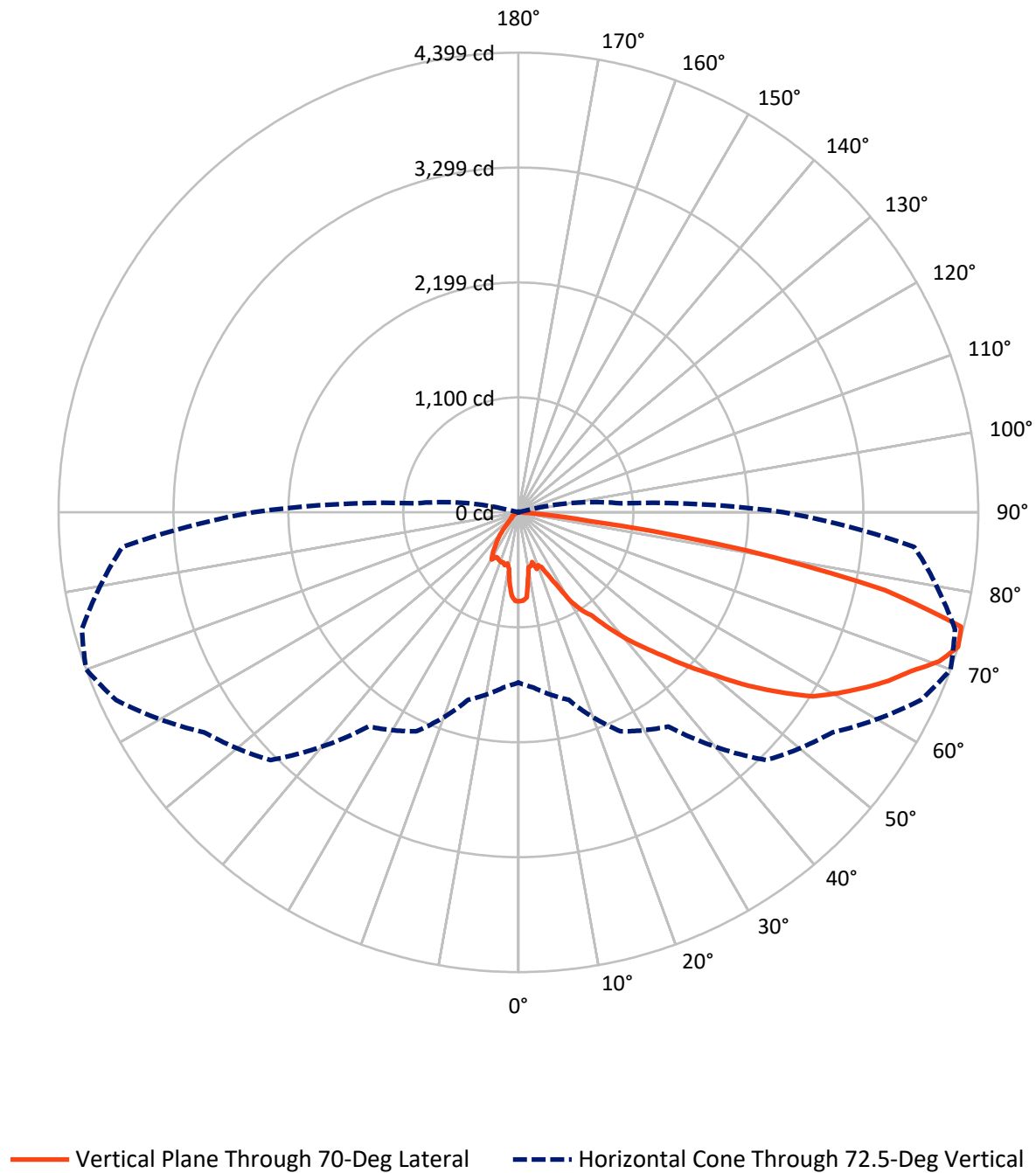


Based on 10 foot mounting height. Maximum calculated value = 10 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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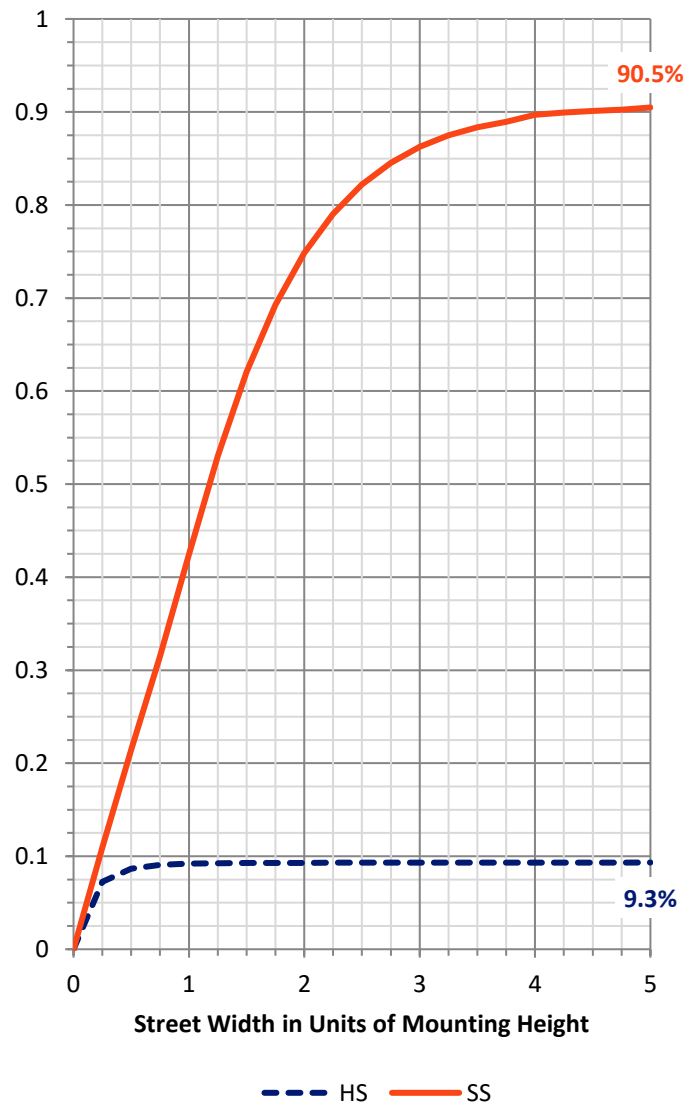
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	603.2	0.0	603.2
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	5794.8	0.0	5794.8
	% Fixture	90.6	0.0	90.6
Total	Lumens	6398.0	0.0	6398.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.5	1.0
10°-20°	131.0	2.0
20°-30°	213.5	3.3
30°-40°	455.5	7.1
40°-50°	877.6	13.7
50°-60°	1451.5	22.7
60°-70°	1776.7	27.8
70°-80°	1301.7	20.3
80°-90°	125.0	2.0
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°	6398.0	100.0
0°-180°	6398.0	100.0

Coefficient of Utilization



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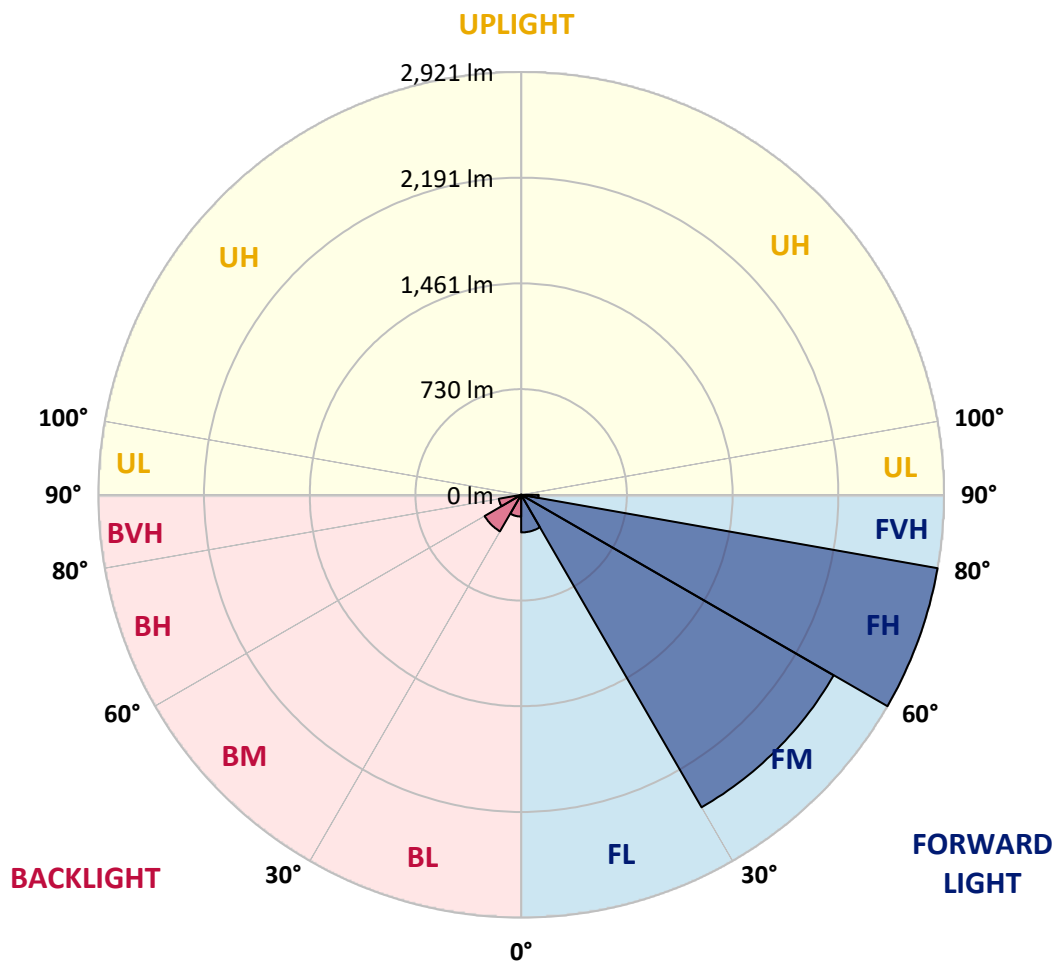
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	259.8	4.1			
FM	(30°-60°)	2493.1	39.0			
FH	(60°-80°)	2921.3	45.7			G2/5000
FVH	(80°-90°)	120.6	1.9			G2/225
BL	(0°-30°)	150.2	2.3	B1/500		
BM	(30°-60°)	291.5	4.6	B1/1000		
BH	(60°-80°)	157.1	2.5	B1/500		G1/500
BVH	(80°-90°)	4.4	0.1			G0/10
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°	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4
2.5°	757.2	779.2	791.7	804.3	801.2	798.0	804.3	810.6	823.2	832.6	838.9
5°	681.8	681.8	681.8	681.8	684.9	684.9	684.9	684.9	688.1	691.2	694.3
7.5°	590.7	603.2	609.5	615.8	631.5	644.1	656.6	669.2	675.5	678.6	681.8
10°	640.9	640.9	640.9	640.9	644.1	644.1	603.2	559.2	562.4	565.5	546.7
12.5°	531.0	527.8	562.4	593.8	615.8	634.6	612.7	587.5	549.8	509.0	502.7
