

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: P287009

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P287009
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-5)
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-HSS
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K LEDS AND TYPE II OPTICS WITH HOUSE SIDE SHIELD, GRAY
PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19577.4 lumens
Efficiency: N/A
Efficacy: 128.0 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



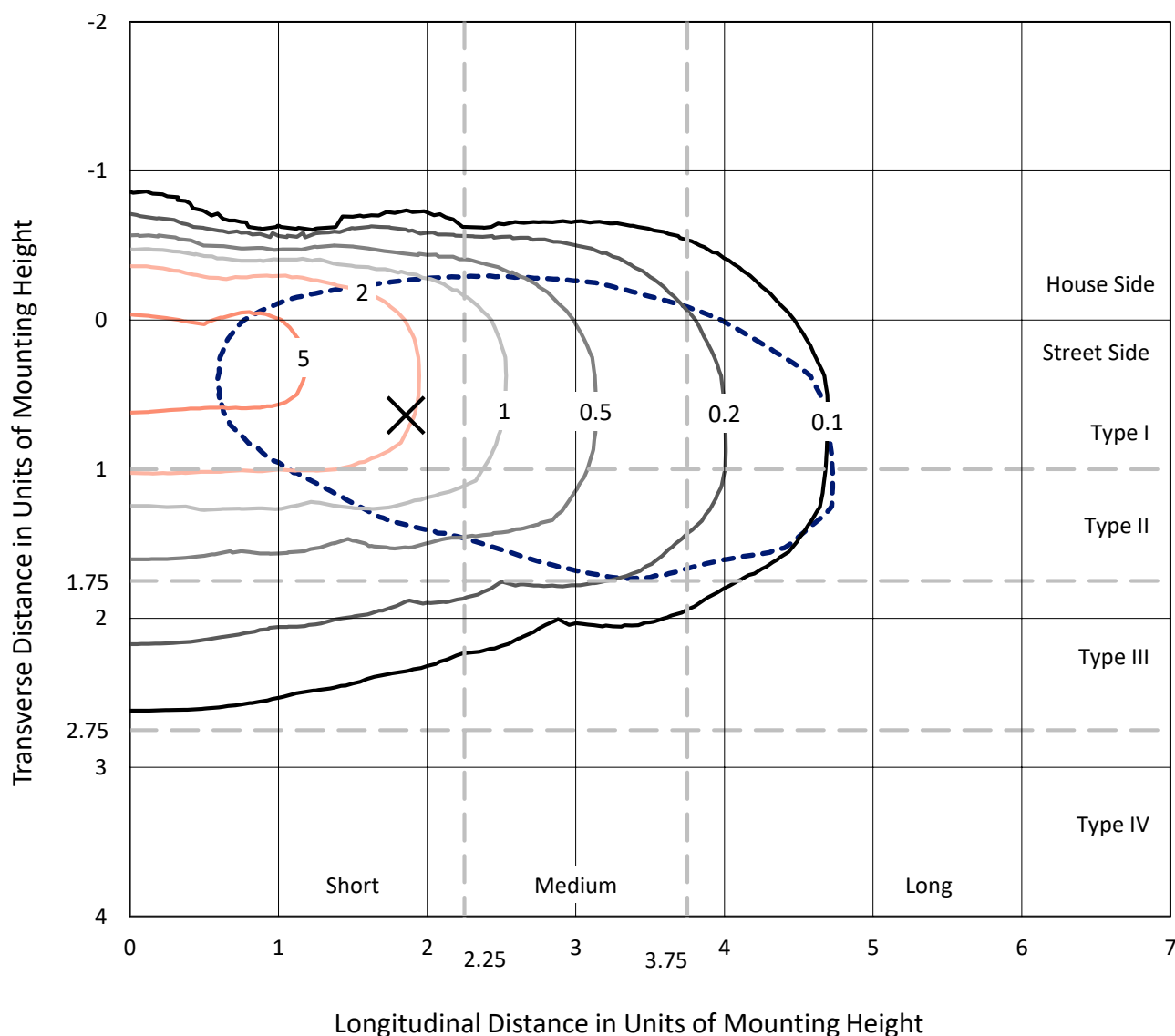
REPORT NUMBER: P287009

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

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

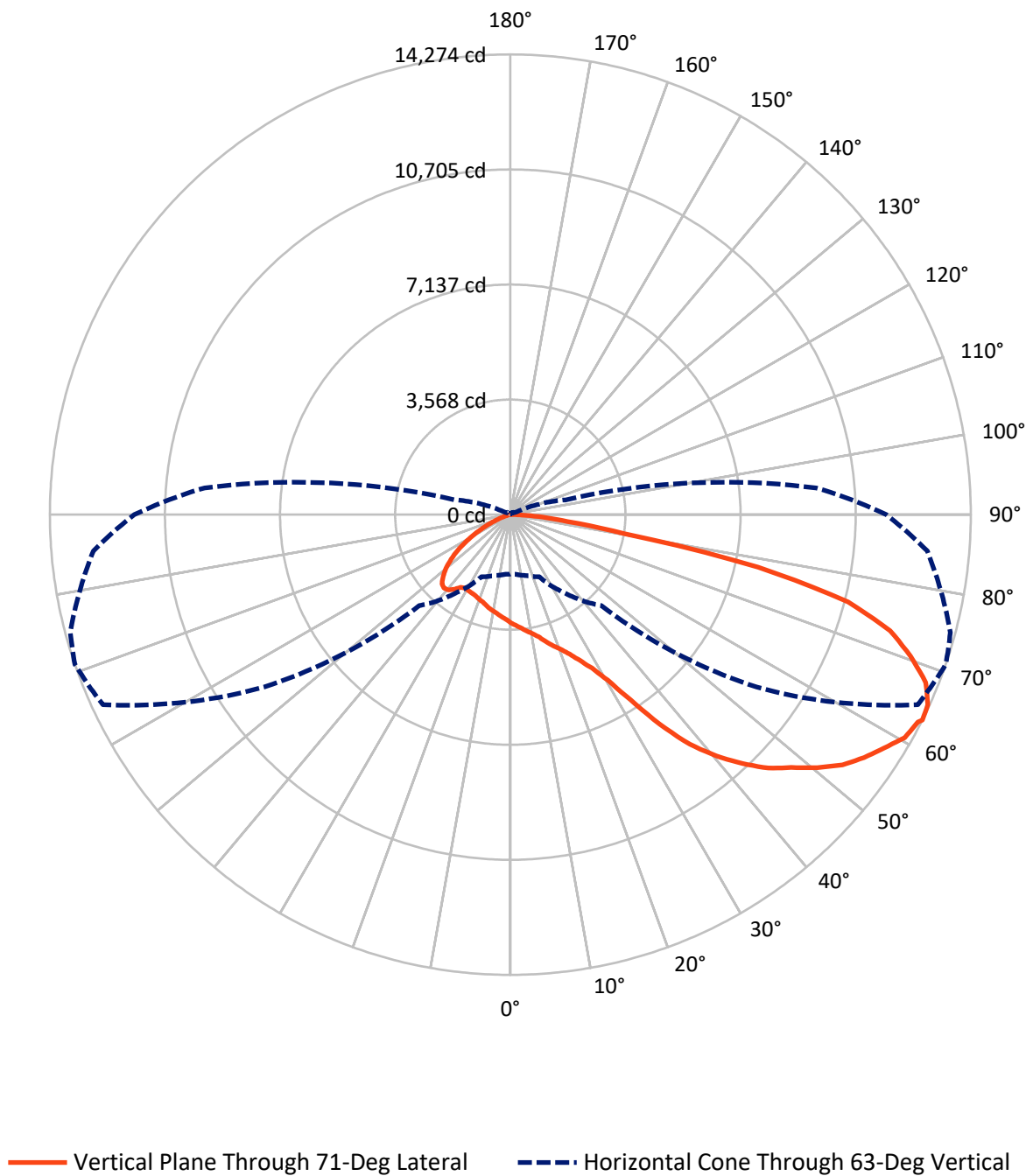


Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
Type II - Short - Non-Cutoff

