

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: P561336

Luminaire Tested: **SDL-PA1-90-827-U-T3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561336
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-PA1-90-827-U-T3-HSS
Description: Springdale
(1) 80 CRI, 2700K, 1180mA 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: 5572.7 lumens
Efficiency: N/A
Efficacy: 60.3 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): 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

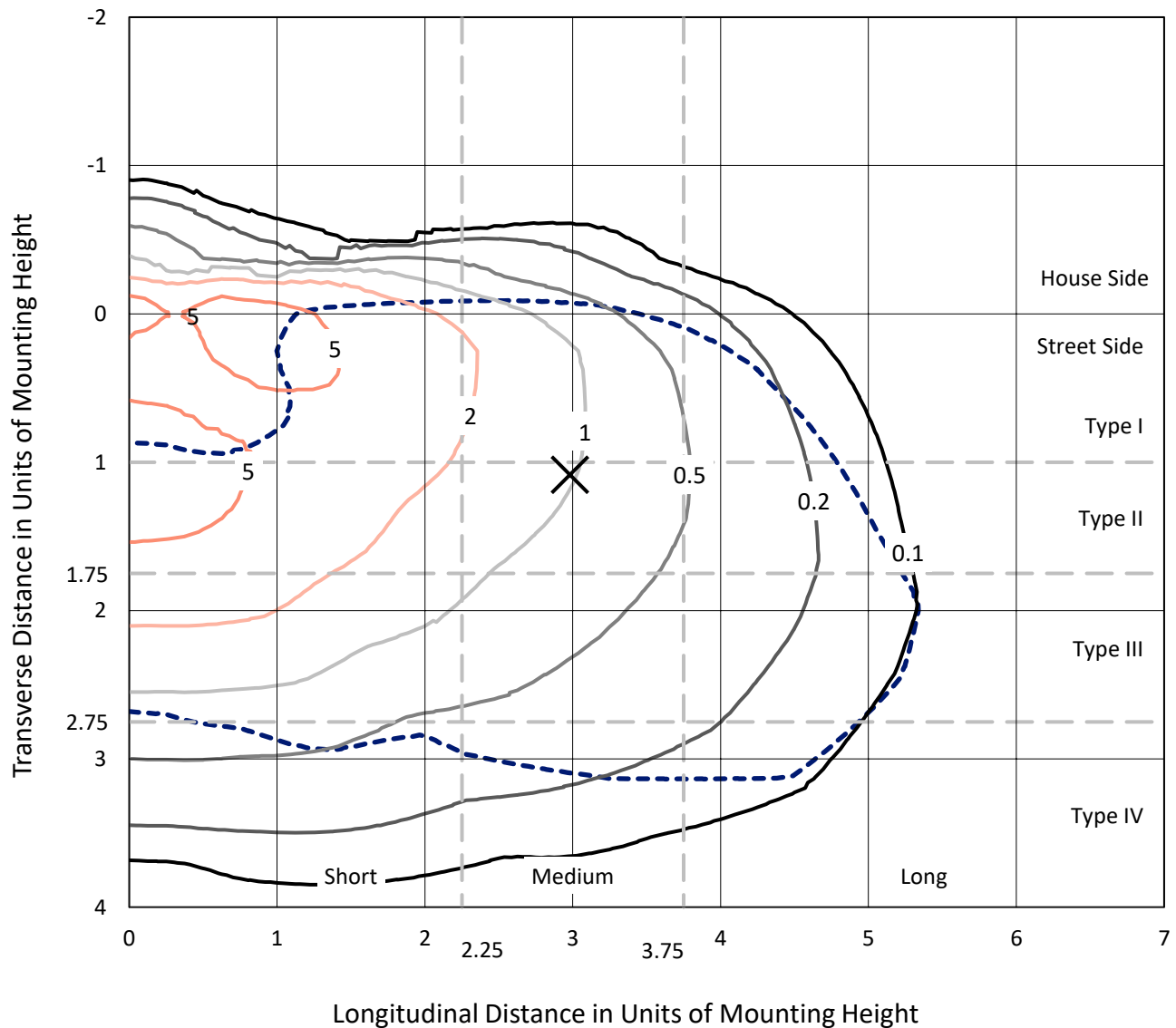


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

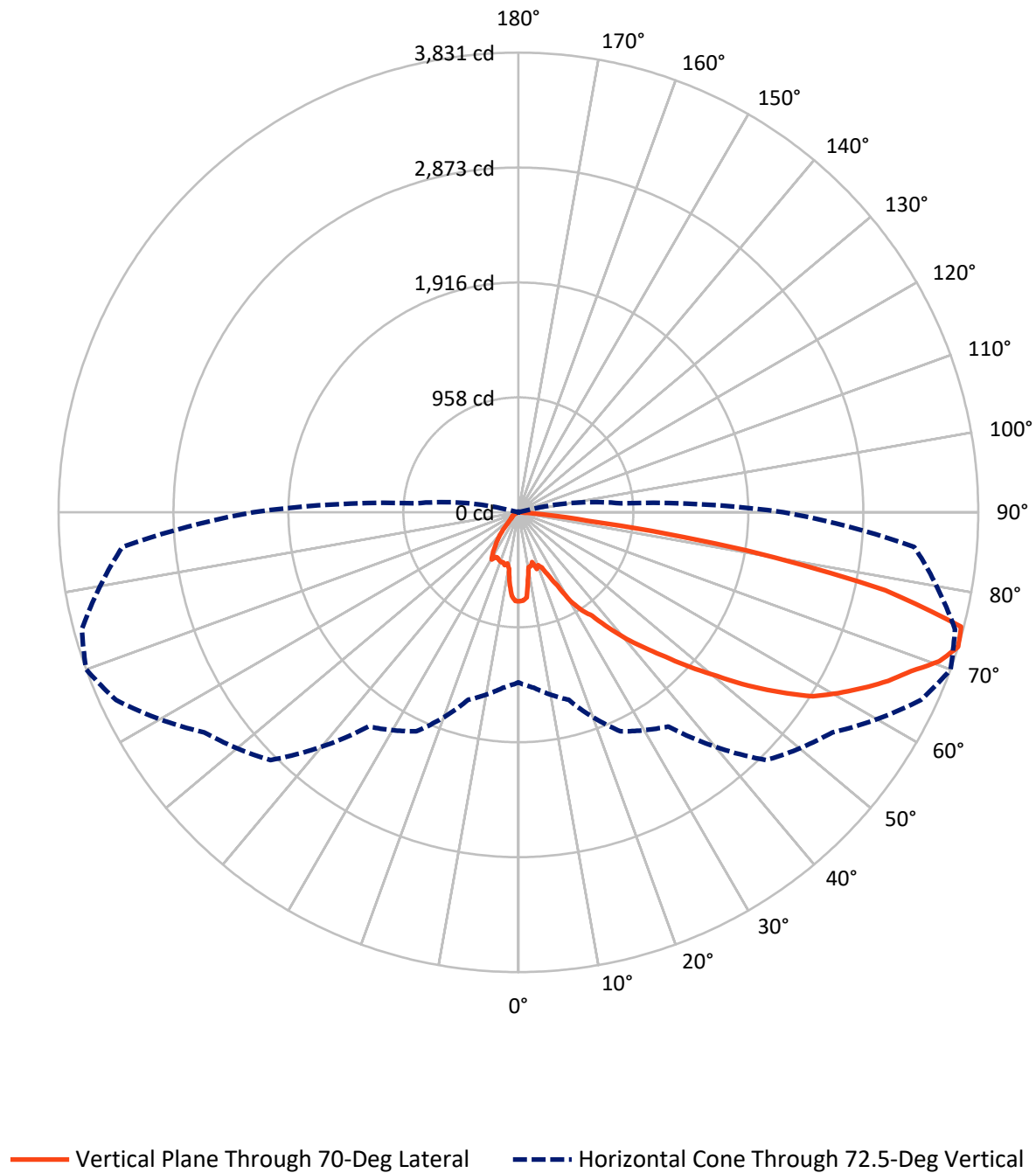


Based on 10 foot mounting height. Maximum calculated value = 8.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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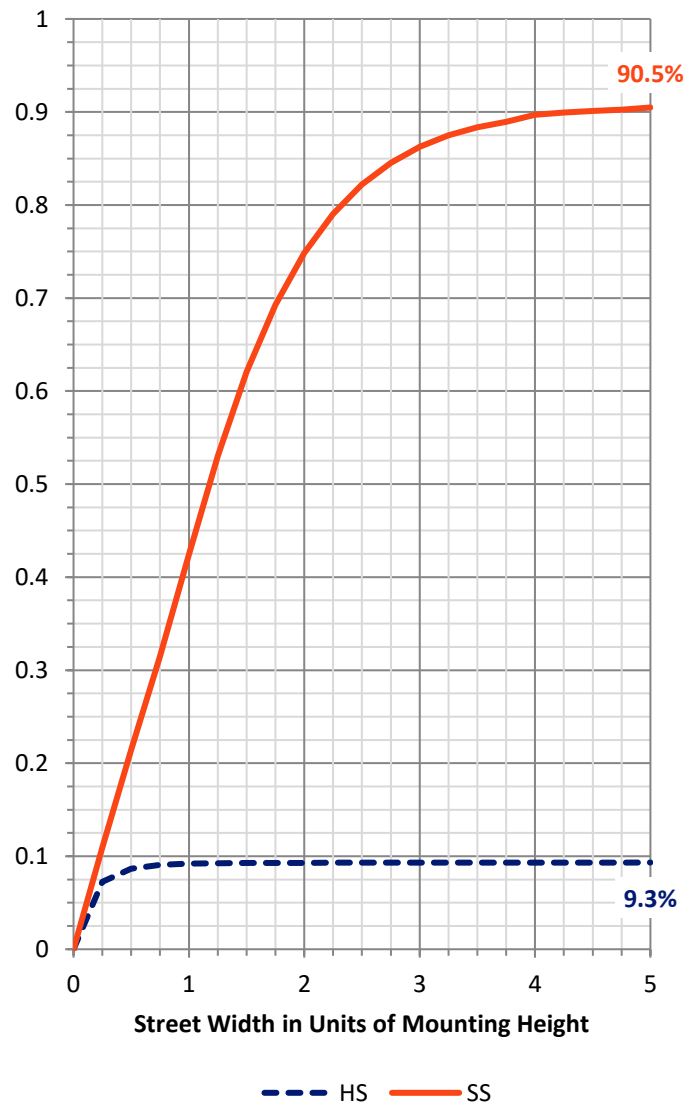
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	525.4	0.0	525.4
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	5047.3	0.0	5047.3
	% Fixture	90.6	0.0	90.6
Total	Lumens	5572.7	0.0	5572.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.1	1.0
10°-20°	114.1	2.0
20°-30°	185.9	3.3
30°-40°	396.7	7.1
40°-50°	764.4	13.7
50°-60°	1264.3	22.7
60°-70°	1547.5	27.8
70°-80°	1133.8	20.3
80°-90°	108.9	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°	5572.7	100.0
0°-180°	5572.7	100.0

Coefficient of Utilization



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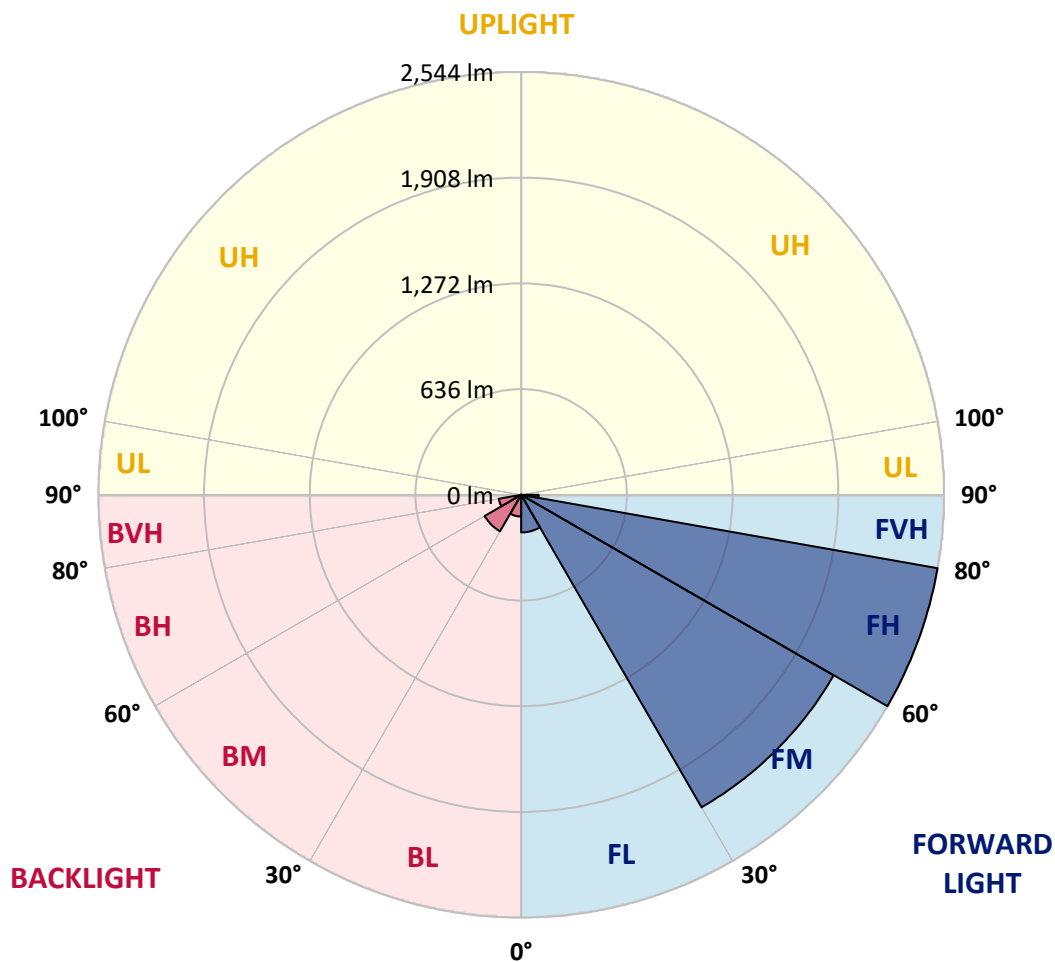
