

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: P559928

Luminaire Tested: **SDL-PA1-100-827-U-T3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559928
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-PA1-100-827-U-T3-HSS
Description: Springdale
(1) 80 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: 5623.9 lumens
Efficiency: N/A
Efficacy: 60.0 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

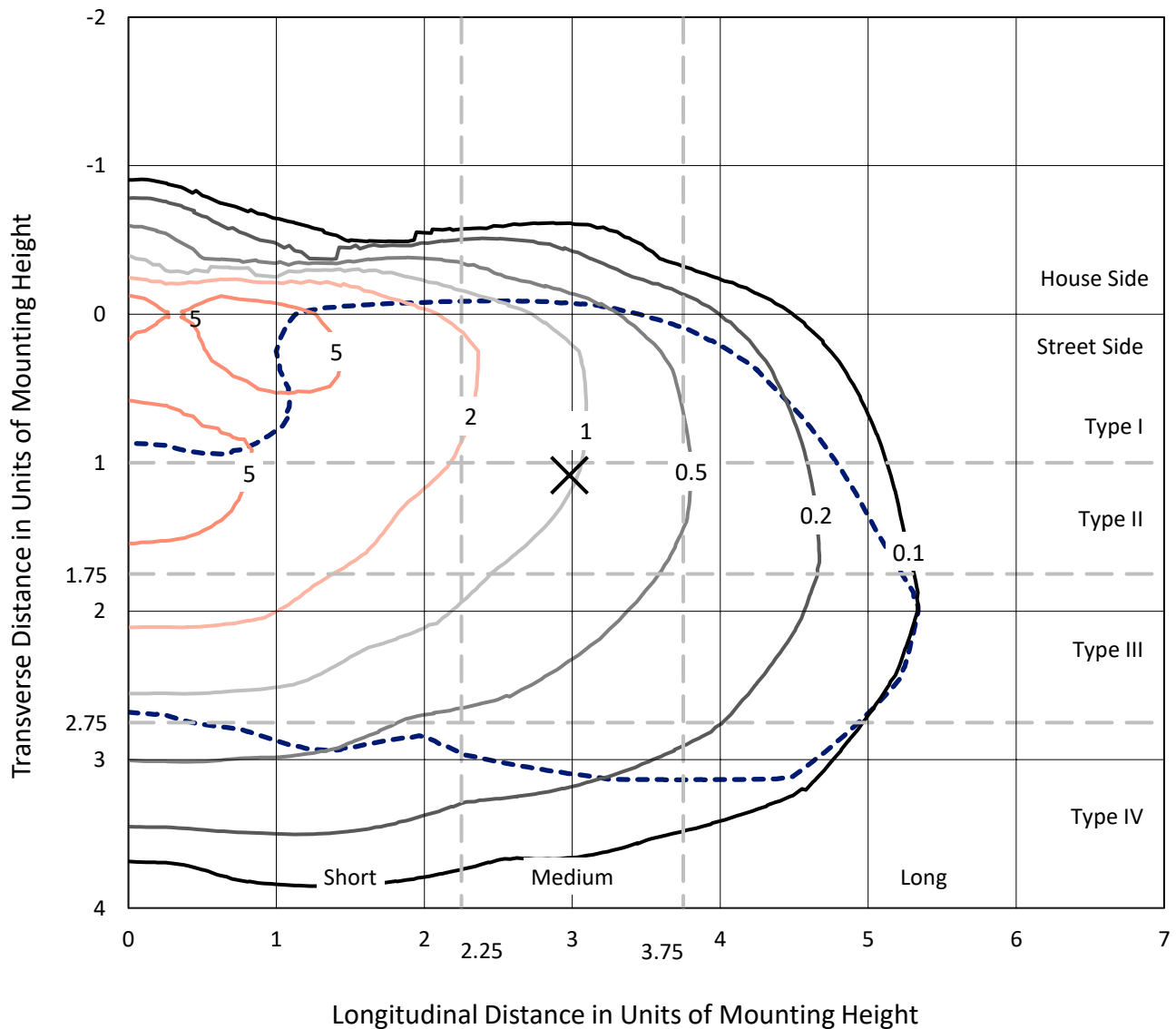


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

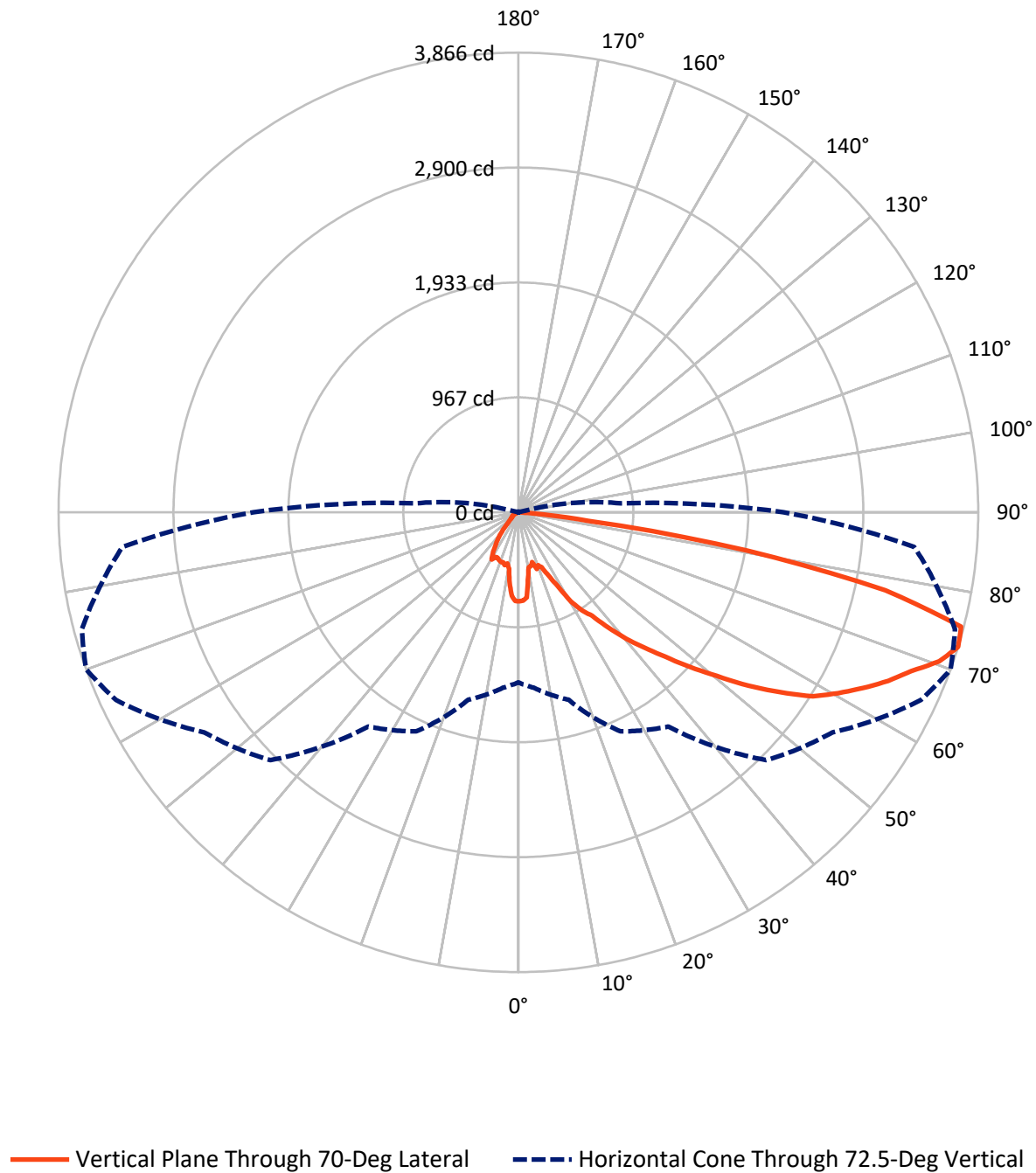


Based on 10 foot mounting height. Maximum calculated value = 8.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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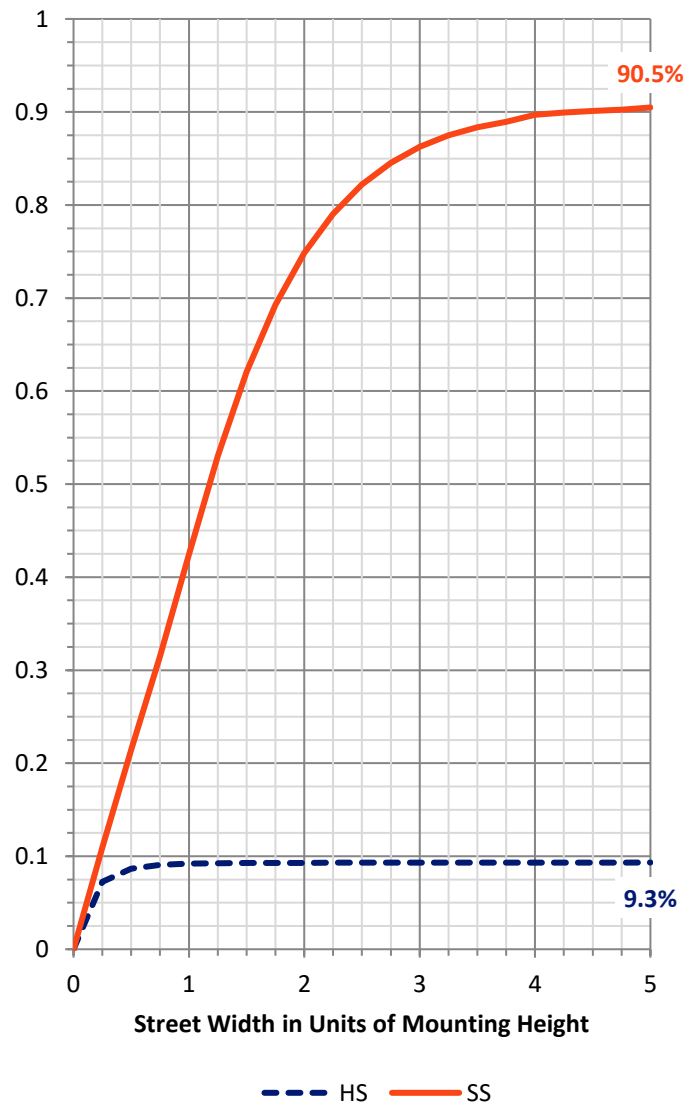
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	530.2	0.0	530.2
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	5093.7	0.0	5093.7
	% Fixture	90.6	0.0	90.6
Total	Lumens	5623.9	0.0	5623.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.6	1.0
10°-20°	115.1	2.0
20°-30°	187.6	3.3
30°-40°	400.4	7.1
40°-50°	771.5	13.7
50°-60°	1275.9	22.7
60°-70°	1561.8	27.8
70°-80°	1144.2	20.3
80°-90°	109.9	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°	5623.9	100.0
0°-180°	5623.9	100.0

Coefficient of Utilization



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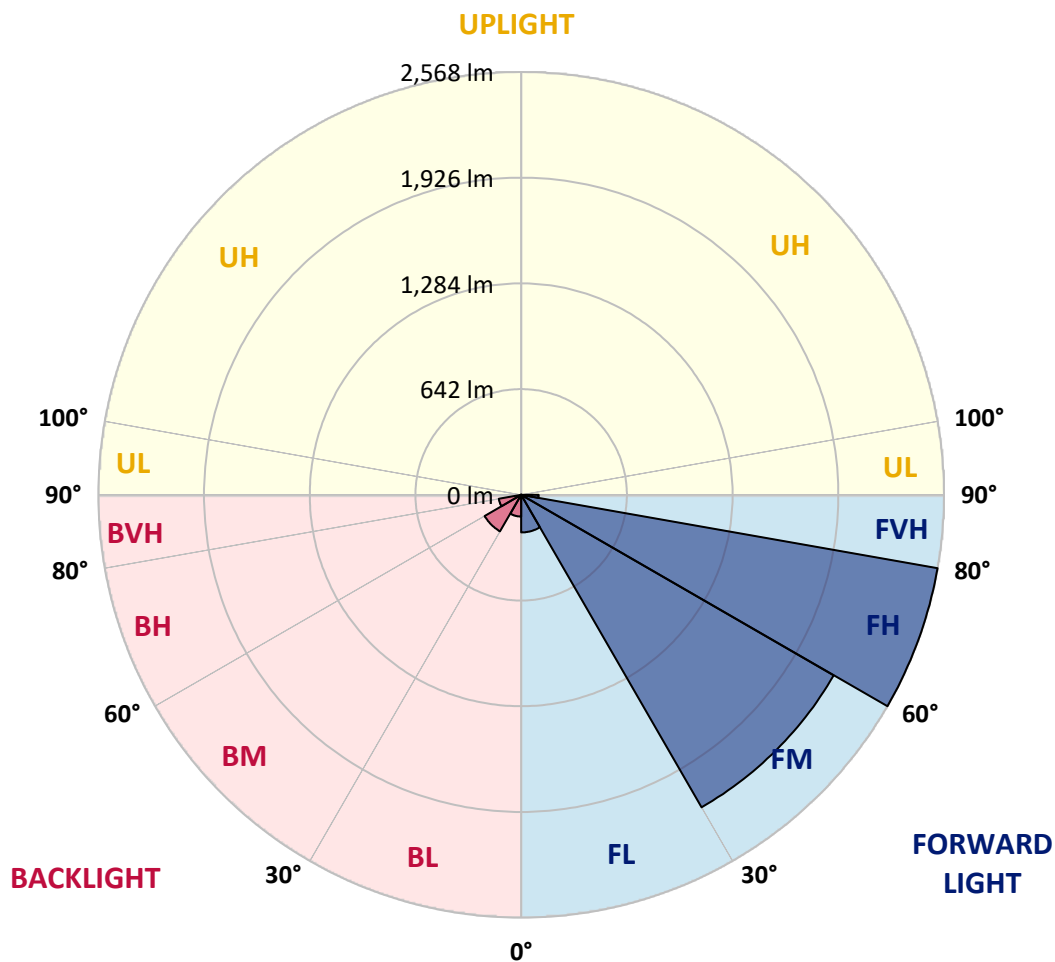
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	228.3	4.1			
FM	(30°-60°)	2191.5	39.0			