REPORT NUMBER: P287009

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

Luminous Intensity Polar Plot



REPORT NUMBER: P287009

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

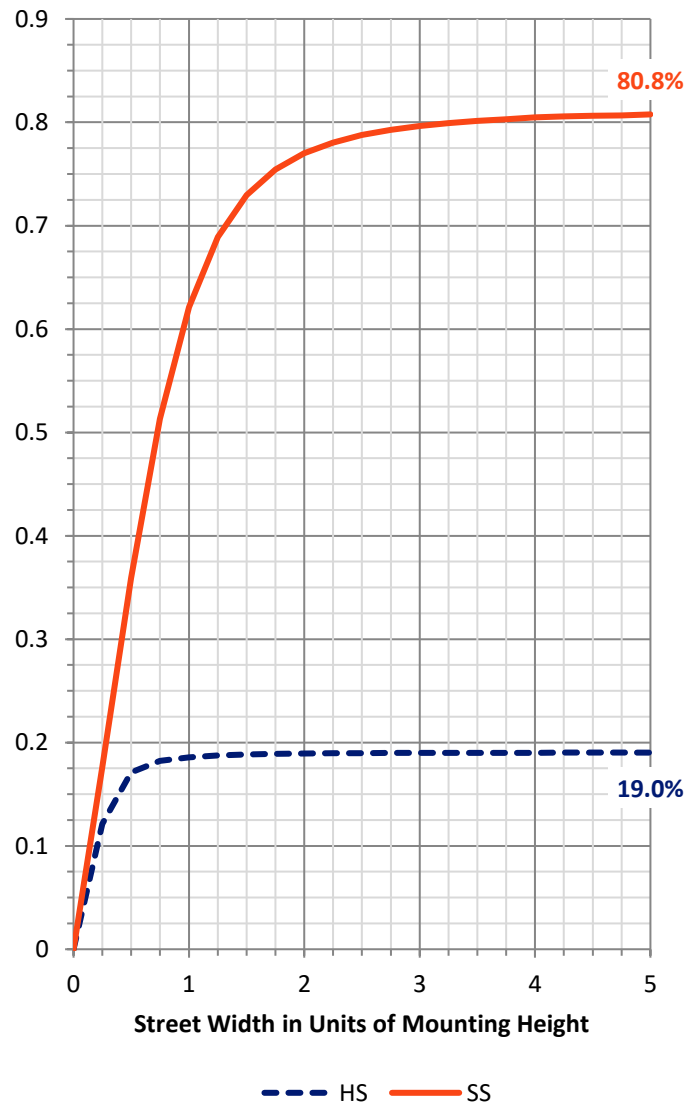
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3767.9	0.0	3767.9
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	15809.5	0.0	15809.5
	% Fixture	80.8	0.0	80.8
Total	Lumens	19577.4	0.0	19577.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.4	1.6
10°-20°	962.5	4.9
20°-30°	1618.6	8.3
30°-40°	2473.7	12.6
40°-50°	3446.0	17.6
50°-60°	3991.0	20.4
60°-70°	3952.4	20.2
70°-80°	2450.1	12.5
80°-90°	362.8	1.9
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°	19577.4	100.0
0°-180°	19577.4	100.0

