

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: P560654

Luminaire Tested: **SDL-PA1-50-830-U-T3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560654
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-PA1-50-830-U-T3-HSS
Description: Springdale
(1) 80 CRI, 3000K, 670mA 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: 3790.3 lumens
Efficiency: N/A
Efficacy: 72.3 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: B0 - U0 - G1

Input Watts (W): 52.4
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

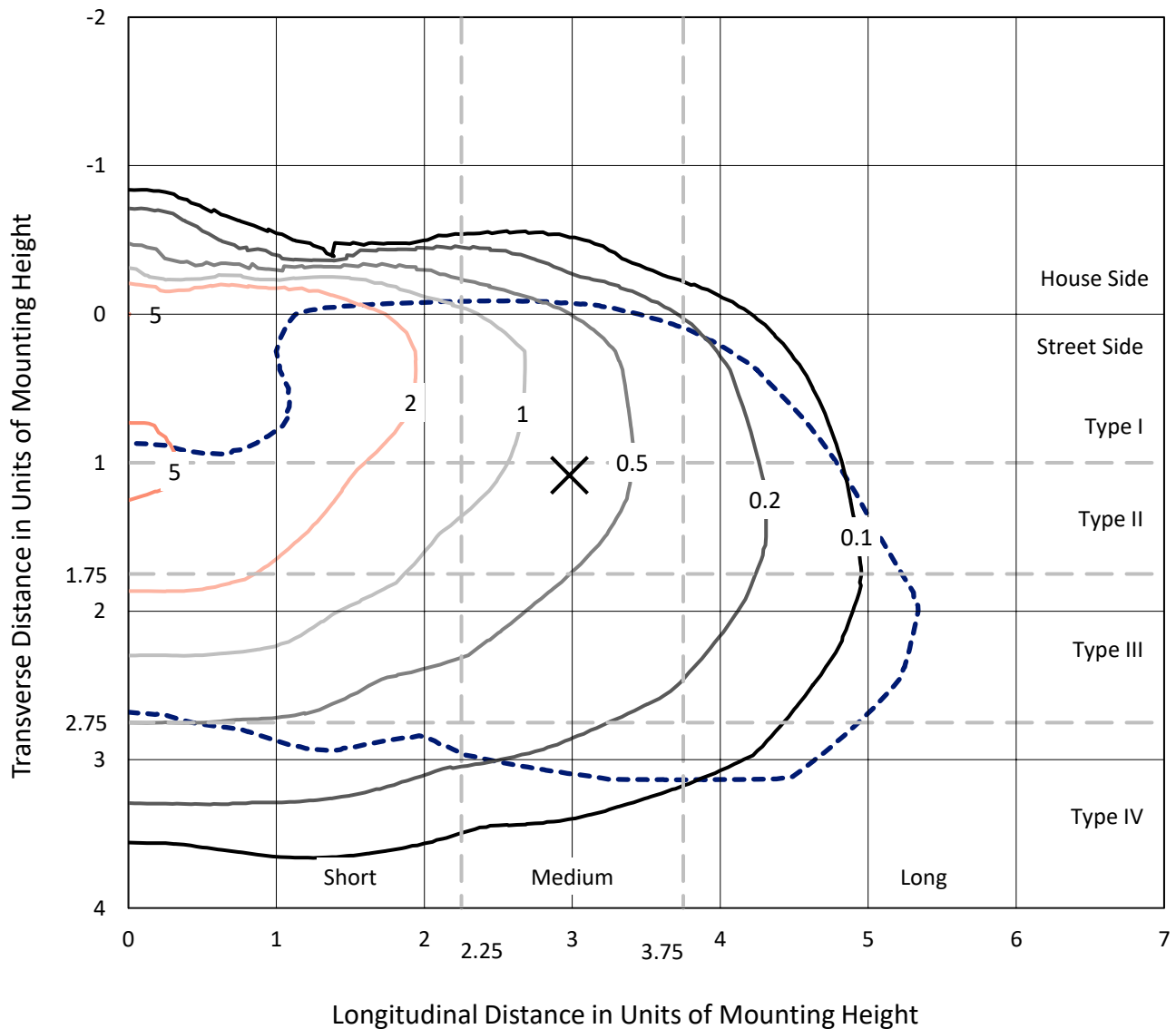


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

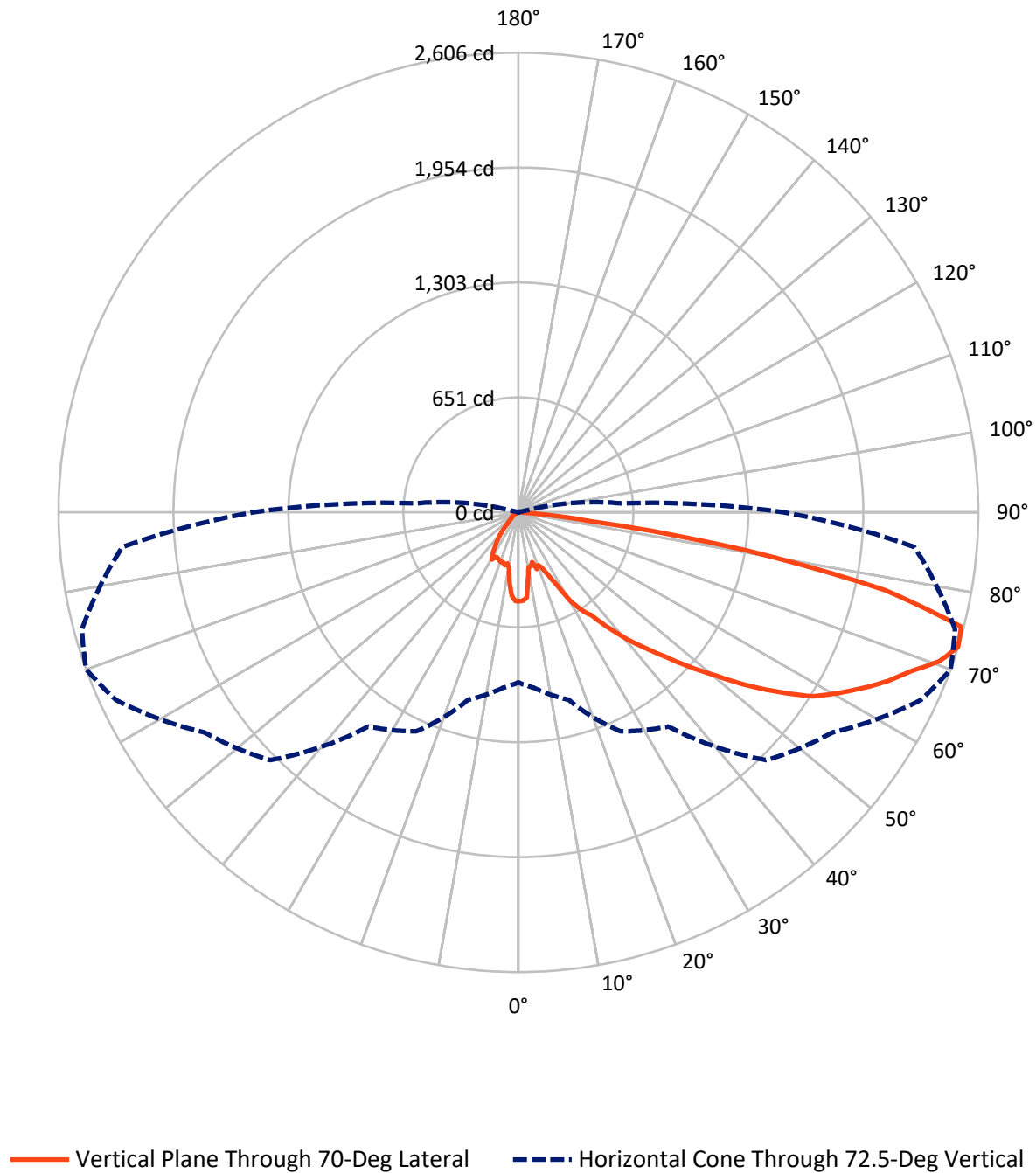


Based on 10 foot mounting height. Maximum calculated value = 5.9 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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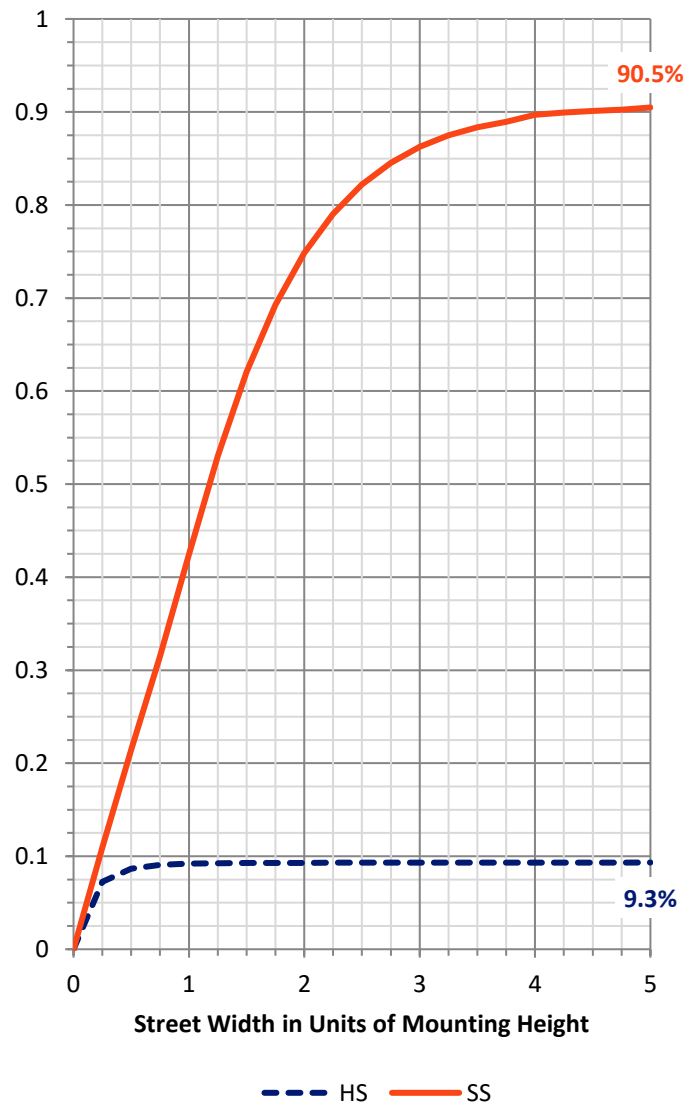
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	357.4	0.0	357.4
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	3433.0	0.0	3433.0
	% Fixture	90.6	0.0	90.6
Total	Lumens	3790.3	0.0	3790.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.8	1.0
10°-20°	77.6	2.0
20°-30°	126.5	3.3
30°-40°	269.8	7.1
40°-50°	519.9	13.7
50°-60°	859.9	22.7
60°-70°	1052.6	27.8
70°-80°	771.1	20.3
80°-90°	74.1	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°	3790.3	100.0
0°-180°	3790.3	100.0

Coefficient of Utilization



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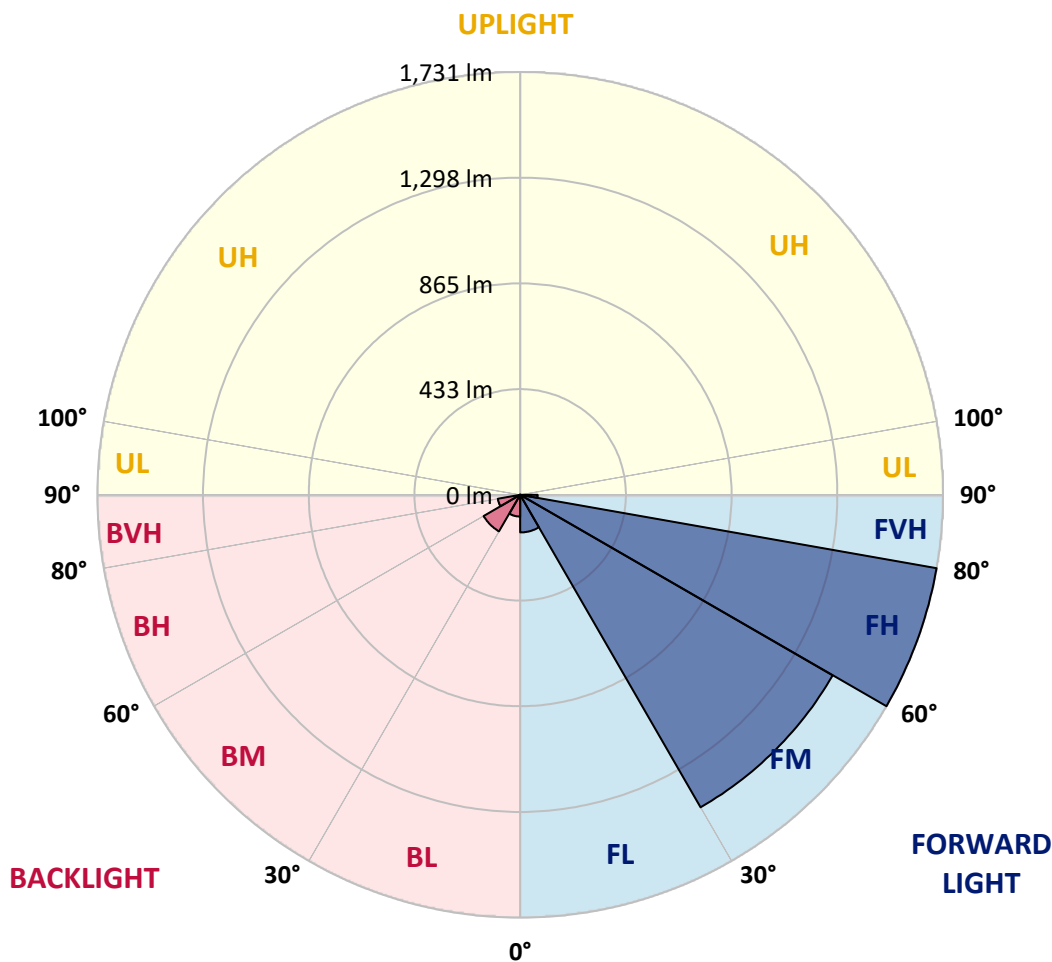
