

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: P287025

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P287025
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-7)
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-HSS
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD, GRAY
PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19304 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B2 - 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

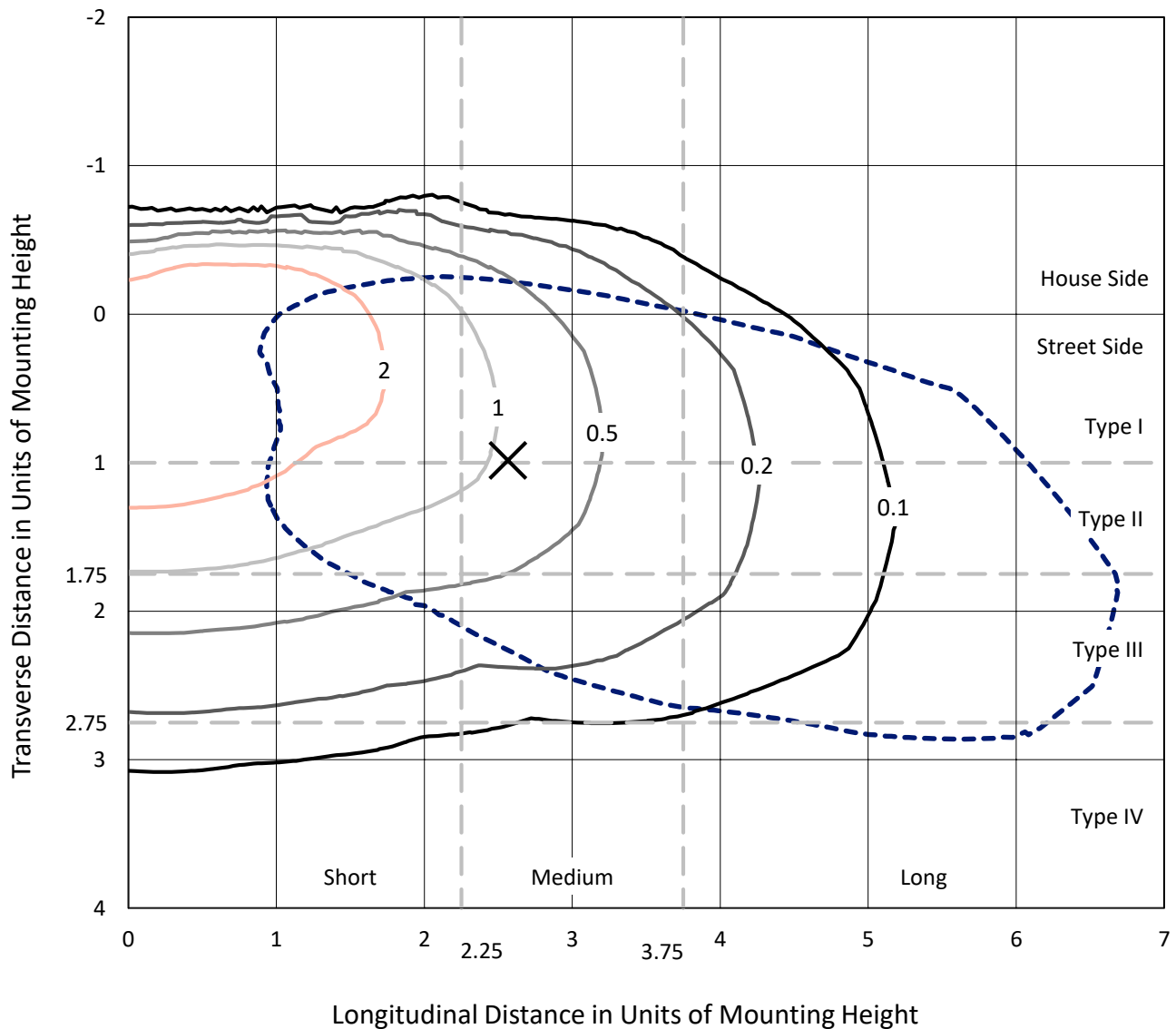


REPORT NUMBER: P287025

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

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

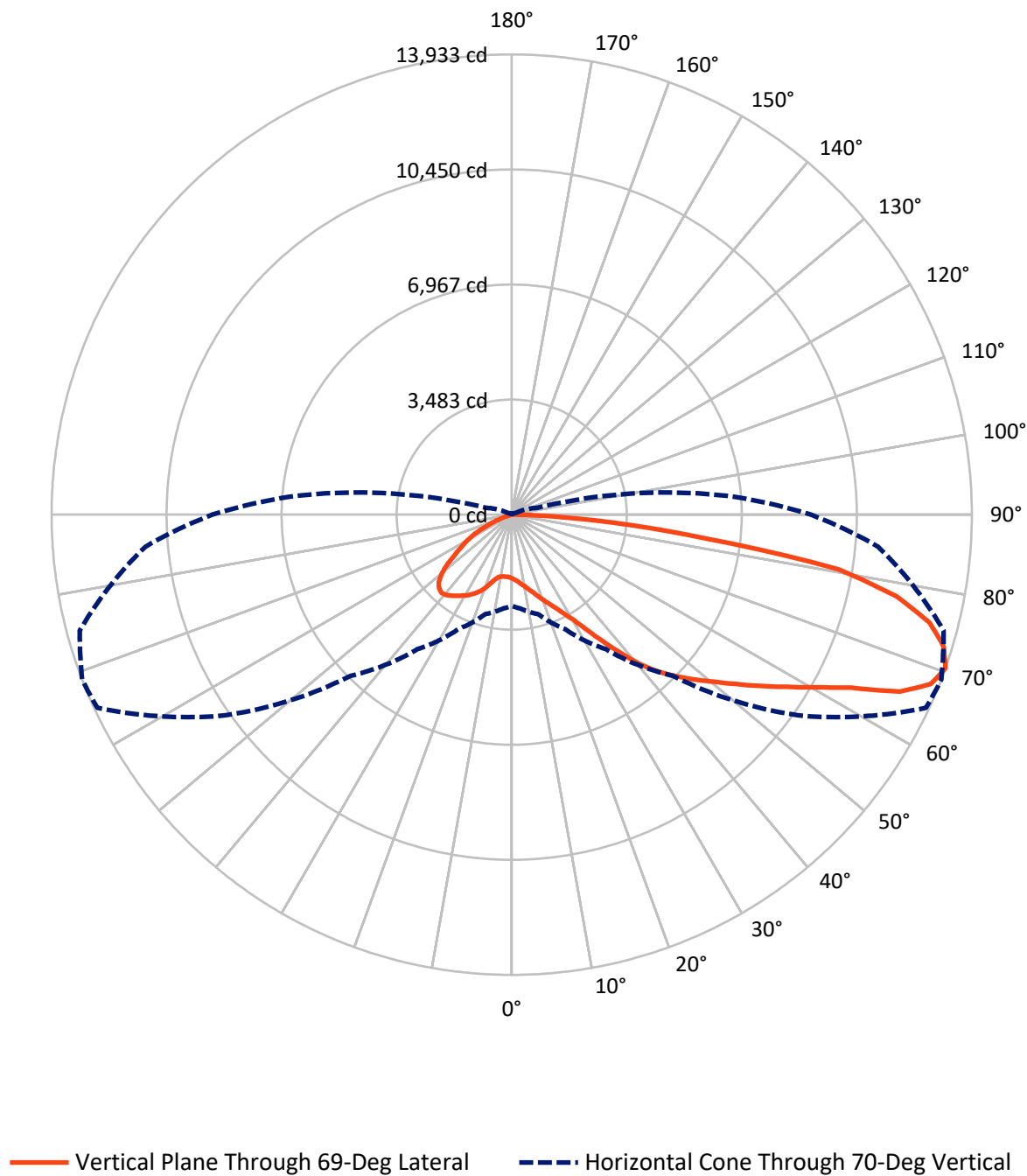


Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
Type III - Medium - Non-Cutoff

