

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: P286941

Luminaire Tested: **USSL-C02-D-U-T2-AP-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286941
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-AP-7030
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K LEDS AND TYPE II OPTICS, GRAY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20899.1 lumens
Efficiency: N/A
Efficacy: 136.6 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



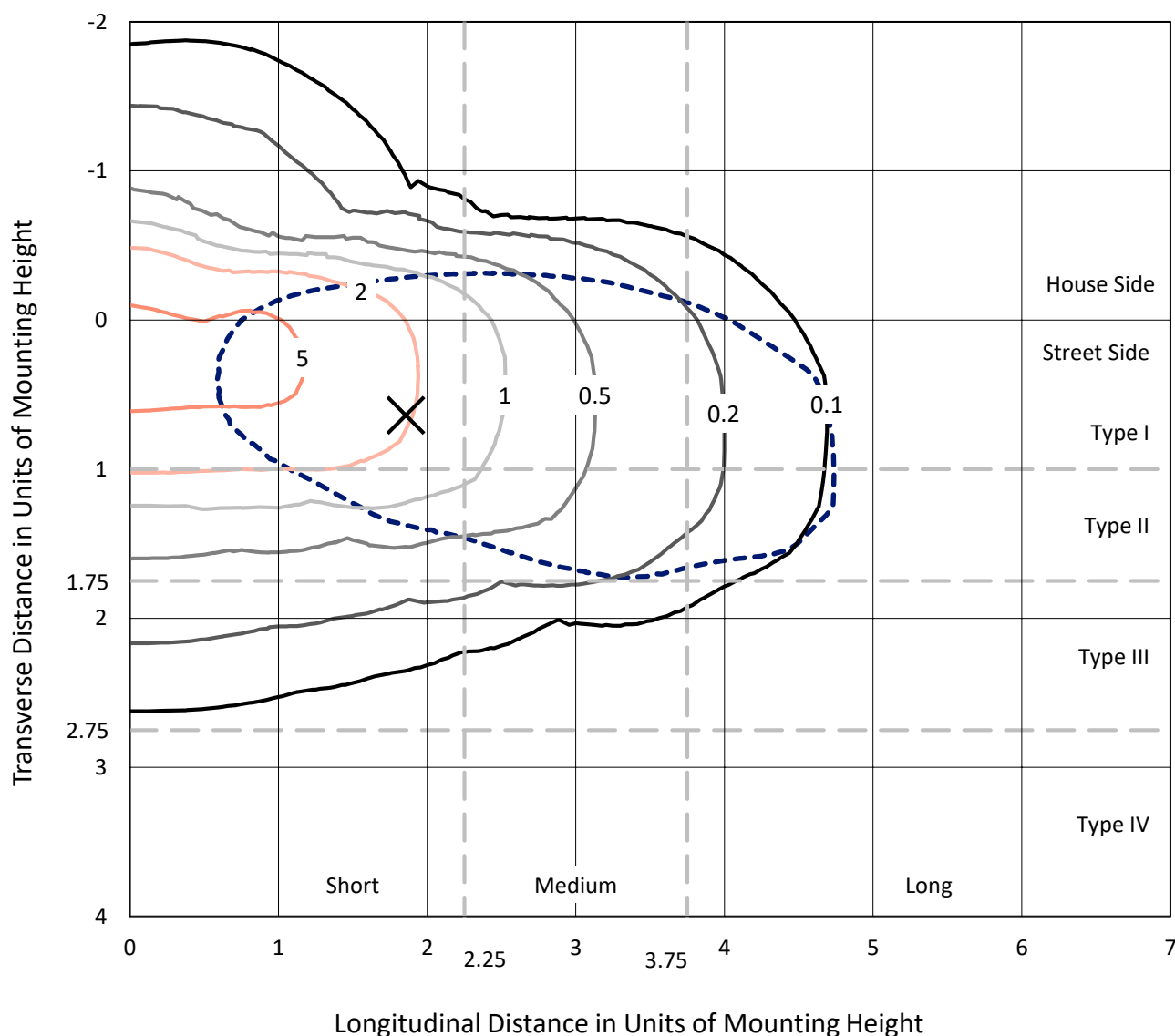
REPORT NUMBER: P286941

CATALOG NUMBER: USSL-C02-D-U-T2-AP-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

