

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: P286957

Luminaire Tested: **USSL-C02-D-U-T3-AP-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286957
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-C02-D-U-T3-AP-7030
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K LEDS AND TYPE III OPTICS, GRAY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20865.2 lumens
Efficiency: N/A
Efficacy: 136.4 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B3 - U0 - G4

Input Watts (W): 153
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

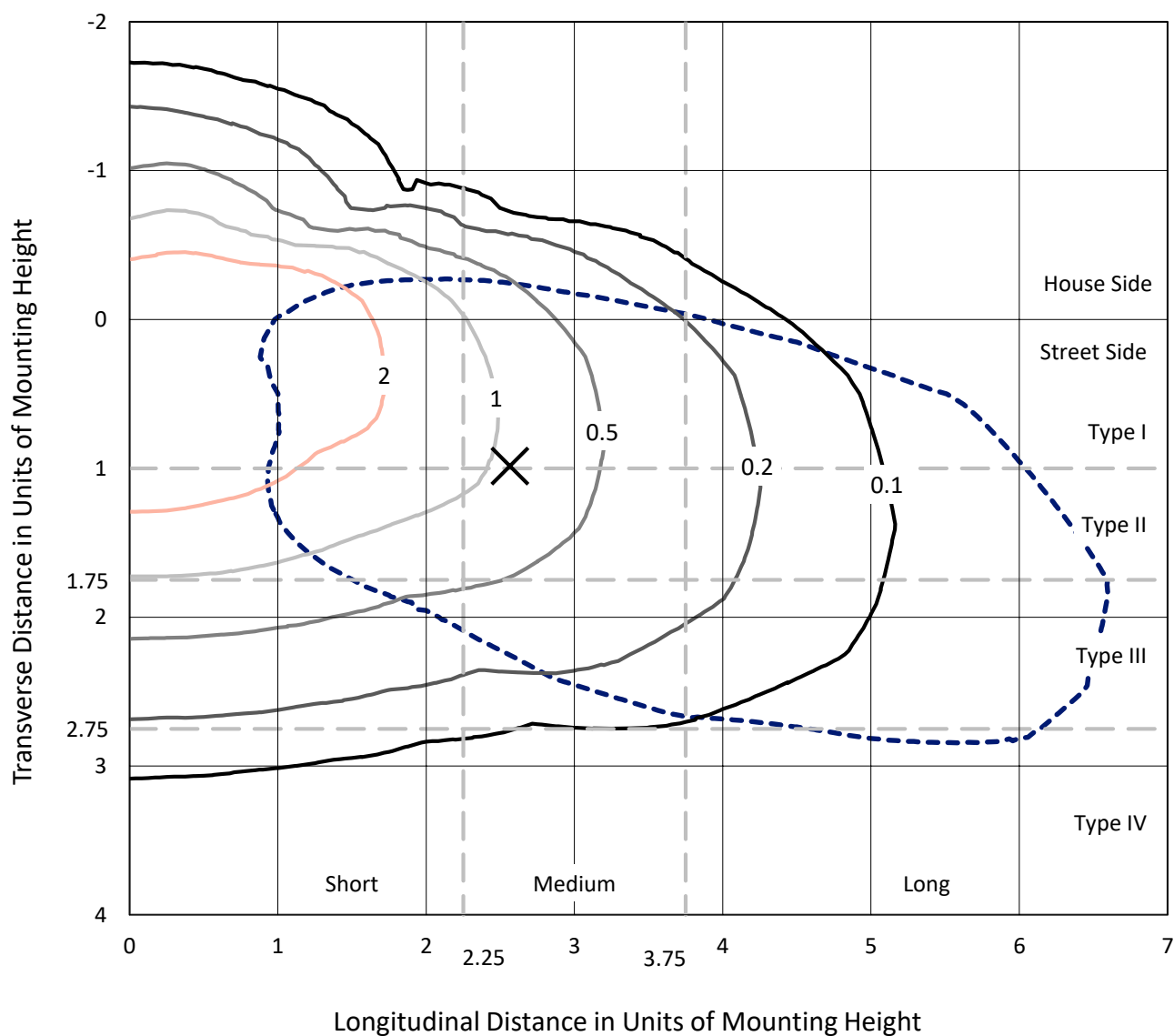


REPORT NUMBER: P286957

CATALOG NUMBER: USSL-C02-D-U-T3-AP-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

