

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: P560830

Luminaire Tested: **SDL-PA1-60-830-U-T3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560830
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-PA1-60-830-U-T3-HSS
Description: Springdale
(1) 80 CRI, 3000K, 800mA 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: 4415.9 lumens
Efficiency: N/A
Efficacy: 70.8 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: B0 - U0 - G2

Input Watts (W): 62.4
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

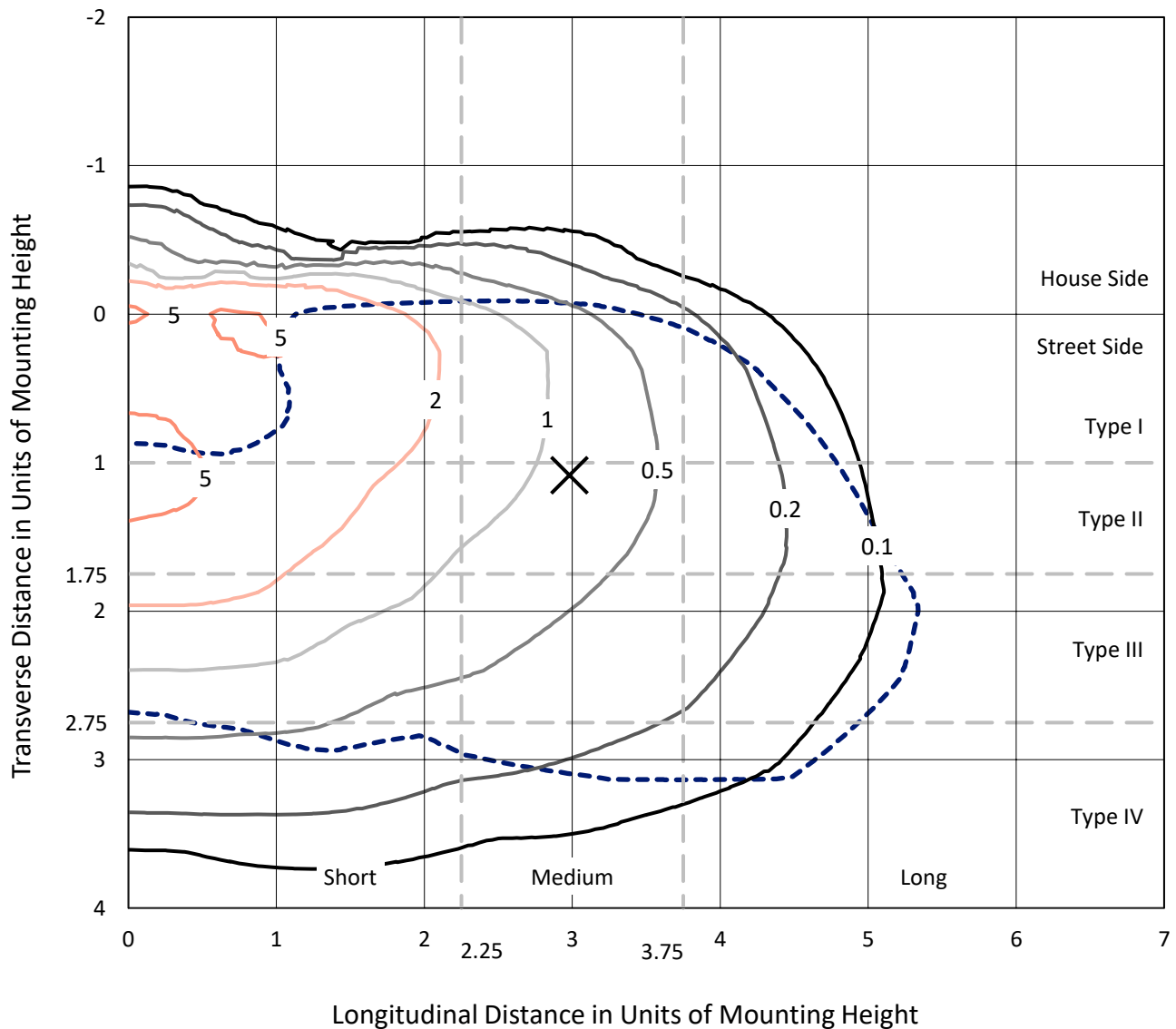


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

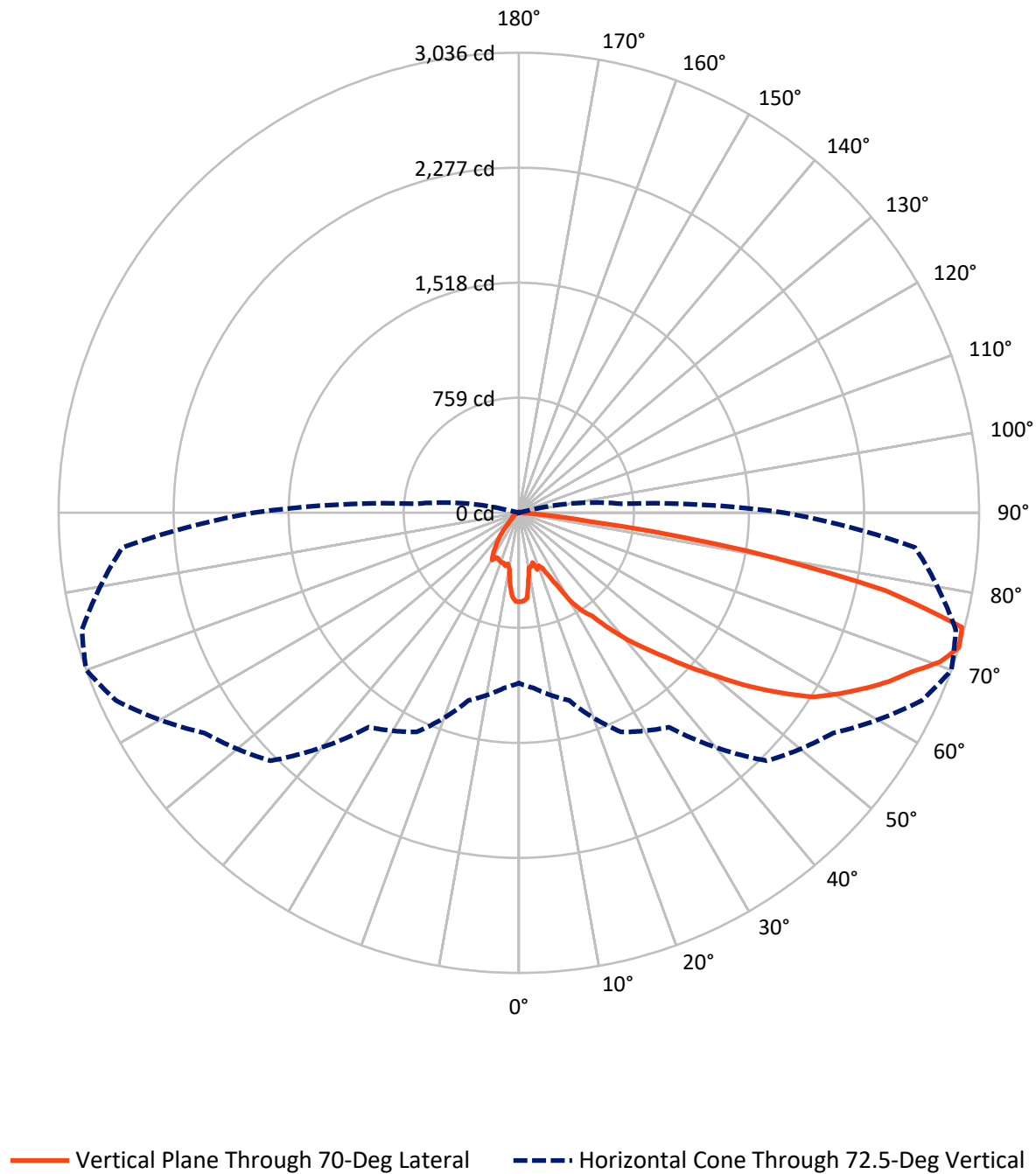


Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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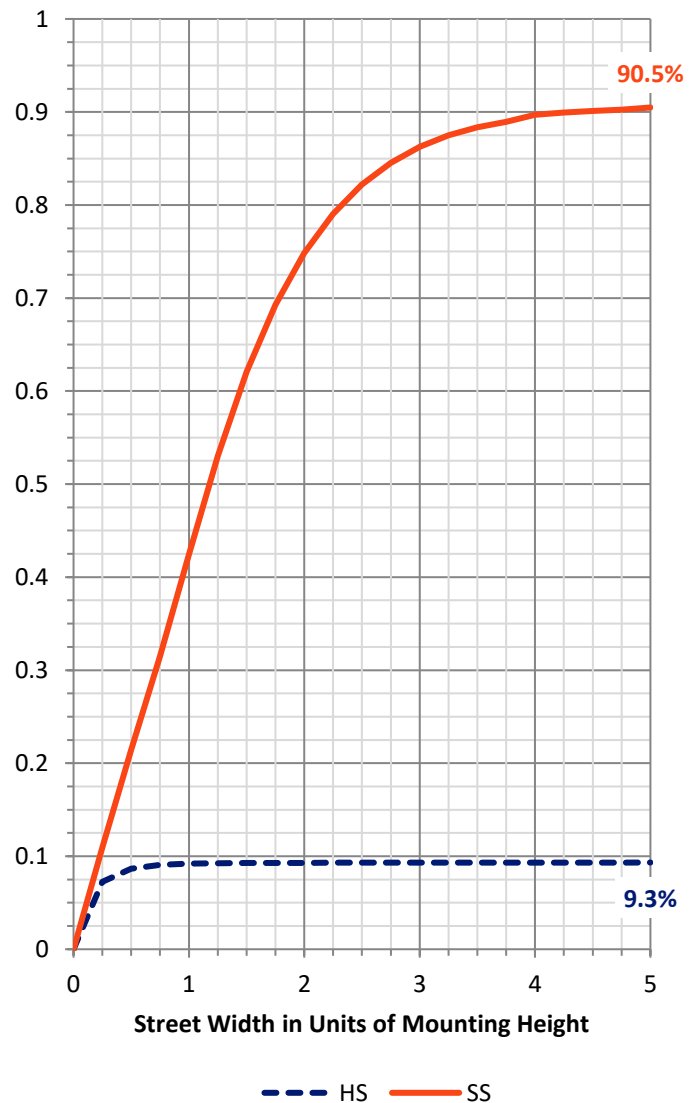
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	416.3	0.0	416.3
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	3999.6	0.0	3999.6
	% Fixture	90.6	0.0	90.6
Total	Lumens	4415.9	0.0	4415.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.2	1.0
10°-20°	90.4	2.0
20°-30°	147.3	3.3
30°-40°	314.4	7.1
40°-50°	605.7	13.7
50°-60°	1001.8	22.7
60°-70°	1226.3	27.8
70°-80°	898.4	20.3
80°-90°	86.3	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°	4415.9	100.0
0°-180°	4415.9	100.0

Coefficient of Utilization



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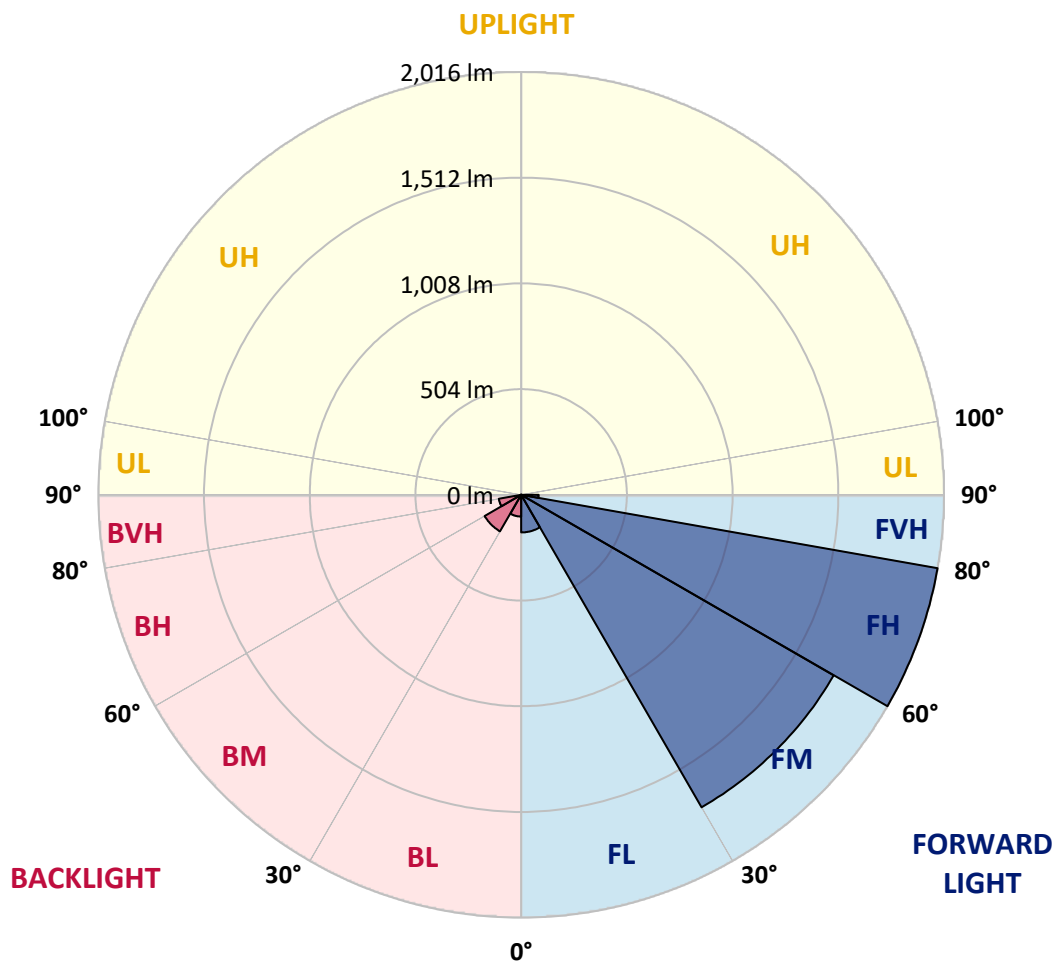