FH	(60°-80°)	2567.8	45.7			G2/5000
FVH	(80°-90°)	106.0	1.9			G2/225
BL	(0°-30°)	132.0	2.3	B1/500		
BM	(30°-60°)	256.2	4.6	B1/1000		
BH	(60°-80°)	138.1	2.5	B1/500		G1/500
BVH	(80°-90°)	3.9	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°	748.4	748.4	748.4	748.4	748.4	748.4	748.4	748.4	748.4	748.4	748.4
2.5°	665.6	684.9	695.9	707.0	704.2	701.5	707.0	712.5	723.6	731.8	737.4
5°	599.3	599.3	599.3	599.3	602.0	602.0	602.0	602.0	604.8	607.6	610.3
7.5°	519.2	530.2	535.8	541.3	555.1	566.1	577.2	588.2	593.8	596.5	599.3
10°	563.4	563.4	563.4	563.4	566.1	566.1	530.2	491.6	494.3	497.1	480.5
12.5°	466.7	464.0	494.3	522.0	541.3	557.9	538.5	516.4	483.3	447.4	441.9
15°	549.6	549.6	549.6	549.6	510.9	472.2	444.6	417.0	439.1	458.4	414.3
17.5°	433.6	444.6	477.8	510.9	510.9	510.9	486.1	461.2	414.3	364.5	417.0
20°	538.5	538.5	538.5	535.8	472.2	408.7	430.8	450.2	469.5	488.8	480.5
22.5°	447.4	441.9	450.2	458.4	477.8	494.3	439.1	381.1	444.6	505.4	475.0
25°	566.1	566.1	568.9	568.9	508.1	447.4	483.3	516.4	469.5	422.5	497.1
27.5°	510.9	494.3	491.6	486.1	505.4	522.0	497.1	472.2	524.7	577.2	552.3
30°	709.8	709.8	690.4	671.1	596.5	519.2	527.5	533.0	533.0	533.0	588.2
32.5°	985.9	988.7	914.1	836.8	770.5	701.5	640.7	577.2	610.3	643.5	679.4
35°	1328.4	1336.7	1284.2	1228.9	1066.0	903.1	800.9	698.7	695.9	690.4	742.9
37.5°	1574.2	1590.7	1549.3	1507.9	1314.6	1121.2	974.9	828.5	814.7	798.1	817.5
40°	1806.1	1795.1	1770.2	1742.6	1538.3	1331.1	1171.0	1008.0	972.1	933.4	936.2