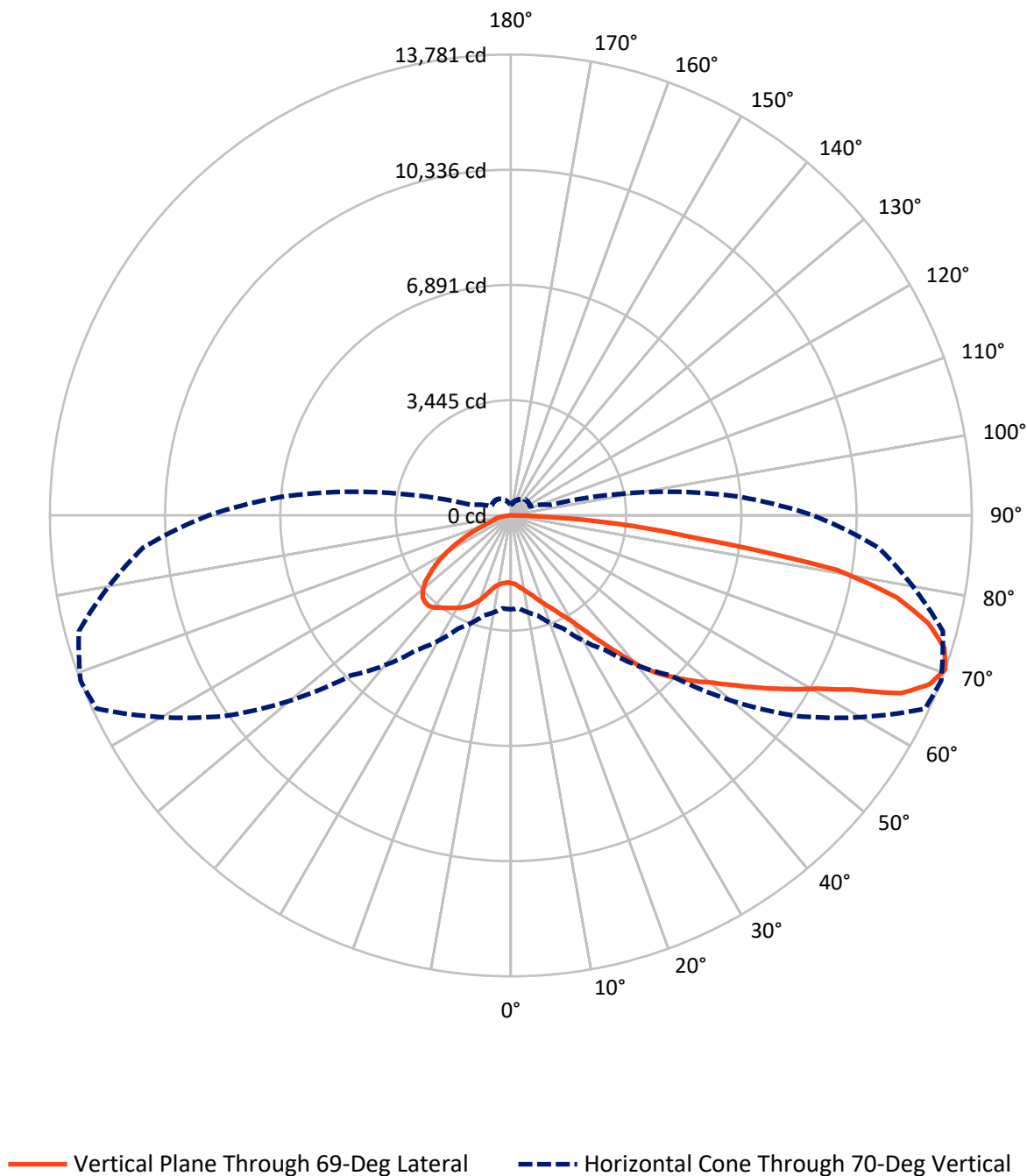


Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P286957

CATALOG NUMBER: USSL-C02-D-U-T3-AP-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P286957