REPORT NUMBER: P287025

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

Luminous Intensity Polar Plot



REPORT NUMBER: P287025

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

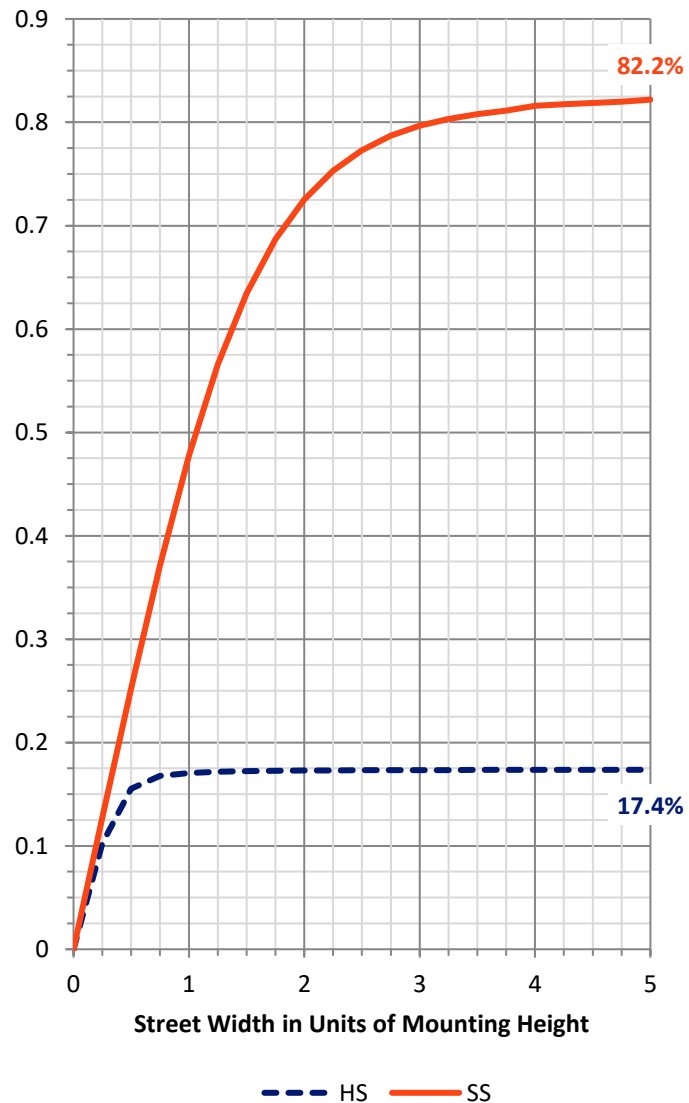
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3391.1	0.0	3391.1
	% Fixture	17.6	0.0	17.6
Street Side	Lumens	15912.9	0.0	15912.9
	% Fixture	82.4	0.0	82.4
Total	Lumens	19304.0	0.0	19304.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.7	1.0
10°-20°	595.3	3.1
20°-30°	1092.0	5.7
30°-40°	1875.5	9.7
40°-50°	2931.0	15.2
50°-60°	3914.4	20.3
60°-70°	4580.9	23.7
70°-80°	3441.2	17.8
80°-90°	686.1	3.6
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°	19304.0	100.0
0°-180°	19304.0	100.0