42.5°	2107.2	2074.0	2010.5	1947.0	1750.9	1554.8	1383.6	1212.4	1154.4	1096.4	1085.3
45°	2496.6	2441.3	2350.2	2256.3	2063.0	1869.7	1659.8	1447.1	1375.3	1300.7	1284.2
47.5°	2695.4	2656.7	2598.7	2538.0	2339.1	2140.3	1938.7	1734.3	1634.9	1532.7	1505.1
50°	2930.1	2880.4	2841.8	2800.3	2629.1	2455.1	2267.3	2076.8	1944.2	1811.7	1764.7
52.5°	3153.8	3071.0	3035.1	2996.4	2861.1	2723.0	2526.9	2330.9	2245.2	2156.9	2043.6
55°	3233.9	3153.8	3137.3	3120.7	3024.0	2927.4	2747.9	2568.4	2468.9	2366.8	2275.6
57.5°	3059.9	3071.0	3120.7	3170.4	3115.2	3059.9	2913.6	2764.4	2654.0	2543.5	2491.0
60°	2941.2	2966.0	3040.6	3115.2	3115.2	3115.2	3035.1	2955.0	2850.0	2745.1	2709.2
62.5°	2750.6	2781.0	2894.2	3007.5	3079.3	3151.1	3065.5	2979.8	2943.9	2905.3	2872.1
65°	2499.3	2507.6	2634.6	2761.7	2910.8	3057.2	2977.1	2894.2	2963.3	3032.3	2999.2
67.5°	2209.3	2223.1	2341.9	2457.9	2634.6	2811.4	2789.3	2764.4	2916.3	3068.2	3065.5
70°	1864.1	1889.0	1991.2	2090.6	2289.4	2485.5	2507.6	2529.7	2792.1	3051.7	3101.4
72.5°	1430.5	1480.3	1557.6	1632.1	1833.8	2032.6	2115.4	2198.3	2573.9	2946.7	3087.6
75°	475.0	508.1	723.6	936.2	1140.6	1344.9	1527.2	1706.7	2176.2	2642.9	2935.7
77.5°	138.1	143.6	185.0	223.7	383.9	541.3	729.1	914.1	1372.6	1828.2	2314.3
80°	71.8	74.6	82.9	91.1	132.6	174.0	251.3	325.9	535.8	745.7	1256.6
82.5°	49.7	49.7	58.0	63.5	80.1	96.7	138.1	179.5	196.1	212.6	505.4
85°	16.6	16.6	22.1	27.6	38.7	49.7	74.6	96.7	96.7	93.9	135.3
87.5°	2.8	2.8	5.5	8.3	13.8	16.6	13.8	11.0	8.3	5.5	11.0