CATALOG NUMBER: USSL-C02-D-U-T3-AP-7030

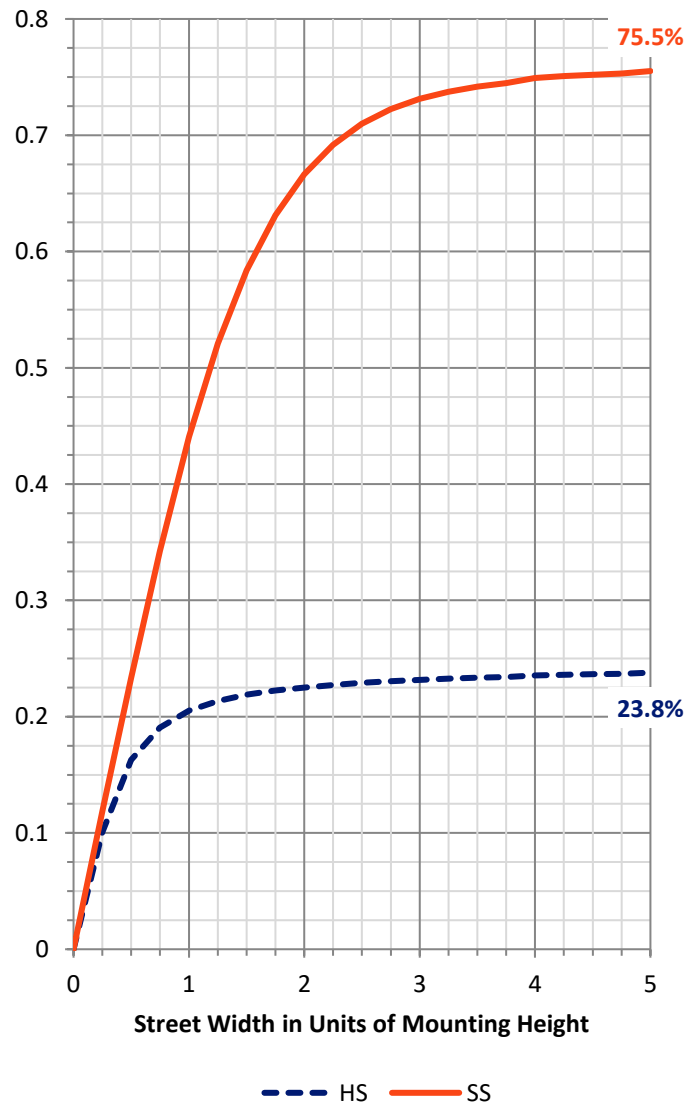
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5060.8	0.0	5060.8
	% Fixture	24.3	0.0	24.3
Street Side	Lumens	15804.4	0.0	15804.4
	% Fixture	75.7	0.0	75.7
Total	Lumens	20865.2	0.0	20865.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.7	1.0
10°-20°	659.8	3.2
20°-30°	1240.9	5.9
30°-40°	2124.4	10.2
40°-50°	3244.7	15.6
50°-60°	4196.0	20.1
60°-70°	4772.9	22.9
70°-80°	3636.8	17.4
80°-90°	788.9	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°	20865.2	100.0
0°-180°	20865.2	100.0

