

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: P287013

Luminaire Tested: **USSL-C02-D-U-T2-AP-7050-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P287013
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-7050-HSS
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5000K 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: 19932.5 lumens
Efficiency: N/A
Efficacy: 130.3 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



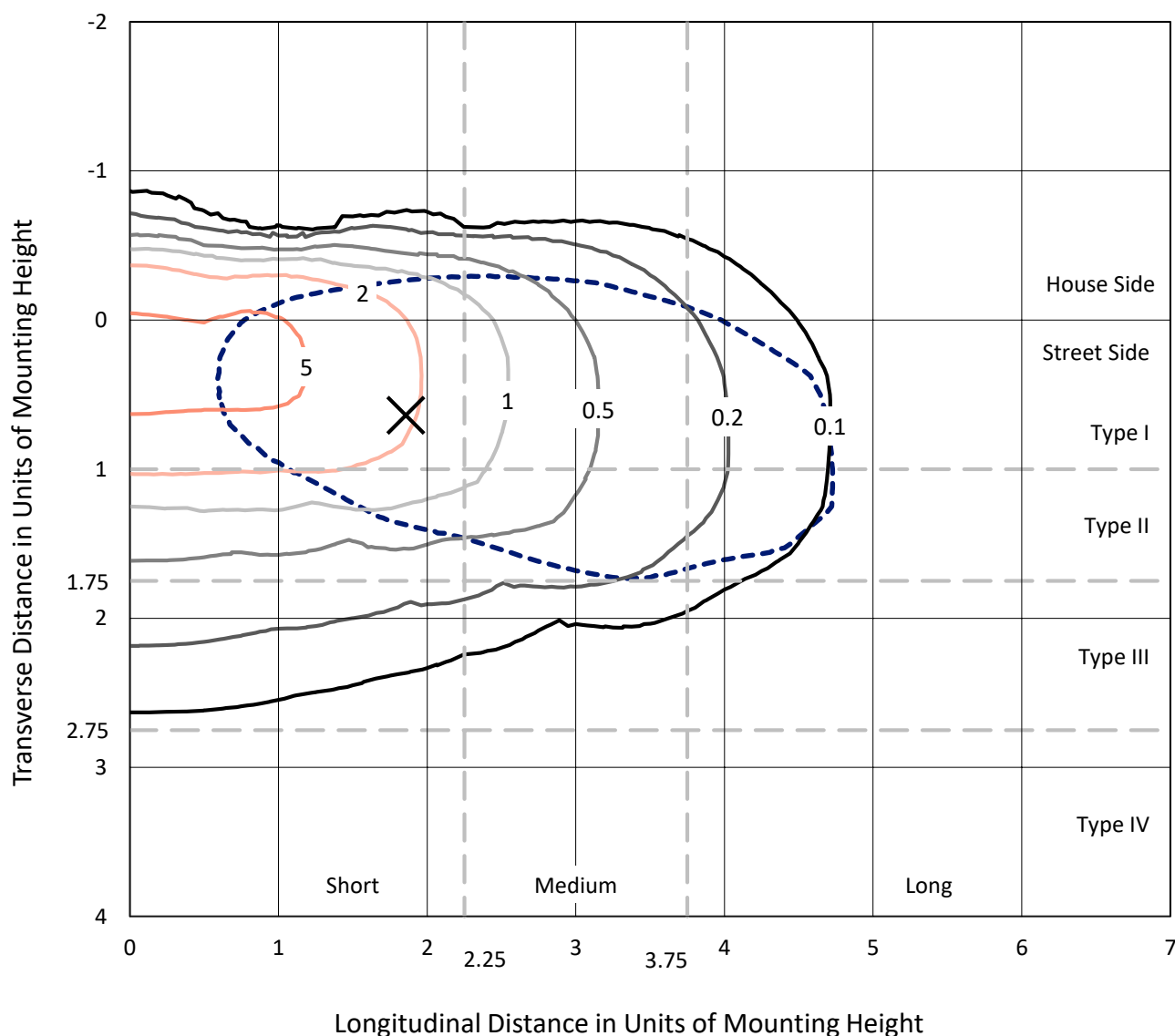
REPORT NUMBER: P287013

CATALOG NUMBER: USSL-C02-D-U-T2-AP-7050-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