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°	748.4	748.4	748.4	748.4	748.4	748.4	748.4	748.4	748.4	748.4	748.4
2.5°	740.1	742.9	742.9	742.9	745.7	745.7	745.7	745.7	742.9	745.7	745.7
5°	610.3	660.0	707.0	720.8	729.1	731.8	731.8	731.8	729.1	729.1	729.1
7.5°	602.0	599.3	596.5	574.4	626.9	637.9	646.2	643.5	643.5	629.7	613.1
10°	464.0	464.0	464.0	469.5	499.9	535.8	571.7	571.7	571.7	530.2	488.8
12.5°	433.6	450.2	464.0	464.0	414.3	455.7	497.1	497.1	497.1	455.7	411.5
15°	370.1	389.4	406.0	433.6	516.4	566.1	615.9	615.9	613.1	566.1	516.4
17.5°	466.7	461.2	452.9	502.6	472.2	480.5	488.8	464.0	499.9	486.1	472.2
20°	472.2	422.5	370.1	475.0	582.7	629.7	676.6	679.4	671.1	618.6	563.4
22.5°	444.6	508.1	568.9	502.6	519.2	508.1	494.3	488.8	488.8	486.1	483.3
25°	568.9	508.1	447.4	588.2	687.7	720.8	753.9	745.7	734.6	660.0	585.5
27.5°	524.7	585.5	643.5	698.7	748.4	778.8	809.2	894.8	778.8	693.2	604.8
30°	640.7	715.3	787.1	867.2	1019.1	1063.2	1107.4	1085.3	1057.7	892.0	726.3
32.5°	712.5	831.3	947.3	983.2	1074.3	1115.7	1154.4	1135.0	1101.9	883.7	665.6
35°	792.6	903.1	1010.8	1068.8	1179.2	1212.4	1242.8	1212.4	1176.5	875.5	574.4
37.5°	836.8	985.9	1132.3	1231.7	1325.6	1333.9	1339.4	1311.8	1264.8	875.5	486.1
40°	939.0	1099.1	1256.6	1400.2	1474.7	1477.5	1480.3	1436.1	1350.5	867.2	381.1
42.5°	1074.3	1237.2	1397.4	1554.8	1654.2	1646.0	1634.9	1574.2	1433.3	853.4	273.4
45°	1267.6	1411.2	1554.8	1731.6	1853.1	1831.0	1806.1	1715.0	1491.3	839.5	185.0
47.5°	1474.7	1588.0	1698.4	1941.5	2096.1	2049.2	1999.5	1866.9	1532.7	834.0	132.6