15°	625.2	625.2	625.2	625.2	581.2	537.3	505.8	474.4	499.6	521.5	471.3
17.5°	493.3	505.8	543.5	581.2	581.2	581.2	553.0	524.7	471.3	414.7	474.4
20°	612.7	612.7	612.7	609.5	537.3	465.0	490.1	512.1	534.1	556.1	546.7
22.5°	509.0	502.7	512.1	521.5	543.5	562.4	499.6	433.6	505.8	575.0	540.4
25°	644.1	644.1	647.2	647.2	578.1	509.0	549.8	587.5	534.1	480.7	565.5
27.5°	581.2	562.4	559.2	553.0	575.0	593.8	565.5	537.3	596.9	656.6	628.4
30°	807.4	807.4	785.5	763.5	678.6	590.7	600.1	606.4	606.4	606.4	669.2
32.5°	1121.6	1124.8	1039.9	952.0	876.6	798.0	728.9	656.6	694.3	732.0	772.9
35°	1511.2	1520.6	1460.9	1398.1	1212.7	1027.4	911.1	794.9	791.7	785.5	845.2
37.5°	1790.8	1809.7	1762.6	1715.4	1495.5	1275.6	1109.1	942.5	926.8	908.0	930.0
40°	2054.8	2042.2	2013.9	1982.5	1750.0	1514.4	1332.1	1146.8	1105.9	1061.9	1065.1
42.5°	2397.2	2359.5	2287.2	2215.0	1991.9	1768.8	1574.1	1379.3	1313.3	1247.3	1234.7
45°	2840.2	2777.4	2673.7	2566.9	2346.9	2127.0	1888.2	1646.3	1564.6	1479.8	1460.9
47.5°	3066.4	3022.4	2956.5	2887.3	2661.1	2434.9	2205.6	1973.1	1860.0	1743.7	1712.3
50°	3333.5	3276.9	3232.9	3185.8	2991.0	2793.1	2579.4	2362.7	2211.8	2061.0	2007.6
52.5°	3588.0	3493.7	3452.9	3408.9	3254.9	3097.8	2874.8	2651.7	2554.3	2453.8	2324.9
55°	3679.1	3588.0	3569.1	3550.3	3440.3	3330.3	3126.1	2921.9	2808.8	2692.5	2588.9
57.5°	3481.1	3493.7	3550.3	3606.8	3544.0	3481.1	3314.6	3145.0	3019.3	2893.6	2833.9
60°	3346.0	3374.3	3459.1	3544.0	3544.0	3544.0	3452.9	3361.8	3242.4	3123.0	3082.1
62.5°	3129.3	3163.8	3292.6	3421.4	3503.1	3584.8	3487.4	3390.0	3349.2	3305.2	3267.5
65°	2843.4	2852.8	2997.3	3141.8	3311.5	3478.0	3386.9	3292.6	3371.2	3449.7	3412.0
