

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: P286945

Luminaire Tested: **USSL-C02-D-U-T2-BZ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286945
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-4)
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-T2-BZ
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K LEDS AND TYPE II OPTICS, GRAY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21286 lumens
Efficiency: N/A
Efficacy: 139.1 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B3 - U0 - G3

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



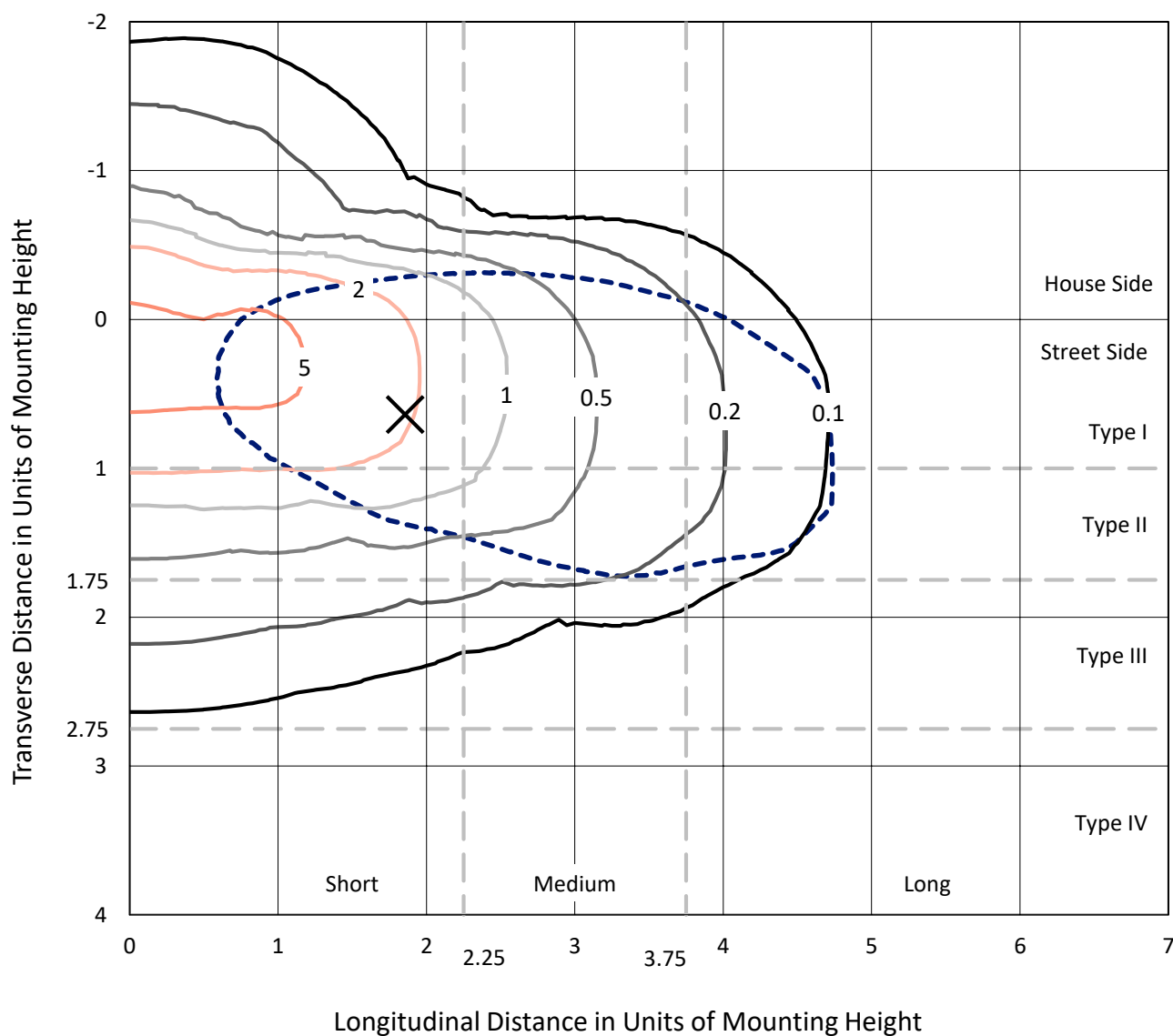
REPORT NUMBER: P286945

CATALOG NUMBER: USSL-C02-D-U-T2-BZ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