50°	1715.0	1806.1	1897.3	2162.4	2347.4	2259.0	2170.7	2018.8	1549.3	828.5	104.9
52.5°	1927.6	2021.5	2112.7	2422.0	2562.8	2463.4	2364.0	2137.5	1541.0	817.5	91.1
55°	2181.7	2264.6	2347.4	2670.5	2783.8	2651.2	2515.9	2223.1	1499.6	792.6	82.9
57.5°	2435.8	2521.4	2604.3	2919.1	2952.2	2822.4	2689.9	2306.0	1458.2	767.7	74.6
60°	2673.3	2770.0	2866.6	3087.6	3112.4	2996.4	2880.4	2386.1	1391.9	729.1	66.3
62.5°	2839.0	2971.6	3104.1	3253.3	3264.3	3159.4	3051.7	2446.8	1306.3	684.9	60.8
65°	2963.3	3145.5	3325.1	3416.2	3410.7	3336.1	3261.5	2499.3	1237.2	643.5	49.7
67.5°	3059.9	3280.9	3501.8	3562.6	3576.4	3507.3	3438.3	2507.6	1151.6	596.5	38.7
70°	3151.1	3394.1	3637.1	3753.1	3725.5	3617.8	3510.1	2444.1	1035.6	533.0	27.6
72.5°	3225.6	3479.7	3733.8	3866.3	3800.1	3570.8	3341.6	2228.7	867.2	444.6	19.3
75°	3225.6	3479.7	3731.0	3844.3	3617.8	3162.1	2703.7	1659.8	508.1	262.4	16.6
77.5°	2800.3	2985.4	3170.4	3153.8	2756.2	2190.0	1621.1	955.5	171.2	93.9	13.8
80°	1767.5	1889.0	2010.5	1949.7	1408.5	1010.8	610.3	320.4	60.8	35.9	11.0
82.5°	798.1	784.3	770.5	593.8	276.2	185.0	91.1	55.2	16.6	11.0	5.5
85°	176.7	171.2	165.7	121.5	82.9	55.2	27.6	16.6	8.3	8.3	5.5
87.5°	16.6	19.3	19.3	13.8	13.8	11.0	5.5	5.5	5.5	5.5	5.5
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	748.4	748.4	748.4	748.4	748.4	748.4	748.4	748.4	748.4	748.4	748.4
2.5°	745.7	745.7	745.7	742.9	742.9	742.9	723.6	701.5	687.7	671.1	662.8
5°	704.2	679.4	649.0	618.6	613.1	604.8	607.6	607.6	610.3	610.3	610.3
