

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: P380927

Luminaire Tested: **USSL-PA2B-730-U-T3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P380927
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-568-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-PA2B-730-U-T3
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 970mA LIGHT ENGINES WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17911 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Luminous Opening: Rectangular (W 1.1' x L: 1.12' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 151
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



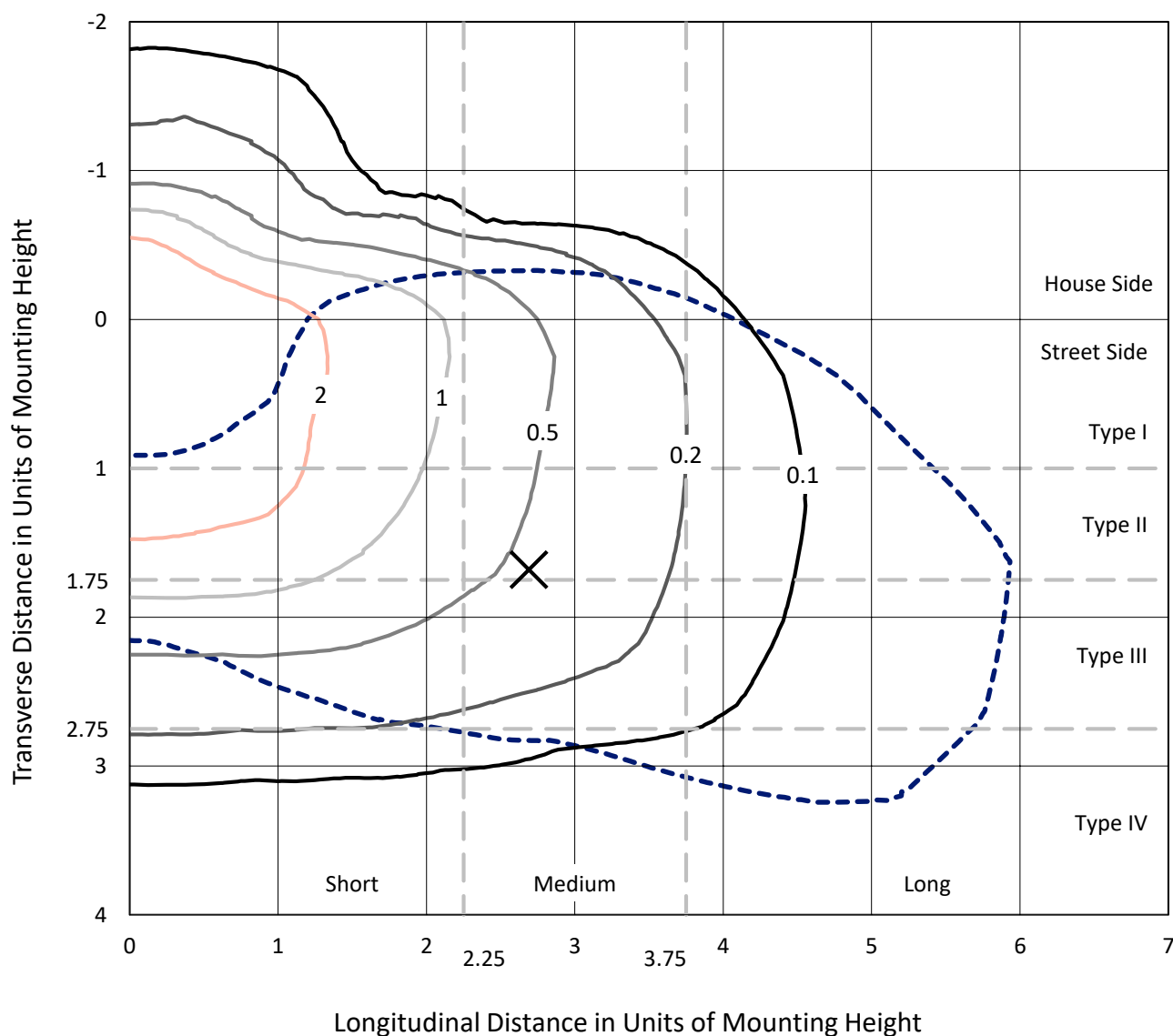
REPORT NUMBER: P380927

CATALOG NUMBER: USSL-PA2B-730-U-T3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