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	179.3	4.1			
FM	(30°-60°)	1720.8	39.0			
FH	(60°-80°)	2016.3	45.7			G2/5000
FVH	(80°-90°)	83.2	1.9			G1/100
BL	(0°-30°)	103.7	2.3	B0/110		
BM	(30°-60°)	201.2	4.6	B0/220		
BH	(60°-80°)	108.4	2.5	B0/110		G0/110
BVH	(80°-90°)	3.0	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7
2.5°	522.6	537.8	546.5	555.1	553.0	550.8	555.1	559.5	568.1	574.6	579.0
5°	470.6	470.6	470.6	470.6	472.7	472.7	472.7	472.7	474.9	477.1	479.2
7.5°	407.7	416.3	420.7	425.0	435.9	444.5	453.2	461.9	466.2	468.4	470.6
10°	442.4	442.4	442.4	442.4	444.5	444.5	416.3	386.0	388.2	390.3	377.3
12.5°	366.5	364.3	388.2	409.8	425.0	438.0	422.9	405.5	379.5	351.3	347.0
15°	431.5	431.5	431.5	431.5	401.2	370.8	349.1	327.4	344.8	360.0	325.3
17.5°	340.5	349.1	375.1	401.2	401.2	401.2	381.7	362.1	325.3	286.2	327.4
20°	422.9	422.9	422.9	420.7	370.8	320.9	338.3	353.5	368.6	383.8	377.3
22.5°	351.3	347.0	353.5	360.0	375.1	388.2	344.8	299.2	349.1	396.8	373.0
25°	444.5	444.5	446.7	446.7	399.0	351.3	379.5	405.5	368.6	331.8	390.3
27.5°	401.2	388.2	386.0	381.7	396.8	409.8	390.3	370.8	412.0	453.2	433.7
30°	557.3	557.3	542.1	526.9	468.4	407.7	414.2	418.5	418.5	418.5	461.9
32.5°	774.1	776.3	717.8	657.0	605.0	550.8	503.1	453.2	479.2	505.3	533.4
35°	1043.0	1049.5	1008.3	965.0	837.0	709.1	628.9	548.6	546.5	542.1	583.3
37.5°	1236.0	1249.0	1216.5	1184.0	1032.2	880.4	765.5	650.5	639.7	626.7	641.9
40°	1418.2	1409.5	1390.0	1368.3	1207.8	1045.2	919.4	791.5	763.3	732.9	735.1
