

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: P286978

Luminaire Tested: **USSL-C01-D-U-T4-BZ-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286978
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-8)
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-T4-BZ-7050
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED AND TYPE IV OPTIC, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7217 lumens
Efficiency: N/A
Efficacy: 138.8 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G3

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

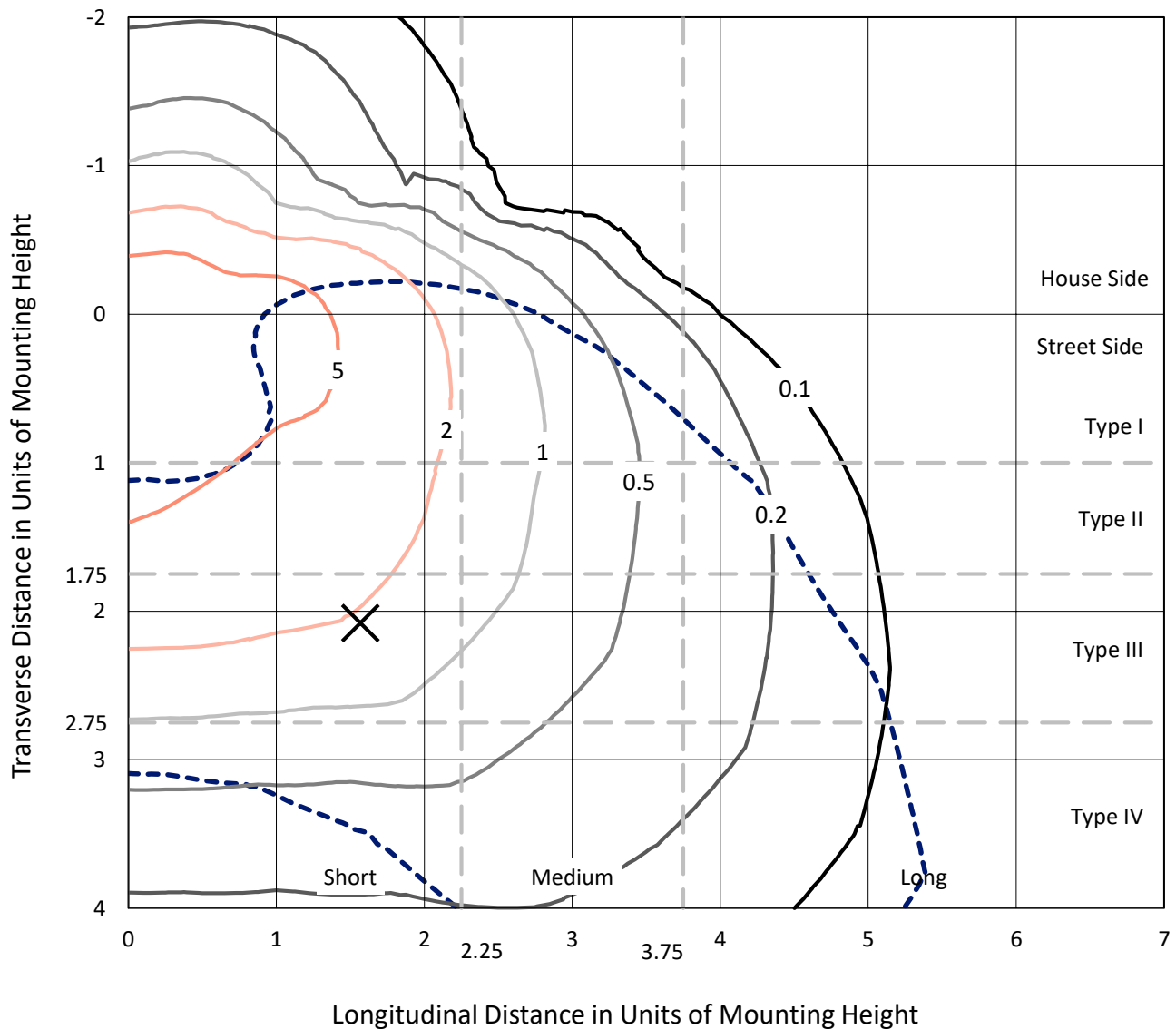


REPORT NUMBER: P286978

CATALOG NUMBER: USSL-C01-D-U-T4-BZ-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

