

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: P560698

Luminaire Tested: **SDL-PA1-60-727-U-T3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560698
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-PA1-60-727-U-T3-HSS
Description: Springdale
(1) 70 CRI, 2700K, 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: 4647.4 lumens
Efficiency: N/A
Efficacy: 74.5 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): 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



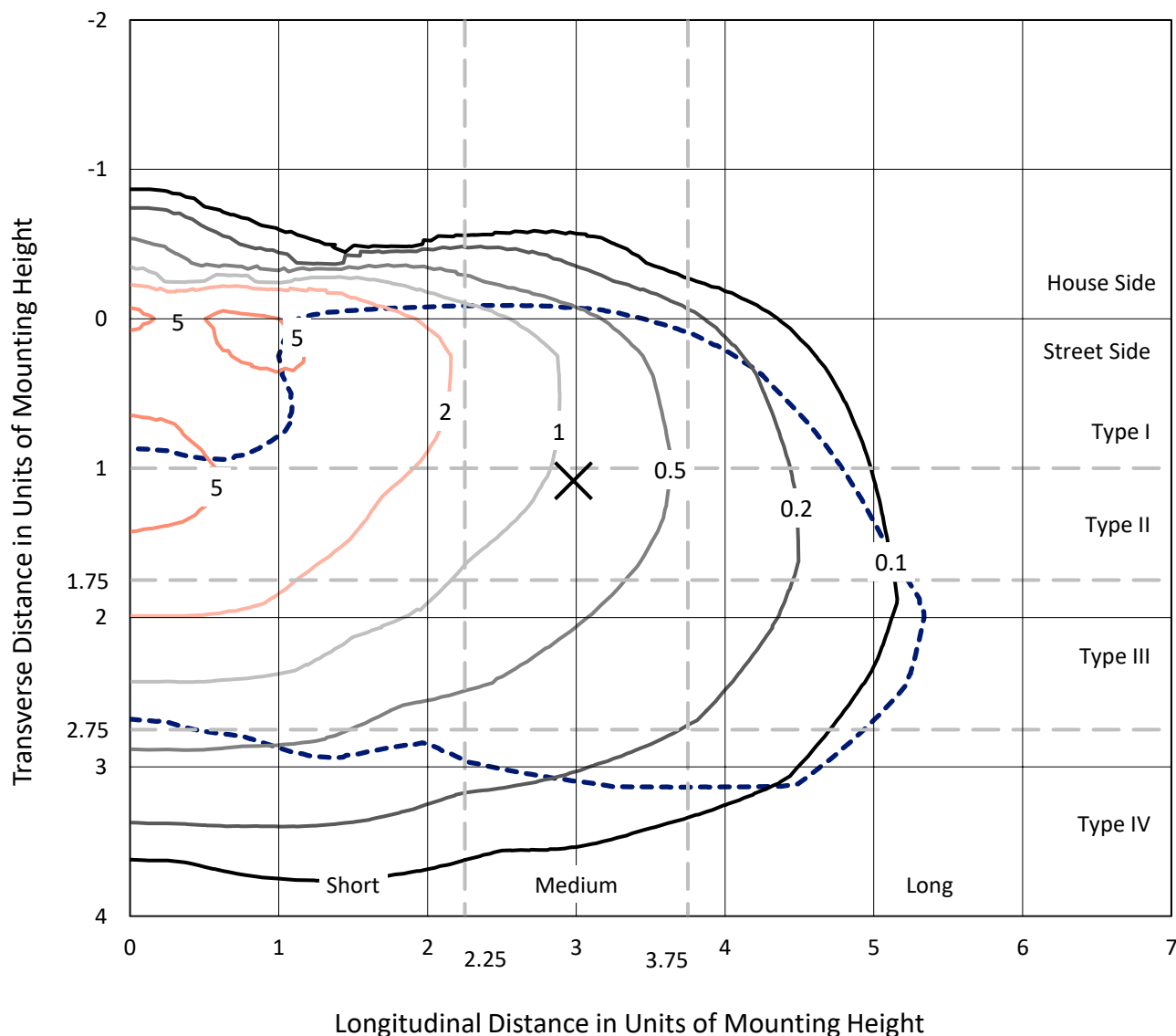
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

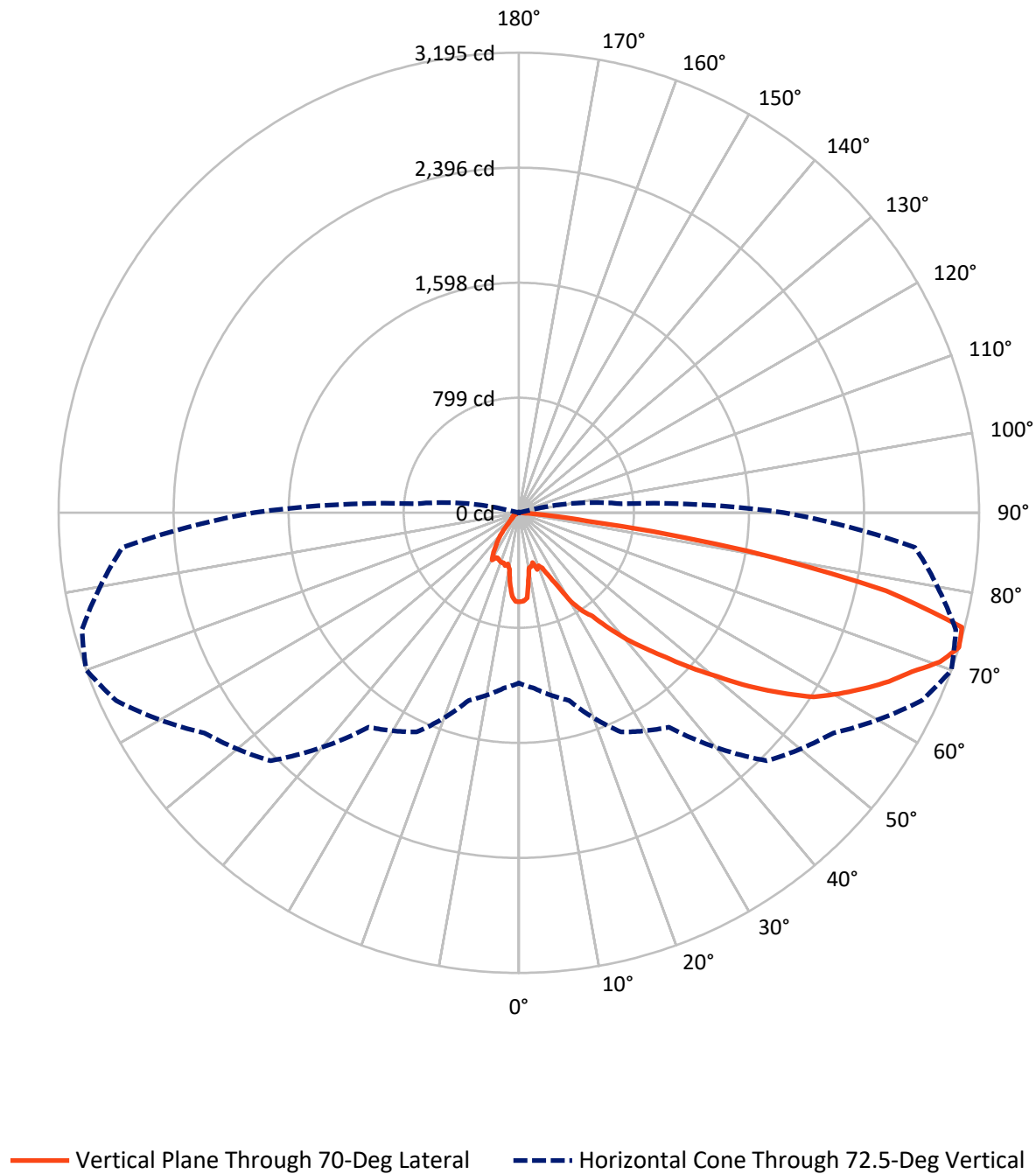


Based on 10 foot mounting height. Maximum calculated value = 7.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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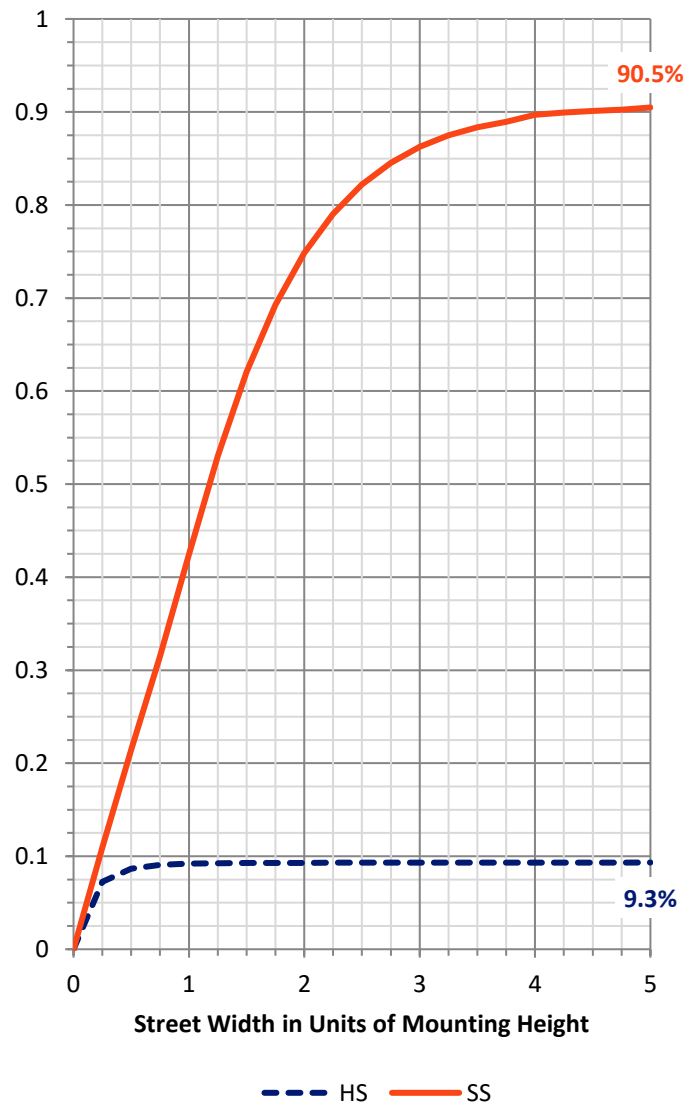
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	438.2	0.0	438.2
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	4209.3	0.0	4209.3
	% Fixture	90.6	0.0	90.6
Total	Lumens	4647.4	0.0	4647.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.6	1.0
10°-20°	95.2	2.0
20°-30°	155.1	3.3
30°-40°	330.8	7.1
40°-50°	637.5	13.7
50°-60°	1054.4	22.7
60°-70°	1290.6	27.8
70°-80°	945.5	20.3
80°-90°	90.8	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°	4647.4	100.0
0°-180°	4647.4	100.0

Coefficient of Utilization



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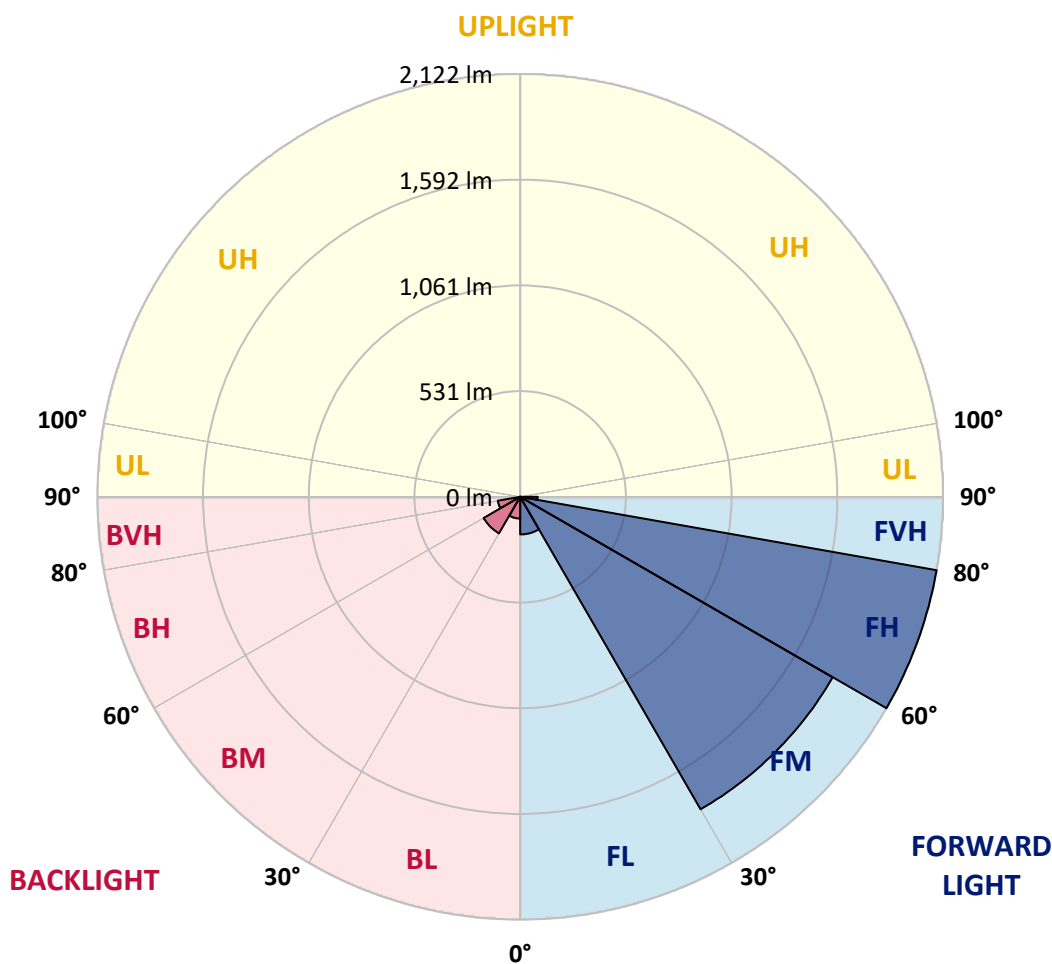