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	153.9	4.1			
FM	(30°-60°)	1477.0	39.0			
FH	(60°-80°)	1730.7	45.7			G1/1800
FVH	(80°-90°)	71.4	1.9			G1/100
BL	(0°-30°)	89.0	2.3	B0/110		
BM	(30°-60°)	172.7	4.6	B0/220		
BH	(60°-80°)	93.1	2.5	B0/110		G0/110
BVH	(80°-90°)	2.6	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-G1

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	504.4	504.4	504.4	504.4	504.4	504.4	504.4	504.4	504.4	504.4	504.4
2.5°	448.6	461.6	469.0	476.5	474.6	472.8	476.5	480.2	487.7	493.2	497.0
5°	403.9	403.9	403.9	403.9	405.8	405.8	405.8	405.8	407.6	409.5	411.3
7.5°	349.9	357.4	361.1	364.8	374.1	381.6	389.0	396.5	400.2	402.0	403.9
10°	379.7	379.7	379.7	379.7	381.6	381.6	357.4	331.3	333.2	335.0	323.9
12.5°	314.6	312.7	333.2	351.8	364.8	376.0	363.0	348.1	325.7	301.5	297.8
15°	370.4	370.4	370.4	370.4	344.3	318.3	299.7	281.1	295.9	309.0	279.2
17.5°	292.2	299.7	322.0	344.3	344.3	344.3	327.6	310.8	279.2	245.7	281.1
20°	363.0	363.0	363.0	361.1	318.3	275.5	290.4	303.4	316.4	329.4	323.9
22.5°	301.5	297.8	303.4	309.0	322.0	333.2	295.9	256.9	299.7	340.6	320.1
25°	381.6	381.6	383.4	383.4	342.5	301.5	325.7	348.1	316.4	284.8	335.0
27.5°	344.3	333.2	331.3	327.6	340.6	351.8	335.0	318.3	353.6	389.0	372.3
30°	478.4	478.4	465.3	452.3	402.0	349.9	355.5	359.2	359.2	359.2	396.5
32.5°	664.5	666.3	616.1	564.0	519.3	472.8	431.8	389.0	411.3	433.7	457.9
35°	895.3	900.9	865.5	828.3	718.5	608.6	539.8	470.9	469.0	465.3	500.7