42.5°	1654.5	1628.5	1578.6	1528.8	1374.8	1220.9	1086.4	952.0	906.4	860.9	852.2
45°	1960.3	1916.9	1845.4	1771.6	1619.9	1468.1	1303.3	1136.3	1079.9	1021.4	1008.3
47.5°	2116.4	2086.1	2040.5	1992.8	1836.7	1680.6	1522.3	1361.8	1283.7	1203.5	1181.8
50°	2300.8	2261.7	2231.4	2198.8	2064.4	1927.8	1780.3	1630.7	1526.6	1422.5	1385.7
52.5°	2476.4	2411.3	2383.2	2352.8	2246.5	2138.1	1984.2	1830.2	1763.0	1693.6	1604.7
55°	2539.3	2476.4	2463.4	2450.4	2374.5	2298.6	2157.6	2016.7	1938.6	1858.4	1786.8
57.5°	2402.7	2411.3	2450.4	2489.4	2446.0	2402.7	2287.7	2170.6	2083.9	1997.2	1956.0
60°	2309.4	2328.9	2387.5	2446.0	2446.0	2446.0	2383.2	2320.3	2237.9	2155.5	2127.3
62.5°	2159.8	2183.7	2272.6	2361.5	2417.8	2474.2	2407.0	2339.8	2311.6	2281.2	2255.2
65°	1962.5	1969.0	2068.7	2168.5	2285.6	2400.5	2337.6	2272.6	2326.8	2381.0	2355.0
67.5°	1734.8	1745.6	1838.9	1929.9	2068.7	2207.5	2190.2	2170.6	2289.9	2409.2	2407.0
70°	1463.7	1483.2	1563.5	1641.5	1797.7	1951.6	1969.0	1986.3	2192.3	2396.2	2435.2
72.5°	1123.3	1162.3	1223.0	1281.6	1439.9	1596.0	1661.1	1726.1	2021.0	2313.8	2424.4
75°	373.0	399.0	568.1	735.1	895.6	1056.0	1199.2	1340.1	1708.8	2075.2	2305.1
77.5°	108.4	112.8	145.3	175.6	301.4	425.0	572.5	717.8	1077.7	1435.5	1817.2
80°	56.4	58.5	65.1	71.6	104.1	136.6	197.3	255.9	420.7	585.5	986.7
82.5°	39.0	39.0	45.5	49.9	62.9	75.9	108.4	141.0	154.0	167.0	396.8
85°	13.0	13.0	17.3	21.7	30.4	39.0	58.5	75.9	75.9	73.7	106.3
87.5°	2.2	2.2	4.3	6.5	10.8	13.0	10.8	8.7	6.5	4.3	8.7