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	188.7	4.1			
FM	(30°-60°)	1811.0	39.0			
FH	(60°-80°)	2122.0	45.7			G2/5000
FVH	(80°-90°)	87.6	1.9			G1/100
BL	(0°-30°)	109.1	2.3	B0/110		
BM	(30°-60°)	211.7	4.6	B0/220		
BH	(60°-80°)	114.1	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°	618.5	618.5	618.5	618.5	618.5	618.5	618.5	618.5	618.5	618.5	618.5
2.5°	550.0	566.0	575.1	584.2	582.0	579.7	584.2	588.8	597.9	604.8	609.3
5°	495.2	495.2	495.2	495.2	497.5	497.5	497.5	497.5	499.8	502.1	504.4
7.5°	429.0	438.2	442.7	447.3	458.7	467.8	477.0	486.1	490.7	493.0	495.2
10°	465.6	465.6	465.6	465.6	467.8	467.8	438.2	406.2	408.5	410.8	397.1
12.5°	385.7	383.4	408.5	431.3	447.3	461.0	445.0	426.8	399.4	369.7	365.1
15°	454.2	454.2	454.2	454.2	422.2	390.3	367.4	344.6	362.9	378.8	342.3
17.5°	358.3	367.4	394.8	422.2	422.2	422.2	401.7	381.1	342.3	301.2	344.6
20°	445.0	445.0	445.0	442.7	390.3	337.8	356.0	372.0	388.0	403.9	397.1
22.5°	369.7	365.1	372.0	378.8	394.8	408.5	362.9	314.9	367.4	417.6	392.5
25°	467.8	467.8	470.1	470.1	419.9	369.7	399.4	426.8	388.0	349.2	410.8
27.5°	422.2	408.5	406.2	401.7	417.6	431.3	410.8	390.3	433.6	477.0	456.4
30°	586.5	586.5	570.5	554.6	493.0	429.0	435.9	440.5	440.5	440.5	486.1
32.5°	814.7	817.0	755.4	691.5	636.7	579.7	529.5	477.0	504.4	531.7	561.4
35°	1097.7	1104.6	1061.2	1015.6	880.9	746.3	661.8	577.4	575.1	570.5	613.9
37.5°	1300.8	1314.5	1280.3	1246.1	1086.3	926.6	805.6	684.7	673.2	659.5	675.5