Coefficient of Utilization



REPORT NUMBER: P287009

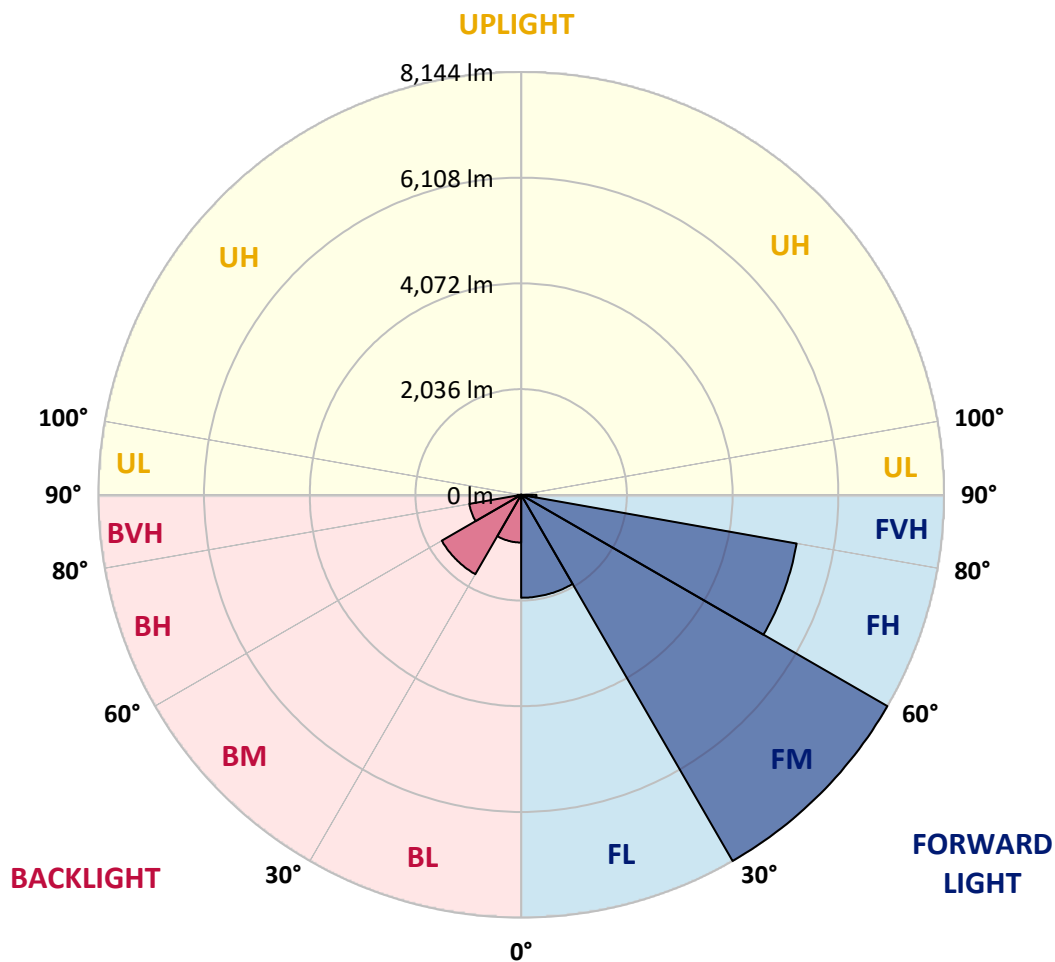
CATALOG NUMBER: USSL-C02-D-U-T2-AP-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1982.5	10.1			
FM	(30°-60°)	8144.4	41.6			
FH	(60°-80°)	5388.7	27.5			G3/7500
FVH	(80°-90°)	293.9	1.5			G3/500
BL	(0°-30°)	918.9	4.7	B2/1000		
BM	(30°-60°)	1766.2	9.0	B2/2500		
BH	(60°-80°)	1013.9	5.2	B3/2500		G3/2500
BVH	(80°-90°)	68.9	0.4			G1/100
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: P287009