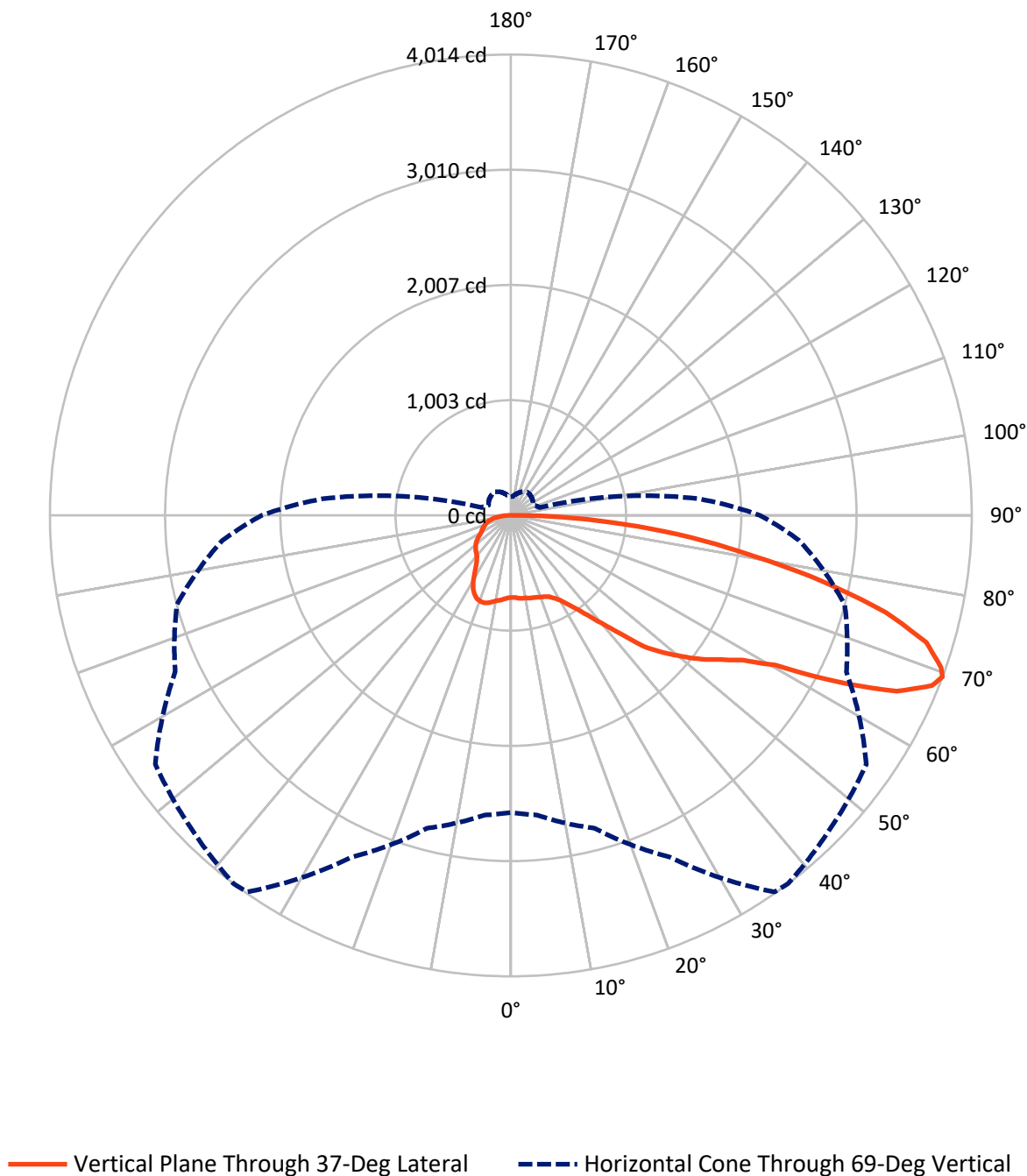


Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P286978

CATALOG NUMBER: USSL-C01-D-U-T4-BZ-7050

Luminous Intensity Polar Plot



REPORT NUMBER: P286978

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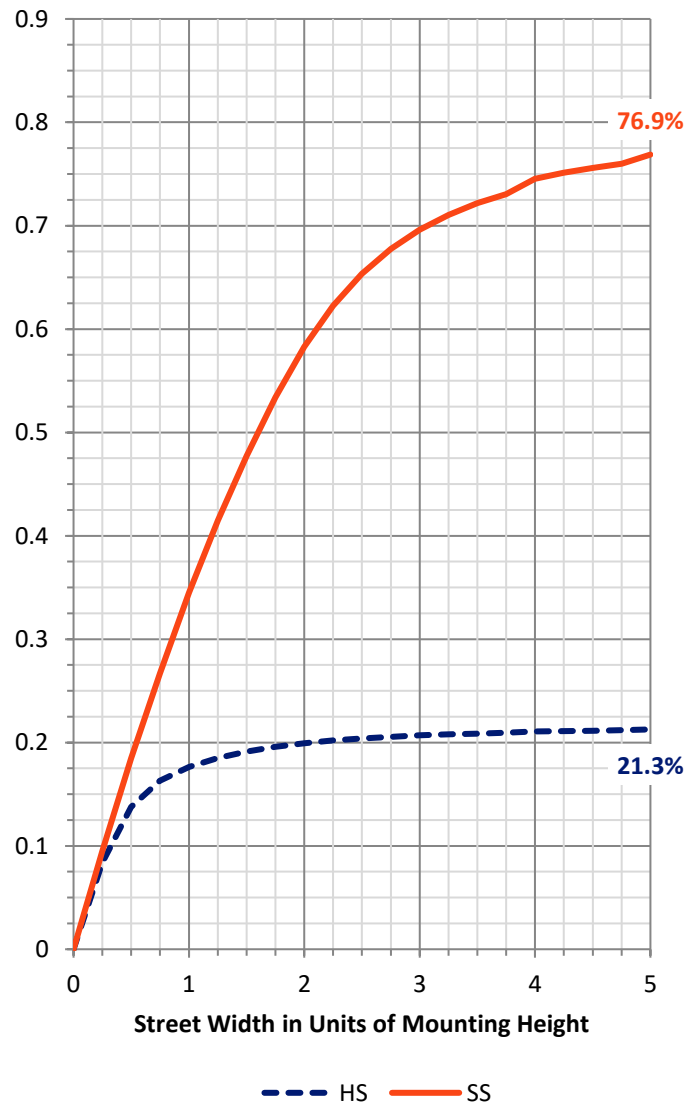
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1556.2	0.0	1556.2
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	5660.8	0.0	5660.8
	% Fixture	78.4	0.0	78.4
Total	Lumens	7217.0	0.0	7217.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.8	1.0
10°-20°	218.1	3.0
20°-30°	372.6	5.2
30°-40°	590.7	8.2
40°-50°	1003.7	13.9
50°-60°	1423.0	19.7
60°-70°	1810.8	25.1
70°-80°	1389.7	19.3
80°-90°	338.7	4.7
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°	7217.0	100.0
0°-180°	7217.0	100.0