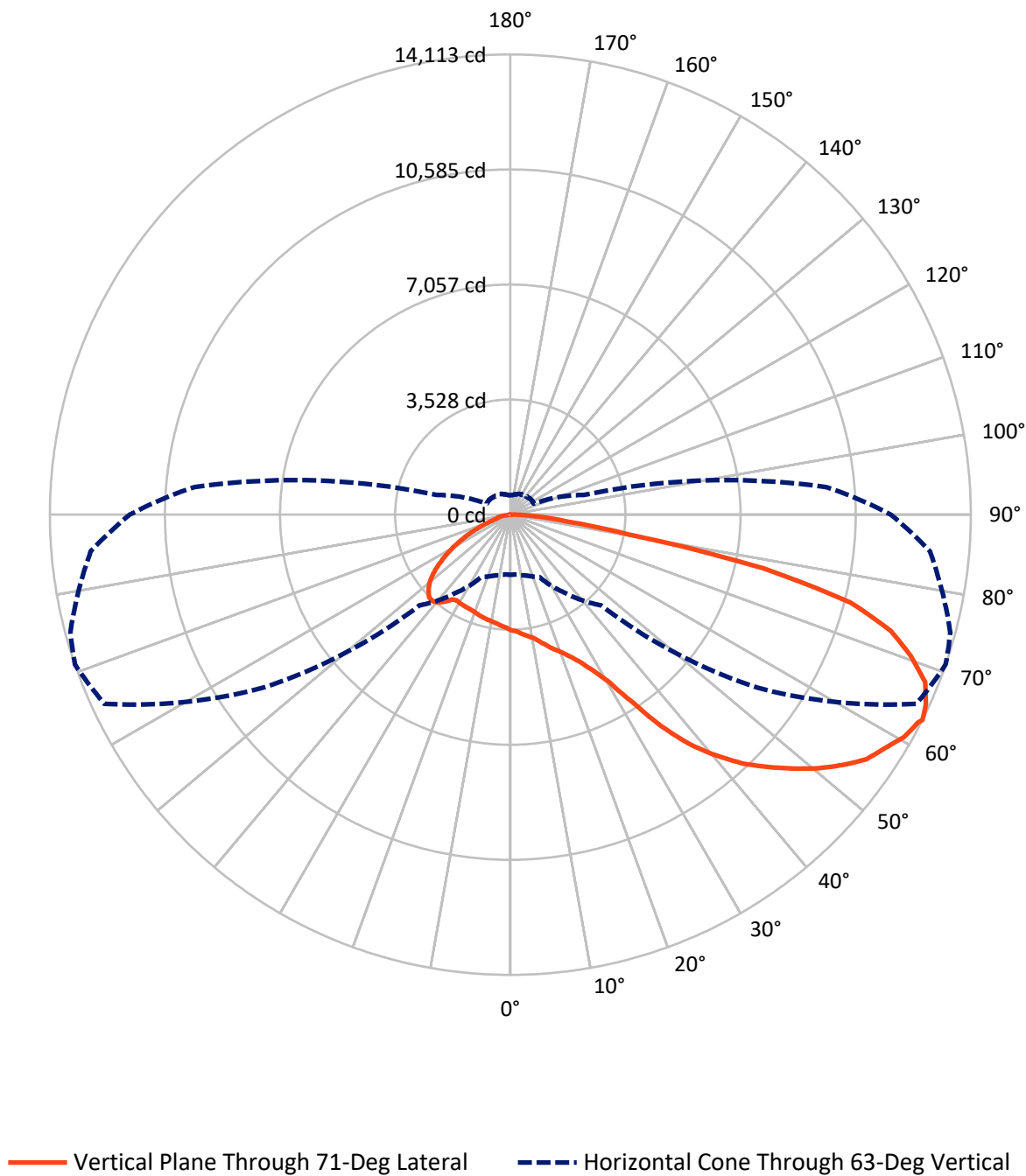


Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
Type II - Short - Non-Cutoff

REPORT NUMBER: P286941

CATALOG NUMBER: USSL-C02-D-U-T2-AP-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P286941