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	226.3	4.1			
FM	(30°-60°)	2171.5	39.0			
FH	(60°-80°)	2544.5	45.7			G2/5000
FVH	(80°-90°)	105.0	1.9			G2/225
BL	(0°-30°)	130.8	2.3	B1/500		
BM	(30°-60°)	253.9	4.6	B1/1000		
BH	(60°-80°)	136.8	2.5	B1/500		G1/500
BVH	(80°-90°)	3.8	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°	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6
2.5°	659.5	678.7	689.6	700.6	697.8	695.1	700.6	706.0	717.0	725.2	730.7
5°	593.8	593.8	593.8	593.8	596.6	596.6	596.6	596.6	599.3	602.0	604.8
7.5°	514.5	525.4	530.9	536.4	550.0	561.0	571.9	582.9	588.4	591.1	593.8
10°	558.3	558.3	558.3	558.3	561.0	561.0	525.4	487.1	489.8	492.6	476.2
12.5°	462.5	459.7	489.8	517.2	536.4	552.8	533.6	511.7	478.9	443.3	437.8
15°	544.6	544.6	544.6	544.6	506.3	467.9	440.6	413.2	435.1	454.3	410.5
17.5°	429.6	440.6	473.4	506.3	506.3	506.3	481.6	457.0	410.5	361.2	413.2
20°	533.6	533.6	533.6	530.9	467.9	405.0	426.9	446.1	465.2	484.4	476.2
22.5°	443.3	437.8	446.1	454.3	473.4	489.8	435.1	377.6	440.6	500.8	470.7
25°	561.0	561.0	563.7	563.7	503.5	443.3	478.9	511.7	465.2	418.7	492.6
27.5°	506.3	489.8	487.1	481.6	500.8	517.2	492.6	467.9	519.9	571.9	547.3
30°	703.3	703.3	684.1	665.0	591.1	514.5	522.7	528.2	528.2	528.2	582.9
32.5°	976.9	979.7	905.8	829.2	763.5	695.1	634.9	571.9	604.8	637.6	673.2
35°	1316.3	1324.5	1272.5	1217.8	1056.3	894.9	793.6	692.3	689.6	684.1	736.1
37.5°	1559.8	1576.3	1535.2	1494.2	1302.6	1111.0	966.0	821.0	807.3	790.9	810.0