67.5°	2513.5	2529.2	2664.3	2796.2	2997.3	3198.4	3173.2	3145.0	3317.8	3490.6	3487.4
70°	2120.7	2149.0	2265.3	2378.4	2604.6	2827.6	2852.8	2877.9	3176.4	3471.7	3528.3
72.5°	1627.5	1684.0	1772.0	1856.8	2086.2	2312.4	2406.6	2500.9	2928.2	3352.3	3512.6
75°	540.4	578.1	823.2	1065.1	1297.6	1530.1	1737.4	1941.6	2475.8	3006.7	3339.8
77.5°	157.1	163.4	210.5	254.5	436.7	615.8	829.4	1039.9	1561.5	2079.9	2632.8
80°	81.7	84.8	94.3	103.7	150.8	197.9	285.9	370.7	609.5	848.3	1429.5
82.5°	56.6	56.6	66.0	72.3	91.1	110.0	157.1	204.2	223.1	241.9	575.0
85°	18.9	18.9	25.1	31.4	44.0	56.6	84.8	110.0	110.0	106.8	153.9
87.5°	3.1	3.1	6.3	9.4	15.7	18.9	15.7	12.6	9.4	6.3	12.6
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4
2.5°	842.0	845.2	845.2	845.2	848.3	848.3	848.3	848.3	845.2	848.3	848.3
5°	694.3	750.9	804.3	820.0	829.4	832.6	832.6	832.6	829.4	829.4	829.4
7.5°	684.9	681.8	678.6	653.5	713.2	725.8	735.2	732.0	732.0	716.3	697.5
10°	527.8	527.8	527.8	534.1	568.7	609.5	650.4	650.4	650.4	603.2	556.1
12.5°	493.3	512.1	527.8	527.8	471.3	518.4	565.5	565.5	565.5	518.4	468.1
15°	421.0	443.0	461.8	493.3	587.5	644.1	700.6	700.6	697.5	644.1	587.5
17.5°	531.0	524.7	515.3	571.8	537.3	546.7	556.1	527.8	568.7	553.0	537.3
20°	537.3	480.7	421.0	540.4	662.9	716.3	769.7	772.9	763.5	703.8	640.9
22.5°	505.8	578.1	647.2	571.8	590.7	578.1	562.4	556.1	556.1	553.0	549.8
25°	647.2	578.1	509.0	669.2	782.3	820.0	857.7	848.3	835.7	750.9	666.1
27.5°	596.9	666.1	732.0	794.9	851.4	886.0	920.6	1018.0	886.0	788.6	688.1
30°	728.9	813.7	895.4	986.5	1159.3	1209.6	1259.9	1234.7	1203.3	1014.8	826.3
32.5°	810.6	945.7	1077.6	1118.5	1222.2	1269.3	1313.3	1291.3	1253.6	1005.4	757.2