CATALOG NUMBER: USSL-C02-D-U-T2-AP-7030

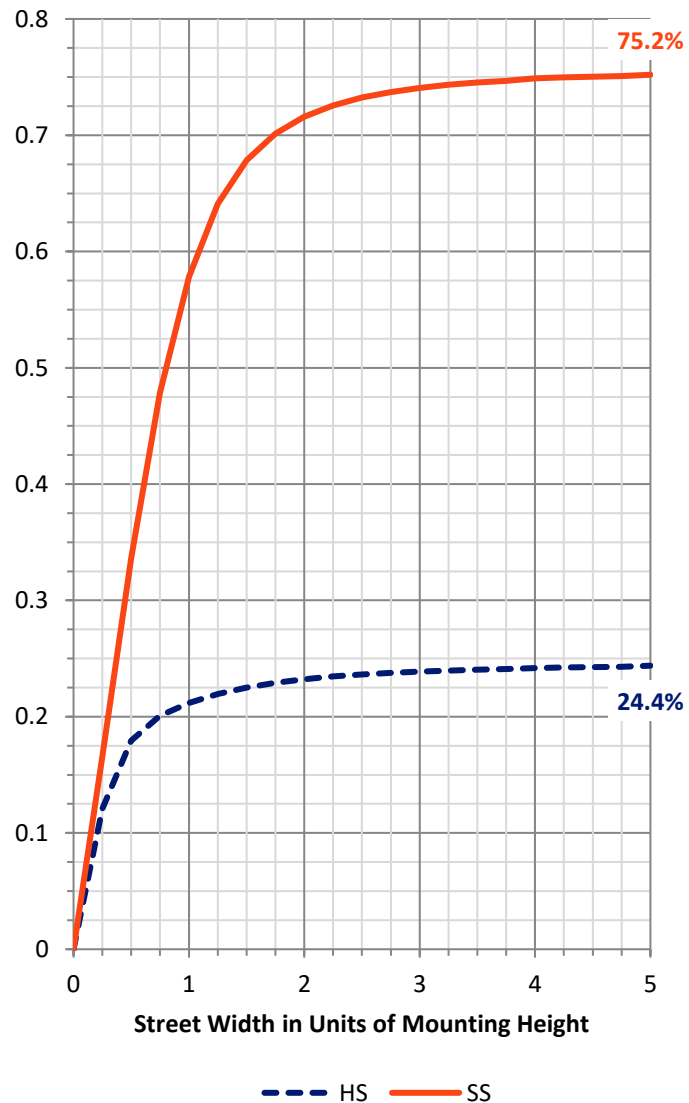
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5183.2	0.0	5183.2
	% Fixture	24.8	0.0	24.8
Street Side	Lumens	15715.9	0.0	15715.9
	% Fixture	75.2	0.0	75.2
Total	Lumens	20899.1	0.0	20899.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.1	1.6
10°-20°	1040.0	5.0
20°-30°	1756.1	8.4
30°-40°	2639.2	12.6
40°-50°	3627.7	17.4
50°-60°	4218.2	20.2
60°-70°	4193.7	20.1
70°-80°	2647.0	12.7
80°-90°	436.1	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°	20899.1	100.0
0°-180°	20899.1	100.0