Coefficient of Utilization



REPORT NUMBER: P287025

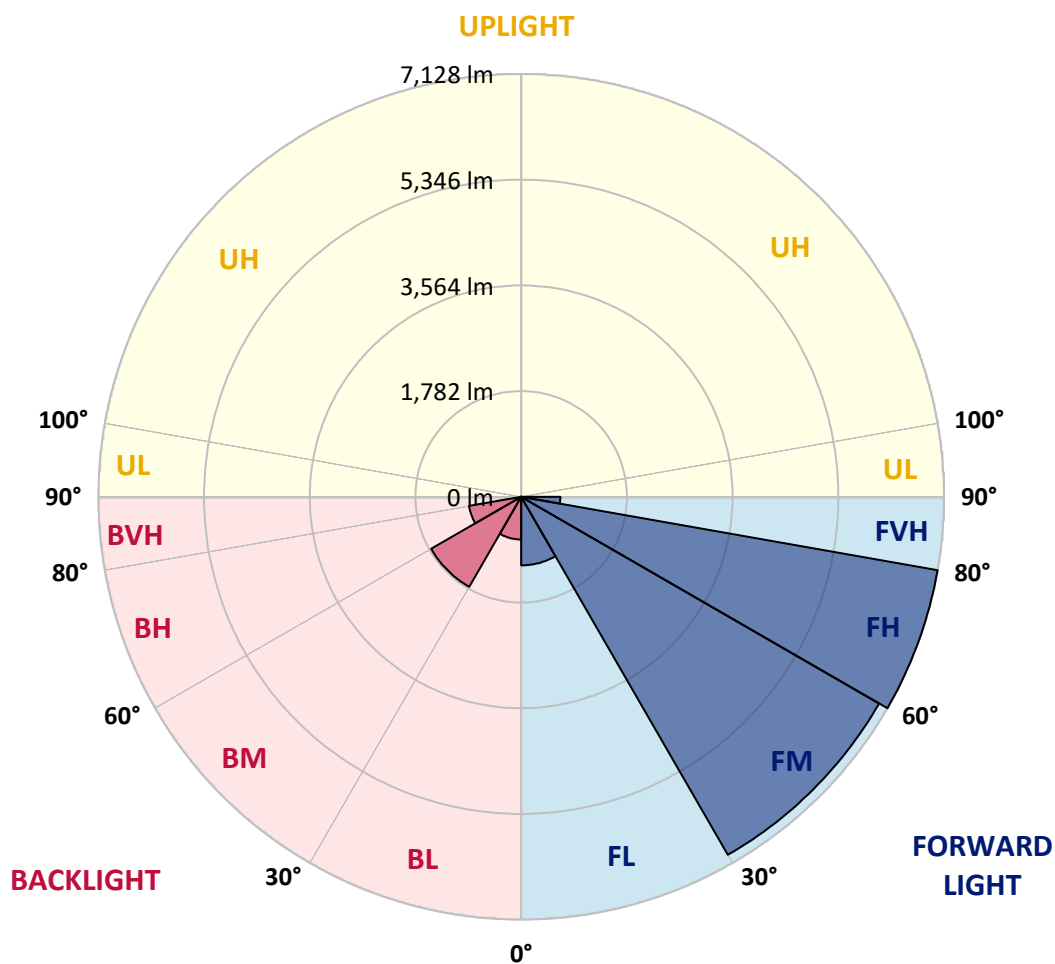
CATALOG NUMBER: USSL-C02-D-U-T3-AP-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1155.4	6.0			
FM	(30°-60°)	6968.4	36.1			
FH	(60°-80°)	7128.4	36.9			G3/7500
FVH	(80°-90°)	660.6	3.4			G4/750
BL	(0°-30°)	719.5	3.7	B2/1000		
BM	(30°-60°)	1752.4	9.1	B2/2500		
BH	(60°-80°)	893.7	4.6	B2/1000		G2/1000
BVH	(80°-90°)	25.4	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Medium





