

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: P560984

Luminaire Tested: **SDL-PA1-70-827-U-T3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560984
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-PA1-70-827-U-T3-HSS
Description: Springdale
(1) 80 CRI, 2700K, 930mA 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: 4632.1 lumens
Efficiency: N/A
Efficacy: 64.2 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): 72.2
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

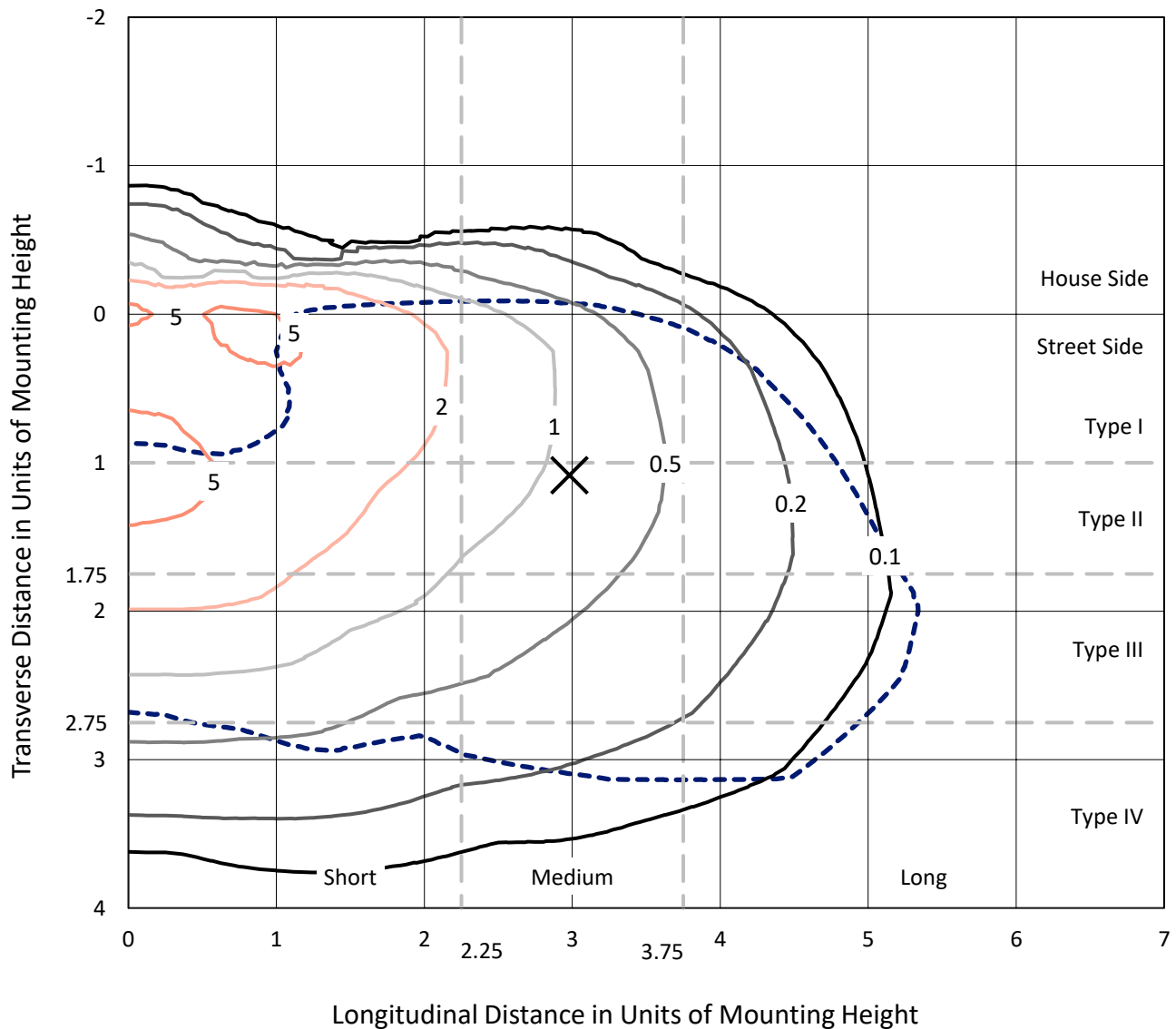


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

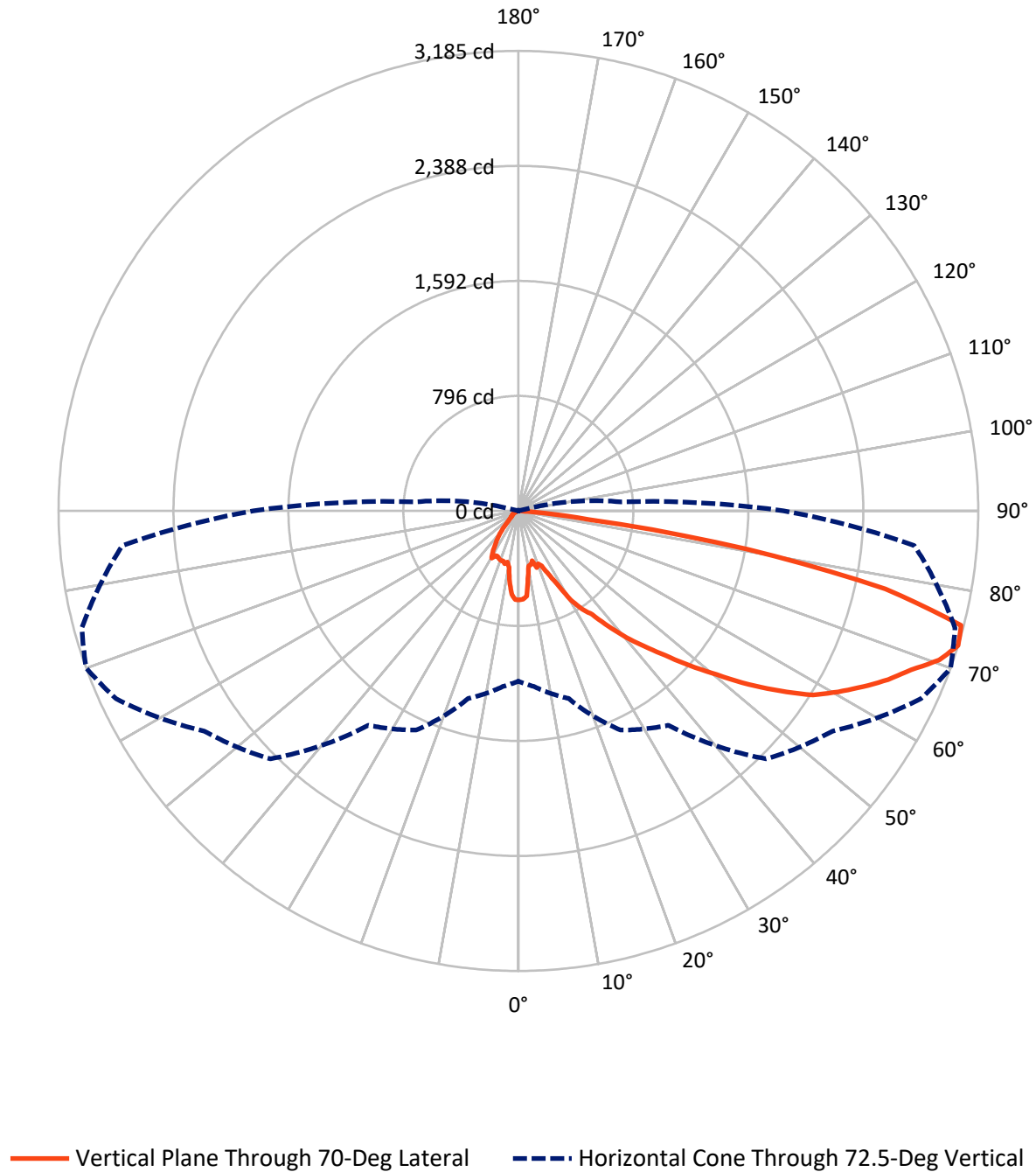


Based on 10 foot mounting height. Maximum calculated value = 7.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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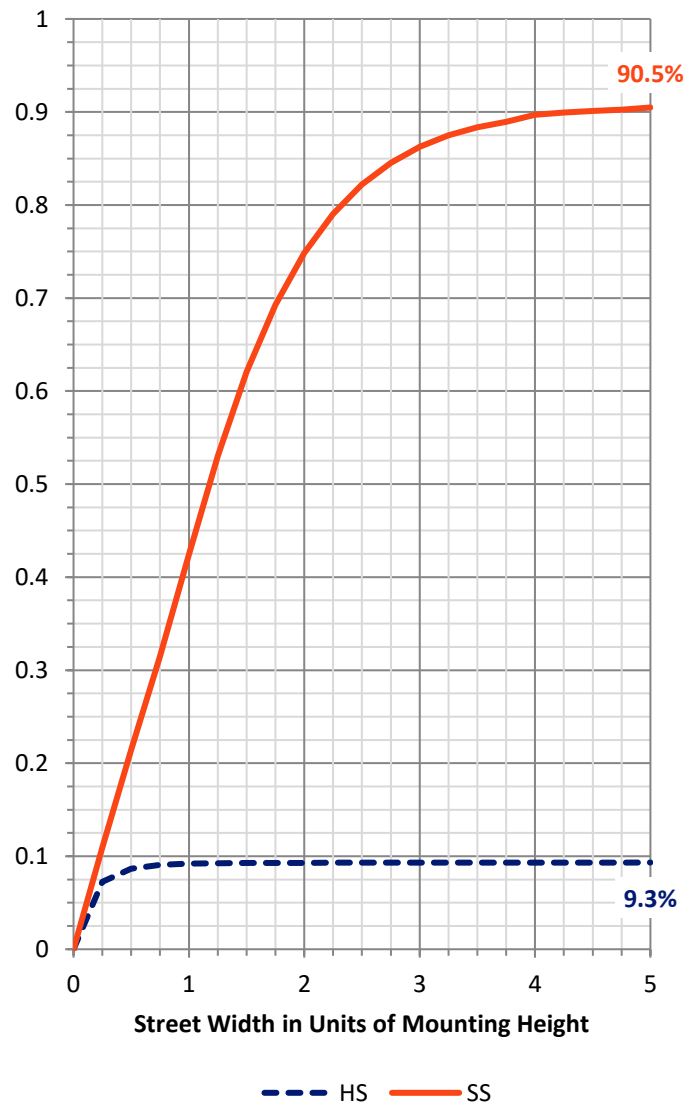
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	436.7	0.0	436.7
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	4195.4	0.0	4195.4
	% Fixture	90.6	0.0	90.6
Total	Lumens	4632.1	0.0	4632.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.4	1.0
10°-20°	94.8	2.0
20°-30°	154.6	3.3
30°-40°	329.8	7.1
40°-50°	635.4	13.7
50°-60°	1050.9	22.7
60°-70°	1286.3	27.8
70°-80°	942.4	20.3
80°-90°	90.5	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°	4632.1	100.0
0°-180°	4632.1	100.0

Coefficient of Utilization



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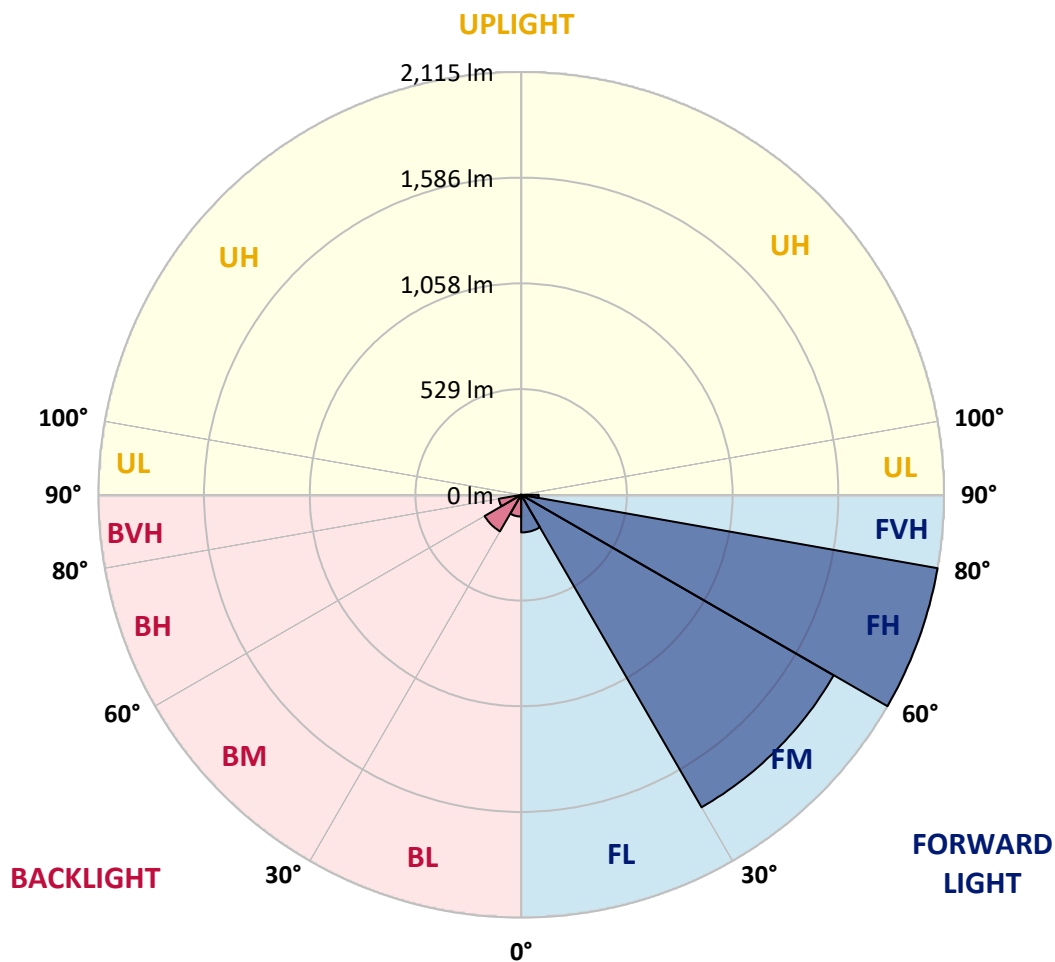
