

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: P286954

Luminaire Tested: **USSL-C01-D-U-T3-BZ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286954
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-6)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-C01-D-U-T3-BZ-7030
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED AND TYPE III OPTIC, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6982 lumens
Efficiency: N/A
Efficacy: 134.3 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 52
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: 28.75 FT

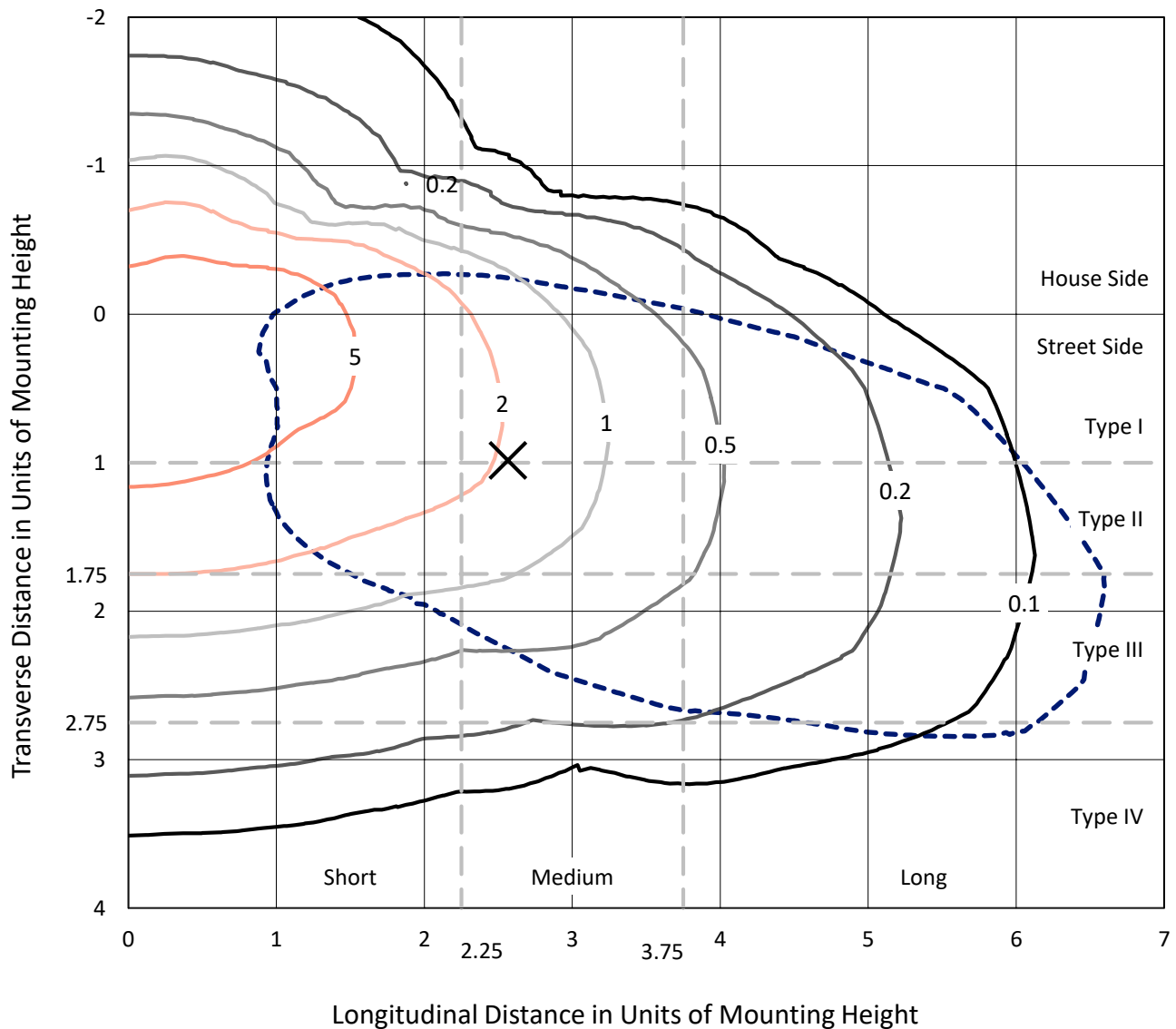


REPORT NUMBER: P286954

CATALOG NUMBER: USSL-C01-D-U-T3-BZ-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