40°	1789.7	1778.8	1754.1	1726.8	1524.3	1319.0	1160.3	998.8	963.3	925.0	927.7
42.5°	2088.0	2055.1	1992.2	1929.3	1735.0	1540.7	1371.0	1201.3	1143.9	1086.4	1075.5
45°	2473.8	2419.1	2328.8	2235.8	2044.2	1852.6	1644.7	1434.0	1362.8	1288.9	1272.5
47.5°	2670.9	2632.6	2575.1	2514.9	2317.9	2120.8	1921.1	1718.6	1620.0	1518.8	1491.4
50°	2903.5	2854.2	2815.9	2774.9	2605.2	2432.8	2246.7	2057.9	1926.5	1795.2	1748.7
52.5°	3125.1	3043.0	3007.5	2969.2	2835.1	2698.2	2503.9	2309.6	2224.8	2137.2	2025.0
55°	3204.5	3125.1	3108.7	3092.3	2996.5	2900.7	2722.9	2545.0	2446.5	2345.2	2254.9
57.5°	3032.1	3043.0	3092.3	3141.6	3086.8	3032.1	2887.1	2739.3	2629.8	2520.4	2468.4
60°	2914.4	2939.1	3012.9	3086.8	3086.8	3086.8	3007.5	2928.1	2824.1	2720.1	2684.6
62.5°	2725.6	2755.7	2867.9	2980.1	3051.3	3122.4	3037.6	2952.7	2917.2	2878.8	2846.0
65°	2476.6	2484.8	2610.7	2736.5	2884.3	3029.4	2950.0	2867.9	2936.3	3004.7	2971.9
67.5°	2189.2	2202.9	2320.6	2435.5	2610.7	2785.8	2763.9	2739.3	2889.8	3040.3	3037.6
70°	1847.2	1871.8	1973.1	2071.6	2268.6	2462.9	2484.8	2506.7	2766.6	3023.9	3073.1
72.5°	1417.5	1466.8	1543.4	1617.3	1817.1	2014.1	2096.2	2178.3	2550.5	2919.9	3059.5
75°	470.7	503.5	717.0	927.7	1130.2	1332.7	1513.3	1691.2	2156.4	2618.9	2908.9
77.5°	136.8	142.3	183.3	221.7	380.4	536.4	722.4	905.8	1360.1	1811.6	2293.2
80°	71.2	73.9	82.1	90.3	131.4	172.4	249.0	322.9	530.9	738.9	1245.1
82.5°	49.3	49.3	57.5	62.9	79.4	95.8	136.8	177.9	194.3	210.7	500.8
85°	16.4	16.4	21.9	27.4	38.3	49.3	73.9	95.8	95.8	93.0	134.1