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°	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7
2.5°	581.2	583.3	583.3	583.3	585.5	585.5	585.5	585.5	583.3	585.5	585.5
5°	479.2	518.3	555.1	566.0	572.5	574.6	574.6	574.6	572.5	572.5	572.5
7.5°	472.7	470.6	468.4	451.0	492.2	500.9	507.4	505.3	505.3	494.4	481.4
10°	364.3	364.3	364.3	368.6	392.5	420.7	448.9	448.9	448.9	416.3	383.8
12.5°	340.5	353.5	364.3	364.3	325.3	357.8	390.3	390.3	390.3	357.8	323.1
15°	290.6	305.8	318.8	340.5	405.5	444.5	483.6	483.6	481.4	444.5	405.5
17.5°	366.5	362.1	355.6	394.7	370.8	377.3	383.8	364.3	392.5	381.7	370.8
20°	370.8	331.8	290.6	373.0	457.5	494.4	531.3	533.4	526.9	485.7	442.4
22.5°	349.1	399.0	446.7	394.7	407.7	399.0	388.2	383.8	383.8	381.7	379.5
25°	446.7	399.0	351.3	461.9	540.0	566.0	592.0	585.5	576.8	518.3	459.7
27.5°	412.0	459.7	505.3	548.6	587.7	611.5	635.4	702.6	611.5	544.3	474.9
30°	503.1	561.6	618.0	680.9	800.2	834.9	869.6	852.2	830.5	700.4	570.3
32.5°	559.5	652.7	743.8	772.0	843.5	876.1	906.4	891.2	865.2	693.9	522.6
35°	622.4	709.1	793.7	839.2	925.9	952.0	975.8	952.0	923.8	687.4	451.0
37.5°	657.0	774.1	889.1	967.1	1040.9	1047.4	1051.7	1030.0	993.2	687.4	381.7
40°	737.3	863.1	986.7	1099.4	1158.0	1160.1	1162.3	1127.6	1060.4	680.9	299.2
42.5°	843.5	971.5	1097.2	1220.9	1298.9	1292.4	1283.7	1236.0	1125.4	670.1	214.7
45°	995.3	1108.1	1220.9	1359.6	1455.0	1437.7	1418.2	1346.6	1171.0	659.2	145.3
47.5°	1158.0	1246.9	1333.6	1524.4	1645.9	1609.0	1570.0	1465.9	1203.5	654.9	104.1