Coefficient of Utilization



REPORT NUMBER: P286978

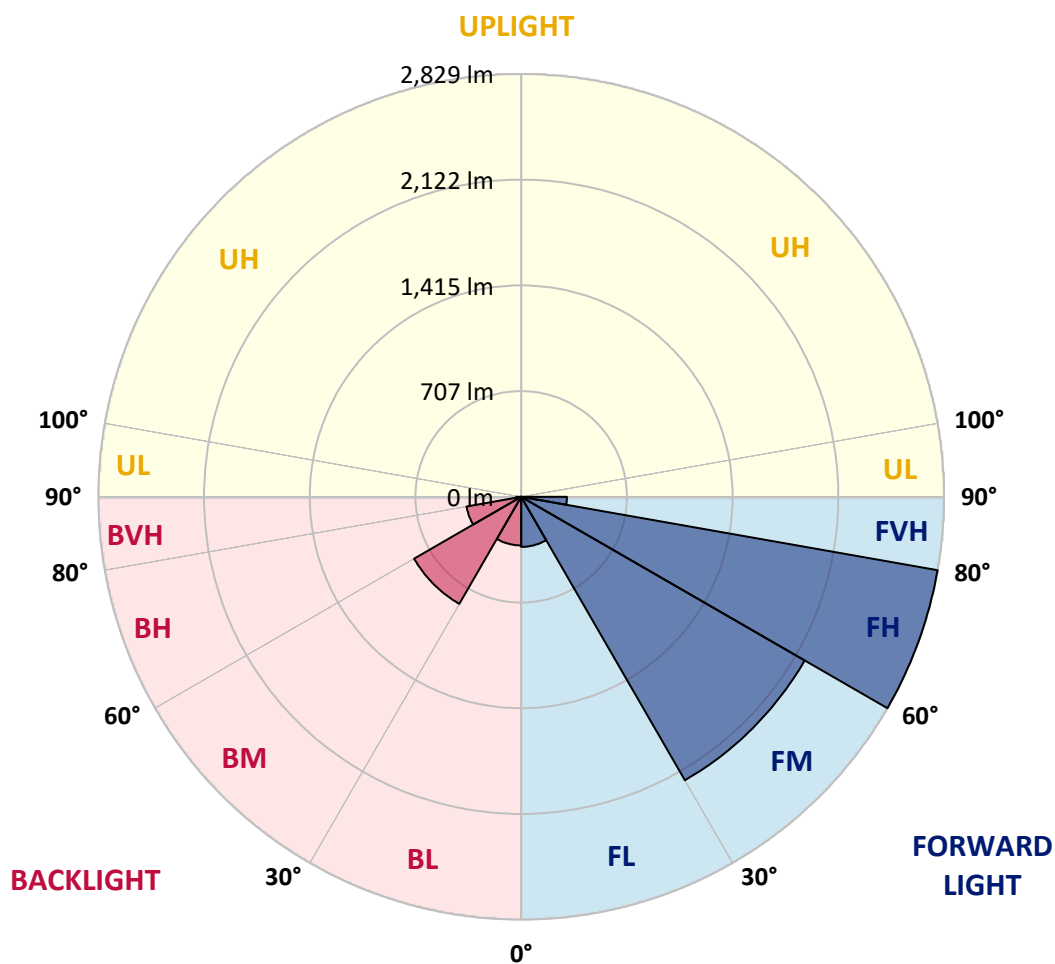
CATALOG NUMBER: USSL-C01-D-U-T4-BZ-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	335.0	4.6			
FM	(30°-60°)	2190.2	30.3			
FH	(60°-80°)	2829.4	39.2			G2/5000
FVH	(80°-90°)	306.2	4.2			G3/500
BL	(0°-30°)	325.4	4.5	B1/500		
BM	(30°-60°)	827.1	11.5	B1/1000		
BH	(60°-80°)	371.2	5.1	B1/500		G1/500
BVH	(80°-90°)	32.5	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short