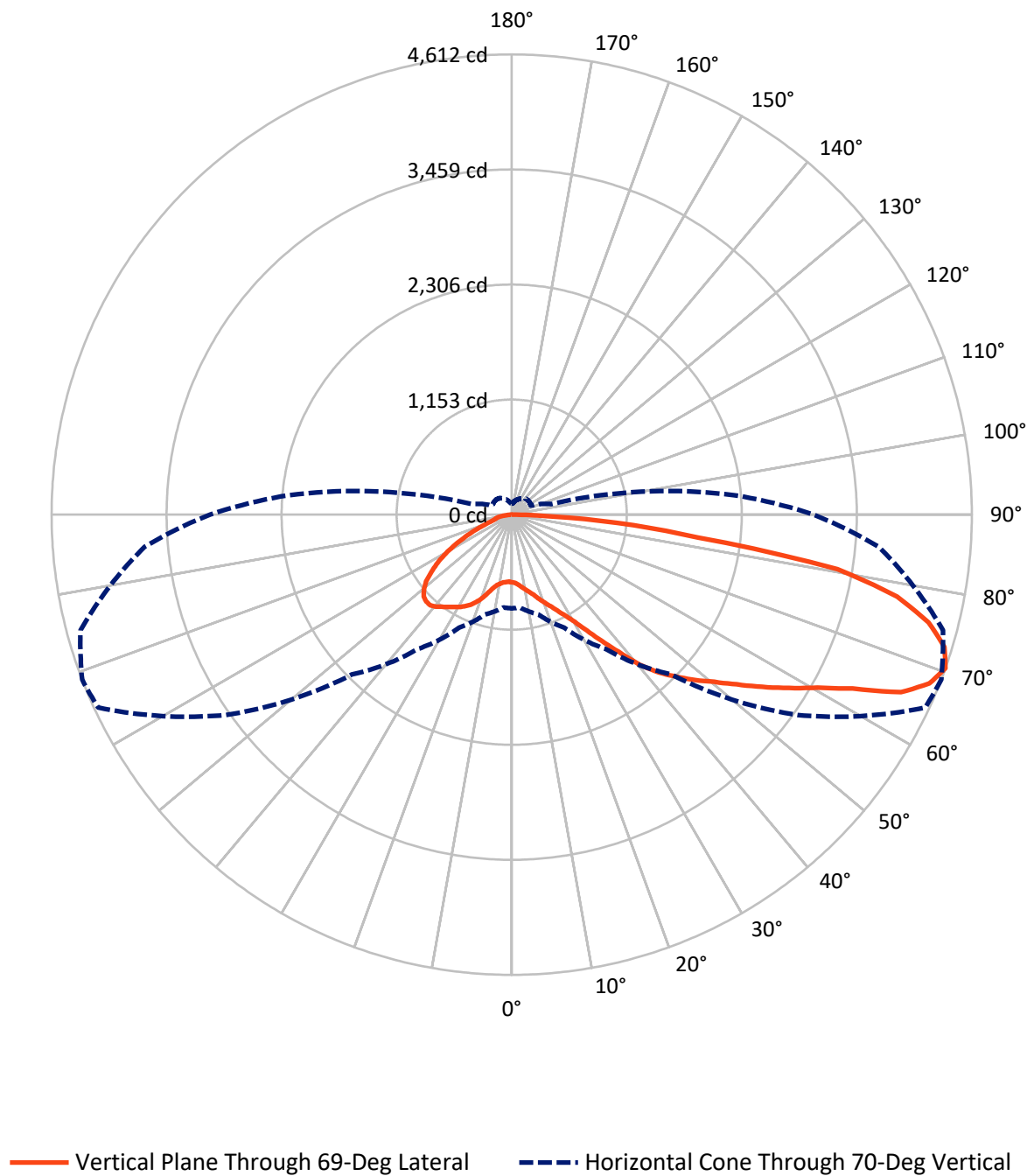


Based on 10 foot mounting height. Maximum calculated value = 9.7 fc
Type III - Medium - Non-Cutoff