40°	1492.5	1483.4	1462.9	1440.1	1271.2	1100.0	967.6	833.0	803.3	771.4	773.7
42.5°	1741.3	1713.9	1661.4	1608.9	1446.9	1284.9	1143.4	1001.9	953.9	906.0	896.9
45°	2063.1	2017.4	1942.1	1864.5	1704.8	1545.0	1371.6	1195.9	1136.5	1074.9	1061.2
47.5°	2227.4	2195.5	2147.5	2097.3	1933.0	1768.7	1602.1	1433.2	1351.0	1266.6	1243.8
50°	2421.4	2380.3	2348.4	2314.1	2172.6	2028.9	1873.7	1716.2	1606.7	1497.1	1458.3
52.5°	2606.2	2537.8	2508.1	2476.2	2364.3	2250.2	2088.2	1926.2	1855.4	1782.4	1688.8
55°	2672.4	2606.2	2592.6	2578.9	2499.0	2419.1	2270.8	2122.4	2040.3	1955.8	1880.5
57.5°	2528.7	2537.8	2578.9	2619.9	2574.3	2528.7	2407.7	2284.5	2193.2	2101.9	2058.5
60°	2430.5	2451.1	2512.7	2574.3	2574.3	2574.3	2508.1	2441.9	2355.2	2268.5	2238.8
62.5°	2273.0	2298.2	2391.7	2485.3	2544.6	2604.0	2533.2	2462.5	2432.8	2400.8	2373.5
65°	2065.4	2072.2	2177.2	2282.2	2405.4	2526.4	2460.2	2391.7	2448.8	2505.8	2478.4
67.5°	1825.7	1837.2	1935.3	2031.1	2177.2	2323.3	2305.0	2284.5	2410.0	2535.5	2533.2
70°	1540.5	1561.0	1645.4	1727.6	1891.9	2054.0	2072.2	2090.5	2307.3	2521.8	2562.9
72.5°	1182.2	1223.2	1287.1	1348.8	1515.4	1679.7	1748.1	1816.6	2127.0	2435.1	2551.5
75°	392.5	419.9	597.9	773.7	942.5	1111.4	1262.0	1410.4	1798.4	2184.0	2426.0
77.5°	114.1	118.7	152.9	184.9	317.2	447.3	602.5	755.4	1134.2	1510.8	1912.5
80°	59.3	61.6	68.5	75.3	109.5	143.8	207.7	269.3	442.7	616.2	1038.4
82.5°	41.1	41.1	47.9	52.5	66.2	79.9	114.1	148.3	162.0	175.7	417.6