37.5°	1060.9	1072.1	1044.2	1016.3	886.0	755.7	657.0	558.4	549.1	537.9	550.9
40°	1217.3	1209.8	1193.1	1174.5	1036.7	897.1	789.2	679.4	655.2	629.1	631.0
42.5°	1420.2	1397.8	1355.0	1312.2	1180.1	1047.9	932.5	817.1	778.0	738.9	731.5
45°	1682.6	1645.4	1584.0	1520.7	1390.4	1260.1	1118.6	975.3	926.9	876.7	865.5
47.5°	1816.6	1790.6	1751.5	1710.5	1576.5	1442.5	1306.6	1168.9	1101.9	1033.0	1014.4
50°	1974.8	1941.3	1915.3	1887.4	1772.0	1654.7	1528.1	1399.7	1310.3	1221.0	1189.4
52.5°	2125.6	2069.8	2045.6	2019.5	1928.3	1835.2	1703.1	1570.9	1513.2	1453.7	1377.4
55°	2179.6	2125.6	2114.4	2103.3	2038.1	1973.0	1852.0	1731.0	1664.0	1595.1	1533.7
57.5°	2062.3	2069.8	2103.3	2136.8	2099.5	2062.3	1963.7	1863.2	1788.7	1714.3	1678.9
60°	1982.3	1999.0	2049.3	2099.5	2099.5	2099.5	2045.6	1991.6	1920.9	1850.1	1825.9
62.5°	1853.8	1874.3	1950.6	2026.9	2075.3	2123.7	2066.0	2008.3	1984.1	1958.1	1935.7
65°	1684.5	1690.1	1775.7	1861.3	1961.8	2060.5	2006.5	1950.6	1997.2	2043.7	2021.4
67.5°	1489.0	1498.3	1578.4	1656.6	1775.7	1894.8	1879.9	1863.2	1965.5	2067.9	2066.0
70°	1256.4	1273.1	1342.0	1409.0	1543.0	1675.2	1690.1	1704.9	1881.8	2056.7	2090.2
72.5°	964.1	997.7	1049.8	1100.0	1235.9	1369.9	1425.7	1481.6	1734.7	1986.0	2080.9
75°	320.1	342.5	487.7	631.0	768.7	906.4	1029.3	1150.3	1466.7	1781.3	1978.6
77.5°	93.1	96.8	124.7	150.8	258.7	364.8	491.4	616.1	925.1	1232.2	1559.8
80°	48.4	50.3	55.8	61.4	89.3	117.3	169.4	219.6	361.1	502.5	846.9
82.5°	33.5	33.5	39.1	42.8	54.0	65.1	93.1	121.0	132.2	143.3	340.6