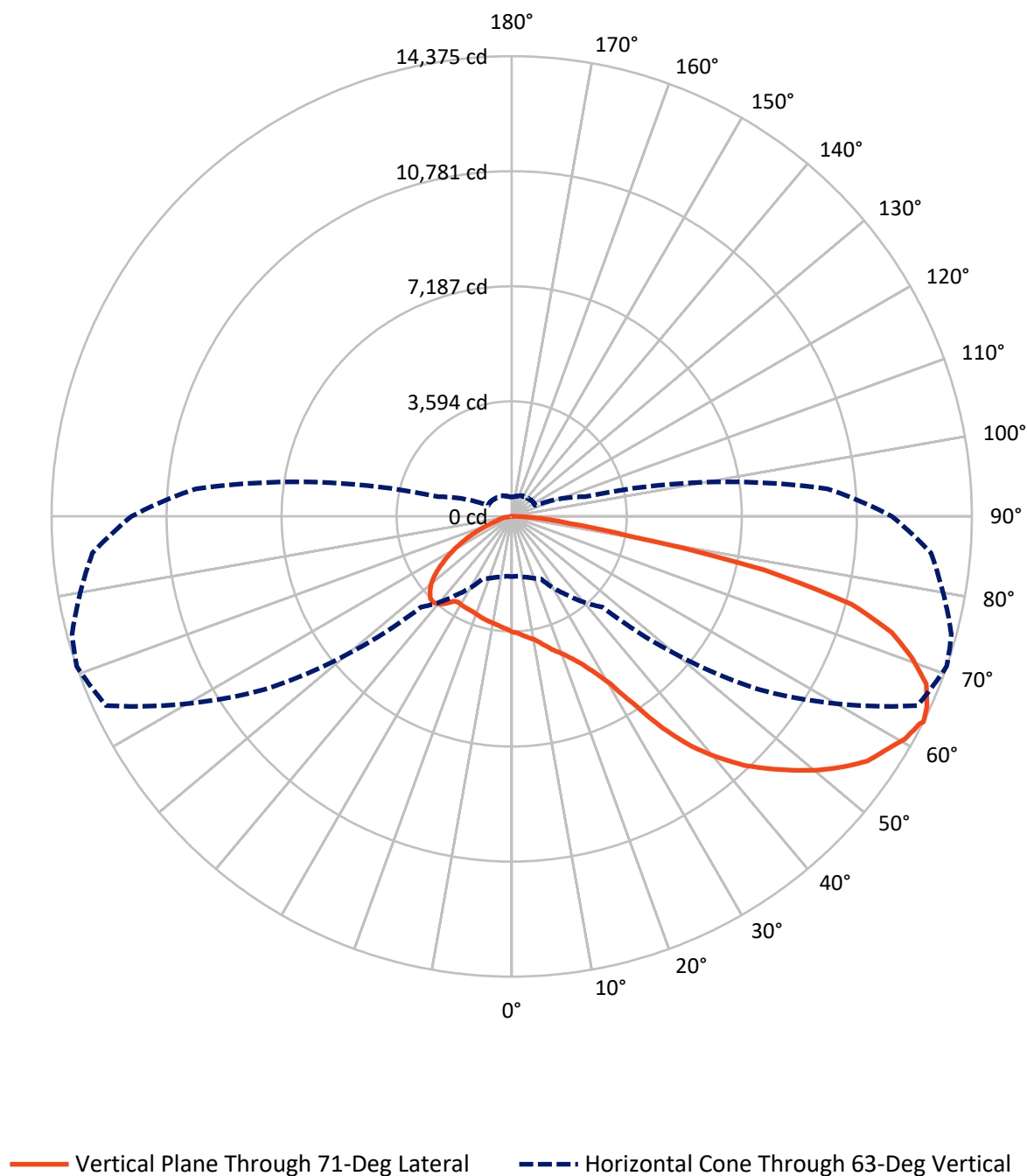


Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P286945

CATALOG NUMBER: USSL-C02-D-U-T2-BZ

Luminous Intensity Polar Plot



REPORT NUMBER: P286945

CATALOG NUMBER: USSL-C02-D-U-T2-BZ

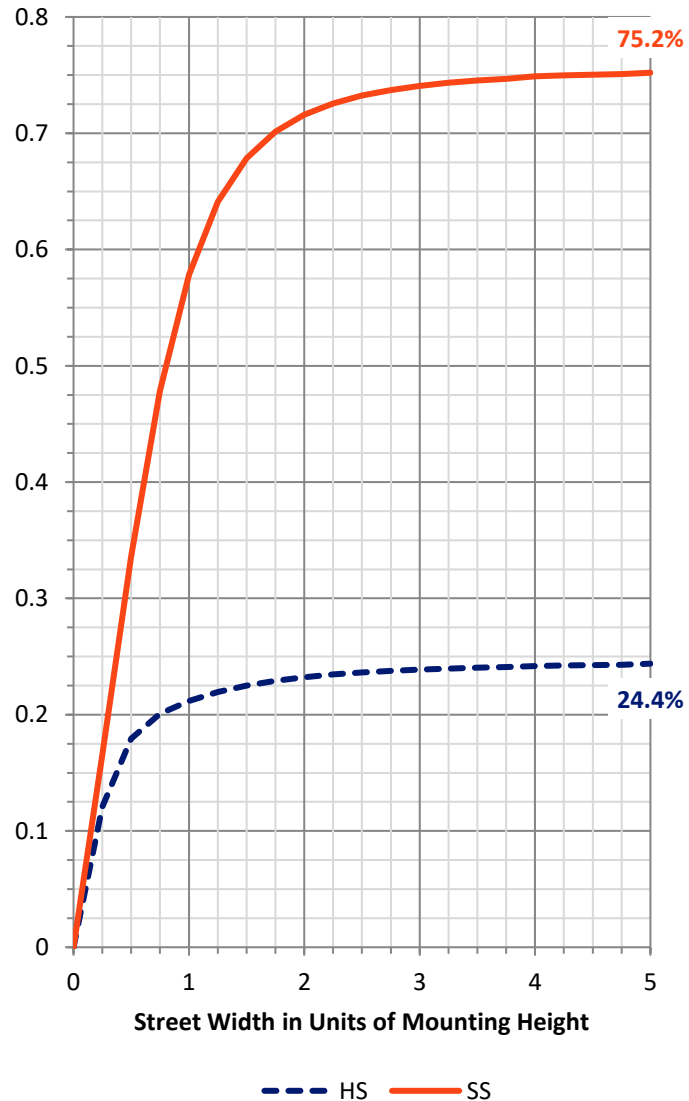
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5279.2	0.0	5279.2
	% Fixture	24.8	0.0	24.8
Street Side	Lumens	16006.8	0.0	16006.8
	% Fixture	75.2	0.0	75.2
Total	Lumens	21286.0	0.0	21286.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.4	1.6
10°-20°	1059.3	5.0
20°-30°	1788.6	8.4
30°-40°	2688.0	12.6
40°-50°	3694.9	17.4
50°-60°	4296.3	20.2
60°-70°	4271.4	20.1
70°-80°	2696.0	12.7
80°-90°	444.2	2.1
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°	21286.0	100.0
0°-180°	21286.0	100.0