85°	13.7	13.7	18.3	22.8	32.0	41.1	61.6	79.9	79.9	77.6	111.8
87.5°	2.3	2.3	4.6	6.8	11.4	13.7	11.4	9.1	6.8	4.6	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°	618.5	618.5	618.5	618.5	618.5	618.5	618.5	618.5	618.5	618.5	618.5
2.5°	611.6	613.9	613.9	613.9	616.2	616.2	616.2	616.2	613.9	616.2	616.2
5°	504.4	545.4	584.2	595.6	602.5	604.8	604.8	604.8	602.5	602.5	602.5
7.5°	497.5	495.2	493.0	474.7	518.1	527.2	534.0	531.7	531.7	520.3	506.6
10°	383.4	383.4	383.4	388.0	413.1	442.7	472.4	472.4	472.4	438.2	403.9
12.5°	358.3	372.0	383.4	383.4	342.3	376.6	410.8	410.8	410.8	376.6	340.0
15°	305.8	321.8	335.5	358.3	426.8	467.8	508.9	508.9	506.6	467.8	426.8
17.5°	385.7	381.1	374.3	415.4	390.3	397.1	403.9	383.4	413.1	401.7	390.3
20°	390.3	349.2	305.8	392.5	481.5	520.3	559.1	561.4	554.6	511.2	465.6
22.5°	367.4	419.9	470.1	415.4	429.0	419.9	408.5	403.9	403.9	401.7	399.4
25°	470.1	419.9	369.7	486.1	568.3	595.6	623.0	616.2	607.1	545.4	483.8
27.5°	433.6	483.8	531.7	577.4	618.5	643.6	668.7	739.4	643.6	572.8	499.8
30°	529.5	591.1	650.4	716.6	842.1	878.6	915.2	896.9	874.1	737.1	600.2
32.5°	588.8	686.9	782.8	812.5	887.8	922.0	953.9	938.0	910.6	730.3	550.0
35°	655.0	746.3	835.3	883.2	974.5	1001.9	1027.0	1001.9	972.2	723.5	474.7
37.5°	691.5	814.7	935.7	1017.9	1095.4	1102.3	1106.9	1084.0	1045.2	723.5	401.7
40°	775.9	908.3	1038.4	1157.1	1218.7	1221.0	1223.2	1186.7	1116.0	716.6	314.9
42.5°	887.8	1022.4	1154.8	1284.9	1367.0	1360.2	1351.0	1300.8	1184.4	705.2	225.9