50°	1346.6	1418.2	1489.7	1697.9	1843.2	1773.8	1704.4	1585.2	1216.5	650.5	82.4
52.5°	1513.6	1587.3	1658.9	1901.8	2012.3	1934.3	1856.2	1678.4	1210.0	641.9	71.6
55°	1713.1	1778.1	1843.2	2096.9	2185.8	2081.7	1975.5	1745.6	1177.5	622.4	65.1
57.5°	1912.6	1979.8	2044.9	2292.1	2318.1	2216.2	2112.1	1810.7	1145.0	602.8	58.5
60°	2099.1	2175.0	2250.9	2424.4	2443.9	2352.8	2261.7	1873.6	1092.9	572.5	52.0
62.5°	2229.2	2333.3	2437.4	2554.5	2563.1	2480.7	2396.2	1921.3	1025.7	537.8	47.7
65°	2326.8	2469.9	2610.8	2682.4	2678.1	2619.5	2561.0	1962.5	971.5	505.3	39.0
67.5°	2402.7	2576.1	2749.6	2797.3	2808.2	2754.0	2699.8	1969.0	904.3	468.4	30.4
70°	2474.2	2665.1	2855.9	2947.0	2925.3	2840.7	2756.1	1919.1	813.2	418.5	21.7
72.5°	2532.8	2732.3	2931.8	3035.9	2983.8	2803.8	2623.9	1750.0	680.9	349.1	15.2
75°	2532.8	2732.3	2929.6	3018.5	2840.7	2482.9	2122.9	1303.3	399.0	206.0	13.0
77.5°	2198.8	2344.1	2489.4	2476.4	2164.1	1719.6	1272.9	750.3	134.4	73.7	10.8
80°	1387.8	1483.2	1578.6	1530.9	1105.9	793.7	479.2	251.5	47.7	28.2	8.7
82.5°	626.7	615.8	605.0	466.2	216.8	145.3	71.6	43.4	13.0	8.7	4.3
85°	138.8	134.4	130.1	95.4	65.1	43.4	21.7	13.0	6.5	6.5	4.3
87.5°	13.0	15.2	15.2	10.8	10.8	8.7	4.3	4.3	4.3	4.3	4.3
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°	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7	587.7
2.5°	585.5	585.5	585.5	583.3	583.3	583.3	568.1	550.8	540.0	526.9	520.4
5°	553.0	533.4	509.6	485.7	481.4	474.9	477.1	477.1	479.2	479.2	479.2