7.5°	599.3	585.5	591.0	596.5	596.5	596.5	596.5	593.8	591.0	588.2	560.6
10°	477.8	466.7	466.7	466.7	475.0	480.5	466.7	450.2	475.0	497.1	491.6
12.5°	439.1	466.7	430.8	392.2	397.7	400.4	400.4	397.7	386.6	375.6	336.9
15°	458.4	400.4	367.3	331.4	331.4	331.4	267.9	204.4	190.6	176.7	179.5
17.5°	439.1	406.0	367.3	325.9	245.8	162.9	154.7	143.6	143.6	143.6	146.4
20°	441.9	320.4	270.6	220.9	176.7	129.8	121.5	110.5	104.9	96.7	113.2
22.5°	433.6	381.1	259.6	138.1	121.5	104.9	96.7	85.6	99.4	113.2	113.2
25°	419.8	251.3	187.8	121.5	102.2	82.9	93.9	102.2	96.7	88.4	102.2
27.5°	422.5	237.5	162.9	88.4	93.9	96.7	91.1	82.9	91.1	96.7	91.1
30°	455.7	185.0	138.1	88.4	85.6	80.1	82.9	85.6	82.9	77.3	82.9
32.5°	406.0	146.4	116.0	82.9	80.1	77.3	74.6	71.8	74.6	74.6	74.6
35°	342.4	110.5	93.9	77.3	71.8	66.3	66.3	63.5	63.5	63.5	63.5
37.5°	290.0	93.9	82.9	69.0	63.5	58.0	55.2	49.7	49.7	46.9	46.9
40°	234.7	85.6	74.6	60.8	55.2	46.9	44.2	38.7	38.7	35.9	35.9
42.5°	176.7	77.3	66.3	52.5	46.9	38.7	33.1	27.6	27.6	24.9	24.9
45°	127.0	69.0	58.0	44.2	38.7	30.4	24.9	19.3	19.3	16.6	16.6
47.5°	99.4	63.5	52.5	38.7	30.4	22.1	19.3	13.8	13.8	13.8	13.8
50°	80.1	55.2	44.2	30.4	22.1	13.8	11.0	8.3	8.3	8.3	8.3
52.5°	71.8	49.7	38.7	24.9	19.3	11.0	8.3	5.5	8.3	8.3	8.3
55°	63.5	44.2	33.1	19.3	13.8	8.3	8.3	5.5	8.3	8.3	8.3
57.5°	58.0	38.7	27.6	13.8	11.0	5.5	5.5	2.8	5.5	5.5	5.5
60°	49.7	33.1	22.1	11.0	8.3	2.8	2.8	2.8	5.5	5.5	5.5
62.5°	44.2	27.6	19.3	8.3	5.5	2.8	2.8	2.8	5.5	5.5	5.5
65°	35.9	19.3	13.8	5.5	5.5	2.8	2.8	2.8	5.5	5.5	5.5