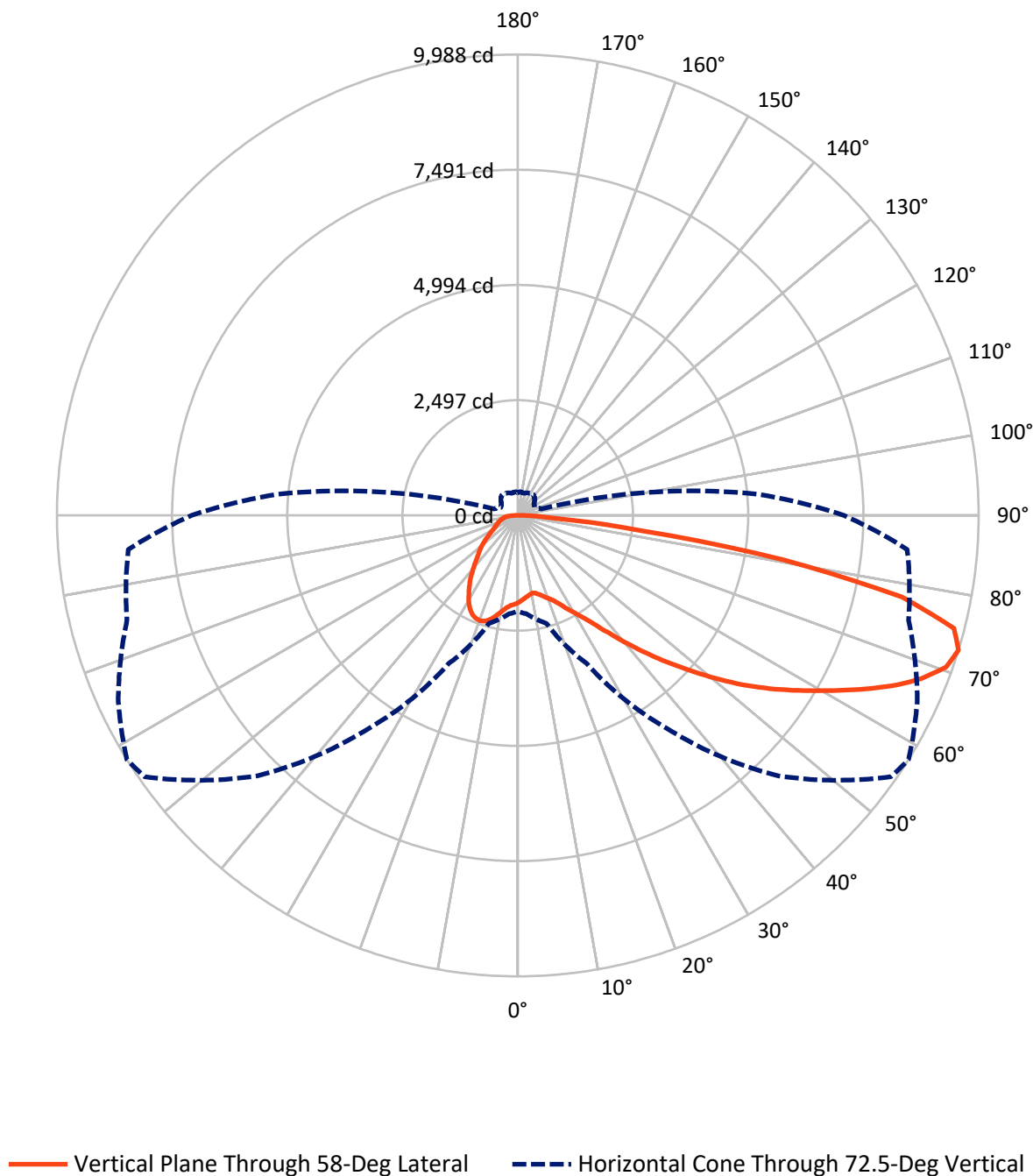


Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P380927

CATALOG NUMBER: USSL-PA2B-730-U-T3

Luminous Intensity Polar Plot



REPORT NUMBER: P380927

CATALOG NUMBER: USSL-PA2B-730-U-T3

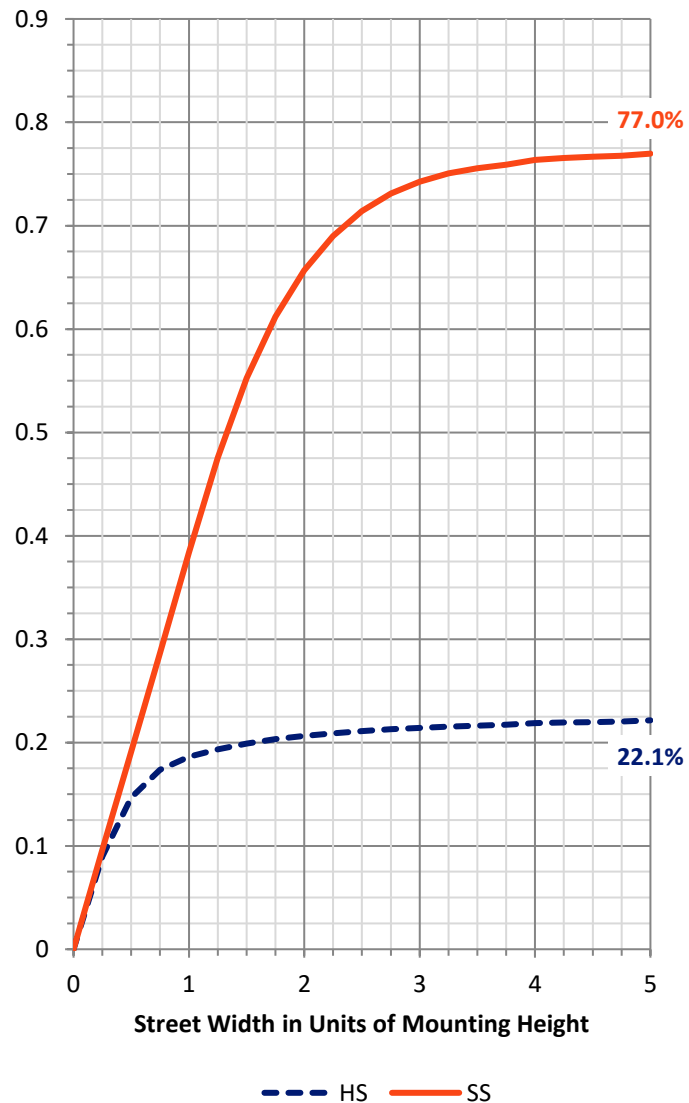
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4062.0	0.0	4062.0
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	13849.0	0.0	13849.0
	% Fixture	77.3	0.0	77.3
Total	Lumens	17911.0	0.0	17911.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.0	1.0
10°-20°	578.0	3.2
20°-30°	1035.3	5.8
30°-40°	1557.4	8.7
40°-50°	2522.0	14.1
50°-60°	3796.4	21.2
60°-70°	4468.0	24.9
70°-80°	3168.2	17.7
80°-90°	603.7	3.4
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°	17911.0	100.0
0°-180°	17911.0	100.0