REPORT NUMBER: P286954

CATALOG NUMBER: USSL-C01-D-U-T3-BZ-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P286954

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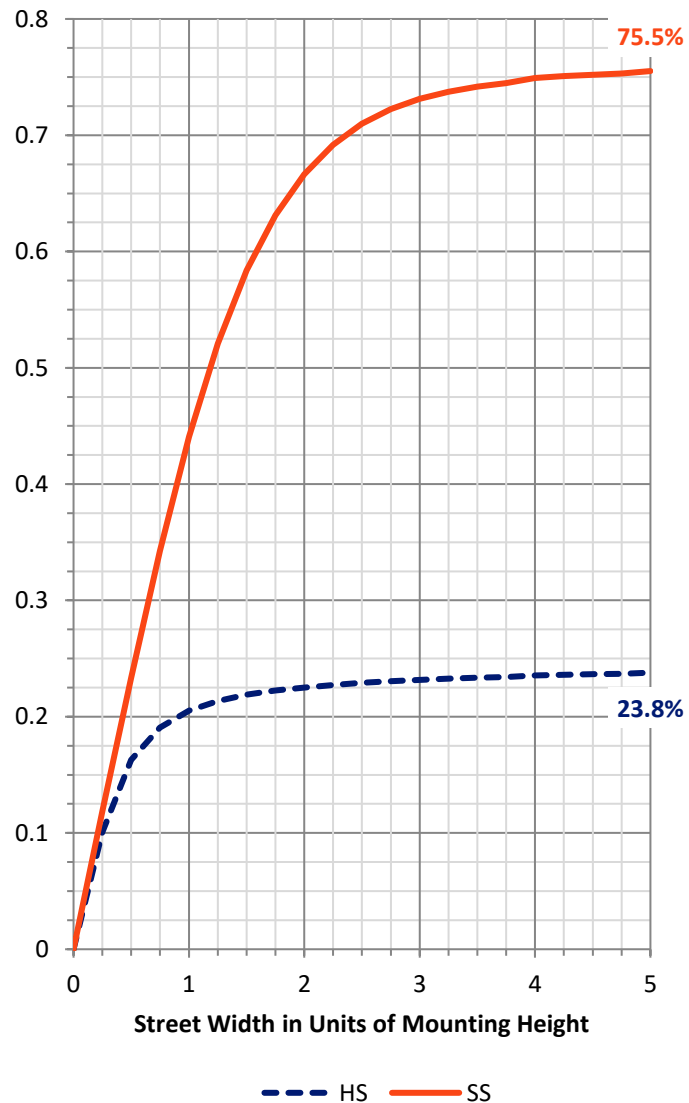
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1693.5	0.0	1693.5
	% Fixture	24.3	0.0	24.3
Street Side	Lumens	5288.5	0.0	5288.5
	% Fixture	75.7	0.0	75.7
Total	Lumens	6982.0	0.0	6982.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.2	1.0
10°-20°	220.8	3.2
20°-30°	415.2	5.9
30°-40°	710.9	10.2
40°-50°	1085.7	15.6
50°-60°	1404.1	20.1
60°-70°	1597.1	22.9
70°-80°	1217.0	17.4
80°-90°	264.0	3.8
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°	6982.0	100.0
0°-180°	6982.0	100.0