Coefficient of Utilization



REPORT NUMBER: P286945

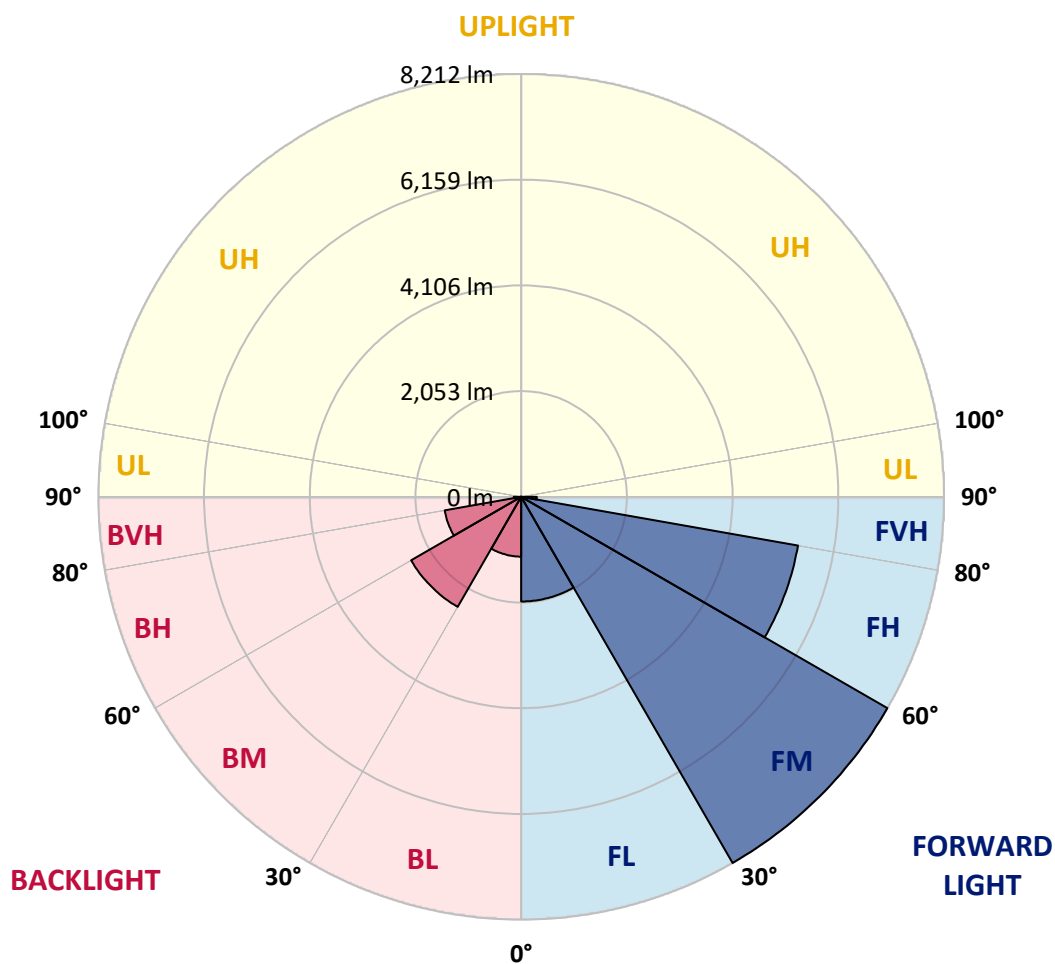
CATALOG NUMBER: USSL-C02-D-U-T2-BZ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2033.4	9.6			
FM	(30°-60°)	8212.1	38.6			
FH	(60°-80°)	5459.1	25.6			G3/7500
FVH	(80°-90°)	302.1	1.4			G3/500
BL	(0°-30°)	1161.9	5.5	B3/2500		
BM	(30°-60°)	2467.0	11.6	B2/2500		
BH	(60°-80°)	1508.2	7.1	B3/2500		G3/2500
BVH	(80°-90°)	142.0	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-G3