85°	11.2	11.2	14.9	18.6	26.1	33.5	50.3	65.1	65.1	63.3	91.2
87.5°	1.9	1.9	3.7	5.6	9.3	11.2	9.3	7.4	5.6	3.7	7.4
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°	504.4	504.4	504.4	504.4	504.4	504.4	504.4	504.4	504.4	504.4	504.4
2.5°	498.8	500.7	500.7	500.7	502.5	502.5	502.5	502.5	500.7	502.5	502.5
5°	411.3	444.8	476.5	485.8	491.4	493.2	493.2	493.2	491.4	491.4	491.4
7.5°	405.8	403.9	402.0	387.1	422.5	430.0	435.5	433.7	433.7	424.4	413.2
10°	312.7	312.7	312.7	316.4	336.9	361.1	385.3	385.3	385.3	357.4	329.4
12.5°	292.2	303.4	312.7	312.7	279.2	307.1	335.0	335.0	335.0	307.1	277.3
15°	249.4	262.4	273.6	292.2	348.1	381.6	415.1	415.1	413.2	381.6	348.1
17.5°	314.6	310.8	305.3	338.8	318.3	323.9	329.4	312.7	336.9	327.6	318.3
20°	318.3	284.8	249.4	320.1	392.7	424.4	456.0	457.9	452.3	416.9	379.7
22.5°	299.7	342.5	383.4	338.8	349.9	342.5	333.2	329.4	329.4	327.6	325.7
25°	383.4	342.5	301.5	396.5	463.5	485.8	508.1	502.5	495.1	444.8	394.6
27.5°	353.6	394.6	433.7	470.9	504.4	524.9	545.4	603.1	524.9	467.2	407.6
30°	431.8	482.1	530.5	584.4	686.8	716.6	746.4	731.5	712.9	601.2	489.5
32.5°	480.2	560.2	638.4	662.6	724.0	752.0	778.0	765.0	742.7	595.6	448.6
35°	534.2	608.6	681.2	720.3	794.8	817.1	837.6	817.1	792.9	590.0	387.1
37.5°	564.0	664.5	763.1	830.1	893.4	899.0	902.7	884.1	852.5	590.0	327.6
40°	632.8	740.8	846.9	943.7	993.9	995.8	997.7	967.9	910.2	584.4	256.9
42.5°	724.0	833.9	941.8	1047.9	1114.9	1109.3	1101.9	1060.9	966.0	575.1	184.3
45°	854.3	951.1	1047.9	1167.0	1248.9	1234.0	1217.3	1155.9	1005.1	565.8	124.7