35°	901.7	1027.4	1149.9	1215.9	1341.6	1379.3	1413.8	1379.3	1338.4	996.0	653.5
37.5°	952.0	1121.6	1288.1	1401.3	1508.1	1517.5	1523.8	1492.4	1439.0	996.0	553.0
40°	1068.2	1250.4	1429.5	1592.9	1677.7	1680.9	1684.0	1633.7	1536.4	986.5	433.6
42.5°	1222.2	1407.5	1589.8	1768.8	1882.0	1872.5	1860.0	1790.8	1630.6	970.8	311.0
45°	1442.1	1605.5	1768.8	1969.9	2108.2	2083.0	2054.8	1951.1	1696.6	955.1	210.5
47.5°	1677.7	1806.5	1932.2	2208.7	2384.6	2331.2	2274.7	2123.9	1743.7	948.8	150.8
50°	1951.1	2054.8	2158.4	2460.0	2670.6	2570.0	2469.5	2296.7	1762.6	942.5	119.4
52.5°	2193.0	2299.8	2403.5	2755.4	2915.6	2802.5	2689.4	2431.8	1753.1	930.0	103.7
55°	2482.0	2576.3	2670.6	3038.1	3167.0	3016.2	2862.2	2529.2	1706.0	901.7	94.3
57.5°	2771.1	2868.5	2962.7	3320.9	3358.6	3210.9	3060.1	2623.4	1658.9	873.4	84.8
60°	3041.3	3151.2	3261.2	3512.6	3540.8	3408.9	3276.9	2714.5	1583.5	829.4	75.4
62.5°	3229.8	3380.6	3531.4	3701.1	3713.6	3594.2	3471.7	2783.7	1486.1	779.2	69.1
65°	3371.2	3578.5	3782.8	3886.4	3880.2	3795.3	3710.5	2843.4	1407.5	732.0	56.6
67.5°	3481.1	3732.5	3983.8	4053.0	4068.7	3990.1	3911.6	2852.8	1310.1	678.6	44.0
70°	3584.8	3861.3	4137.8	4269.7	4238.3	4115.8	3993.3	2780.5	1178.2	606.4	31.4
72.5°	3669.7	3958.7	4247.7	4398.6	4323.2	4062.4	3801.6	2535.5	986.5	505.8	22.0
75°	3669.7	3958.7	4244.6	4373.4	4115.8	3597.4	3075.8	1888.2	578.1	298.5	18.9
77.5°	3185.8	3396.3	3606.8	3588.0	3135.5	2491.5	1844.3	1087.1	194.8	106.8	15.7
80°	2010.8	2149.0	2287.2	2218.1	1602.3	1149.9	694.3	364.5	69.1	40.8	12.6
82.5°	908.0	892.3	876.6	675.5	314.2	210.5	103.7	62.8	18.9	12.6	6.3