Coefficient of Utilization



REPORT NUMBER: P286941

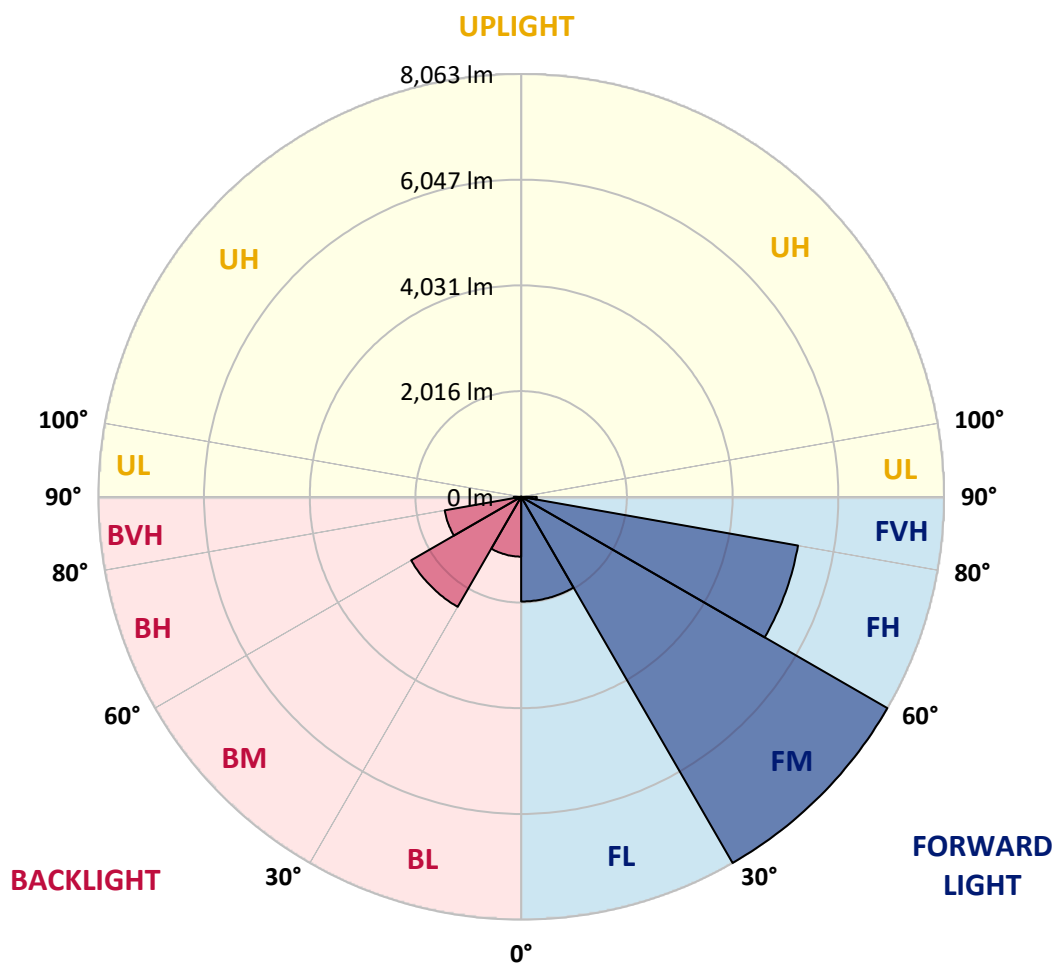
CATALOG NUMBER: USSL-C02-D-U-T2-AP-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1996.4	9.6			
FM	(30°-60°)	8062.9	38.6			
FH	(60°-80°)	5359.9	25.6			G3/7500
FVH	(80°-90°)	296.7	1.4			G3/500
BL	(0°-30°)	1140.8	5.5	B3/2500		
BM	(30°-60°)	2422.2	11.6	B2/2500		
BH	(60°-80°)	1480.8	7.1	B3/2500		G3/2500
BVH	(80°-90°)	139.4	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-G3