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	188.1	4.1			
FM	(30°-60°)	1805.0	39.0			
FH	(60°-80°)	2115.0	45.7			G2/5000
FVH	(80°-90°)	87.3	1.9			G1/100
BL	(0°-30°)	108.8	2.3	B0/110		
BM	(30°-60°)	211.0	4.6	B0/220		
BH	(60°-80°)	113.7	2.5	B1/500		G1/500
BVH	(80°-90°)	3.2	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°	616.4	616.4	616.4	616.4	616.4	616.4	616.4	616.4	616.4	616.4	616.4
2.5°	548.2	564.1	573.2	582.3	580.0	577.8	582.3	586.9	596.0	602.8	607.3
5°	493.6	493.6	493.6	493.6	495.9	495.9	495.9	495.9	498.2	500.4	502.7
7.5°	427.6	436.7	441.3	445.8	457.2	466.3	475.4	484.5	489.1	491.3	493.6
10°	464.0	464.0	464.0	464.0	466.3	466.3	436.7	404.9	407.2	409.4	395.8
12.5°	384.4	382.1	407.2	429.9	445.8	459.5	443.6	425.4	398.1	368.5	363.9
15°	452.7	452.7	452.7	452.7	420.8	389.0	366.2	343.5	361.7	377.6	341.2
17.5°	357.1	366.2	393.5	420.8	420.8	420.8	400.3	379.9	341.2	300.3	343.5
20°	443.6	443.6	443.6	441.3	389.0	336.7	354.8	370.8	386.7	402.6	395.8
22.5°	368.5	363.9	370.8	377.6	393.5	407.2	361.7	313.9	366.2	416.3	391.2
25°	466.3	466.3	468.6	468.6	418.5	368.5	398.1	425.4	386.7	348.0	409.4
27.5°	420.8	407.2	404.9	400.3	416.3	429.9	409.4	389.0	432.2	475.4	454.9
30°	584.6	584.6	568.7	552.7	491.3	427.6	434.5	439.0	439.0	439.0	484.5
32.5°	812.1	814.3	752.9	689.2	634.6	577.8	527.7	475.4	502.7	530.0	559.6
35°	1094.1	1100.9	1057.7	1012.2	878.0	743.8	659.7	575.5	573.2	568.7	611.9
37.5°	1296.6	1310.2	1276.1	1242.0	1082.7	923.5	803.0	682.4	671.0	657.4	673.3