85°	201.1	194.8	188.5	138.2	94.3	62.8	31.4	18.9	9.4	9.4	6.3
87.5°	18.9	22.0	22.0	15.7	15.7	12.6	6.3	6.3	6.3	6.3	6.3
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4	851.4
2.5°	848.3	848.3	848.3	845.2	845.2	845.2	823.2	798.0	782.3	763.5	754.0
5°	801.2	772.9	738.3	703.8	697.5	688.1	691.2	691.2	694.3	694.3	694.3
7.5°	681.8	666.1	672.4	678.6	678.6	678.6	678.6	675.5	672.4	669.2	637.8
10°	543.5	531.0	531.0	531.0	540.4	546.7	531.0	512.1	540.4	565.5	559.2
12.5°	499.6	531.0	490.1	446.1	452.4	455.6	455.6	452.4	439.9	427.3	383.3
15°	521.5	455.6	417.9	377.0	377.0	377.0	304.8	232.5	216.8	201.1	204.2
17.5°	499.6	461.8	417.9	370.7	279.6	185.4	175.9	163.4	163.4	163.4	166.5
20°	502.7	364.5	307.9	251.3	201.1	147.7	138.2	125.7	119.4	110.0	128.8
22.5°	493.3	433.6	295.3	157.1	138.2	119.4	110.0	97.4	113.1	128.8	128.8
25°	477.6	285.9	213.6	138.2	116.2	94.3	106.8	116.2	110.0	100.5	116.2
27.5°	480.7	270.2	185.4	100.5	106.8	110.0	103.7	94.3	103.7	110.0	103.7
30°	518.4	210.5	157.1	100.5	97.4	91.1	94.3	97.4	94.3	88.0	94.3
32.5°	461.8	166.5	132.0	94.3	91.1	88.0	84.8	81.7	84.8	84.8	84.8
35°	389.6	125.7	106.8	88.0	81.7	75.4	75.4	72.3	72.3	72.3	72.3
37.5°	329.9	106.8	94.3	78.5	72.3	66.0	62.8	56.6	56.6	53.4	53.4
40°	267.1	97.4	84.8	69.1	62.8	53.4	50.3	44.0	44.0	40.8	40.8
42.5°	201.1	88.0	75.4	59.7	53.4	44.0	37.7	31.4	31.4	28.3	28.3
45°	144.5	78.5	66.0	50.3	44.0	34.6	28.3	22.0	22.0	18.9	18.9
47.5°	113.1	72.3	59.7	44.0	34.6	25.1	22.0	15.7	15.7	15.7	15.7
50°	91.1	62.8	50.3	34.6	25.1	15.7	12.6	9.4	9.4	9.4	9.4
52.5°	81.7	56.6	44.0	28.3	22.0	12.6	9.4	6.3	9.4	9.4	9.4
55°	72.3	50.3	37.7	22.0	15.7	9.4	9.4	6.3	9.4	9.4	9.4
57.5°	66.0	44.0	31.4	15.7	12.6	6.3	6.3	3.1	6.3	6.3	6.3
