

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: P560797

Luminaire Tested: **SDL-PA1-60-827-U-SL3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560797
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-16)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-60-827-U-SL3
Description: Springdale
(1) 80 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5480.8 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type III - 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

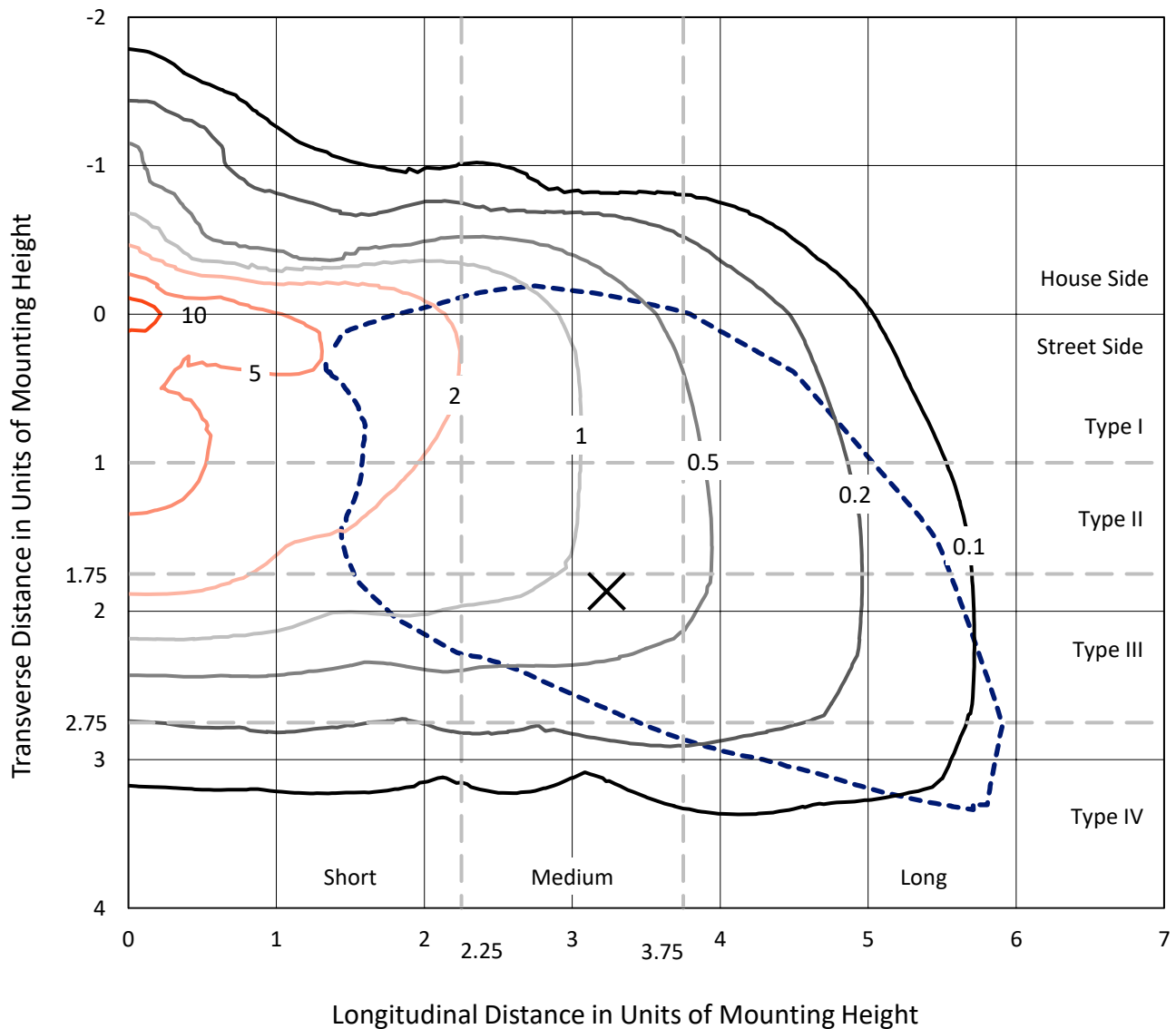


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

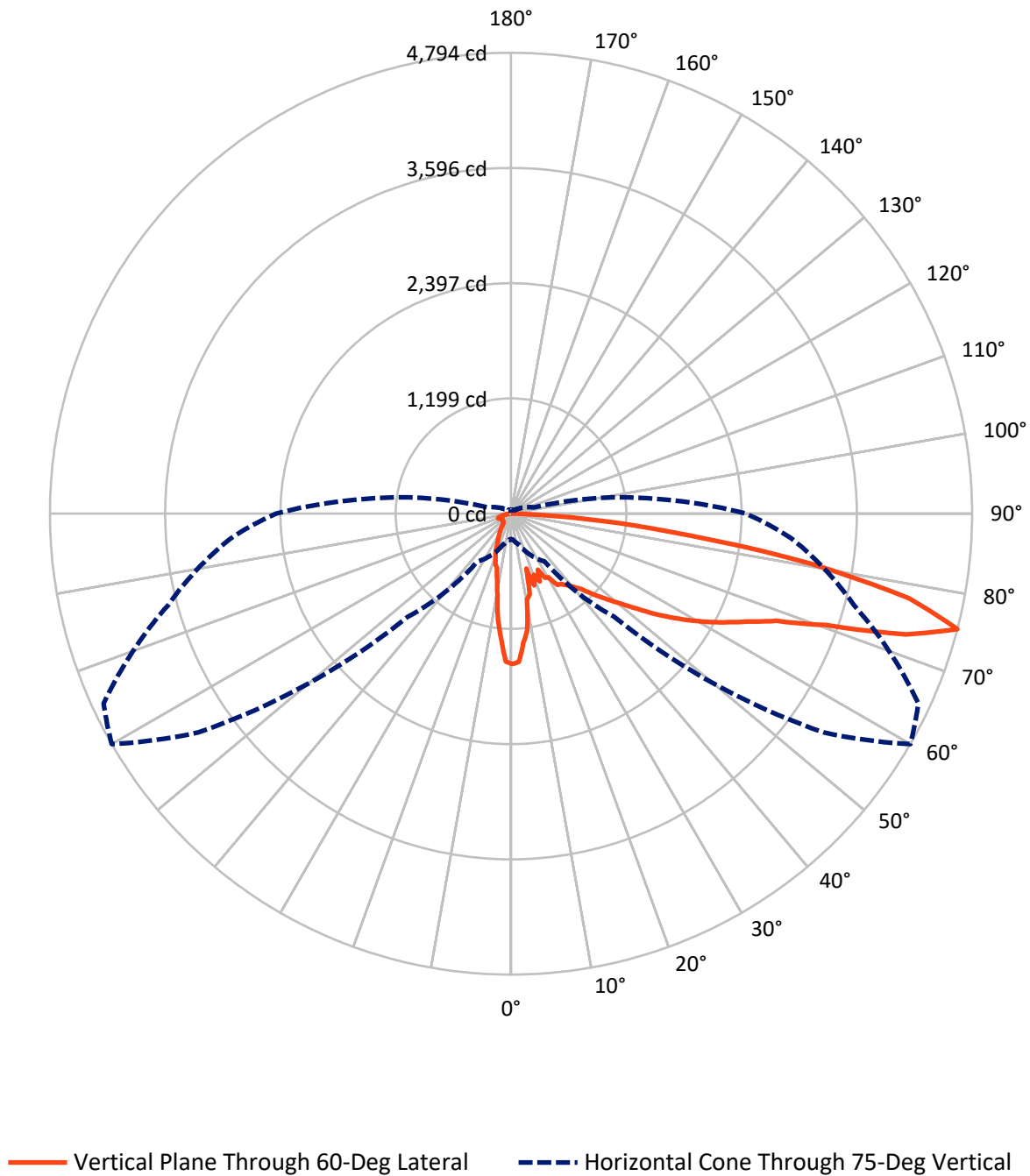


Based on 10 foot mounting height. Maximum calculated value = 15.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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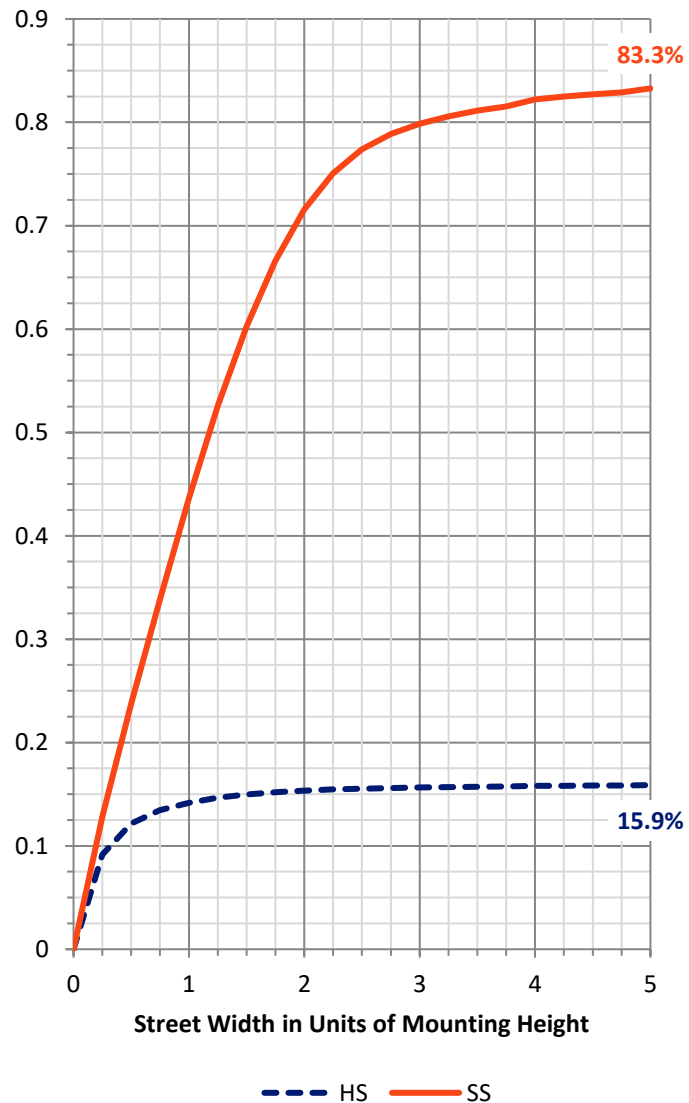
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	880.9	0.0	880.9
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	4599.9	0.0	4599.9
	% Fixture	83.9	0.0	83.9
Total	Lumens	5480.8	0.0	5480.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.0	2.1
10°-20°	205.8	3.8
20°-30°	269.5	4.9
30°-40°	444.8	8.1
40°-50°	694.6	12.7
50°-60°	1057.5	19.3
60°-70°	1310.2	23.9
70°-80°	1157.5	21.1
80°-90°	226.9	4.1
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°	5480.8	100.0
0°-180°	5480.8	100.0

Coefficient of Utilization



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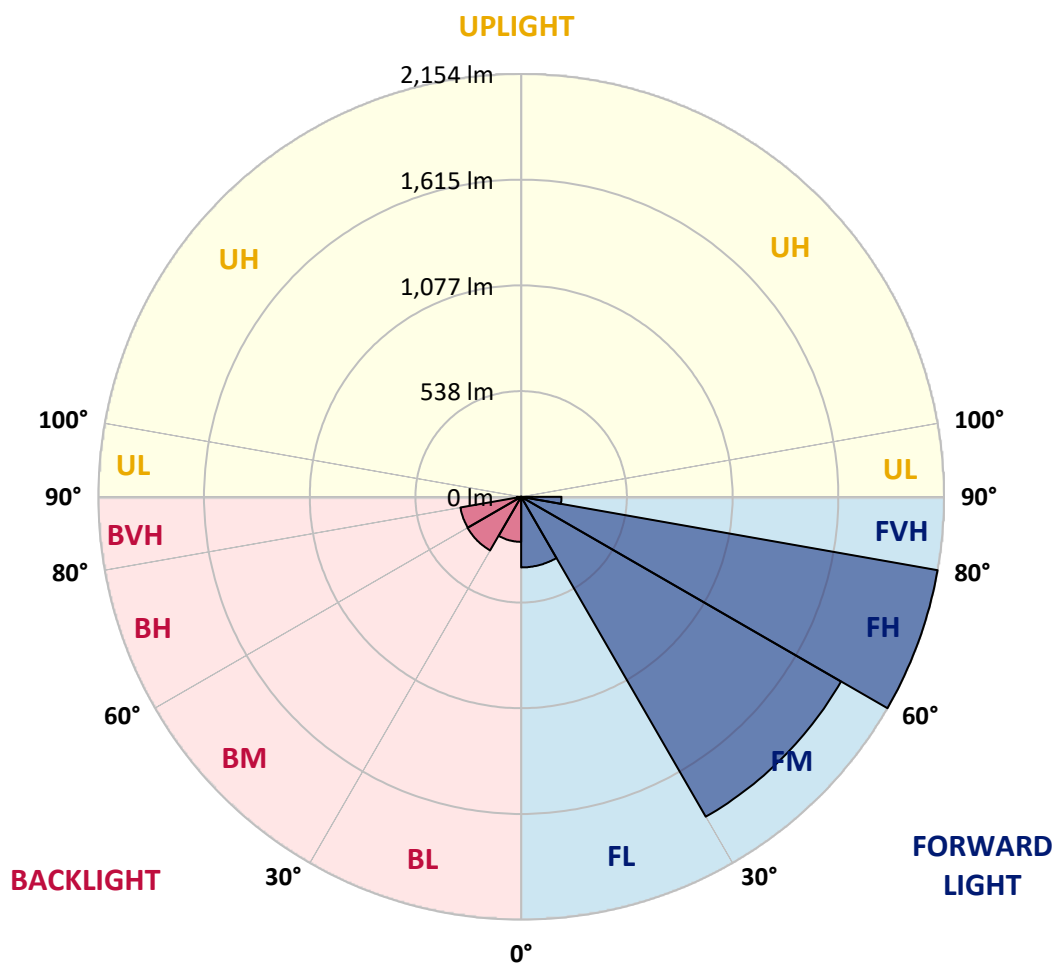
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	359.8	6.6			