87.5°	2.7	2.7	5.5	8.2	13.7	16.4	13.7	10.9	8.2	5.5	10.9
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6
2.5°	733.4	736.1	736.1	736.1	738.9	738.9	738.9	738.9	736.1	738.9	738.9
5°	604.8	654.0	700.6	714.2	722.4	725.2	725.2	725.2	722.4	722.4	722.4
7.5°	596.6	593.8	591.1	569.2	621.2	632.1	640.4	637.6	637.6	623.9	607.5
10°	459.7	459.7	459.7	465.2	495.3	530.9	566.5	566.5	566.5	525.4	484.4
12.5°	429.6	446.1	459.7	459.7	410.5	451.5	492.6	492.6	492.6	451.5	407.7
15°	366.7	385.9	402.3	429.6	511.7	561.0	610.3	610.3	607.5	561.0	511.7
17.5°	462.5	457.0	448.8	498.1	467.9	476.2	484.4	459.7	495.3	481.6	467.9
20°	467.9	418.7	366.7	470.7	577.4	623.9	670.5	673.2	665.0	613.0	558.3
22.5°	440.6	503.5	563.7	498.1	514.5	503.5	489.8	484.4	484.4	481.6	478.9
25°	563.7	503.5	443.3	582.9	681.4	714.2	747.1	738.9	727.9	654.0	580.1
27.5°	519.9	580.1	637.6	692.3	741.6	771.7	801.8	886.6	771.7	686.9	599.3
30°	634.9	708.8	779.9	859.3	1009.8	1053.6	1097.4	1075.5	1048.1	883.9	719.7
32.5°	706.0	823.7	938.6	974.2	1064.5	1105.6	1143.9	1124.7	1091.9	875.7	659.5
35°	785.4	894.9	1001.6	1059.0	1168.5	1201.3	1231.4	1201.3	1165.8	867.5	569.2
37.5°	829.2	976.9	1122.0	1220.5	1313.5	1321.8	1327.2	1299.9	1253.3	867.5	481.6
40°	930.4	1089.1	1245.1	1387.4	1461.3	1464.1	1466.8	1423.0	1338.2	859.3	377.6
42.5°	1064.5	1226.0	1384.7	1540.7	1639.2	1631.0	1620.0	1559.8	1420.3	845.6	270.9
45°	1256.1	1398.4	1540.7	1715.8	1836.2	1814.3	1789.7	1699.4	1477.7	831.9	183.3