45°	1047.5	1166.2	1284.9	1430.9	1531.3	1513.1	1492.5	1417.2	1232.4	693.8	152.9
47.5°	1218.7	1312.3	1403.5	1604.4	1732.2	1693.4	1652.3	1542.8	1266.6	689.2	109.5
50°	1417.2	1492.5	1567.9	1786.9	1939.9	1866.8	1793.8	1668.3	1280.3	684.7	86.7
52.5°	1593.0	1670.6	1745.9	2001.5	2117.9	2035.7	1953.5	1766.4	1273.5	675.5	75.3
55°	1802.9	1871.4	1939.9	2206.9	2300.4	2190.9	2079.1	1837.2	1239.2	655.0	68.5
57.5°	2012.9	2083.6	2152.1	2412.3	2439.6	2332.4	2222.8	1905.6	1205.0	634.4	61.6
60°	2209.1	2289.0	2368.9	2551.5	2572.0	2476.2	2380.3	1971.8	1150.2	602.5	54.8
62.5°	2346.1	2455.6	2565.2	2688.4	2697.5	2610.8	2521.8	2022.0	1079.5	566.0	50.2
65°	2448.8	2599.4	2747.7	2823.1	2818.5	2756.9	2695.3	2065.4	1022.4	531.7	41.1
67.5°	2528.7	2711.2	2893.8	2944.0	2955.4	2898.4	2841.3	2072.2	951.7	493.0	32.0
70°	2604.0	2804.8	3005.6	3101.5	3078.7	2989.7	2900.6	2019.7	855.8	440.5	22.8
72.5°	2665.6	2875.5	3085.5	3195.0	3140.3	2950.9	2761.4	1841.7	716.6	367.4	16.0
75°	2665.6	2875.5	3083.2	3176.8	2989.7	2613.1	2234.3	1371.6	419.9	216.8	13.7
77.5°	2314.1	2467.0	2619.9	2606.2	2277.6	1809.8	1339.6	789.6	141.5	77.6	11.4
80°	1460.6	1561.0	1661.4	1611.2	1163.9	835.3	504.4	264.7	50.2	29.7	9.1
82.5°	659.5	648.1	636.7	490.7	228.2	152.9	75.3	45.6	13.7	9.1	4.6
85°	146.1	141.5	136.9	100.4	68.5	45.6	22.8	13.7	6.8	6.8	4.6
87.5°	13.7	16.0	16.0	11.4	11.4	9.1	4.6	4.6	4.6	4.6	4.6
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	618.5	618.5	618.5	618.5	618.5	618.5	618.5	618.5	618.5	618.5	618.5