Coefficient of Utilization



REPORT NUMBER: P286954

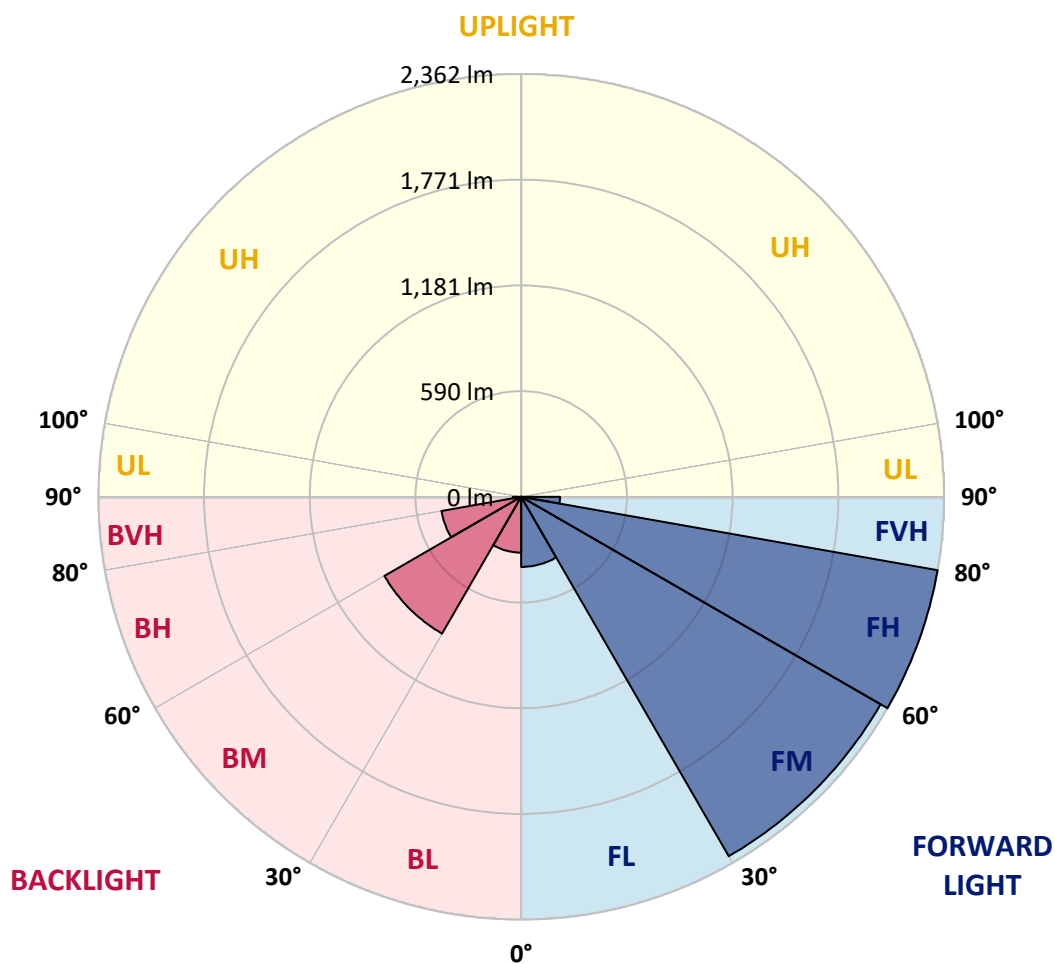
CATALOG NUMBER: USSL-C01-D-U-T3-BZ-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	391.4	5.6			
FM	(30°-60°)	2318.2	33.2			
FH	(60°-80°)	2361.9	33.8			G2/5000
FVH	(80°-90°)	217.0	3.1			G2/225
BL	(0°-30°)	311.8	4.5	B1/500		
BM	(30°-60°)	882.5	12.6	B1/1000		
BH	(60°-80°)	452.2	6.5	B1/500		G1/500
BVH	(80°-90°)	47.0	0.7			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