47.5°	1461.3	1573.5	1683.0	1923.8	2077.0	2030.5	1981.3	1849.9	1518.8	826.4	131.4
50°	1699.4	1789.7	1880.0	2142.7	2326.1	2238.5	2150.9	2000.4	1535.2	821.0	104.0
52.5°	1910.1	2003.2	2093.5	2400.0	2539.5	2441.0	2342.5	2118.1	1527.0	810.0	90.3
55°	2161.9	2244.0	2326.1	2646.2	2758.4	2627.1	2493.0	2202.9	1485.9	785.4	82.1
57.5°	2413.6	2498.5	2580.6	2892.5	2925.4	2796.8	2665.4	2285.0	1444.9	760.8	73.9
60°	2649.0	2744.8	2840.5	3059.5	3084.1	2969.2	2854.2	2364.4	1379.2	722.4	65.7
62.5°	2813.2	2944.5	3075.9	3223.7	3234.6	3130.6	3023.9	2424.6	1294.4	678.7	60.2
65°	2936.3	3116.9	3294.8	3385.1	3379.6	3305.7	3231.9	2476.6	1226.0	637.6	49.3
67.5°	3032.1	3251.0	3469.9	3530.1	3543.8	3475.4	3407.0	2484.8	1141.1	591.1	38.3
70°	3122.4	3363.2	3604.0	3719.0	3691.6	3584.9	3478.2	2421.8	1026.2	528.2	27.4
72.5°	3196.3	3448.0	3699.8	3831.2	3765.5	3538.4	3311.2	2208.4	859.3	440.6	19.2
75°	3196.3	3448.0	3697.1	3809.3	3584.9	3133.3	2679.1	1644.7	503.5	260.0	16.4
77.5°	2774.9	2958.2	3141.6	3125.1	2731.1	2170.1	1606.4	946.8	169.7	93.0	13.7
80°	1751.4	1871.8	1992.2	1932.0	1395.6	1001.6	604.8	317.4	60.2	35.6	10.9
82.5°	790.9	777.2	763.5	588.4	273.7	183.3	90.3	54.7	16.4	10.9	5.5
85°	175.1	169.7	164.2	120.4	82.1	54.7	27.4	16.4	8.2	8.2	5.5
87.5°	16.4	19.2	19.2	13.7	13.7	10.9	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°	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6	741.6
2.5°	738.9	738.9	738.9	736.1	736.1	736.1	717.0	695.1	681.4	665.0	656.8
5°	697.8	673.2	643.1	613.0	607.5	599.3	602.0	602.0	604.8	604.8	604.8