Coefficient of Utilization



REPORT NUMBER: P286957

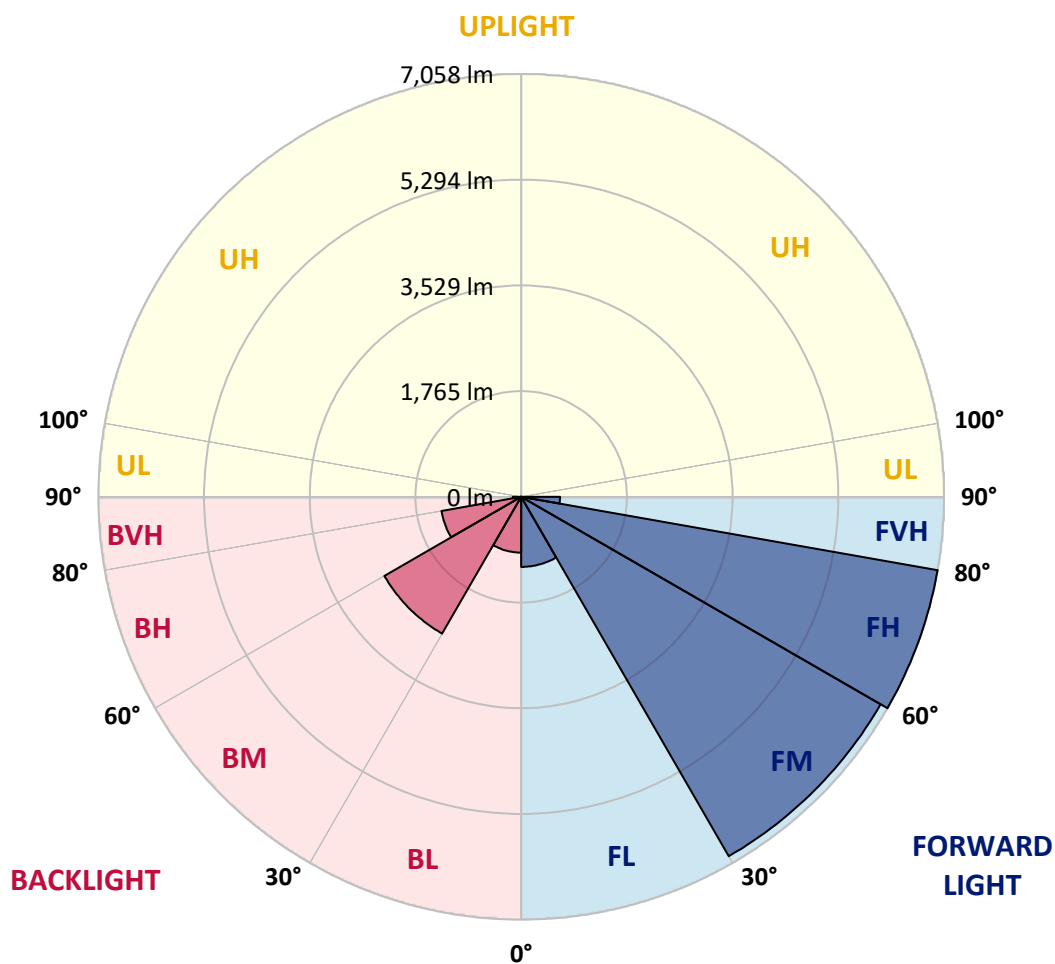
CATALOG NUMBER: USSL-C02-D-U-T3-AP-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1169.7	5.6			
FM	(30°-60°)	6927.8	33.2			
FH	(60°-80°)	7058.4	33.8			G3/7500
FVH	(80°-90°)	648.5	3.1			G4/750
BL	(0°-30°)	931.7	4.5	B2/1000		
BM	(30°-60°)	2637.3	12.6	B3/5000		
BH	(60°-80°)	1351.3	6.5	B3/2500		G3/2500
BVH	(80°-90°)	140.4	0.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Medium