REPORT NUMBER: P286954

CATALOG NUMBER: USSL-C01-D-U-T3-BZ-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	678.2	678.2	678.2	678.2	678.2	678.2	678.2	678.2	678.2	678.2	678.2
2.5°	719.5	714.7	715.1	702.8	703.1	698.3	695.6	691.5	684.7	687.1	675.8
5°	754.3	747.8	749.9	735.2	734.5	728.0	721.2	708.9	705.8	704.5	694.6
7.5°	777.2	775.8	774.8	767.3	766.6	759.1	752.6	739.3	734.2	728.0	715.4
10°	799.4	800.4	801.4	788.4	796.6	787.8	780.6	769.7	762.8	760.8	741.3
12.5°	810.6	811.6	817.1	813.4	818.1	822.9	815.7	804.5	797.7	797.7	775.1
15°	820.5	823.3	832.5	835.5	844.1	848.2	853.6	846.5	836.2	834.5	815.7
17.5°	837.2	835.9	844.1	857.7	867.6	875.5	890.8	888.8	888.1	883.7	870.0
20°	859.8	857.4	865.6	871.4	886.7	910.3	931.1	941.7	941.0	938.6	926.7
22.5°	884.3	882.0	882.3	886.7	907.6	943.1	975.1	995.3	995.6	997.0	1007.9
25°	926.3	916.4	913.4	917.1	942.0	985.4	1026.7	1059.8	1066.3	1074.1	1108.9
27.5°	1028.0	1032.8	991.2	964.2	985.0	1038.3	1086.7	1135.6	1145.8	1169.3	1239.0
30°	1186.1	1178.2	1157.1	1098.4	1050.9	1098.4	1166.6	1227.0	1246.5	1306.6	1369.4
32.5°	1305.5	1305.9	1295.6	1245.8	1180.3	1168.7	1245.8	1345.8	1384.4	1496.0	1552.3
35°	1426.7	1421.6	1430.5	1383.3	1325.3	1284.0	1332.2	1464.2	1552.6	1717.8	1748.2
37.5°	1540.4	1542.1	1544.1	1498.7	1471.1	1456.7	1451.3	1617.5	1744.5	1924.0	1943.1
40°	1624.7	1633.9	1640.4	1615.4	1605.5	1606.2	1582.7	1799.4	1975.2	2152.0	2130.1
42.5°	1691.9	1702.5	1749.6	1716.1	1730.5	1759.1	1755.0	1943.4	2162.2	2326.7	2301.5
45°	1748.2	1748.6	1781.3	1794.6	1845.8	1900.1	1904.5	2097.0	2317.2	2484.4	2436.0
47.5°	1787.1	1780.3	1805.9	1860.2	1954.4	2018.2	2060.5	2270.8	2477.3	2625.7	2573.5
50°	1799.1	1808.6	1851.3	1920.2	2045.8	2146.5	2235.6	2490.9	2633.2	2764.0	2685.1
52.5°	1821.3	1825.4	1885.1	1975.2	2138.7	2272.8	2361.6	2718.2	2825.1	2905.6	2821.7
55°	1840.0	1851.6	1908.6	2004.2	2197.4	2375.2	2495.0	2925.4	3045.9	3061.6	2964.7
57.5°	1772.8	1784.1	1885.4	2012.4	2246.2	2457.8	2641.4	3126.8	3276.6	3250.0	3089.6
60°	1648.6	1661.5	1783.0	1989.9	2254.0	2550.0	2833.3	3394.4	3520.3	3488.2	3230.2
62.5°	1535.9	1536.6	1668.0	1893.3	2216.8	2613.1	3066.4	3740.5	3835.4	3779.0	3386.2
65°	1387.4	1386.1	1504.9	1738.0	2111.7	2593.7	3248.3	4163.0	4288.6	4128.9	3535.3
67.5°	1186.8	1182.7	1302.8	1518.9	1916.5	2493.6	3402.6	4450.4	4515.3	4384.2	3654.5
70°	938.3	933.8	1035.5	1249.9	1644.5	2265.3	3499.8	4573.3	4611.5	4474.6	3692.0
72.5°	658.1	655.3	716.1	885.7	1258.1	1905.9	3479.0	4511.8	4536.1	4380.1	3581.8
75°	389.4	388.4	445.1	542.0	743.7	1420.2	3243.9	4286.6	4315.6	4173.9	3311.1
77.5°	150.2	139.3	217.4	263.8	422.9	665.2	2481.4	3882.1	3949.4	3816.2	2917.2
80°	49.1	50.9	152.6	186.4	245.4	298.0	1327.7	3150.7	3310.1	3224.7	2209.7
82.5°	35.8	36.9	94.9	125.9	162.5	202.1	502.4	1712.7	1880.6	1851.6	1084.7
85°	23.6	23.6	32.4	44.7	60.8	80.9	141.0	869.3	1065.6	1033.8	470.0
87.5°	12.6	13.0	18.8	27.0	36.5	42.7	45.1	177.8	242.7	211.3	93.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P286954