FM	(30°-60°)	1881.2	34.3			
FH	(60°-80°)	2153.6	39.3			G2/5000
FVH	(80°-90°)	205.3	3.7			G2/225
BL	(0°-30°)	229.5	4.2	B1/500		
BM	(30°-60°)	315.6	5.8	B1/1000		
BH	(60°-80°)	314.2	5.7	B1/500		G1/500
BVH	(80°-90°)	21.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3
2.5°	1298.4	1444.9	1410.8	1376.7	1428.9	1479.1	1495.1	1509.2	1517.2	1525.2	1533.2
5°	1206.1	1208.1	1210.1	1212.1	1218.2	1222.2	1230.2	1238.2	1246.3	1252.3	1260.3
7.5°	931.2	963.3	1015.5	1067.7	1099.8	1129.9	1147.9	1164.0	1176.0	1188.1	1200.1
10°	1035.5	1041.6	1043.6	1043.6	1053.6	1063.6	987.4	909.1	947.2	985.4	943.2
12.5°	812.8	834.9	901.1	965.3	985.4	1003.4	967.3	931.2	875.0	816.8	812.8
15°	933.2	939.2	941.2	941.2	879.0	816.8	774.6	730.5	764.6	796.7	722.5
17.5°	722.5	728.5	780.7	832.8	842.9	852.9	808.8	764.6	666.3	565.9	660.3
20°	858.9	863.0	863.0	863.0	758.6	654.2	662.3	668.3	700.4	732.5	706.4
22.5°	692.4	692.4	692.4	692.4	724.5	754.6	690.4	626.1	662.3	698.4	666.3
25°	871.0	877.0	863.0	846.9	750.6	654.2	684.3	714.4	660.3	606.1	654.2
27.5°	794.7	788.7	760.6	730.5	744.5	758.6	692.4	626.1	668.3	710.4	690.4
30°	1055.6	1037.5	1007.4	977.3	863.0	748.6	730.5	712.4	676.3	638.2	680.3
32.5°	1402.8	1356.6	1216.2	1075.7	1005.4	935.2	844.9	754.6	746.6	736.5	748.6
35°	1495.1	1465.0	1406.8	1346.6	1226.2	1103.8	989.4	873.0	834.9	794.7	802.7
37.5°	1513.2	1503.1	1491.1	1477.1	1354.6	1232.2	1107.8	983.4	943.2	901.1	871.0
40°	1527.2	1535.2	1557.3	1577.4	1455.0	1330.5	1218.2	1103.8	1061.6	1017.5	965.3
42.5°	1591.4	1613.5	1641.6	1667.7	1555.3	1442.9	1344.6	1246.3	1192.1	1137.9	1089.7