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	3364.9	3364.9	3364.9	3364.9	3364.9	3364.9	3364.9	3364.9	3364.9	3364.9	3364.9
2.5°	3705.6	3670.2	3669.3	3624.5	3591.4	3572.6	3521.7	3477.0	3438.6	3434.5	3365.9
5°	3907.1	3898.8	3887.4	3817.8	3786.6	3745.1	3689.0	3602.7	3533.2	3515.5	3406.4
7.5°	4134.7	4128.4	4105.5	4043.2	3964.2	3915.5	3806.3	3720.1	3646.4	3609.0	3461.4
10°	4265.6	4264.5	4262.4	4210.5	4149.2	4077.5	3961.2	3834.4	3749.2	3709.8	3496.8
12.5°	4473.3	4445.2	4435.9	4372.5	4294.6	4242.7	4135.7	3999.6	3884.3	3814.7	3576.7
15°	4640.6	4641.6	4623.9	4566.8	4508.6	4425.5	4335.1	4199.0	4072.3	4019.4	3713.9
17.5°	4848.3	4829.6	4808.9	4748.6	4687.3	4600.1	4543.9	4378.8	4274.9	4158.5	3834.4
20°	4980.3	4948.0	4925.2	4886.8	4861.9	4792.2	4741.4	4594.9	4452.5	4352.8	3969.4
22.5°	5071.7	5104.9	5095.6	5033.3	5042.6	5021.8	4957.4	4858.7	4698.7	4534.6	4125.2
25°	5127.8	5120.5	5174.5	5215.0	5285.7	5281.5	5233.8	5147.5	5005.2	4828.6	4358.0
27.5°	5144.4	5144.4	5231.7	5345.9	5512.1	5548.5	5554.7	5549.5	5391.6	5231.7	4663.5
30°	5169.3	5197.4	5281.5	5423.8	5664.8	5809.3	5877.9	5993.1	5953.7	5814.5	5162.0
32.5°	5070.7	5073.7	5196.4	5470.6	5821.7	6122.0	6257.0	6665.3	6838.8	6903.2	6172.9
35°	4752.8	4784.9	5008.3	5386.4	5894.4	6391.0	6757.7	7601.3	7983.6	7991.9	7140.0
37.5°	4532.6	4563.7	4803.7	5264.9	5951.6	6662.2	7330.2	8652.6	9039.0	8943.5	7974.3
40°	4291.5	4343.5	4598.0	5100.8	5943.3	6928.1	7942.0	9583.4	9841.1	9715.4	8656.7
42.5°	4056.8	4065.0	4315.4	4873.3	5900.7	7144.1	8540.5	10271.2	10555.8	10393.7	9325.7
45°	3772.1	3809.5	4056.8	4570.9	5759.4	7277.2	9067.1	11025.4	11214.4	11033.7	9884.7
47.5°	3443.8	3491.6	3809.5	4291.5	5445.7	7296.9	9540.8	11703.7	11722.4	11579.1	10472.7
50°	2659.5	2689.6	3343.0	4016.2	5070.7	7217.9	9992.7	12211.7	12333.3	12146.2	10974.4
52.5°	2408.1	2433.0	2615.8	3657.8	4568.9	6954.1	10308.6	12795.5	12894.2	12730.1	11464.8
55°	2308.4	2319.8	2384.1	2964.9	4148.1	6485.5	10508.0	13231.9	13302.5	13098.9	11871.0
57.5°	2133.8	2144.2	2281.3	2528.6	3795.0	5710.5	10483.0	13662.0	13656.8	13429.3	12291.8
60°	2001.8	2023.7	2140.0	2325.0	3369.0	4777.7	10141.3	13991.3	14042.2	13833.4	12598.2
62.5°	1877.2	1885.6	1984.2	2162.9	3023.0	4097.3	9498.2	13961.1	14176.2	14021.4	12983.6
63°	1841.9	1857.5	1955.1	2128.6	2973.2	3990.2	9324.8	13937.3	14273.9	14122.2	12974.2
65°	1732.8	1734.8	1830.4	1994.6	2735.3	3656.8	8748.2	13621.4	14222.9	14131.5	13135.2
67.5°	1525.1	1540.7	1625.8	1785.8	2338.5	3232.9	7258.5	13411.6	13892.6	13940.3	12872.5
70°	1294.5	1303.8	1408.7	1565.6	1965.5	2742.6	5429.0	12680.2	13161.2	13220.5	12181.6
72.5°	1015.0	1020.2	1134.4	1317.2	1608.2	2264.7	3746.1	11405.6	12308.3	12308.3	11000.4
75°	318.9	377.1	794.7	1061.7	1299.6	1752.5	2461.1	8849.0	10818.6	11087.7	9418.3
77.5°	103.9	112.2	251.4	559.9	818.7	1345.3	1634.2	4703.9	7858.9	8598.5	7428.8
80°	74.8	87.2	155.8	419.7	515.3	572.5	1012.8	2563.9	3571.5	4681.0	4961.6
82.5°	38.5	49.8	110.1	267.0	293.0	288.8	449.8	1212.3	1783.7	2154.6	2574.3
85°	17.7	21.8	47.8	93.5	81.1	75.9	159.0	634.8	1005.6	1188.5	1284.1
87.5°	4.1	6.3	17.7	33.3	20.8	16.6	18.7	201.5	366.7	457.1	472.7
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: P287009