Type II Short





REPORT NUMBER: P286941

CATALOG NUMBER: USSL-C02-D-U-T2-AP-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	3547.5	3547.5	3547.5	3547.5	3547.5	3547.5	3547.5	3547.5	3547.5	3547.5	3547.5
2.5°	3798.4	3792.3	3784.2	3732.1	3722.9	3691.3	3657.6	3620.9	3580.1	3585.2	3535.2
5°	4011.6	3998.3	3993.2	3915.7	3858.6	3823.9	3778.0	3694.4	3670.9	3652.5	3555.6
7.5°	4182.9	4189.0	4177.8	4104.4	4047.2	3990.1	3908.6	3785.1	3754.5	3715.8	3619.9
10°	4321.6	4336.9	4328.7	4245.1	4196.1	4140.1	4041.2	3914.6	3844.3	3788.2	3635.2
12.5°	4488.9	4479.8	4481.8	4402.2	4359.4	4282.8	4210.5	4066.6	3986.1	3908.6	3705.6
15°	4698.0	4685.8	4670.4	4593.9	4529.7	4484.9	4407.3	4247.2	4159.5	4086.0	3817.8
17.5°	4883.6	4840.8	4833.7	4749.0	4698.0	4637.8	4584.8	4448.1	4339.0	4244.2	3941.2
20°	5008.1	4986.6	4958.1	4909.1	4887.7	4842.9	4776.5	4626.6	4504.3	4407.3	4046.3
22.5°	5091.8	5079.5	5079.5	5064.2	5074.4	5056.0	5002.9	4861.2	4735.7	4598.1	4207.4
25°	5116.2	5078.5	5132.6	5191.7	5263.0	5294.7	5245.8	5147.8	5022.3	4887.7	4415.4
27.5°	5133.5	5127.4	5194.8	5295.7	5476.3	5548.7	5548.7	5493.6	5413.0	5253.9	4717.4
30°	5135.5	5137.7	5228.4	5384.5	5628.3	5829.1	5839.4	5986.2	5944.4	5822.0	5179.4
32.5°	4989.7	4984.6	5121.3	5393.6	5745.5	6065.8	6232.1	6635.0	6827.8	6835.9	6185.2
35°	4694.9	4732.7	4947.9	5303.8	5828.2	6335.0	6719.6	7540.7	7957.8	7947.7	7167.4
37.5°	4462.4	4493.0	4740.8	5208.0	5882.2	6580.9	7267.3	8546.4	8931.9	8898.3	7949.7
40°	4251.3	4287.0	4533.8	5040.7	5863.8	6860.3	7876.2	9416.5	9709.1	9662.3	8686.1
42.5°	3998.3	4024.9	4269.6	4807.2	5811.9	7052.2	8424.0	10211.0	10430.3	10303.8	9262.4
45°	3747.4	3766.8	4034.0	4501.2	5647.6	7178.6	8970.7	10933.1	11035.1	10934.1	9898.8
47.5°	3429.2	3448.5	3757.6	4233.9	5365.1	7174.5	9481.7	11542.1	11637.9	11503.3	10378.2
50°	2636.6	2656.0	3289.4	3960.5	4971.4	7077.6	9890.7	12106.1	12225.4	12028.6	10918.9
52.5°	2395.9	2405.1	2577.5	3620.9	4468.5	6807.3	10188.5	12611.0	12756.9	12542.6	11388.0
55°	2285.8	2277.6	2348.0	2916.1	4080.9	6376.9	10415.0	13089.3	13238.3	13023.1	11806.2
57.5°	2112.4	2125.6	2245.0	2496.9	3730.0	5591.5	10334.4	13538.1	13523.9	13358.7	12217.3
60°	1987.9	1994.1	2112.4	2291.9	3309.9	4698.0	9993.7	13787.0	13855.3	13635.1	12572.2
62.5°	1858.4	1866.6	1967.5	2130.7	2982.5	4042.1	9447.0	13772.8	14031.8	13896.1	12893.5
63°	1842.1	1840.0	1931.9	2109.3	2932.4	3931.0	9246.0	13727.8	14113.4	13960.4	12908.8
65°	1713.5	1721.7	1819.6	1982.9	2718.2	3626.0	8677.9	13424.9	13999.2	14012.4	13049.6
67.5°	1526.9	1539.2	1622.8	1773.7	2309.2	3180.3	7186.8	13250.6	13709.5	13790.0	12872.1
70°	1306.5	1319.9	1407.5	1547.3	1957.3	2715.1	5341.6	12493.7	13029.1	13173.0	12070.4
72.5°	1035.3	1052.6	1163.8	1304.5	1605.4	2230.7	3759.7	11257.5	12192.8	12222.3	10951.5
75°	675.3	688.5	849.6	1046.5	1298.4	1766.6	2483.7	8618.8	10768.9	10950.5	9386.8
77.5°	398.8	417.2	496.8	576.3	822.1	1331.0	1613.6	4589.9	7932.4	8510.7	7407.1
80°	108.1	119.3	376.4	439.6	525.3	574.3	993.4	2533.6	3671.9	4662.3	4988.7
82.5°	56.1	69.3	210.1	282.6	300.9	291.7	458.9	1178.1	1795.2	2103.2	2505.1
85°	25.5	30.6	69.3	103.0	83.6	79.6	152.9	615.1	1003.6	1164.8	1259.7
87.5°	9.2	11.2	24.5	37.7	22.5	17.4	21.4	185.6	387.6	489.6	444.7
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: P286941