7.5°	593.8	580.1	585.6	591.1	591.1	591.1	591.1	588.4	585.6	582.9	555.5
10°	473.4	462.5	462.5	462.5	470.7	476.2	462.5	446.1	470.7	492.6	487.1
12.5°	435.1	462.5	426.9	388.6	394.1	396.8	396.8	394.1	383.1	372.2	333.9
15°	454.3	396.8	364.0	328.4	328.4	328.4	265.4	202.5	188.8	175.1	177.9
17.5°	435.1	402.3	364.0	322.9	243.6	161.5	153.2	142.3	142.3	142.3	145.0
20°	437.8	317.4	268.2	218.9	175.1	128.6	120.4	109.5	104.0	95.8	112.2
22.5°	429.6	377.6	257.2	136.8	120.4	104.0	95.8	84.8	98.5	112.2	112.2
25°	416.0	249.0	186.1	120.4	101.3	82.1	93.0	101.3	95.8	87.6	101.3
27.5°	418.7	235.3	161.5	87.6	93.0	95.8	90.3	82.1	90.3	95.8	90.3
30°	451.5	183.3	136.8	87.6	84.8	79.4	82.1	84.8	82.1	76.6	82.1
32.5°	402.3	145.0	114.9	82.1	79.4	76.6	73.9	71.2	73.9	73.9	73.9
35°	339.3	109.5	93.0	76.6	71.2	65.7	65.7	62.9	62.9	62.9	62.9
37.5°	287.3	93.0	82.1	68.4	62.9	57.5	54.7	49.3	49.3	46.5	46.5
40°	232.6	84.8	73.9	60.2	54.7	46.5	43.8	38.3	38.3	35.6	35.6
42.5°	175.1	76.6	65.7	52.0	46.5	38.3	32.8	27.4	27.4	24.6	24.6
45°	125.9	68.4	57.5	43.8	38.3	30.1	24.6	19.2	19.2	16.4	16.4
47.5°	98.5	62.9	52.0	38.3	30.1	21.9	19.2	13.7	13.7	13.7	13.7
50°	79.4	54.7	43.8	30.1	21.9	13.7	10.9	8.2	8.2	8.2	8.2
52.5°	71.2	49.3	38.3	24.6	19.2	10.9	8.2	5.5	8.2	8.2	8.2
55°	62.9	43.8	32.8	19.2	13.7	8.2	8.2	5.5	8.2	8.2	8.2
57.5°	57.5	38.3	27.4	13.7	10.9	5.5	5.5	2.7	5.5	5.5	5.5
60°	49.3	32.8	21.9	10.9	8.2	2.7	2.7	2.7	5.5	5.5	5.5
62.5°	43.8	27.4	19.2	8.2	5.5	2.7	2.7	2.7	5.5	5.5	5.5