Type II Short





REPORT NUMBER: P286945

CATALOG NUMBER: USSL-C02-D-U-T2-BZ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	3613.1	3613.1	3613.1	3613.1	3613.1	3613.1	3613.1	3613.1	3613.1	3613.1	3613.1
2.5°	3868.7	3862.5	3854.1	3801.2	3791.8	3759.6	3725.3	3687.9	3646.4	3651.6	3600.7
5°	4085.8	4072.3	4067.2	3988.2	3930.0	3894.7	3848.0	3762.8	3738.8	3720.1	3621.5
7.5°	4260.4	4266.6	4255.2	4180.4	4122.2	4064.0	3980.9	3855.2	3824.0	3784.6	3686.9
10°	4401.7	4417.2	4408.9	4323.8	4273.8	4216.7	4115.9	3987.1	3915.5	3858.4	3702.4
12.5°	4572.0	4562.7	4564.8	4483.7	4440.0	4362.1	4288.4	4141.9	4059.8	3980.9	3774.2
15°	4785.0	4772.5	4756.9	4679.0	4613.5	4567.9	4488.9	4325.8	4236.4	4161.7	3888.5
17.5°	4974.0	4930.4	4923.1	4837.0	4785.0	4723.7	4669.7	4530.4	4419.3	4322.7	4014.2
20°	5100.8	5078.9	5049.9	5000.0	4978.2	4932.5	4864.9	4712.2	4587.6	4488.9	4121.1
22.5°	5186.0	5173.5	5173.5	5157.9	5168.3	5149.6	5095.6	4951.2	4823.4	4683.2	4285.3
25°	5210.9	5172.4	5227.5	5287.7	5360.6	5392.7	5342.8	5243.1	5115.3	4978.2	4497.3
27.5°	5228.6	5222.3	5290.9	5393.7	5577.6	5651.4	5651.4	5595.3	5513.2	5351.1	4804.7
30°	5230.6	5232.7	5325.1	5484.1	5732.4	5937.0	5947.4	6097.1	6054.5	5929.8	5275.3
32.5°	5082.1	5076.9	5216.1	5493.5	5851.9	6178.1	6347.4	6757.8	6954.1	6962.4	6299.6
35°	4781.8	4820.3	5039.5	5402.1	5936.1	6452.4	6844.0	7680.2	8105.2	8094.8	7300.1
37.5°	4545.0	4576.1	4828.6	5304.4	5991.1	6702.7	7401.8	8704.5	9097.2	9063.0	8096.9
40°	4329.9	4366.4	4617.7	5134.0	5972.4	6987.4	8022.1	9590.7	9888.9	9841.1	8846.9
42.5°	4072.3	4099.4	4348.7	4896.1	5919.4	7182.6	8579.9	10400.0	10623.4	10494.5	9433.9
45°	3816.8	3836.5	4108.7	4584.5	5752.2	7311.5	9136.8	11135.5	11239.4	11136.6	10082.1
47.5°	3492.7	3512.4	3827.2	4312.3	5464.4	7307.3	9657.2	11755.7	11853.4	11716.2	10570.4
50°	2685.5	2705.2	3350.3	4033.9	5063.4	7208.6	10073.8	12330.2	12451.7	12251.3	11121.0
52.5°	2440.3	2449.6	2625.2	3687.9	4551.2	6933.3	10377.2	12844.4	12993.0	12774.9	11598.8
55°	2328.1	2319.8	2391.5	2970.1	4156.5	6495.0	10607.8	13331.6	13483.3	13264.1	12024.8
57.5°	2151.5	2165.0	2286.5	2543.1	3799.1	5695.1	10525.7	13788.8	13774.2	13605.9	12443.4
60°	2024.7	2031.0	2151.5	2334.3	3371.1	4785.0	10178.7	14042.2	14111.8	13887.4	12805.0
62.5°	1892.8	1901.1	2004.0	2170.1	3037.6	4117.0	9621.9	14027.7	14291.6	14153.4	13132.2
63°	1876.1	1874.1	1967.6	2148.3	2986.7	4003.8	9417.2	13982.0	14374.7	14218.9	13147.7
65°	1745.2	1753.6	1853.3	2019.5	2768.6	3693.1	8838.6	13673.5	14258.3	14271.8	13291.1
67.5°	1555.2	1567.6	1652.8	1806.6	2352.0	3239.2	7319.8	13495.8	13963.2	14045.4	13110.3
70°	1330.8	1344.3	1433.6	1576.0	1993.6	2765.4	5440.5	12724.9	13270.4	13416.9	12293.8
72.5°	1054.4	1072.1	1185.3	1328.7	1635.1	2272.0	3829.2	11465.9	12418.5	12448.6	11154.2
75°	687.8	701.2	865.4	1065.8	1322.4	1799.3	2529.7	8778.3	10968.3	11153.1	9560.6
77.5°	406.2	424.9	505.9	587.0	837.3	1355.7	1643.5	4674.9	8079.2	8668.2	7544.2
80°	110.1	121.6	383.4	447.7	535.0	584.9	1011.9	2580.5	3739.9	4748.6	5081.1
82.5°	57.1	70.6	214.0	287.8	306.4	297.1	467.5	1199.9	1828.4	2142.2	2551.4
85°	26.0	31.2	70.6	104.9	85.2	81.1	155.8	626.4	1022.3	1186.3	1283.0
87.5°	9.3	11.4	24.9	38.5	22.9	17.7	21.8	189.1	394.8	498.7	452.9
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: P286945