67.5°	27.6	13.8	11.0	5.5	5.5	2.8	2.8	2.8	5.5	5.5	2.8
70°	19.3	11.0	8.3	2.8	2.8	2.8	2.8	2.8	5.5	5.5	2.8
72.5°	13.8	8.3	5.5	2.8	2.8	0.0	2.8	2.8	5.5	5.5	5.5
75°	13.8	8.3	5.5	2.8	2.8	0.0	2.8	5.5	5.5	5.5	5.5
77.5°	11.0	5.5	5.5	2.8	2.8	0.0	2.8	5.5	5.5	5.5	5.5
80°	8.3	5.5	5.5	2.8	2.8	0.0	5.5	8.3	8.3	8.3	5.5
82.5°	5.5	5.5	5.5	2.8	2.8	0.0	5.5	8.3	8.3	8.3	5.5
85°	5.5	5.5	5.5	5.5	2.8	0.0	5.5	8.3	8.3	8.3	8.3
87.5°	5.5	5.5	5.5	5.5	5.5	2.8	8.3	11.0	11.0	8.3	8.3
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):

	165°	170°	175°	180°
0°	748.4	748.4	748.4	748.4
2.5°	651.8	651.8	649.0	657.3
5°	610.3	610.3	610.3	613.1
7.5°	530.2	510.9	491.6	494.3
10°	483.3	477.8	469.5	475.0
12.5°	298.3	281.7	262.4	254.1
15°	182.3	182.3	182.3	179.5
17.5°	149.1	138.1	124.3	127.0
20°	129.8	132.6	135.3	135.3
22.5°	113.2	107.7	102.2	102.2
25°	113.2	113.2	113.2	113.2
27.5°	85.6	85.6	82.9	82.9
30°	88.4	88.4	85.6	82.9
32.5°	71.8	71.8	71.8	71.8
35°	60.8	58.0	55.2	55.2
37.5°	46.9	44.2	41.4	41.4
40°	33.1	33.1	30.4	30.4
42.5°	24.9	24.9	22.1	22.1
45°	16.6	16.6	16.6	16.6
47.5°	11.0	11.0	11.0	11.0
50°	8.3	8.3	8.3	8.3
52.5°	8.3	8.3	5.5	5.5
55°	5.5	5.5	5.5	5.5
57.5°	5.5	5.5	5.5	5.5
60°	5.5	5.5	2.8	2.8
62.5°	2.8	2.8	2.8	2.8
65°	2.8	2.8	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°	2.8	2.8	0.0	0.0
75°	2.8	2.8	0.0	0.0
77.5°	2.8	2.8	0.0	0.0
80°	2.8	2.8	0.0	0.0
82.5°	2.8	2.8	2.8	0.0
85°	5.5	5.5	2.8	0.0
87.5°	5.5	5.5	2.8	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)