65°	35.6	19.2	13.7	5.5	5.5	2.7	2.7	2.7	5.5	5.5	5.5
67.5°	27.4	13.7	10.9	5.5	5.5	2.7	2.7	2.7	5.5	5.5	2.7
70°	19.2	10.9	8.2	2.7	2.7	2.7	2.7	2.7	5.5	5.5	2.7
72.5°	13.7	8.2	5.5	2.7	2.7	0.0	2.7	2.7	5.5	5.5	5.5
75°	13.7	8.2	5.5	2.7	2.7	0.0	2.7	5.5	5.5	5.5	5.5
77.5°	10.9	5.5	5.5	2.7	2.7	0.0	2.7	5.5	5.5	5.5	5.5
80°	8.2	5.5	5.5	2.7	2.7	0.0	5.5	8.2	8.2	8.2	5.5
82.5°	5.5	5.5	5.5	2.7	2.7	0.0	5.5	8.2	8.2	8.2	5.5
85°	5.5	5.5	5.5	5.5	2.7	0.0	5.5	8.2	8.2	8.2	8.2
87.5°	5.5	5.5	5.5	5.5	5.5	2.7	8.2	10.9	10.9	8.2	8.2
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):

	165°	170°	175°	180°
0°	741.6	741.6	741.6	741.6
2.5°	645.8	645.8	643.1	651.3
5°	604.8	604.8	604.8	607.5
7.5°	525.4	506.3	487.1	489.8
10°	478.9	473.4	465.2	470.7
12.5°	295.5	279.1	260.0	251.8
15°	180.6	180.6	180.6	177.9
17.5°	147.8	136.8	123.1	125.9
20°	128.6	131.4	134.1	134.1
22.5°	112.2	106.7	101.3	101.3
25°	112.2	112.2	112.2	112.2
27.5°	84.8	84.8	82.1	82.1
30°	87.6	87.6	84.8	82.1
32.5°	71.2	71.2	71.2	71.2
35°	60.2	57.5	54.7	54.7
37.5°	46.5	43.8	41.0	41.0
40°	32.8	32.8	30.1	30.1
42.5°	24.6	24.6	21.9	21.9
45°	16.4	16.4	16.4	16.4
47.5°	10.9	10.9	10.9	10.9
50°	8.2	8.2	8.2	8.2
52.5°	8.2	8.2	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	2.7	2.7
62.5°	2.7	2.7	2.7	2.7
65°	2.7	2.7	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°	2.7	2.7	0.0	0.0
75°	2.7	2.7	0.0	0.0
77.5°	2.7	2.7	0.0	0.0
80°	2.7	2.7	0.0	0.0
82.5°	2.7	2.7	2.7	0.0
85°	5.5	5.5	2.7	0.0
87.5°	5.5	5.5	2.7	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)