40°	1487.6	1478.5	1458.1	1435.3	1267.0	1096.4	964.5	830.3	800.7	768.8	771.1
42.5°	1735.6	1708.3	1656.0	1603.6	1442.1	1280.6	1139.6	998.6	950.8	903.0	893.9
45°	2056.3	2010.8	1935.7	1858.4	1699.2	1540.0	1367.1	1191.9	1132.8	1071.4	1057.7
47.5°	2220.1	2188.2	2140.5	2090.4	1926.6	1762.9	1596.8	1428.5	1346.6	1262.4	1239.7
50°	2413.4	2372.5	2340.6	2306.5	2165.5	2022.2	1867.5	1710.6	1601.4	1492.2	1453.5
52.5°	2597.7	2529.4	2499.9	2468.0	2356.6	2242.8	2081.3	1919.8	1849.3	1776.5	1683.3
55°	2663.6	2597.7	2584.0	2570.4	2490.8	2411.2	2263.3	2115.4	2033.6	1949.4	1874.3
57.5°	2520.3	2529.4	2570.4	2611.3	2565.8	2520.3	2399.8	2276.9	2186.0	2095.0	2051.8
60°	2422.5	2443.0	2504.4	2565.8	2565.8	2565.8	2499.9	2433.9	2347.5	2261.0	2231.5
62.5°	2265.6	2290.6	2383.9	2477.1	2536.3	2595.4	2524.9	2454.4	2424.8	2393.0	2365.7
65°	2058.6	2065.4	2170.0	2274.7	2397.5	2518.1	2452.1	2383.9	2440.7	2497.6	2470.3
67.5°	1819.7	1831.1	1928.9	2024.5	2170.0	2315.6	2297.4	2276.9	2402.1	2527.2	2524.9
70°	1535.4	1555.9	1640.0	1721.9	1885.7	2047.2	2065.4	2083.6	2299.7	2513.5	2554.5
72.5°	1178.3	1219.2	1282.9	1344.3	1510.4	1674.2	1742.4	1810.6	2120.0	2427.1	2543.1
75°	391.2	418.5	596.0	771.1	939.4	1107.8	1257.9	1405.7	1792.4	2176.9	2418.0
77.5°	113.7	118.3	152.4	184.2	316.2	445.8	600.5	752.9	1130.5	1505.8	1906.2
80°	59.1	61.4	68.2	75.1	109.2	143.3	207.0	268.4	441.3	614.2	1035.0
82.5°	40.9	40.9	47.8	52.3	66.0	79.6	113.7	147.9	161.5	175.1	416.3
85°	13.6	13.6	18.2	22.7	31.8	40.9	61.4	79.6	79.6	77.3	111.5