Coefficient of Utilization



REPORT NUMBER: P380927

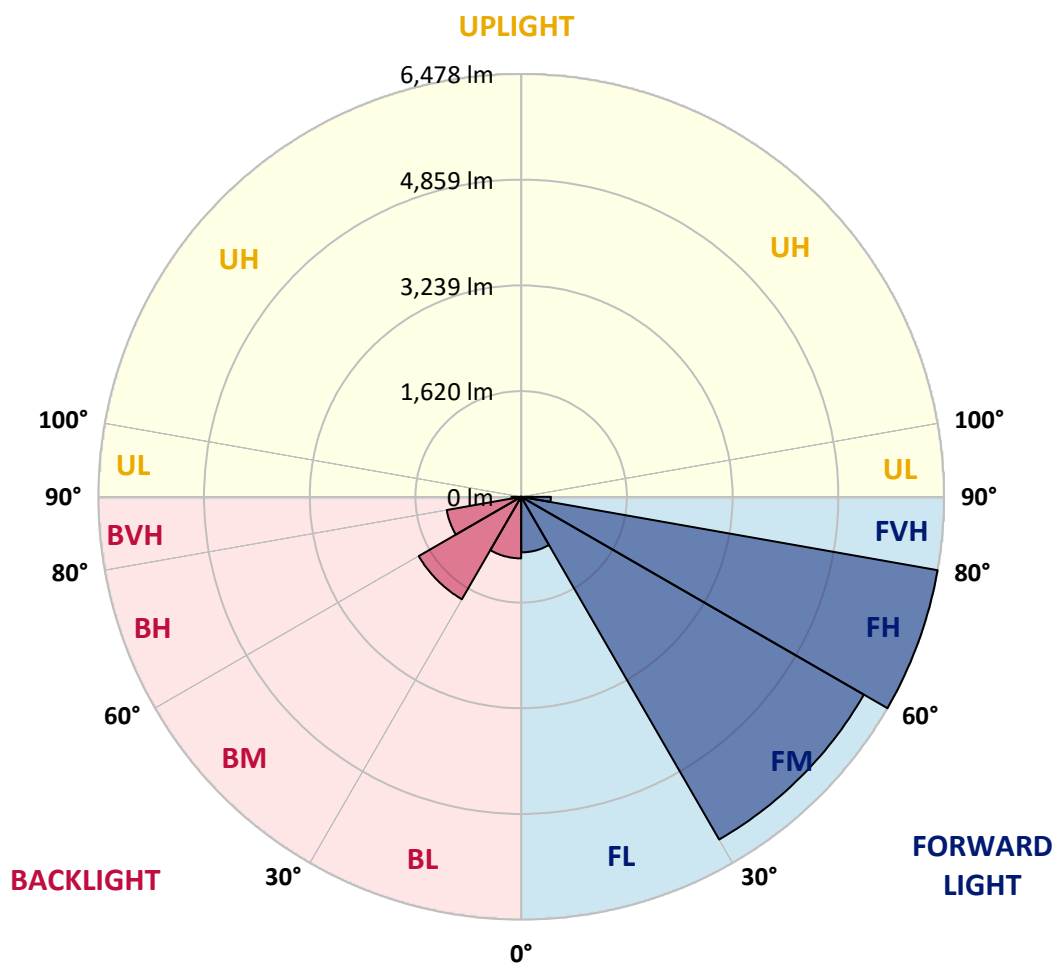
CATALOG NUMBER: USSL-PA2B-730-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	851.7	4.8			
FM	(30°-60°)	6063.4	33.9			
FH	(60°-80°)	6478.5	36.2			G3/7500
FVH	(80°-90°)	455.4	2.5			G3/500
BL	(0°-30°)	943.5	5.3	B2/1000		
BM	(30°-60°)	1812.4	10.1	B2/2500		
BH	(60°-80°)	1157.7	6.5	B3/2500		G3/2500
BVH	(80°-90°)	148.3	0.8			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Medium