2.5°	616.2	616.2	616.2	613.9	613.9	613.9	597.9	579.7	568.3	554.6	547.7
5°	582.0	561.4	536.3	511.2	506.6	499.8	502.1	502.1	504.4	504.4	504.4
7.5°	495.2	483.8	488.4	493.0	493.0	493.0	493.0	490.7	488.4	486.1	463.3
10°	394.8	385.7	385.7	385.7	392.5	397.1	385.7	372.0	392.5	410.8	406.2
12.5°	362.9	385.7	356.0	324.1	328.6	330.9	330.9	328.6	319.5	310.4	278.4
15°	378.8	330.9	303.5	273.9	273.9	273.9	221.4	168.9	157.5	146.1	148.3
17.5°	362.9	335.5	303.5	269.3	203.1	134.6	127.8	118.7	118.7	118.7	121.0
20°	365.1	264.7	223.7	182.6	146.1	107.3	100.4	91.3	86.7	79.9	93.6
22.5°	358.3	314.9	214.5	114.1	100.4	86.7	79.9	70.7	82.2	93.6	93.6
25°	346.9	207.7	155.2	100.4	84.4	68.5	77.6	84.4	79.9	73.0	84.4
27.5°	349.2	196.3	134.6	73.0	77.6	79.9	75.3	68.5	75.3	79.9	75.3
30°	376.6	152.9	114.1	73.0	70.7	66.2	68.5	70.7	68.5	63.9	68.5
32.5°	335.5	121.0	95.9	68.5	66.2	63.9	61.6	59.3	61.6	61.6	61.6
35°	283.0	91.3	77.6	63.9	59.3	54.8	54.8	52.5	52.5	52.5	52.5
37.5°	239.6	77.6	68.5	57.1	52.5	47.9	45.6	41.1	41.1	38.8	38.8
40°	194.0	70.7	61.6	50.2	45.6	38.8	36.5	32.0	32.0	29.7	29.7
42.5°	146.1	63.9	54.8	43.4	38.8	32.0	27.4	22.8	22.8	20.5	20.5
45°	105.0	57.1	47.9	36.5	32.0	25.1	20.5	16.0	16.0	13.7	13.7
47.5°	82.2	52.5	43.4	32.0	25.1	18.3	16.0	11.4	11.4	11.4	11.4
50°	66.2	45.6	36.5	25.1	18.3	11.4	9.1	6.8	6.8	6.8	6.8
52.5°	59.3	41.1	32.0	20.5	16.0	9.1	6.8	4.6	6.8	6.8	6.8
55°	52.5	36.5	27.4	16.0	11.4	6.8	6.8	4.6	6.8	6.8	6.8