47.5°	993.9	1070.2	1144.7	1308.5	1412.7	1381.1	1347.6	1258.2	1033.0	562.1	89.3
50°	1155.9	1217.3	1278.7	1457.4	1582.1	1522.5	1463.0	1360.6	1044.2	558.4	70.7
52.5°	1299.2	1362.5	1423.9	1632.4	1727.3	1660.3	1593.3	1440.6	1038.6	550.9	61.4
55°	1470.4	1526.3	1582.1	1799.9	1876.2	1786.8	1695.6	1498.3	1010.7	534.2	55.8
57.5°	1641.7	1699.4	1755.2	1967.4	1989.7	1902.2	1812.9	1554.2	982.8	517.4	50.3
60°	1801.7	1866.9	1932.0	2080.9	2097.7	2019.5	1941.3	1608.2	938.1	491.4	44.7
62.5°	1913.4	2002.8	2092.1	2192.6	2200.0	2129.3	2056.7	1649.1	880.4	461.6	40.9
65°	1997.2	2120.0	2241.0	2302.4	2298.7	2248.4	2198.2	1684.5	833.9	433.7	33.5
67.5°	2062.3	2211.2	2360.1	2401.1	2410.4	2363.8	2317.3	1690.1	776.2	402.0	26.1
70°	2123.7	2287.5	2451.3	2529.5	2510.9	2438.3	2365.7	1647.2	698.0	359.2	18.6
72.5°	2174.0	2345.2	2516.5	2605.8	2561.1	2406.7	2252.2	1502.1	584.4	299.7	13.0
75°	2174.0	2345.2	2514.6	2590.9	2438.3	2131.2	1822.2	1118.6	342.5	176.8	11.2
77.5°	1887.4	2012.1	2136.8	2125.6	1857.6	1476.0	1092.6	644.0	115.4	63.3	9.3
80°	1191.2	1273.1	1355.0	1314.1	949.3	681.2	411.3	215.9	40.9	24.2	7.4
82.5°	537.9	528.6	519.3	400.2	186.1	124.7	61.4	37.2	11.2	7.4	3.7
85°	119.1	115.4	111.7	81.9	55.8	37.2	18.6	11.2	5.6	5.6	3.7
87.5°	11.2	13.0	13.0	9.3	9.3	7.4	3.7	3.7	3.7	3.7	3.7
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	504.4	504.4	504.4	504.4	504.4	504.4	504.4	504.4	504.4	504.4	504.4
2.5°	502.5	502.5	502.5	500.7	500.7	500.7	487.7	472.8	463.5	452.3	446.7