REPORT NUMBER: P286957

CATALOG NUMBER: USSL-C02-D-U-T3-AP-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	2026.7	2026.7	2026.7	2026.7	2026.7	2026.7	2026.7	2026.7	2026.7	2026.7	2026.7
2.5°	2150.1	2135.9	2136.9	2100.2	2101.1	2086.9	2078.8	2066.5	2046.1	2053.2	2019.6
5°	2254.2	2234.8	2240.9	2197.1	2195.1	2175.7	2155.2	2118.5	2109.3	2105.3	2075.7
7.5°	2322.6	2318.4	2315.4	2293.0	2290.9	2268.5	2249.1	2209.3	2194.0	2175.7	2137.9
10°	2388.8	2391.9	2395.0	2356.2	2380.6	2354.1	2332.7	2300.1	2279.7	2273.6	2215.4
12.5°	2422.5	2425.6	2441.9	2430.7	2445.0	2459.2	2437.8	2404.2	2383.7	2383.7	2316.4
15°	2452.1	2460.2	2487.8	2496.9	2522.5	2534.6	2551.0	2529.6	2499.0	2493.8	2437.8
17.5°	2502.0	2498.0	2522.5	2563.3	2592.8	2616.3	2662.2	2656.1	2654.0	2640.7	2599.9
20°	2569.4	2562.2	2586.7	2604.1	2650.0	2720.3	2782.6	2814.1	2812.1	2805.0	2769.3
22.5°	2642.8	2635.7	2636.7	2650.0	2712.2	2818.3	2914.1	2974.3	2975.4	2979.4	3012.0
25°	2768.2	2738.7	2729.5	2740.7	2815.2	2944.7	3068.1	3167.1	3186.5	3209.9	3314.0
27.5°	3072.2	3086.5	2962.1	2881.4	2943.7	3102.9	3247.6	3393.5	3424.1	3494.5	3702.5
30°	3544.5	3521.0	3457.8	3282.3	3140.6	3282.3	3486.3	3666.8	3725.0	3904.6	4092.2
32.5°	3901.5	3902.4	3871.9	3723.0	3527.1	3492.5	3723.0	4021.8	4137.1	4470.7	4639.0
35°	4263.6	4248.3	4274.8	4134.0	3960.6	3837.3	3981.1	4375.8	4639.9	5133.6	5224.5
37.5°	4603.3	4608.3	4614.5	4478.8	4396.1	4353.3	4337.0	4833.8	5213.2	5749.7	5806.9
40°	4855.2	4882.7	4902.1	4827.6	4798.1	4800.1	4729.7	5377.4	5902.7	6431.0	6365.8
42.5°	5056.1	5087.7	5228.5	5128.5	5171.4	5257.1	5244.8	5807.8	6461.7	6953.3	6877.8
45°	5224.5	5225.4	5323.3	5363.1	5516.1	5678.3	5691.6	6266.9	6924.8	7424.5	7279.7
47.5°	5340.7	5320.3	5396.8	5559.0	5840.5	6031.3	6157.7	6786.0	7403.1	7846.9	7690.7
50°	5376.3	5405.0	5532.5	5738.5	6113.8	6414.7	6681.0	7443.9	7869.2	8259.9	8024.3
52.5°	5442.7	5454.9	5633.5	5902.7	6391.3	6792.2	7057.3	8123.3	8442.5	8683.2	8432.2
55°	5498.8	5533.4	5703.9	5989.4	6566.7	7098.2	7456.2	8742.4	9102.4	9149.4	8859.7
57.5°	5297.8	5331.5	5634.4	6013.9	6712.6	7345.0	7893.7	9344.2	9792.0	9712.4	9233.0
60°	4926.5	4965.3	5328.4	5946.6	6736.1	7620.4	8467.0	10143.9	10520.2	10424.3	9653.3
62.5°	4590.0	4592.0	4984.7	5658.0	6624.9	7809.0	9163.6	11178.1	11461.7	11293.3	10119.4
65°	4146.3	4142.2	4497.2	5193.8	6310.8	7750.9	9707.3	12440.9	12816.2	12338.8	10565.1
67.5°	3546.5	3534.2	3893.3	4539.0	5727.3	7452.1	10168.4	13299.7	13493.5	13101.8	10921.1
70°	2804.0	2790.7	3094.7	3735.2	4914.3	6769.7	10459.0	13666.9	13781.1	13372.1	11033.2
72.5°	1966.5	1958.4	2139.9	2646.9	3759.7	5695.7	10396.8	13483.3	13555.7	13089.6	10703.8
75°	1163.8	1160.8	1330.1	1619.7	2222.6	4244.2	9694.1	12810.1	12896.8	12473.5	9895.0
77.5°	448.8	416.1	649.7	788.5	1263.8	1987.9	7415.4	11601.5	11802.3	11404.5	8717.9
80°	146.9	152.0	456.0	556.9	733.3	890.4	3967.7	9415.5	9891.9	9636.9	6603.5
82.5°	107.0	110.1	283.5	376.4	485.5	603.8	1501.5	5118.4	5620.1	5533.4	3241.5
85°	70.4	70.4	96.9	133.7	181.6	241.8	421.3	2597.9	3184.5	3089.6	1404.6
87.5°	37.7	38.8	56.1	80.6	109.2	127.5	134.6	531.4	725.2	631.4	280.4
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: P286957