45°	1739.9	1752.0	1782.1	1810.2	1703.8	1595.5	1483.1	1368.7	1322.5	1276.4	1228.2
47.5°	1956.7	1976.8	1974.8	1972.7	1854.3	1733.9	1607.5	1479.1	1449.0	1416.8	1370.7
50°	2229.6	2215.6	2177.4	2139.3	2010.9	1880.4	1731.9	1581.4	1567.4	1551.3	1513.2
52.5°	2366.1	2356.1	2303.9	2249.7	2119.2	1988.8	1828.3	1665.7	1683.8	1701.8	1665.7
55°	2374.1	2368.1	2330.0	2291.8	2165.4	2039.0	1896.5	1754.0	1798.1	1842.3	1828.3
57.5°	2315.9	2317.9	2305.9	2291.8	2179.5	2067.1	1948.7	1830.3	1906.5	1980.8	1994.8
60°	2167.4	2197.5	2217.6	2237.7	2167.4	2097.2	1994.8	1892.5	2008.9	2125.3	2163.4
62.5°	1892.5	1918.6	1990.8	2061.0	2075.1	2087.1	2018.9	1948.7	2105.2	2259.7	2321.9
65°	1467.0	1503.1	1611.5	1719.9	1832.3	1944.6	1960.7	1976.8	2241.7	2506.6	2558.7
67.5°	915.1	935.2	1049.6	1162.0	1388.7	1613.5	1742.0	1870.4	2328.0	2783.5	2865.8
70°	483.7	513.8	569.9	624.1	818.8	1013.5	1274.4	1535.2	2197.5	2859.8	3196.9
72.5°	367.3	379.3	409.4	439.5	507.7	576.0	740.5	905.1	1719.9	2532.7	3309.3
75°	264.9	274.9	307.0	337.2	405.4	471.6	539.8	606.1	1061.6	1517.2	2743.4
77.5°	154.5	158.5	174.6	188.6	295.0	401.4	475.6	547.9	658.3	766.6	1958.7
80°	106.4	108.4	114.4	120.4	166.6	212.7	355.2	497.7	547.9	596.0	1298.4
82.5°	70.2	80.3	84.3	88.3	104.4	120.4	208.7	295.0	433.5	569.9	887.0
85°	36.1	40.1	48.2	54.2	62.2	68.2	94.3	118.4	359.2	598.0	638.2
87.5°	4.0	6.0	8.0	8.0	10.0	12.0	18.1	24.1	108.4	192.7	164.6
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3
2.5°	1541.3	1545.3	1543.3	1547.3	1549.3	1551.3	1553.3	1553.3	1551.3	1547.3	1543.3