87.5°	2.3	2.3	4.5	6.8	11.4	13.6	11.4	9.1	6.8	4.5	9.1
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°	616.4	616.4	616.4	616.4	616.4	616.4	616.4	616.4	616.4	616.4	616.4
2.5°	609.6	611.9	611.9	611.9	614.2	614.2	614.2	614.2	611.9	614.2	614.2
5°	502.7	543.6	582.3	593.7	600.5	602.8	602.8	602.8	600.5	600.5	600.5
7.5°	495.9	493.6	491.3	473.1	516.4	525.4	532.3	530.0	530.0	518.6	505.0
10°	382.1	382.1	382.1	386.7	411.7	441.3	470.9	470.9	470.9	436.7	402.6
12.5°	357.1	370.8	382.1	382.1	341.2	375.3	409.4	409.4	409.4	375.3	338.9
15°	304.8	320.7	334.4	357.1	425.4	466.3	507.3	507.3	505.0	466.3	425.4
17.5°	384.4	379.9	373.0	414.0	389.0	395.8	402.6	382.1	411.7	400.3	389.0
20°	389.0	348.0	304.8	391.2	480.0	518.6	557.3	559.6	552.7	509.5	464.0
22.5°	366.2	418.5	468.6	414.0	427.6	418.5	407.2	402.6	402.6	400.3	398.1
25°	468.6	418.5	368.5	484.5	566.4	593.7	621.0	614.2	605.1	543.6	482.2
27.5°	432.2	482.2	530.0	575.5	616.4	641.5	666.5	737.0	641.5	570.9	498.2
30°	527.7	589.1	648.3	714.2	839.4	875.7	912.1	893.9	871.2	734.7	598.2
32.5°	586.9	684.7	780.2	809.8	884.8	919.0	950.8	934.9	907.6	727.9	548.2
35°	652.8	743.8	832.5	880.3	971.3	998.6	1023.6	998.6	969.0	721.1	473.1
37.5°	689.2	812.1	932.6	1014.5	1091.8	1098.7	1103.2	1080.5	1041.8	721.1	400.3
40°	773.4	905.3	1035.0	1153.3	1214.7	1216.9	1219.2	1182.8	1112.3	714.2	313.9
42.5°	884.8	1019.1	1151.0	1280.6	1362.5	1355.7	1346.6	1296.6	1180.6	702.9	225.2
45°	1044.1	1162.4	1280.6	1426.2	1526.3	1508.1	1487.6	1412.6	1228.3	691.5	152.4