57.5°	47.9	32.0	22.8	11.4	9.1	4.6	4.6	2.3	4.6	4.6	4.6
60°	41.1	27.4	18.3	9.1	6.8	2.3	2.3	2.3	4.6	4.6	4.6
62.5°	36.5	22.8	16.0	6.8	4.6	2.3	2.3	2.3	4.6	4.6	4.6
65°	29.7	16.0	11.4	4.6	4.6	2.3	2.3	2.3	4.6	4.6	4.6
67.5°	22.8	11.4	9.1	4.6	4.6	2.3	2.3	2.3	4.6	4.6	2.3
70°	16.0	9.1	6.8	2.3	2.3	2.3	2.3	2.3	4.6	4.6	2.3
72.5°	11.4	6.8	4.6	2.3	2.3	0.0	2.3	2.3	4.6	4.6	4.6
75°	11.4	6.8	4.6	2.3	2.3	0.0	2.3	4.6	4.6	4.6	4.6
77.5°	9.1	4.6	4.6	2.3	2.3	0.0	2.3	4.6	4.6	4.6	4.6
80°	6.8	4.6	4.6	2.3	2.3	0.0	4.6	6.8	6.8	6.8	4.6
82.5°	4.6	4.6	4.6	2.3	2.3	0.0	4.6	6.8	6.8	6.8	4.6
85°	4.6	4.6	4.6	4.6	2.3	0.0	4.6	6.8	6.8	6.8	6.8
87.5°	4.6	4.6	4.6	4.6	4.6	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°	618.5	618.5	618.5	618.5
2.5°	538.6	538.6	536.3	543.2
5°	504.4	504.4	504.4	506.6
7.5°	438.2	422.2	406.2	408.5
10°	399.4	394.8	388.0	392.5
12.5°	246.5	232.8	216.8	210.0
15°	150.6	150.6	150.6	148.3
17.5°	123.2	114.1	102.7	105.0
20°	107.3	109.5	111.8	111.8
22.5°	93.6	89.0	84.4	84.4
25°	93.6	93.6	93.6	93.6
27.5°	70.7	70.7	68.5	68.5
30°	73.0	73.0	70.7	68.5
32.5°	59.3	59.3	59.3	59.3
35°	50.2	47.9	45.6	45.6
37.5°	38.8	36.5	34.2	34.2
40°	27.4	27.4	25.1	25.1
42.5°	20.5	20.5	18.3	18.3
45°	13.7	13.7	13.7	13.7
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	4.6	4.6
55°	4.6	4.6	4.6	4.6
57.5°	4.6	4.6	4.6	4.6
60°	4.6	4.6	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°	4.6	4.6	2.3	0.0
87.5°	4.6	4.6	2.3	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)