CATALOG NUMBER: USSL-C02-D-U-T3-AP-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2026.7	2026.7	2026.7	2026.7	2026.7	2026.7	2026.7	2026.7	2026.7	2026.7	2026.7
2.5°	2009.4	2029.8	2014.4	2002.3	1981.8	1970.7	1973.6	1963.5	1954.3	1977.8	1966.5
5°	2065.5	2078.8	2038.9	2015.5	1982.9	1955.3	1953.3	1930.8	1919.6	1928.8	1932.9
7.5°	2113.4	2123.6	2070.6	2028.8	1996.1	1963.5	1941.1	1902.3	1886.9	1903.3	1909.4
10°	2196.0	2183.8	2119.6	2072.6	2024.7	1984.9	1947.1	1910.5	1882.9	1884.0	1886.0
12.5°	2289.9	2256.2	2199.1	2132.8	2080.8	2041.0	1989.0	1926.8	1882.9	1881.9	1889.1
15°	2420.5	2379.7	2329.7	2251.1	2193.0	2135.9	2052.2	1944.1	1874.8	1850.3	1840.1
17.5°	2583.6	2529.6	2512.3	2421.4	2325.6	2216.5	2082.8	1951.3	1828.9	1783.0	1785.0
20°	2779.5	2762.1	2739.7	2590.8	2453.1	2269.5	2097.1	1918.6	1754.3	1673.8	1665.6
22.5°	3054.8	3046.7	2940.7	2736.7	2525.5	2304.1	2084.8	1849.2	1651.3	1551.4	1531.0
25°	3373.1	3306.8	3110.0	2860.0	2582.7	2313.3	2035.9	1748.3	1530.0	1405.5	1399.4
27.5°	3689.3	3572.0	3282.3	2937.6	2587.7	2277.6	1932.9	1610.6	1409.7	1293.4	1278.0
30°	4057.5	3899.5	3456.8	2993.7	2576.5	2187.8	1789.1	1495.3	1330.1	1214.9	1197.5
32.5°	4522.7	4254.4	3629.1	3019.2	2501.0	2067.5	1636.1	1445.3	1272.0	1139.3	1118.9
35°	5079.6	4722.6	3862.7	3018.2	2402.1	1880.9	1558.6	1416.8	1231.2	1068.0	1037.3
37.5°	5613.0	5246.8	4126.9	3005.9	2244.0	1686.1	1504.5	1370.9	1203.6	1053.6	1036.3
40°	6104.7	5677.2	4447.1	2983.5	2058.3	1567.7	1444.3	1299.4	1171.0	1066.9	1047.5
42.5°	6562.7	6083.3	4733.8	2927.3	1854.4	1484.1	1362.7	1251.5	1136.3	1004.7	975.1
45°	6976.8	6426.0	4931.7	2794.7	1631.0	1391.2	1270.9	1187.3	1073.0	938.4	914.9
47.5°	7322.5	6738.1	5071.4	2616.3	1450.5	1293.4	1164.8	1096.5	995.6	872.1	841.5
50°	7625.5	7047.2	5166.3	2312.3	1292.3	1193.3	1059.8	985.3	894.6	806.8	785.4
52.5°	7921.3	7360.3	5276.4	1906.3	1143.4	1077.1	939.4	856.8	788.5	747.7	733.3
55°	8311.9	7759.1	5276.4	1397.4	1006.7	984.3	835.4	726.2	678.3	649.7	656.9
57.5°	8664.9	8003.9	5054.0	1040.4	920.0	888.4	722.1	615.1	564.1	571.2	592.6
60°	9055.5	8237.4	4433.9	860.9	846.6	756.9	616.1	540.5	514.1	488.6	485.5
62.5°	9323.7	8271.1	3637.3	759.9	773.2	668.1	576.3	497.7	468.2	431.5	423.3
65°	9623.7	8090.6	2736.7	713.0	707.9	634.5	568.1	491.7	450.9	390.7	380.5
67.5°	9513.5	7557.1	1943.1	659.9	662.0	638.5	581.4	490.6	441.7	376.4	369.3
70°	9035.1	6693.2	1217.8	635.4	652.8	646.6	604.9	516.1	438.6	341.7	331.5
72.5°	8360.9	5581.4	681.3	589.5	647.7	651.7	633.4	539.6	401.9	279.5	273.3
75°	7255.2	4259.5	487.6	545.7	623.2	650.8	621.2	519.1	368.2	263.2	255.0
77.5°	5672.2	2496.9	429.4	502.8	577.3	581.4	616.1	539.6	382.5	267.2	258.1
80°	3067.1	1033.3	361.1	442.7	474.3	549.8	597.7	503.9	353.9	215.3	201.9
82.5°	1244.4	291.7	210.1	281.5	384.5	453.8	532.4	445.7	324.3	179.5	169.4
85°	318.3	99.9	97.9	143.8	230.5	339.7	432.4	381.5	264.1	79.6	5.1
87.5°	39.7	32.6	38.8	79.6	150.0	243.8	317.2	275.4	187.7	1.1	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)