5°	1268.3	1348.6	1485.1	1499.1	1513.2	1517.2	1521.2	1523.2	1519.2	1513.2	1507.2
7.5°	1210.1	1222.2	1099.8	1198.1	1294.4	1302.5	1308.5	1304.5	1306.5	1252.3	1196.1
10°	901.1	911.1	915.1	945.2	973.3	1039.6	1105.8	1095.7	1087.7	991.4	893.1
12.5°	808.8	860.9	873.0	822.8	772.6	840.9	909.1	901.1	887.0	798.7	710.4
15°	648.2	594.0	710.4	818.8	925.2	989.4	1051.6	1033.5	1017.5	905.1	790.7
17.5°	752.6	784.7	746.6	762.6	778.7	826.8	873.0	844.9	834.9	756.6	676.3
20°	680.3	678.3	652.2	746.6	840.9	935.2	1027.5	999.4	951.3	798.7	644.2
22.5°	634.2	764.6	820.8	808.8	794.7	758.6	720.5	696.4	660.3	626.1	590.0
25°	700.4	646.2	690.4	834.9	977.3	1003.4	1029.5	969.3	891.0	736.5	582.0
27.5°	670.3	754.6	810.8	907.1	1001.4	1091.7	1182.0	1101.8	999.4	806.8	612.1
30°	722.5	768.6	925.2	1105.8	1286.4	1318.5	1348.6	1238.2	1101.8	907.1	712.4
32.5°	760.6	883.0	1021.5	1162.0	1300.4	1324.5	1348.6	1224.2	1067.7	852.9	638.2
35°	808.8	899.1	1025.5	1190.1	1354.6	1360.7	1364.7	1220.2	1043.6	800.7	555.9
37.5°	840.9	943.2	1079.7	1254.3	1428.9	1416.8	1402.8	1238.2	1035.5	764.6	493.7
40°	913.1	1001.4	1147.9	1326.5	1505.1	1485.1	1465.0	1276.4	1037.5	728.5	417.4
42.5°	1039.6	1073.7	1232.2	1422.9	1613.5	1591.4	1567.4	1342.6	1061.6	708.4	353.2
45°	1178.0	1194.1	1330.5	1547.3	1764.0	1735.9	1707.8	1444.9	1105.8	698.4	291.0
47.5°	1322.5	1318.5	1444.9	1707.8	1968.7	1908.5	1848.3	1565.4	1188.1	718.5	248.9
50°	1473.0	1467.0	1589.4	1872.4	2155.4	2091.1	2026.9	1709.8	1282.4	754.6	224.8
52.5°	1627.6	1641.6	1731.9	2026.9	2319.9	2261.7	2201.5	1866.4	1374.7	794.7	214.7