CATALOG NUMBER: USSL-C02-D-U-T2-BZ

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3613.1	3613.1	3613.1	3613.1	3613.1	3613.1	3613.1	3613.1	3613.1	3613.1	3613.1
2.5°	3564.3	3595.5	3554.0	3506.1	3472.9	3454.2	3438.6	3403.3	3413.7	3427.2	3425.1
5°	3598.6	3602.7	3506.1	3444.9	3372.2	3330.5	3314.9	3254.7	3261.0	3267.2	3266.2
7.5°	3620.4	3581.9	3464.6	3375.3	3298.4	3235.0	3175.8	3115.6	3104.1	3115.6	3124.9
10°	3626.7	3568.5	3435.5	3310.8	3206.9	3116.5	3064.6	2970.1	2953.5	2976.3	2990.8
12.5°	3683.8	3587.1	3414.7	3268.2	3146.7	3027.2	2936.9	2831.9	2782.0	2800.8	2818.4
15°	3754.4	3620.4	3397.1	3214.3	3052.2	2918.1	2799.7	2686.5	2624.1	2649.1	2661.5
17.5°	3839.6	3681.7	3396.0	3126.0	2951.4	2789.3	2669.9	2547.3	2431.9	2472.4	2459.0
20°	3934.1	3734.7	3389.8	3043.8	2827.8	2632.5	2473.5	2392.5	2273.1	2274.0	2256.4
22.5°	4046.4	3807.4	3382.6	2965.9	2677.1	2479.7	2281.3	2187.8	2090.2	2053.8	2042.4
25°	4223.0	3923.7	3395.0	2912.9	2547.3	2280.3	2047.6	1927.1	1885.6	1839.8	1820.1
27.5°	4462.9	4085.8	3422.0	2845.4	2384.1	2069.5	1783.7	1667.3	1638.3	1603.9	1581.2
30°	4815.1	4317.5	3454.2	2768.6	2195.1	1783.7	1520.9	1436.7	1390.0	1372.4	1358.8
32.5°	5709.6	4968.8	3479.1	2667.8	1998.8	1508.4	1318.3	1234.1	1168.8	1137.6	1140.7
35°	6626.9	5758.3	3655.7	2547.3	1757.7	1278.9	1140.7	1036.8	956.8	936.0	921.5
37.5°	7345.7	6407.6	4059.8	2425.7	1527.1	1145.9	966.1	875.8	808.3	803.1	835.2
40°	8024.1	7003.9	4393.3	2285.5	1288.2	994.2	789.5	753.2	723.1	730.3	773.9
42.5°	8587.2	7539.0	4667.6	2084.0	1095.0	822.8	674.2	712.7	722.0	731.3	734.5
45°	9138.8	7960.8	4816.2	1820.1	924.6	684.6	661.8	733.5	749.0	762.5	745.9
47.5°	9708.2	8436.6	4814.1	1495.9	796.8	669.0	687.8	733.5	760.5	777.0	771.8
50°	10163.2	8789.8	4752.8	1177.0	764.6	705.4	701.2	703.3	746.9	758.4	759.4
52.5°	10594.2	9123.2	4500.3	967.2	809.2	746.9	716.8	691.9	710.6	737.6	707.5
55°	11015.0	9413.1	4052.6	910.0	831.1	782.3	749.0	705.4	686.7	680.5	690.8
57.5°	11361.0	9654.1	3526.9	884.1	837.3	785.4	804.0	704.3	683.5	635.7	630.5
60°	11698.5	9882.6	3009.6	847.7	832.1	779.1	750.1	722.0	672.2	600.4	574.5
62.5°	11908.4	9953.3	2468.3	816.5	809.2	771.8	731.3	717.9	660.7	605.6	598.4
63°	11878.3	9903.4	2373.8	811.4	804.0	766.6	732.4	712.7	655.5	611.9	608.8
65°	11951.0	9617.7	1956.2	779.1	782.3	752.1	716.8	681.5	608.8	577.6	572.5
67.5°	11606.1	9096.3	1411.8	719.9	749.0	729.3	685.6	621.2	553.7	513.2	511.1
70°	10701.3	8108.2	970.3	614.0	696.0	697.1	670.1	587.0	513.2	467.5	473.7
72.5°	9422.4	7085.0	625.3	477.9	598.4	641.0	625.3	554.8	458.1	375.0	368.8
75°	8050.2	5778.2	461.3	385.4	441.6	570.3	546.5	451.9	384.4	331.4	327.2
77.5°	6042.0	4178.2	408.3	329.3	328.3	386.4	449.8	444.6	456.1	548.5	536.1
80°	4182.5	2948.3	325.2	267.0	200.5	244.1	379.2	470.6	587.0	340.8	320.0
82.5°	2420.5	1600.9	106.0	84.2	122.6	157.9	278.4	584.9	388.6	203.6	182.8
85°	1139.6	607.7	45.7	26.0	36.4	53.0	156.9	494.4	248.3	101.9	18.7
87.5°	353.2	167.3	10.4	8.3	9.3	11.4	66.5	259.7	170.3	11.4	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)