CATALOG NUMBER: USSL-C01-D-U-T3-BZ-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	678.2	678.2	678.2	678.2	678.2	678.2	678.2	678.2	678.2	678.2	678.2
2.5°	672.4	679.2	674.1	670.0	663.2	659.4	660.4	657.0	654.0	661.8	658.1
5°	691.2	695.6	682.3	674.4	663.5	654.3	653.6	646.1	642.4	645.4	646.8
7.5°	707.2	710.6	692.9	678.9	668.0	657.0	649.5	636.6	631.4	636.9	638.9
10°	734.9	730.8	709.3	693.6	677.5	664.2	651.6	639.3	630.1	630.4	631.1
12.5°	766.3	755.0	735.9	713.7	696.3	683.0	665.6	644.7	630.1	629.7	632.1
15°	809.9	796.3	779.6	753.3	733.8	714.7	686.7	650.5	627.3	619.1	615.7
17.5°	864.6	846.5	840.7	810.3	778.2	741.7	697.0	652.9	612.0	596.6	597.3
20°	930.1	924.3	916.8	866.9	820.9	759.4	701.7	642.0	587.1	560.1	557.4
22.5°	1022.2	1019.5	984.0	915.7	845.1	771.0	697.6	618.8	552.6	519.1	512.3
25°	1128.7	1106.5	1040.7	957.0	864.2	774.1	681.3	585.0	512.0	470.3	468.3
27.5°	1234.5	1195.3	1098.4	983.0	865.9	762.2	646.8	538.9	471.7	432.8	427.7
30°	1357.8	1304.8	1156.7	1001.8	862.2	732.1	598.7	500.4	445.1	406.5	400.7
32.5°	1513.4	1423.6	1214.4	1010.3	836.9	691.8	547.5	483.6	425.6	381.2	374.4
35°	1699.7	1580.3	1292.6	1010.0	803.8	629.4	521.5	474.1	412.0	357.4	347.1
37.5°	1878.3	1755.7	1381.0	1005.9	750.9	564.2	503.4	458.7	402.8	352.6	346.8
40°	2042.8	1899.8	1488.1	998.3	688.8	524.6	483.3	434.8	391.8	357.0	350.5
42.5°	2196.0	2035.6	1584.0	979.6	620.5	496.6	456.0	418.8	380.2	336.2	326.3
45°	2334.6	2150.3	1650.3	935.2	545.8	465.6	425.3	397.3	359.1	314.0	306.2
47.5°	2450.3	2254.7	1697.0	875.5	485.3	432.8	389.8	366.9	333.1	291.8	281.6
50°	2551.7	2358.1	1728.8	773.8	432.4	399.3	354.6	329.7	299.3	270.0	262.8
52.5°	2650.7	2462.9	1765.6	637.9	382.6	360.4	314.4	286.7	263.8	250.2	245.4
55°	2781.4	2596.4	1765.6	467.6	336.9	329.4	279.5	243.0	227.0	217.4	219.8
57.5°	2899.5	2678.3	1691.2	348.1	307.9	297.3	241.7	205.8	188.7	191.1	198.3
60°	3030.2	2756.5	1483.7	288.1	283.3	253.3	206.2	180.9	172.0	163.5	162.5
62.5°	3120.0	2767.7	1217.1	254.3	258.7	223.6	192.8	166.6	156.7	144.4	141.6
65°	3220.3	2707.3	915.7	238.6	236.9	212.3	190.1	164.5	150.9	130.7	127.3
67.5°	3183.4	2528.8	650.2	220.8	221.5	213.7	194.5	164.2	147.8	125.9	123.6
70°	3023.4	2239.7	407.5	212.6	218.4	216.4	202.4	172.7	146.8	114.3	110.9
72.5°	2797.8	1867.7	228.0	197.3	216.7	218.1	212.0	180.6	134.5	93.5	91.5
75°	2427.8	1425.3	163.1	182.6	208.5	217.8	207.9	173.7	123.2	88.1	85.3
77.5°	1898.1	835.5	143.7	168.3	193.2	194.5	206.2	180.6	128.0	89.4	86.4
80°	1026.3	345.8	120.8	148.1	158.7	184.0	200.0	168.6	118.4	72.0	67.6
82.5°	416.4	97.6	70.3	94.2	128.7	151.9	178.2	149.2	108.5	60.1	56.7
85°	106.5	33.4	32.8	48.1	77.1	113.7	144.7	127.7	88.4	26.6	1.7
87.5°	13.3	10.9	13.0	26.6	50.2	81.6	106.1	92.2	62.8	0.3	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)