47.5°	1214.7	1307.9	1398.9	1599.1	1726.5	1687.8	1646.9	1537.7	1262.4	687.0	109.2
50°	1412.6	1487.6	1562.7	1781.1	1933.5	1860.7	1787.9	1662.8	1276.1	682.4	86.4
52.5°	1587.7	1665.1	1740.1	1994.9	2110.9	2029.0	1947.1	1760.6	1269.3	673.3	75.1
55°	1797.0	1865.2	1933.5	2199.6	2292.9	2183.7	2072.2	1831.1	1235.1	652.8	68.2
57.5°	2006.3	2076.8	2145.0	2404.3	2431.6	2324.7	2215.5	1899.4	1201.0	632.4	61.4
60°	2201.9	2281.5	2361.1	2543.1	2563.6	2468.0	2372.5	1965.3	1146.4	600.5	54.6
62.5°	2338.4	2447.5	2556.7	2679.6	2688.7	2602.2	2513.5	2015.4	1075.9	564.1	50.0
65°	2440.7	2590.9	2738.7	2813.8	2809.2	2747.8	2686.4	2058.6	1019.1	530.0	40.9
67.5°	2520.3	2702.3	2884.3	2934.3	2945.7	2888.8	2832.0	2065.4	948.5	491.3	31.8
70°	2595.4	2795.6	2995.7	3091.3	3068.5	2979.8	2891.1	2013.1	853.0	439.0	22.7
72.5°	2656.8	2866.1	3075.4	3184.5	3129.9	2941.1	2752.4	1835.7	714.2	366.2	15.9
75°	2656.8	2866.1	3073.1	3166.3	2979.8	2604.5	2226.9	1367.1	418.5	216.1	13.6
77.5°	2306.5	2458.9	2611.3	2597.7	2270.1	1803.8	1335.2	787.0	141.0	77.3	11.4
80°	1455.8	1555.9	1656.0	1605.9	1160.1	832.5	502.7	263.9	50.0	29.6	9.1
82.5°	657.4	646.0	634.6	489.1	227.5	152.4	75.1	45.5	13.6	9.1	4.5
85°	145.6	141.0	136.5	100.1	68.2	45.5	22.7	13.6	6.8	6.8	4.5
87.5°	13.6	15.9	15.9	11.4	11.4	9.1	4.5	4.5	4.5	4.5	4.5
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°	616.4	616.4	616.4	616.4	616.4	616.4	616.4	616.4	616.4	616.4	616.4
2.5°	614.2	614.2	614.2	611.9	611.9	611.9	596.0	577.8	566.4	552.7	545.9