CATALOG NUMBER: USSL-C02-D-U-T2-AP-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3547.5	3547.5	3547.5	3547.5	3547.5	3547.5	3547.5	3547.5	3547.5	3547.5	3547.5
2.5°	3499.6	3530.1	3489.3	3442.4	3409.8	3391.5	3376.1	3341.4	3351.6	3364.9	3362.9
5°	3533.2	3537.3	3442.4	3382.2	3310.8	3270.0	3254.7	3195.6	3201.7	3207.8	3206.8
7.5°	3554.6	3516.9	3401.6	3313.9	3238.4	3176.2	3118.1	3058.9	3047.6	3058.9	3068.1
10°	3560.7	3503.6	3373.0	3250.7	3148.6	3059.9	3009.0	2916.1	2899.8	2922.3	2936.6
12.5°	3616.8	3521.9	3352.7	3208.8	3089.5	2972.2	2883.5	2780.4	2731.5	2749.8	2767.2
15°	3686.2	3554.6	3335.3	3155.9	2996.7	2865.1	2748.9	2637.7	2576.5	2600.9	2613.2
17.5°	3769.9	3614.8	3334.3	3069.2	2897.8	2738.7	2621.3	2500.9	2387.7	2427.6	2414.2
20°	3862.7	3666.8	3328.2	2988.5	2776.4	2584.7	2428.5	2349.1	2231.7	2232.7	2215.4
22.5°	3972.8	3738.2	3321.1	2912.1	2628.4	2434.7	2239.9	2148.1	2052.2	2016.5	2005.2
25°	4146.2	3852.4	3333.3	2860.0	2500.9	2238.8	2010.4	1892.0	1851.2	1806.4	1787.0
27.5°	4381.8	4011.6	3359.8	2793.7	2340.9	2031.8	1751.3	1637.0	1608.5	1574.8	1552.4
30°	4727.6	4239.1	3391.5	2718.2	2155.2	1751.3	1493.3	1410.6	1364.7	1347.3	1334.1
32.5°	5605.8	4878.5	3416.0	2619.3	1962.4	1481.0	1294.3	1211.8	1147.4	1116.9	1119.9
35°	6506.4	5653.7	3589.2	2500.9	1725.8	1255.6	1119.9	1017.9	939.4	919.0	904.7
37.5°	7212.3	6291.2	3986.1	2381.6	1499.3	1125.1	948.6	859.8	793.5	788.5	820.0
40°	7878.3	6876.6	4313.5	2243.9	1264.8	976.2	775.2	739.5	709.9	717.0	759.8
42.5°	8431.1	7401.9	4582.8	2046.0	1075.1	807.9	662.0	699.7	708.9	718.1	721.2
45°	8972.7	7816.1	4728.6	1787.0	907.8	672.2	649.7	720.1	735.4	748.7	732.4
47.5°	9531.7	8283.2	4726.5	1468.8	782.3	656.8	675.3	720.1	746.6	762.9	757.8
50°	9978.4	8630.0	4666.4	1155.6	750.7	692.5	688.5	690.5	733.3	744.6	745.6
52.5°	10401.8	8957.4	4418.5	949.6	794.6	733.3	703.8	679.3	697.6	724.2	694.6
55°	10814.8	9242.0	3979.0	893.5	816.0	768.0	735.4	692.5	674.2	668.1	678.3
57.5°	11154.5	9478.7	3462.8	868.0	822.1	771.1	789.4	691.6	671.1	624.2	619.1
60°	11485.9	9703.1	2954.9	832.3	817.0	764.9	736.4	708.9	659.9	589.5	564.1
62.5°	11692.0	9772.4	2423.5	801.7	794.6	757.8	718.1	704.8	648.7	594.6	587.5
63°	11662.4	9723.4	2330.6	796.6	789.4	752.7	719.0	699.7	643.6	600.8	597.7
65°	11733.8	9443.0	1920.6	764.9	768.0	738.4	703.8	669.1	597.7	567.2	562.0
67.5°	11395.2	8930.9	1386.1	706.8	735.4	716.1	673.1	610.0	543.6	503.9	501.9
70°	10506.8	7960.9	952.6	602.8	683.4	684.4	657.9	576.3	503.9	458.9	465.1
72.5°	9251.2	6956.2	614.0	469.2	587.5	629.4	614.0	544.7	449.8	368.2	362.1
75°	7903.8	5673.1	452.9	378.4	433.5	559.9	536.5	443.7	377.4	325.4	321.3
77.5°	5932.2	4102.3	400.9	323.4	322.3	379.4	441.7	436.6	447.8	538.5	526.3
80°	4106.5	2894.7	319.2	262.1	196.8	239.6	372.3	462.0	576.3	334.5	314.2
82.5°	2376.5	1571.8	104.1	82.6	120.4	155.1	273.3	574.3	381.5	199.9	179.5
85°	1118.9	596.7	44.8	25.5	35.7	52.0	154.0	485.5	243.8	99.9	18.3
87.5°	346.8	164.2	10.2	8.2	9.2	11.2	65.3	255.0	167.3	11.2	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)