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3364.9	3364.9	3364.9	3364.9	3364.9	3364.9	3364.9	3364.9	3364.9	3364.9	3364.9
2.5°	3336.8	3353.4	3274.5	3236.0	3170.6	3149.8	3117.6	3079.1	3066.7	3097.9	3077.1
5°	3365.9	3343.0	3228.8	3124.9	3037.6	2969.0	2917.1	2851.7	2812.1	2821.6	2827.7
7.5°	3377.3	3326.4	3164.3	3036.6	2889.1	2800.8	2706.2	2613.7	2574.3	2580.5	2584.7
10°	3388.7	3311.9	3120.8	2932.6	2757.1	2621.0	2513.0	2390.4	2331.1	2333.3	2353.0
12.5°	3456.2	3306.7	3084.3	2856.9	2629.3	2460.0	2328.1	2192.0	2107.8	2114.1	2129.7
15°	3551.8	3351.3	3037.6	2744.6	2505.7	2313.5	2149.4	1998.8	1934.3	1943.6	1958.3
17.5°	3633.9	3401.2	3001.2	2626.2	2356.2	2149.4	2000.9	1872.0	1754.7	1772.3	1761.9
20°	3717.1	3471.8	2989.9	2526.5	2227.3	1989.4	1821.1	1717.2	1571.8	1532.3	1519.8
22.5°	3850.0	3550.8	2979.5	2435.1	2074.5	1849.2	1639.3	1486.6	1277.8	1206.1	1178.1
25°	4024.5	3664.1	2963.8	2353.0	1947.9	1682.0	1397.3	1123.0	968.2	876.7	834.2
27.5°	4260.4	3826.1	2986.7	2280.3	1820.1	1483.4	1060.6	815.5	677.4	598.4	553.7
30°	4655.1	4038.0	2991.9	2214.9	1664.3	1183.3	755.3	567.3	449.8	395.8	368.8
32.5°	5522.5	4681.0	3038.6	2140.0	1497.0	870.6	525.7	380.2	286.7	252.5	268.0
35°	6434.7	5470.6	3206.9	2034.1	1235.2	589.0	347.0	246.2	183.9	189.1	194.3
37.5°	7126.6	6083.5	3560.2	1904.2	928.7	403.1	208.8	168.3	162.1	176.6	203.6
40°	7807.0	6693.4	3874.9	1747.4	629.6	242.1	141.3	154.7	145.4	151.7	153.8
42.5°	8403.3	7179.6	4100.3	1515.7	389.6	142.3	123.6	143.4	133.0	129.8	114.3
45°	8979.9	7600.2	4239.6	1195.7	223.3	113.2	113.2	137.2	128.8	121.6	103.9
47.5°	9489.9	8070.8	4205.3	825.9	136.1	101.9	106.0	123.6	120.5	111.2	101.9
50°	9959.5	8411.6	4115.9	468.5	119.5	96.7	102.8	102.8	108.0	84.2	76.8
52.5°	10368.8	8713.9	3828.1	250.3	111.2	92.4	92.4	82.0	87.2	64.4	61.3
55°	10789.6	9030.8	3423.1	196.3	106.0	92.4	82.0	71.6	65.4	46.7	49.8
57.5°	11135.5	9264.5	2898.4	176.6	109.1	88.3	74.8	62.3	51.9	36.4	35.3
60°	11455.4	9457.7	2389.3	156.9	117.4	89.3	62.3	51.9	36.4	29.0	26.0
62.5°	11648.6	9501.4	1853.3	142.3	117.4	82.0	56.1	43.7	28.1	19.7	18.7
63°	11654.9	9514.8	1769.2	141.3	119.5	82.0	56.1	42.6	26.0	18.7	17.7
65°	11746.3	9233.3	1396.2	138.2	121.6	77.9	53.0	34.2	21.8	14.5	13.5
67.5°	11397.3	8691.1	918.3	136.1	121.6	75.9	46.7	29.0	18.7	11.4	9.3
70°	10474.8	7763.3	562.1	130.9	123.6	74.8	58.2	24.9	16.6	8.3	7.3
72.5°	9203.2	6857.4	323.1	116.4	121.6	61.3	33.3	21.8	14.5	6.3	5.2
75°	7790.4	5512.1	203.6	90.4	94.5	50.9	28.1	19.7	12.5	3.1	3.1
77.5°	5919.4	3966.4	174.6	69.6	56.1	44.6	23.8	15.6	8.3	1.1	1.1
80°	4180.4	2802.8	125.7	43.7	31.2	28.1	17.7	10.4	3.1	0.0	0.0
82.5°	2353.0	1531.2	68.6	15.6	9.3	10.4	8.3	4.1	0.0	0.0	0.0
85°	1109.5	598.4	34.2	10.4	5.2	4.1	1.1	0.0	0.0	0.0	0.0
87.5°	412.4	144.4	8.3	4.1	3.1	1.1	0.0	0.0	0.0	0.0	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)