5°	580.0	559.6	534.5	509.5	505.0	498.2	500.4	500.4	502.7	502.7	502.7
7.5°	493.6	482.2	486.8	491.3	491.3	491.3	491.3	489.1	486.8	484.5	461.8
10°	393.5	384.4	384.4	384.4	391.2	395.8	384.4	370.8	391.2	409.4	404.9
12.5°	361.7	384.4	354.8	323.0	327.6	329.8	329.8	327.6	318.5	309.4	277.5
15°	377.6	329.8	302.5	273.0	273.0	273.0	220.6	168.3	157.0	145.6	147.9
17.5°	361.7	334.4	302.5	268.4	202.4	134.2	127.4	118.3	118.3	118.3	120.6
20°	363.9	263.9	222.9	182.0	145.6	106.9	100.1	91.0	86.4	79.6	93.3
22.5°	357.1	313.9	213.8	113.7	100.1	86.4	79.6	70.5	81.9	93.3	93.3
25°	345.7	207.0	154.7	100.1	84.2	68.2	77.3	84.2	79.6	72.8	84.2
27.5°	348.0	195.6	134.2	72.8	77.3	79.6	75.1	68.2	75.1	79.6	75.1
30°	375.3	152.4	113.7	72.8	70.5	66.0	68.2	70.5	68.2	63.7	68.2
32.5°	334.4	120.6	95.5	68.2	66.0	63.7	61.4	59.1	61.4	61.4	61.4
35°	282.1	91.0	77.3	63.7	59.1	54.6	54.6	52.3	52.3	52.3	52.3
37.5°	238.8	77.3	68.2	56.9	52.3	47.8	45.5	40.9	40.9	38.7	38.7
40°	193.3	70.5	61.4	50.0	45.5	38.7	36.4	31.8	31.8	29.6	29.6
42.5°	145.6	63.7	54.6	43.2	38.7	31.8	27.3	22.7	22.7	20.5	20.5
45°	104.6	56.9	47.8	36.4	31.8	25.0	20.5	15.9	15.9	13.6	13.6
47.5°	81.9	52.3	43.2	31.8	25.0	18.2	15.9	11.4	11.4	11.4	11.4
50°	66.0	45.5	36.4	25.0	18.2	11.4	9.1	6.8	6.8	6.8	6.8
52.5°	59.1	40.9	31.8	20.5	15.9	9.1	6.8	4.5	6.8	6.8	6.8
55°	52.3	36.4	27.3	15.9	11.4	6.8	6.8	4.5	6.8	6.8	6.8
57.5°	47.8	31.8	22.7	11.4	9.1	4.5	4.5	2.3	4.5	4.5	4.5
60°	40.9	27.3	18.2	9.1	6.8	2.3	2.3	2.3	4.5	4.5	4.5
62.5°	36.4	22.7	15.9	6.8	4.5	2.3	2.3	2.3	4.5	4.5	4.5