REPORT NUMBER: P287025

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	1930.2	1930.2	1930.2	1930.2	1930.2	1930.2	1930.2	1930.2	1930.2	1930.2	1930.2
2.5°	2064.3	2078.8	2069.5	2036.2	2029.9	2027.8	2006.1	1987.3	1975.9	1972.8	1937.5
5°	2176.4	2187.8	2184.8	2147.4	2137.0	2113.0	2094.4	2045.5	2038.2	2027.8	1985.3
7.5°	2260.6	2262.7	2281.3	2250.2	2239.8	2210.7	2183.7	2139.0	2130.7	2114.1	2053.9
10°	2338.5	2353.0	2363.4	2323.9	2340.6	2304.2	2272.0	2240.8	2206.5	2205.5	2129.7
12.5°	2388.4	2396.6	2419.5	2388.4	2412.2	2411.2	2382.1	2346.8	2327.0	2309.4	2223.1
15°	2419.5	2428.9	2459.0	2482.9	2491.2	2504.6	2503.7	2476.7	2442.3	2436.1	2346.8
17.5°	2468.3	2476.7	2499.5	2537.9	2567.0	2597.2	2621.0	2623.1	2602.4	2595.1	2513.0
20°	2542.1	2541.0	2553.5	2575.3	2630.4	2696.9	2749.9	2769.6	2761.3	2760.3	2700.0
22.5°	2620.0	2615.8	2628.3	2638.7	2695.9	2807.0	2894.3	2944.1	2947.3	2941.0	2930.6
25°	2744.7	2723.8	2722.9	2734.2	2810.1	2938.9	3053.3	3138.4	3146.7	3163.3	3255.8
27.5°	3061.5	3058.4	2965.9	2887.0	2937.9	3084.4	3252.6	3364.9	3403.3	3466.7	3641.2
30°	3517.6	3499.9	3461.5	3277.6	3140.5	3274.5	3486.4	3659.9	3700.4	3925.9	4081.7
32.5°	3926.9	3907.1	3891.5	3721.2	3532.1	3502.0	3714.9	4011.1	4127.4	4476.5	4592.8
35°	4284.2	4272.8	4272.8	4158.5	3967.4	3837.6	3989.3	4385.0	4664.5	5152.7	5183.9
37.5°	4608.3	4617.8	4630.2	4504.5	4406.9	4365.3	4353.9	4848.3	5264.9	5778.2	5782.3
40°	4895.1	4915.9	4940.8	4849.4	4782.9	4819.3	4751.7	5407.3	5925.7	6482.5	6351.6
42.5°	5118.5	5146.6	5272.2	5145.5	5194.3	5268.0	5253.5	5850.9	6492.8	6997.8	6871.0
45°	5284.7	5306.5	5382.3	5418.7	5535.0	5682.5	5714.8	6305.9	6979.0	7467.3	7294.9
47.5°	5414.5	5398.9	5444.7	5630.6	5875.8	6041.0	6168.7	6827.3	7454.8	7901.6	7665.7
50°	5474.8	5472.7	5586.0	5814.5	6172.9	6408.7	6653.8	7507.8	7952.4	8316.1	8049.1
52.5°	5519.4	5555.8	5734.5	6001.5	6469.0	6791.0	7048.7	8166.4	8518.6	8772.2	8469.8
55°	5552.7	5623.3	5798.9	6104.3	6672.6	7120.3	7463.2	8764.8	9152.3	9203.2	8849.0
57.5°	5345.9	5420.8	5698.1	6134.5	6831.6	7405.0	7890.1	9451.6	9839.1	9809.0	9255.2
60°	4995.8	5056.1	5394.8	6048.2	6851.3	7721.8	8500.9	10215.1	10608.9	10604.6	9736.1
62.5°	4626.0	4680.1	5014.6	5763.6	6719.3	7894.2	9213.6	11361.0	11525.1	11362.0	10174.6
65°	4155.4	4210.5	4542.9	5285.7	6394.2	7884.9	9815.1	12586.8	12917.2	12445.6	10668.0
67.5°	3532.1	3620.4	3920.7	4608.3	5767.8	7584.8	10336.7	13511.4	13688.0	13262.1	10974.5
70°	2763.4	2849.5	3120.8	3823.0	4968.8	6898.0	10593.3	13842.8	13933.1	13539.5	11135.5
72.5°	1930.2	2001.8	2124.5	2732.2	3861.4	5838.4	10577.7	13682.8	13678.6	13278.6	10768.8
75°	687.8	784.3	1280.9	1650.8	2248.0	4293.7	9885.8	13024.2	13069.8	12707.4	10013.5
77.5°	178.7	187.0	394.8	796.8	1263.3	2076.7	7341.6	11786.9	11910.5	11489.7	8804.4
80°	130.9	137.2	190.1	554.8	723.1	914.2	4026.7	9658.2	10041.6	9822.4	6750.5
82.5°	92.4	99.7	139.2	365.7	477.9	607.7	1512.6	5245.2	5853.9	5818.6	3331.6
85°	58.2	63.4	87.2	130.9	181.8	244.1	426.0	2692.7	3089.6	3256.9	1456.5
87.5°	27.0	31.2	48.9	77.9	111.2	128.8	128.8	577.6	719.9	764.6	310.7
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: P287025