REPORT NUMBER: P380927

CATALOG NUMBER: USSS-PA2B-730-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1889.2	1889.2	1889.2	1889.2	1889.2	1889.2	1889.2	1889.2	1889.2	1889.2	1889.2
2.5°	1818.3	1808.8	1811.2	1811.2	1820.7	1825.4	1827.8	1834.8	1839.6	1851.4	1867.9
5°	1733.2	1726.1	1728.4	1730.8	1747.4	1763.9	1778.1	1787.6	1801.7	1820.7	1844.3
7.5°	1671.7	1667.0	1669.3	1674.1	1688.2	1707.2	1730.8	1745.0	1766.3	1801.7	1841.9
10°	1626.8	1626.8	1629.1	1638.6	1652.8	1676.4	1695.3	1711.9	1754.5	1818.3	1879.8
12.5°	1591.3	1591.3	1598.4	1617.3	1641.0	1664.6	1709.5	1728.4	1785.2	1872.7	1946.0
15°	1588.9	1591.3	1593.7	1610.2	1636.2	1688.2	1754.5	1782.8	1851.4	1955.4	2040.6
17.5°	1626.8	1629.1	1619.7	1624.4	1655.1	1728.4	1815.9	1849.0	1936.5	2050.0	2137.5
20°	1742.6	1742.6	1714.3	1688.2	1709.5	1789.9	1889.2	1922.3	2019.3	2144.6	2232.1
22.5°	1979.1	1990.9	1924.7	1867.9	1834.8	1879.8	1969.6	2005.1	2113.9	2248.6	2336.1
25°	2265.2	2277.0	2187.2	2106.8	2045.3	2038.2	2097.3	2135.1	2225.0	2364.5	2437.8
27.5°	2541.8	2520.5	2437.8	2362.1	2284.1	2220.3	2265.2	2298.3	2402.3	2508.7	2553.7
30°	2759.4	2742.8	2662.4	2608.0	2534.7	2452.0	2426.0	2461.4	2546.6	2645.9	2669.5
32.5°	3000.5	2988.7	2908.3	2837.4	2775.9	2697.9	2641.1	2657.7	2705.0	2775.9	2790.1
35°	3307.9	3333.9	3248.8	3104.6	3036.0	2960.3	2920.1	2924.9	2960.3	3005.3	2981.6
37.5°	3631.9	3662.6	3667.3	3440.3	3348.1	3279.6	3237.0	3253.5	3296.1	3326.8	3253.5
40°	4232.4	4201.7	4078.8	3910.9	3769.0	3702.8	3643.7	3641.3	3672.1	3726.4	3594.0
42.5°	5029.3	5000.9	4752.6	4535.1	4310.5	4234.8	4118.9	4069.3	4083.5	4152.0	3967.6
45°	5793.0	5781.2	5582.6	5329.6	5060.0	4913.4	4648.6	4528.0	4516.2	4570.6	4350.7
47.5°	6471.6	6419.6	6275.4	6079.1	6050.7	5667.7	5180.6	5017.5	4960.7	4991.4	4745.5
50°	7197.5	7020.2	6821.6	6701.0	6906.7	6549.6	5717.3	5547.1	5407.6	5428.9	5173.5
52.5°	7582.9	7285.0	7155.0	7190.4	7467.1	7329.9	6301.4	6093.3	5868.7	5899.4	5599.1
55°	7251.9	7249.5	7306.3	7526.2	7911.6	7753.2	6857.0	6622.9	6377.0	6384.1	6088.6
57.5°	6797.9	6890.1	7183.3	7668.1	8462.5	8197.7	7403.2	7155.0	6930.3	6894.9	6644.2
60°	6384.1	6485.8	6911.4	7644.4	8654.0	8604.4	7923.4	7705.9	7523.8	7419.8	7228.3
62.5°	5755.2	5830.8	6433.8	7493.1	8493.3	8897.6	8450.7	8301.7	8164.6	7949.4	7857.2
65°	5015.1	5041.1	5677.1	6994.2	8292.3	9011.1	8975.6	8909.4	8777.0	8460.2	8479.1
67.5°	4213.5	4265.5	4823.6	6197.3	7852.5	8959.1	9382.3	9436.7	9280.6	8805.4	8876.3
70°	3359.9	3423.8	3847.0	5095.5	7105.3	8734.4	9758.3	9845.7	9545.5	8918.9	8949.6
72.5°	2078.4	2139.9	2423.6	3539.6	5632.2	7980.2	9874.1	9987.6	9552.6	8767.5	8472.0
75°	718.8	725.9	948.2	1697.7	3343.4	6024.7	9495.8	9763.0	9252.3	8216.6	7372.5
77.5°	328.7	340.5	420.9	699.9	1482.5	3251.2	7840.7	8509.8	8339.6	7355.9	5674.8
80°	227.0	231.7	290.8	418.5	855.9	1144.4	4948.9	5821.4	6119.3	5696.1	3636.6
82.5°	170.2	175.0	224.6	283.7	617.1	555.7	1884.5	2705.0	3362.3	3300.8	1520.4
85°	163.2	160.8	175.0	189.2	411.4	331.0	610.0	837.0	1312.3	1123.1	383.0
87.5°	70.9	78.0	179.7	106.4	215.2	153.7	264.8	309.7	399.6	347.6	137.1
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: P380927