65°	29.6	15.9	11.4	4.5	4.5	2.3	2.3	2.3	4.5	4.5	4.5
67.5°	22.7	11.4	9.1	4.5	4.5	2.3	2.3	2.3	4.5	4.5	2.3
70°	15.9	9.1	6.8	2.3	2.3	2.3	2.3	2.3	4.5	4.5	2.3
72.5°	11.4	6.8	4.5	2.3	2.3	0.0	2.3	2.3	4.5	4.5	4.5
75°	11.4	6.8	4.5	2.3	2.3	0.0	2.3	4.5	4.5	4.5	4.5
77.5°	9.1	4.5	4.5	2.3	2.3	0.0	2.3	4.5	4.5	4.5	4.5
80°	6.8	4.5	4.5	2.3	2.3	0.0	4.5	6.8	6.8	6.8	4.5
82.5°	4.5	4.5	4.5	2.3	2.3	0.0	4.5	6.8	6.8	6.8	4.5
85°	4.5	4.5	4.5	4.5	2.3	0.0	4.5	6.8	6.8	6.8	6.8
87.5°	4.5	4.5	4.5	4.5	4.5	2.3	6.8	9.1	9.1	6.8	6.8
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):

	165°	170°	175°	180°
0°	616.4	616.4	616.4	616.4
2.5°	536.8	536.8	534.5	541.4
5°	502.7	502.7	502.7	505.0
7.5°	436.7	420.8	404.9	407.2
10°	398.1	393.5	386.7	391.2
12.5°	245.7	232.0	216.1	209.3
15°	150.1	150.1	150.1	147.9
17.5°	122.8	113.7	102.4	104.6
20°	106.9	109.2	111.5	111.5
22.5°	93.3	88.7	84.2	84.2
25°	93.3	93.3	93.3	93.3
27.5°	70.5	70.5	68.2	68.2
30°	72.8	72.8	70.5	68.2
32.5°	59.1	59.1	59.1	59.1
35°	50.0	47.8	45.5	45.5
37.5°	38.7	36.4	34.1	34.1
40°	27.3	27.3	25.0	25.0
42.5°	20.5	20.5	18.2	18.2
45°	13.6	13.6	13.6	13.6
47.5°	9.1	9.1	9.1	9.1
50°	6.8	6.8	6.8	6.8
52.5°	6.8	6.8	4.5	4.5
55°	4.5	4.5	4.5	4.5
57.5°	4.5	4.5	4.5	4.5
60°	4.5	4.5	2.3	2.3
62.5°	2.3	2.3	2.3	2.3
65°	2.3	2.3	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°	2.3	2.3	0.0	0.0
75°	2.3	2.3	0.0	0.0
77.5°	2.3	2.3	0.0	0.0
80°	2.3	2.3	0.0	0.0
82.5°	2.3	2.3	2.3	0.0
85°	4.5	4.5	2.3	0.0
87.5°	4.5	4.5	2.3	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)