7.5°	470.6	459.7	464.1	468.4	468.4	468.4	468.4	466.2	464.1	461.9	440.2
10°	375.1	366.5	366.5	366.5	373.0	377.3	366.5	353.5	373.0	390.3	386.0
12.5°	344.8	366.5	338.3	307.9	312.3	314.4	314.4	312.3	303.6	294.9	264.6
15°	360.0	314.4	288.4	260.2	260.2	260.2	210.3	160.5	149.6	138.8	141.0
17.5°	344.8	318.8	288.4	255.9	193.0	127.9	121.4	112.8	112.8	112.8	114.9
20°	347.0	251.5	212.5	173.5	138.8	101.9	95.4	86.7	82.4	75.9	88.9
22.5°	340.5	299.2	203.8	108.4	95.4	82.4	75.9	67.2	78.1	88.9	88.9
25°	329.6	197.3	147.5	95.4	80.2	65.1	73.7	80.2	75.9	69.4	80.2
27.5°	331.8	186.5	127.9	69.4	73.7	75.9	71.6	65.1	71.6	75.9	71.6
30°	357.8	145.3	108.4	69.4	67.2	62.9	65.1	67.2	65.1	60.7	65.1
32.5°	318.8	114.9	91.1	65.1	62.9	60.7	58.5	56.4	58.5	58.5	58.5
35°	268.9	86.7	73.7	60.7	56.4	52.0	52.0	49.9	49.9	49.9	49.9
37.5°	227.7	73.7	65.1	54.2	49.9	45.5	43.4	39.0	39.0	36.9	36.9
40°	184.3	67.2	58.5	47.7	43.4	36.9	34.7	30.4	30.4	28.2	28.2
42.5°	138.8	60.7	52.0	41.2	36.9	30.4	26.0	21.7	21.7	19.5	19.5
45°	99.7	54.2	45.5	34.7	30.4	23.9	19.5	15.2	15.2	13.0	13.0
47.5°	78.1	49.9	41.2	30.4	23.9	17.3	15.2	10.8	10.8	10.8	10.8
50°	62.9	43.4	34.7	23.9	17.3	10.8	8.7	6.5	6.5	6.5	6.5
52.5°	56.4	39.0	30.4	19.5	15.2	8.7	6.5	4.3	6.5	6.5	6.5
55°	49.9	34.7	26.0	15.2	10.8	6.5	6.5	4.3	6.5	6.5	6.5
57.5°	45.5	30.4	21.7	10.8	8.7	4.3	4.3	2.2	4.3	4.3	4.3
60°	39.0	26.0	17.3	8.7	6.5	2.2	2.2	2.2	4.3	4.3	4.3
62.5°	34.7	21.7	15.2	6.5	4.3	2.2	2.2	2.2	4.3	4.3	4.3
65°	28.2	15.2	10.8	4.3	4.3	2.2	2.2	2.2	4.3	4.3	4.3