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1930.2	1930.2	1930.2	1930.2	1930.2	1930.2	1930.2	1930.2	1930.2	1930.2	1930.2
2.5°	1918.7	1931.2	1904.2	1888.6	1856.4	1840.8	1832.6	1817.0	1812.9	1820.1	1827.4
5°	1963.5	1966.5	1911.5	1864.8	1824.2	1778.5	1756.7	1711.0	1691.3	1698.5	1706.9
7.5°	2020.6	2015.4	1931.2	1861.6	1788.9	1725.5	1680.9	1608.2	1587.4	1582.2	1593.6
10°	2074.6	2048.7	1955.1	1860.5	1764.0	1676.8	1608.2	1531.2	1481.4	1475.2	1477.3
12.5°	2172.3	2122.3	2014.3	1881.3	1765.1	1669.4	1569.7	1456.5	1398.3	1379.6	1379.6
15°	2307.3	2224.2	2122.3	1969.7	1831.5	1695.4	1553.1	1405.5	1303.8	1259.1	1258.1
17.5°	2452.7	2382.1	2274.0	2092.2	1910.5	1717.2	1516.7	1325.6	1191.5	1128.2	1122.0
20°	2653.2	2612.8	2489.1	2239.8	1986.3	1720.3	1471.0	1226.9	1046.1	960.0	941.2
22.5°	2936.9	2881.8	2675.1	2355.1	2012.2	1694.4	1383.8	1068.0	845.6	732.4	720.9
25°	3229.8	3145.7	2855.8	2436.1	2032.0	1642.4	1258.1	847.7	607.7	501.8	488.3
27.5°	3554.0	3422.0	3010.6	2513.0	2008.1	1553.1	1035.7	590.0	394.8	327.2	313.7
30°	3930.0	3737.8	3176.8	2566.0	1982.1	1372.4	766.6	382.3	255.5	205.7	202.5
32.5°	4396.5	4130.5	3341.0	2592.0	1888.6	1136.5	495.5	244.1	157.9	133.0	128.8
35°	4953.2	4582.4	3561.2	2586.8	1735.9	822.8	310.7	143.4	104.9	100.8	100.8
37.5°	5481.1	5074.8	3825.1	2565.0	1493.9	524.7	177.6	93.5	91.5	104.9	111.2
40°	6015.0	5555.8	4109.8	2505.7	1187.4	315.9	98.7	83.1	87.2	102.8	109.1
42.5°	6479.4	5935.0	4385.0	2376.9	836.3	169.4	87.2	77.9	82.0	89.3	90.4
45°	6854.4	6287.2	4533.6	2196.1	495.5	107.0	83.1	74.8	71.6	74.8	75.9
47.5°	7257.5	6587.4	4654.1	1929.1	268.0	104.9	82.0	69.6	63.4	61.3	63.4
50°	7557.7	6906.3	4696.6	1534.4	141.3	100.8	77.9	63.4	57.1	61.3	62.3
52.5°	7847.5	7151.5	4676.9	1071.0	119.5	92.4	71.6	59.2	54.1	66.5	69.6
55°	8234.0	7453.9	4534.6	521.5	116.4	87.2	64.4	51.9	51.9	51.9	51.9
57.5°	8587.2	7661.6	4250.0	237.9	112.2	80.0	58.2	46.7	39.4	43.7	44.6
60°	8952.9	7982.6	3764.9	151.7	106.0	69.6	49.8	40.5	34.2	34.2	35.3
62.5°	9315.5	8051.1	3090.6	134.0	100.8	63.4	43.7	35.3	29.0	29.0	31.2
65°	9614.7	7936.8	2276.1	119.5	95.6	57.1	39.4	32.2	24.9	23.8	24.9
67.5°	9501.4	7379.0	1478.3	107.0	87.2	51.9	34.2	29.0	22.9	18.7	19.7
70°	9058.9	6538.6	798.8	102.8	79.0	47.8	31.2	26.0	20.8	15.6	15.6
72.5°	8346.2	5510.1	300.3	95.6	72.7	41.5	28.1	26.0	19.7	12.5	11.4
75°	7178.5	4160.6	142.3	86.3	61.3	37.4	28.1	27.0	19.7	8.3	7.3
77.5°	5758.4	2320.9	109.1	72.7	49.8	31.2	28.1	26.0	11.4	4.1	3.1
80°	3094.8	871.6	82.0	53.0	36.4	23.8	26.0	18.7	5.2	1.1	0.0
82.5°	1227.9	215.1	57.1	23.8	15.6	10.4	14.5	7.3	1.1	0.0	0.0
85°	309.6	84.2	35.3	12.5	8.3	5.2	2.1	0.0	0.0	0.0	0.0
87.5°	35.3	23.8	10.4	6.3	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)