55°	1812.2	1856.3	1892.5	2187.5	2482.5	2424.3	2364.1	2026.9	1503.1	856.9	210.7
57.5°	2006.9	2065.1	2081.1	2350.0	2619.0	2580.8	2540.7	2179.5	1633.6	929.2	222.8
60°	2201.5	2277.8	2336.0	2552.7	2767.5	2723.3	2679.2	2334.0	1756.0	1009.5	262.9
62.5°	2382.1	2488.5	2582.8	2741.4	2897.9	2845.7	2793.6	2468.4	1894.5	1119.8	343.2
65°	2608.9	2703.2	2805.6	2909.9	3012.3	2962.1	2912.0	2637.0	2079.1	1258.3	435.5
67.5°	2948.1	2976.2	3028.4	3092.6	3154.8	3124.7	3092.6	2843.7	2239.7	1338.6	435.5
70°	3532.1	3469.9	3391.6	3389.6	3385.6	3337.4	3287.2	2960.1	2249.7	1306.5	363.2
72.5°	4084.0	4296.7	4047.8	3867.2	3686.6	3473.9	3259.1	2803.6	1986.8	1137.9	289.0
75°	3967.6	4794.4	4674.0	4184.3	3694.6	3309.3	2924.0	2442.4	1635.6	941.2	246.8
77.5°	3148.8	4230.5	4344.9	3895.3	3443.8	2922.0	2398.2	1888.5	1133.9	670.3	206.7
80°	1998.8	3162.8	3182.9	2765.5	2346.0	1786.1	1226.2	822.8	545.9	355.2	164.6
82.5°	1204.1	1872.4	1629.6	1168.0	706.4	489.7	270.9	260.9	200.7	148.5	96.3
85°	678.3	917.1	658.3	431.5	204.7	146.5	86.3	92.3	88.3	72.2	54.2
87.5°	134.5	158.5	108.4	62.2	16.1	16.1	14.0	14.0	10.0	10.0	8.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3	1563.3
2.5°	1543.3	1543.3	1539.3	1535.2	1533.2	1531.2	1471.0	1410.8	1370.7	1328.5	1318.5
5°	1432.9	1358.6	1302.5	1246.3	1234.2	1222.2	1220.2	1218.2	1212.1	1204.1	1202.1
7.5°	1131.9	1065.6	1111.8	1156.0	1147.9	1137.9	1131.9	1123.8	1109.8	1095.7	1025.5
10°	871.0	848.9	848.9	846.9	830.8	814.8	850.9	887.0	927.2	967.3	963.3
12.5°	742.5	772.6	694.4	614.1	658.3	700.4	740.5	778.7	798.7	818.8	756.6