REPORT NUMBER: P286978

CATALOG NUMBER: USSL-C01-D-U-T4-BZ-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	714.7	714.7	714.7	714.7	714.7	714.7	714.7	714.7	714.7	714.7	714.7
2.5°	728.5	724.6	724.6	716.4	716.4	715.7	717.5	713.3	712.5	711.8	709.4
5°	737.7	736.3	731.3	725.3	728.1	724.2	724.2	718.6	718.9	718.2	714.3
7.5°	735.6	738.0	737.7	730.6	728.5	729.5	729.9	730.2	726.7	726.4	723.5
10°	742.3	739.8	740.9	729.9	732.7	730.2	734.1	733.8	733.8	733.8	730.6
12.5°	728.1	731.0	732.0	733.8	739.1	739.1	745.5	747.9	753.3	756.8	752.5
15°	724.2	721.7	732.0	731.0	743.3	742.3	752.5	766.4	771.0	780.5	783.0
17.5°	722.1	727.1	734.8	734.5	746.5	749.0	763.2	778.7	791.8	807.8	813.4
20°	728.1	728.1	736.3	739.8	758.2	758.2	773.1	792.5	813.1	836.4	848.5
22.5°	747.2	747.9	755.4	751.5	763.2	767.4	780.2	802.1	834.0	859.4	884.2
25°	758.2	762.5	771.3	770.2	781.6	784.8	800.0	828.3	862.6	896.3	937.7
27.5°	783.7	784.0	791.1	789.0	815.9	817.3	831.1	852.7	902.6	941.2	999.3
30°	820.5	822.6	827.2	833.6	861.6	860.2	869.4	898.0	946.2	998.2	1077.1
32.5°	900.5	895.9	890.2	891.3	918.9	926.7	944.4	978.4	1037.8	1100.9	1186.2
35°	1036.8	1034.0	1013.4	989.4	998.9	1008.1	1037.1	1102.3	1193.9	1341.9	1418.0
37.5°	1214.8	1223.3	1184.7	1133.4	1112.5	1114.7	1141.6	1229.7	1379.4	1659.1	1707.2
40°	1440.3	1427.6	1380.1	1311.5	1258.7	1247.8	1256.2	1369.2	1586.9	1938.7	1947.9
42.5°	1604.9	1606.7	1552.9	1503.0	1433.9	1413.4	1399.3	1506.2	1801.4	2154.3	2121.7
45°	1795.7	1809.5	1750.7	1699.4	1650.9	1629.7	1608.5	1673.9	2023.3	2325.6	2269.7
47.5°	1957.5	1959.9	1884.2	1846.0	1792.2	1782.6	1762.1	1825.1	2203.8	2460.1	2383.6
50°	2107.6	2133.4	2035.0	1980.5	1935.5	1929.5	1936.9	1996.4	2379.8	2576.6	2475.7
52.5°	2365.2	2325.6	2210.6	2107.9	2079.9	2080.3	2078.9	2175.9	2561.7	2674.6	2551.4
55°	2602.8	2525.6	2398.5	2283.1	2214.8	2215.5	2227.5	2346.1	2712.5	2769.1	2603.1
57.5°	2751.4	2793.9	2677.4	2504.4	2375.2	2377.3	2376.9	2505.4	2842.0	2852.3	2643.1
60°	2968.4	3019.0	2988.6	2858.7	2685.2	2647.0	2550.4	2685.2	2975.1	2932.0	2685.6
62.5°	3127.0	3164.5	3249.1	3176.5	3186.5	3190.4	2886.6	2890.2	3070.4	2997.8	2694.8
65°	3127.3	3126.6	3323.1	3413.7	3649.8	3690.9	3563.1	3173.4	3160.6	3008.4	2659.4
67.5°	2828.6	2847.0	3053.7	3390.3	3924.5	3955.3	3873.5	3621.1	3207.3	3020.4	2602.1
69°	2587.2	2619.7	2819.7	3282.7	4002.4	4013.7	3903.3	3779.0	3224.3	3010.2	2522.1
70°	2427.5	2429.0	2632.8	3150.0	3963.1	3975.8	3901.1	3805.9	3209.8	2981.2	2459.0
72.5°	1915.7	1935.9	2116.4	2676.0	3770.2	3782.5	3756.7	3735.1	3188.9	2852.7	2115.0
75°	1400.7	1414.1	1579.1	2096.2	3296.9	3371.6	3484.9	3605.9	2971.6	2453.0	1592.2
77.5°	982.3	1000.0	1169.9	1591.1	2685.2	2787.9	3043.1	3156.4	2517.8	1921.4	887.8
80°	655.9	677.9	832.2	1185.1	2044.2	2149.0	2444.2	2493.0	1926.0	1152.5	175.9
82.5°	417.3	423.0	545.8	837.5	1520.3	1580.5	1687.4	1585.1	1020.9	262.6	52.0
85°	243.5	253.8	330.3	525.6	937.3	1006.0	1052.7	786.5	246.7	35.4	28.0
87.5°	91.7	95.9	133.8	227.3	438.6	431.8	419.1	265.5	44.2	16.3	12.7
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: P286978