60°	56.6	37.7	25.1	12.6	9.4	3.1	3.1	3.1	6.3	6.3	6.3
62.5°	50.3	31.4	22.0	9.4	6.3	3.1	3.1	3.1	6.3	6.3	6.3
65°	40.8	22.0	15.7	6.3	6.3	3.1	3.1	3.1	6.3	6.3	6.3
67.5°	31.4	15.7	12.6	6.3	6.3	3.1	3.1	3.1	6.3	6.3	3.1
70°	22.0	12.6	9.4	3.1	3.1	3.1	3.1	3.1	6.3	6.3	3.1
72.5°	15.7	9.4	6.3	3.1	3.1	0.0	3.1	3.1	6.3	6.3	6.3
75°	15.7	9.4	6.3	3.1	3.1	0.0	3.1	6.3	6.3	6.3	6.3
77.5°	12.6	6.3	6.3	3.1	3.1	0.0	3.1	6.3	6.3	6.3	6.3
80°	9.4	6.3	6.3	3.1	3.1	0.0	6.3	9.4	9.4	9.4	6.3
82.5°	6.3	6.3	6.3	3.1	3.1	0.0	6.3	9.4	9.4	9.4	6.3
85°	6.3	6.3	6.3	6.3	3.1	0.0	6.3	9.4	9.4	9.4	9.4
87.5°	6.3	6.3	6.3	6.3	6.3	3.1	9.4	12.6	12.6	9.4	9.4
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):

	165°	170°	175°	180°
0°	851.4	851.4	851.4	851.4
2.5°	741.5	741.5	738.3	747.8
5°	694.3	694.3	694.3	697.5
7.5°	603.2	581.2	559.2	562.4
10°	549.8	543.5	534.1	540.4
12.5°	339.3	320.5	298.5	289.0
15°	207.4	207.4	207.4	204.2
17.5°	169.7	157.1	141.4	144.5
20°	147.7	150.8	153.9	153.9
22.5°	128.8	122.5	116.2	116.2
25°	128.8	128.8	128.8	128.8
27.5°	97.4	97.4	94.3	94.3
30°	100.5	100.5	97.4	94.3
32.5°	81.7	81.7	81.7	81.7
35°	69.1	66.0	62.8	62.8
37.5°	53.4	50.3	47.1	47.1
40°	37.7	37.7	34.6	34.6
42.5°	28.3	28.3	25.1	25.1
45°	18.9	18.9	18.9	18.9
47.5°	12.6	12.6	12.6	12.6
50°	9.4	9.4	9.4	9.4
52.5°	9.4	9.4	6.3	6.3
55°	6.3	6.3	6.3	6.3
57.5°	6.3	6.3	6.3	6.3
60°	6.3	6.3	3.1	3.1
62.5°	3.1	3.1	3.1	3.1
65°	3.1	3.1	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	3.1	3.1	0.0	0.0
75°	3.1	3.1	0.0	0.0
77.5°	3.1	3.1	0.0	0.0
80°	3.1	3.1	0.0	0.0
82.5°	3.1	3.1	3.1	0.0
85°	6.3	6.3	3.1	0.0
87.5°	6.3	6.3	3.1	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)