15°	700.4	608.1	582.0	555.9	576.0	596.0	537.8	477.6	523.8	569.9	580.0
17.5°	628.1	580.0	553.9	525.8	449.5	371.3	397.4	423.4	421.4	419.4	409.4
20°	586.0	525.8	479.6	431.5	395.4	359.2	321.1	281.0	262.9	242.8	291.0
22.5°	557.9	525.8	429.5	333.1	305.0	276.9	246.8	214.7	226.8	236.8	244.8
25°	487.7	391.3	337.2	283.0	238.8	192.7	194.7	196.7	186.6	176.6	222.8
27.5°	493.7	373.3	289.0	204.7	188.6	170.6	160.5	148.5	164.6	178.6	182.6
30°	517.8	323.1	244.8	166.6	148.5	130.4	136.5	140.5	140.5	140.5	160.5
32.5°	459.6	281.0	208.7	134.5	124.4	112.4	114.4	114.4	124.4	134.5	144.5
35°	389.3	220.8	170.6	118.4	108.4	98.3	102.3	106.4	116.4	126.4	140.5
37.5°	335.1	174.6	140.5	106.4	100.3	94.3	96.3	98.3	108.4	116.4	128.4
40°	283.0	146.5	124.4	102.3	96.3	90.3	92.3	92.3	100.3	108.4	116.4
42.5°	244.8	134.5	118.4	100.3	94.3	86.3	88.3	88.3	94.3	100.3	106.4
45°	210.7	128.4	114.4	98.3	92.3	84.3	84.3	82.3	88.3	92.3	96.3
47.5°	188.6	126.4	112.4	98.3	90.3	80.3	78.3	76.3	82.3	86.3	92.3
50°	176.6	126.4	112.4	96.3	86.3	76.3	74.3	72.2	80.3	86.3	96.3
52.5°	172.6	128.4	112.4	96.3	84.3	72.2	72.2	72.2	86.3	100.3	104.4
55°	172.6	132.5	114.4	94.3	82.3	70.2	74.3	78.3	82.3	86.3	86.3
57.5°	176.6	130.4	110.4	90.3	82.3	72.2	70.2	68.2	70.2	72.2	72.2
60°	194.7	126.4	106.4	86.3	76.3	66.2	64.2	62.2	66.2	68.2	68.2
62.5°	234.8	124.4	106.4	86.3	74.3	62.2	62.2	60.2	62.2	64.2	66.2
65°	287.0	138.5	112.4	86.3	74.3	62.2	58.2	54.2	58.2	60.2	60.2
67.5°	299.0	162.6	130.4	96.3	78.3	60.2	56.2	52.2	56.2	58.2	58.2
70°	270.9	178.6	140.5	102.3	82.3	60.2	56.2	50.2	52.2	54.2	52.2