67.5°	21.7	10.8	8.7	4.3	4.3	2.2	2.2	2.2	4.3	4.3	2.2
70°	15.2	8.7	6.5	2.2	2.2	2.2	2.2	2.2	4.3	4.3	2.2
72.5°	10.8	6.5	4.3	2.2	2.2	0.0	2.2	2.2	4.3	4.3	4.3
75°	10.8	6.5	4.3	2.2	2.2	0.0	2.2	4.3	4.3	4.3	4.3
77.5°	8.7	4.3	4.3	2.2	2.2	0.0	2.2	4.3	4.3	4.3	4.3
80°	6.5	4.3	4.3	2.2	2.2	0.0	4.3	6.5	6.5	6.5	4.3
82.5°	4.3	4.3	4.3	2.2	2.2	0.0	4.3	6.5	6.5	6.5	4.3
85°	4.3	4.3	4.3	4.3	2.2	0.0	4.3	6.5	6.5	6.5	6.5
87.5°	4.3	4.3	4.3	4.3	4.3	2.2	6.5	8.7	8.7	6.5	6.5
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):

	165°	170°	175°	180°
0°	587.7	587.7	587.7	587.7
2.5°	511.8	511.8	509.6	516.1
5°	479.2	479.2	479.2	481.4
7.5°	416.3	401.2	386.0	388.2
10°	379.5	375.1	368.6	373.0
12.5°	234.2	221.2	206.0	199.5
15°	143.1	143.1	143.1	141.0
17.5°	117.1	108.4	97.6	99.7
20°	101.9	104.1	106.3	106.3
22.5°	88.9	84.6	80.2	80.2
25°	88.9	88.9	88.9	88.9
27.5°	67.2	67.2	65.1	65.1
30°	69.4	69.4	67.2	65.1
32.5°	56.4	56.4	56.4	56.4
35°	47.7	45.5	43.4	43.4
37.5°	36.9	34.7	32.5	32.5
40°	26.0	26.0	23.9	23.9
42.5°	19.5	19.5	17.3	17.3
45°	13.0	13.0	13.0	13.0
47.5°	8.7	8.7	8.7	8.7
50°	6.5	6.5	6.5	6.5
52.5°	6.5	6.5	4.3	4.3
55°	4.3	4.3	4.3	4.3
57.5°	4.3	4.3	4.3	4.3
60°	4.3	4.3	2.2	2.2
62.5°	2.2	2.2	2.2	2.2
65°	2.2	2.2	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°	2.2	2.2	0.0	0.0
75°	2.2	2.2	0.0	0.0
77.5°	2.2	2.2	0.0	0.0
80°	2.2	2.2	0.0	0.0
82.5°	2.2	2.2	2.2	0.0
85°	4.3	4.3	2.2	0.0
87.5°	4.3	4.3	2.2	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)