CATALOG NUMBER: USSL-PA2B-730-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1889.2	1889.2	1889.2	1889.2	1889.2	1889.2	1889.2	1889.2	1889.2	1889.2	1889.2
2.5°	1875.0	1879.8	1894.0	1915.2	1927.1	1950.7	1967.3	1976.7	1983.8	1986.2	1986.2
5°	1858.5	1867.9	1898.7	1934.2	1967.3	2016.9	2061.8	2087.8	2106.8	2113.9	2116.2
7.5°	1863.2	1886.9	1931.8	1983.8	2026.4	2090.2	2144.6	2196.6	2239.2	2255.7	2255.7
10°	1908.1	1941.2	2002.7	2071.3	2125.7	2191.9	2248.6	2293.6	2343.2	2371.6	2376.3
12.5°	1976.7	2016.9	2097.3	2173.0	2234.4	2286.5	2338.5	2371.6	2395.2	2416.5	2421.2
15°	2073.7	2123.3	2203.7	2281.7	2336.1	2369.2	2383.4	2383.4	2381.0	2383.4	2388.1
17.5°	2170.6	2217.9	2298.3	2376.3	2402.3	2383.4	2366.9	2362.1	2359.8	2355.0	2357.4
20°	2265.2	2310.1	2378.7	2437.8	2416.5	2350.3	2329.0	2326.7	2319.6	2314.8	2310.1
22.5°	2359.8	2392.9	2449.6	2470.9	2385.8	2291.2	2265.2	2251.0	2241.5	2229.7	2217.9
25°	2468.5	2478.0	2520.5	2487.4	2310.1	2182.4	2144.6	2123.3	2113.9	2102.0	2092.6
27.5°	2570.2	2570.2	2577.3	2461.4	2199.0	2038.2	1981.4	1943.6	1941.2	1938.9	1936.5
30°	2662.4	2650.6	2627.0	2383.4	2054.7	1860.9	1775.7	1737.9	1752.1	1763.9	1766.3
32.5°	2771.2	2747.5	2681.3	2277.0	1882.1	1662.2	1558.2	1541.6	1558.2	1572.4	1562.9
35°	2941.4	2898.9	2738.1	2154.1	1716.6	1480.2	1380.9	1357.2	1352.5	1350.1	1331.2
37.5°	3185.0	3111.7	2783.0	2021.6	1553.5	1319.4	1246.1	1196.4	1151.5	1104.2	1097.1
40°	3482.9	3357.6	2813.7	1870.3	1380.9	1184.6	1106.6	1042.7	967.1	884.3	874.9
42.5°	3809.2	3622.4	2827.9	1702.4	1229.5	1073.5	976.5	896.1	811.0	747.2	735.4
45°	4161.5	3908.5	2816.1	1541.6	1106.6	978.9	870.1	782.6	714.1	669.2	659.7
47.5°	4504.4	4237.2	2783.0	1414.0	1012.0	898.5	787.4	707.0	655.0	605.3	593.5
50°	4944.2	4551.6	2742.8	1314.7	908.0	818.1	735.4	650.2	591.1	567.5	562.7
52.5°	5431.2	4866.1	2695.5	1189.3	806.3	754.3	702.3	626.6	607.7	562.7	555.7
55°	5958.5	5239.7	2686.1	1030.9	716.4	709.3	669.2	647.9	652.6	562.7	550.9
57.5°	6514.2	5639.3	2707.3	872.5	643.1	669.2	683.3	666.8	659.7	574.6	550.9
60°	7093.5	6024.7	2643.5	725.9	586.4	636.0	699.9	657.3	605.3	569.8	553.3
62.5°	7656.2	6348.7	2366.9	621.9	543.8	626.6	690.4	621.9	562.7	562.7	555.7
65°	8065.3	6492.9	1851.4	546.2	515.5	614.8	673.9	598.2	550.9	567.5	558.0
67.5°	8112.6	6343.9	1243.7	487.1	491.8	593.5	636.0	576.9	539.1	581.7	567.5
70°	7821.7	5956.2	761.4	442.2	461.1	555.7	602.9	555.7	522.6	569.8	548.6
72.5°	7067.5	5232.6	536.7	404.3	428.0	520.2	572.2	536.7	498.9	515.5	494.2
75°	5797.7	4055.1	425.6	368.9	394.9	487.1	546.2	508.4	470.5	463.4	449.3
77.5°	4107.1	2598.6	342.9	340.5	359.4	446.9	510.7	475.3	437.4	423.2	413.8
80°	2362.1	1274.5	295.6	307.4	326.3	406.7	468.2	437.4	402.0	380.7	366.5
82.5°	903.2	444.5	260.1	267.2	288.5	364.1	425.6	399.6	364.1	383.0	321.6
85°	293.2	243.5	212.8	219.9	241.2	302.7	376.0	354.7	314.5	279.0	257.7
87.5°	130.0	132.4	113.5	125.3	151.3	201.0	274.3	260.1	229.4	191.5	184.4
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)