72.5°	232.8	174.6	138.5	100.3	80.3	58.2	54.2	48.2	50.2	50.2	48.2
75°	198.7	150.5	118.4	84.3	68.2	50.2	46.2	42.1	44.2	44.2	44.2
77.5°	166.6	124.4	96.3	66.2	54.2	40.1	38.1	36.1	38.1	40.1	38.1
80°	130.4	94.3	72.2	48.2	40.1	30.1	32.1	32.1	34.1	34.1	34.1
82.5°	76.3	56.2	46.2	34.1	28.1	22.1	24.1	26.1	28.1	28.1	28.1
85°	46.2	36.1	30.1	24.1	20.1	14.0	18.1	20.1	20.1	20.1	18.1
87.5°	8.0	8.0	8.0	8.0	6.0	4.0	8.0	10.0	10.0	10.0	8.0
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):

	165°	170°	175°	180°
0°	1563.3	1563.3	1563.3	1563.3
2.5°	1306.5	1306.5	1304.5	1304.5
5°	1200.1	1196.1	1192.1	1196.1
7.5°	955.3	927.2	899.1	907.1
10°	957.3	955.3	953.3	951.3
12.5°	692.4	670.3	648.2	634.2
15°	588.0	582.0	574.0	574.0
17.5°	397.4	379.3	361.2	349.2
20°	339.2	349.2	357.2	361.2
22.5°	252.9	260.9	268.9	272.9
25°	266.9	287.0	305.0	307.0
27.5°	184.6	194.7	202.7	198.7
30°	180.6	186.6	192.7	192.7
32.5°	154.5	170.6	186.6	188.6
35°	154.5	162.6	170.6	172.6
37.5°	138.5	144.5	148.5	150.5
40°	124.4	128.4	130.4	130.4
42.5°	110.4	120.4	128.4	128.4
45°	98.3	124.4	150.5	158.5
47.5°	96.3	134.5	172.6	180.6
50°	104.4	140.5	174.6	178.6
52.5°	106.4	126.4	144.5	144.5
55°	84.3	94.3	102.3	100.3
57.5°	72.2	80.3	86.3	86.3
60°	68.2	78.3	86.3	88.3
62.5°	66.2	70.2	74.3	78.3
65°	60.2	60.2	60.2	60.2
67.5°	56.2	56.2	54.2	54.2
70°	50.2	50.2	50.2	50.2
72.5°	46.2	46.2	46.2	44.2
75°	42.1	42.1	40.1	40.1
77.5°	36.1	36.1	36.1	36.1
80°	32.1	32.1	30.1	30.1
82.5°	26.1	26.1	24.1	22.1
85°	16.1	16.1	14.0	12.0
87.5°	6.0	6.0	4.0	2.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)