5°	474.6	457.9	437.4	416.9	413.2	407.6	409.5	409.5	411.3	411.3	411.3
7.5°	403.9	394.6	398.3	402.0	402.0	402.0	402.0	400.2	398.3	396.5	377.8
10°	322.0	314.6	314.6	314.6	320.1	323.9	314.6	303.4	320.1	335.0	331.3
12.5°	295.9	314.6	290.4	264.3	268.0	269.9	269.9	268.0	260.6	253.1	227.1
15°	309.0	269.9	247.6	223.4	223.4	223.4	180.5	137.7	128.4	119.1	121.0
17.5°	295.9	273.6	247.6	219.6	165.7	109.8	104.2	96.8	96.8	96.8	98.6
20°	297.8	215.9	182.4	148.9	119.1	87.5	81.9	74.5	70.7	65.1	76.3
22.5°	292.2	256.9	175.0	93.1	81.9	70.7	65.1	57.7	67.0	76.3	76.3
25°	282.9	169.4	126.6	81.9	68.9	55.8	63.3	68.9	65.1	59.6	68.9
27.5°	284.8	160.1	109.8	59.6	63.3	65.1	61.4	55.8	61.4	65.1	61.4
30°	307.1	124.7	93.1	59.6	57.7	54.0	55.8	57.7	55.8	52.1	55.8
32.5°	273.6	98.6	78.2	55.8	54.0	52.1	50.3	48.4	50.3	50.3	50.3
35°	230.8	74.5	63.3	52.1	48.4	44.7	44.7	42.8	42.8	42.8	42.8
37.5°	195.4	63.3	55.8	46.5	42.8	39.1	37.2	33.5	33.5	31.6	31.6
40°	158.2	57.7	50.3	40.9	37.2	31.6	29.8	26.1	26.1	24.2	24.2
42.5°	119.1	52.1	44.7	35.4	31.6	26.1	22.3	18.6	18.6	16.8	16.8
45°	85.6	46.5	39.1	29.8	26.1	20.5	16.8	13.0	13.0	11.2	11.2
47.5°	67.0	42.8	35.4	26.1	20.5	14.9	13.0	9.3	9.3	9.3	9.3
50°	54.0	37.2	29.8	20.5	14.9	9.3	7.4	5.6	5.6	5.6	5.6
52.5°	48.4	33.5	26.1	16.8	13.0	7.4	5.6	3.7	5.6	5.6	5.6
55°	42.8	29.8	22.3	13.0	9.3	5.6	5.6	3.7	5.6	5.6	5.6
57.5°	39.1	26.1	18.6	9.3	7.4	3.7	3.7	1.9	3.7	3.7	3.7
60°	33.5	22.3	14.9	7.4	5.6	1.9	1.9	1.9	3.7	3.7	3.7
62.5°	29.8	18.6	13.0	5.6	3.7	1.9	1.9	1.9	3.7	3.7	3.7