CATALOG NUMBER: USSL-C01-D-U-T4-BZ-7050

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	714.7	714.7	714.7	714.7	714.7	714.7	714.7	714.7	714.7	714.7	714.7
2.5°	709.0	715.4	712.2	710.8	710.1	713.6	720.3	718.6	717.5	729.2	730.2
5°	714.3	723.2	722.8	724.2	722.1	726.4	729.5	730.6	731.7	744.0	745.8
7.5°	724.2	728.1	729.5	735.2	732.0	738.7	744.4	738.7	744.0	752.9	754.7
10°	733.1	739.1	739.4	748.3	745.1	751.5	752.9	752.9	757.1	767.4	765.6
12.5°	754.3	754.7	767.1	767.8	772.0	771.7	768.8	760.7	756.8	770.6	771.7
15°	785.1	789.0	804.9	803.9	798.6	795.7	783.7	763.5	751.8	749.7	749.7
17.5°	822.3	823.3	843.9	839.6	831.1	812.7	792.9	757.1	724.2	713.6	707.2
20°	852.7	861.6	886.7	872.2	857.3	827.6	784.0	734.8	683.9	658.0	651.3
22.5°	894.1	911.5	926.0	904.8	873.6	830.4	773.1	702.3	635.4	595.0	587.9
25°	952.9	962.8	962.1	925.3	876.1	821.6	741.6	656.3	574.5	530.3	517.2
27.5°	1013.4	1020.5	990.8	940.9	867.6	796.4	700.5	596.1	512.9	473.3	463.3
30°	1082.1	1075.0	1013.1	934.1	845.3	752.2	642.8	529.9	459.5	424.4	419.1
32.5°	1187.9	1151.5	1032.9	918.6	804.9	691.3	572.4	482.5	424.8	383.7	376.6
35°	1371.6	1294.5	1068.3	904.8	756.1	623.0	511.8	449.5	394.0	345.5	336.3
37.5°	1609.2	1486.3	1134.8	881.0	698.4	556.4	473.3	421.9	370.6	316.8	306.5
40°	1842.1	1687.0	1224.4	857.3	643.9	511.1	451.3	411.0	361.4	306.2	295.2
42.5°	2012.0	1847.7	1322.1	834.7	591.1	475.7	440.3	407.8	361.8	308.0	297.7
45°	2140.1	1975.2	1421.2	803.5	529.5	448.5	430.1	404.6	361.4	309.7	297.0
47.5°	2253.0	2058.7	1489.5	762.5	471.1	427.2	417.7	392.6	352.6	302.3	291.3
50°	2332.7	2138.0	1534.1	726.7	426.2	408.5	400.3	373.1	331.7	287.8	275.0
52.5°	2389.0	2189.3	1539.4	717.9	392.2	392.2	379.5	351.1	311.1	266.9	254.5
55°	2448.1	2218.7	1516.4	684.9	356.5	365.3	357.2	336.3	297.7	252.4	244.6
57.5°	2445.6	2203.8	1470.4	550.4	316.5	325.7	328.8	323.2	292.7	255.9	248.5
60°	2461.9	2188.6	1393.9	382.6	278.6	292.7	306.2	306.2	277.2	233.6	225.8
62.5°	2453.4	2153.6	1230.8	269.7	248.5	271.1	288.1	275.0	246.7	209.9	204.9
65°	2398.2	2053.7	923.2	229.0	237.9	258.8	274.3	254.2	225.1	189.7	186.2
67.5°	2297.3	1870.0	491.0	214.2	233.3	250.3	258.8	236.8	208.1	172.4	168.5
69°	2168.8	1647.7	263.4	212.0	232.6	243.2	249.2	226.5	195.4	163.9	163.9
70°	2035.7	1471.8	170.3	213.1	229.7	238.9	242.5	219.5	188.0	155.0	153.6
72.5°	1595.0	946.5	142.3	202.5	221.2	225.5	225.1	200.7	165.0	117.9	120.0
75°	968.1	288.8	135.9	185.1	207.1	215.9	210.3	168.5	128.5	98.8	98.8
77.5°	263.4	101.2	128.8	168.8	189.0	191.5	189.7	156.8	114.7	81.8	82.5
80°	78.6	78.6	120.0	140.9	160.3	171.7	162.8	137.7	92.0	43.2	44.6
82.5°	45.3	51.0	100.5	99.1	129.6	129.2	129.2	98.4	62.3	28.3	23.0
85°	24.1	36.1	54.5	57.0	60.9	68.7	93.1	85.0	47.1	12.7	2.8
87.5°	13.8	20.5	14.9	10.6	22.3	40.7	60.2	57.7	39.3	0.4	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)