65°	24.2	13.0	9.3	3.7	3.7	1.9	1.9	1.9	3.7	3.7	3.7
67.5°	18.6	9.3	7.4	3.7	3.7	1.9	1.9	1.9	3.7	3.7	1.9
70°	13.0	7.4	5.6	1.9	1.9	1.9	1.9	1.9	3.7	3.7	1.9
72.5°	9.3	5.6	3.7	1.9	1.9	0.0	1.9	1.9	3.7	3.7	3.7
75°	9.3	5.6	3.7	1.9	1.9	0.0	1.9	3.7	3.7	3.7	3.7
77.5°	7.4	3.7	3.7	1.9	1.9	0.0	1.9	3.7	3.7	3.7	3.7
80°	5.6	3.7	3.7	1.9	1.9	0.0	3.7	5.6	5.6	5.6	3.7
82.5°	3.7	3.7	3.7	1.9	1.9	0.0	3.7	5.6	5.6	5.6	3.7
85°	3.7	3.7	3.7	3.7	1.9	0.0	3.7	5.6	5.6	5.6	5.6
87.5°	3.7	3.7	3.7	3.7	3.7	1.9	5.6	7.4	7.4	5.6	5.6
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):

	165°	170°	175°	180°
0°	504.4	504.4	504.4	504.4
2.5°	439.3	439.3	437.4	443.0
5°	411.3	411.3	411.3	413.2
7.5°	357.4	344.3	331.3	333.2
10°	325.7	322.0	316.4	320.1
12.5°	201.0	189.9	176.8	171.2
15°	122.8	122.8	122.8	121.0
17.5°	100.5	93.1	83.8	85.6
20°	87.5	89.3	91.2	91.2
22.5°	76.3	72.6	68.9	68.9
25°	76.3	76.3	76.3	76.3
27.5°	57.7	57.7	55.8	55.8
30°	59.6	59.6	57.7	55.8
32.5°	48.4	48.4	48.4	48.4
35°	40.9	39.1	37.2	37.2
37.5°	31.6	29.8	27.9	27.9
40°	22.3	22.3	20.5	20.5
42.5°	16.8	16.8	14.9	14.9
45°	11.2	11.2	11.2	11.2
47.5°	7.4	7.4	7.4	7.4
50°	5.6	5.6	5.6	5.6
52.5°	5.6	5.6	3.7	3.7
55°	3.7	3.7	3.7	3.7
57.5°	3.7	3.7	3.7	3.7
60°	3.7	3.7	1.9	1.9
62.5°	1.9	1.9	1.9	1.9
65°	1.9	1.9	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°	1.9	1.9	0.0	0.0
75°	1.9	1.9	0.0	0.0
77.5°	1.9	1.9	0.0	0.0
80°	1.9	1.9	0.0	0.0
82.5°	1.9	1.9	1.9	0.0
85°	3.7	3.7	1.9	0.0
87.5°	3.7	3.7	1.9	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)