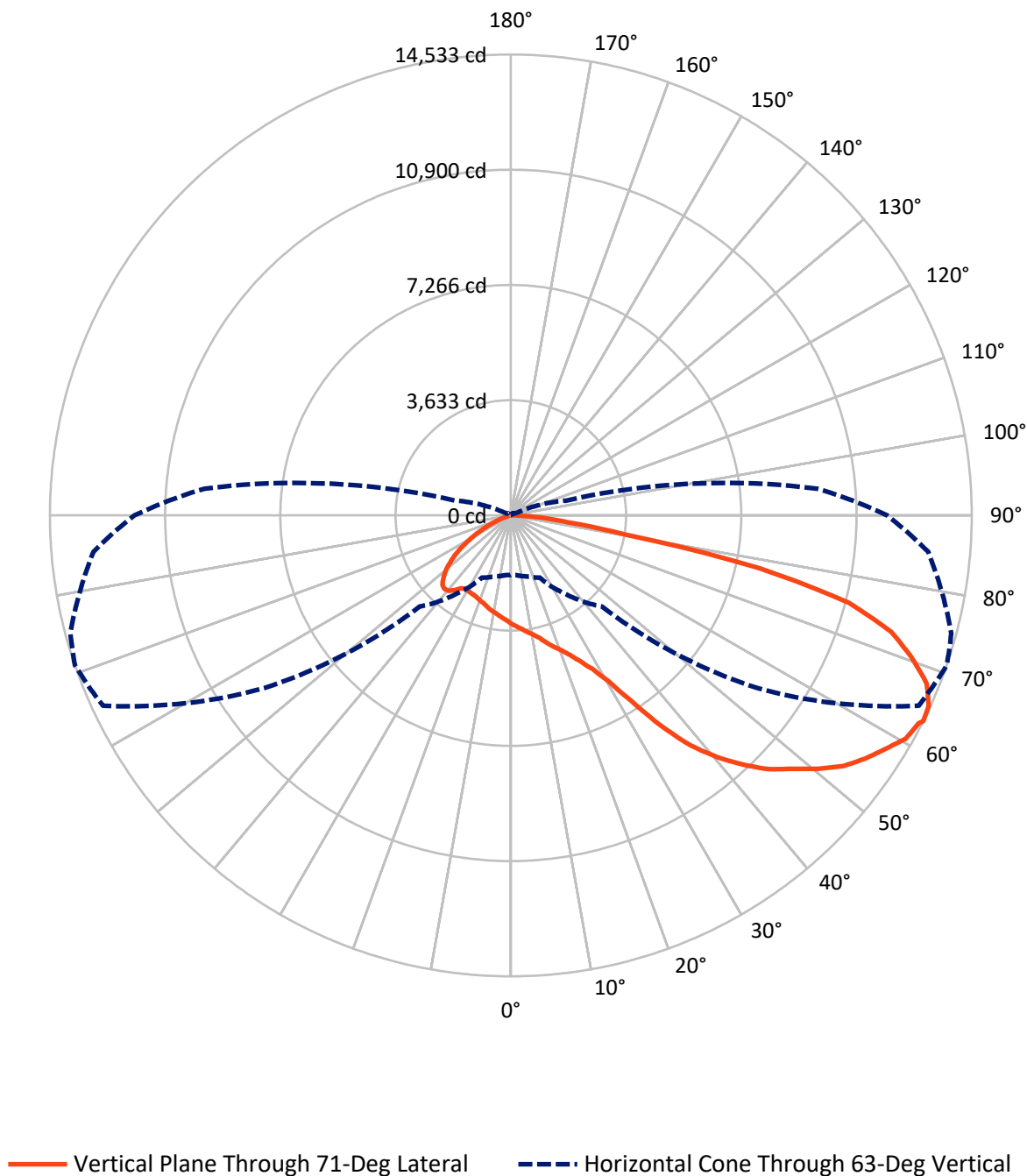


Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P287013

CATALOG NUMBER: USSL-C02-D-U-T2-AP-7050-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P287013

CATALOG NUMBER: USSL-C02-D-U-T2-AP-7050-HSS

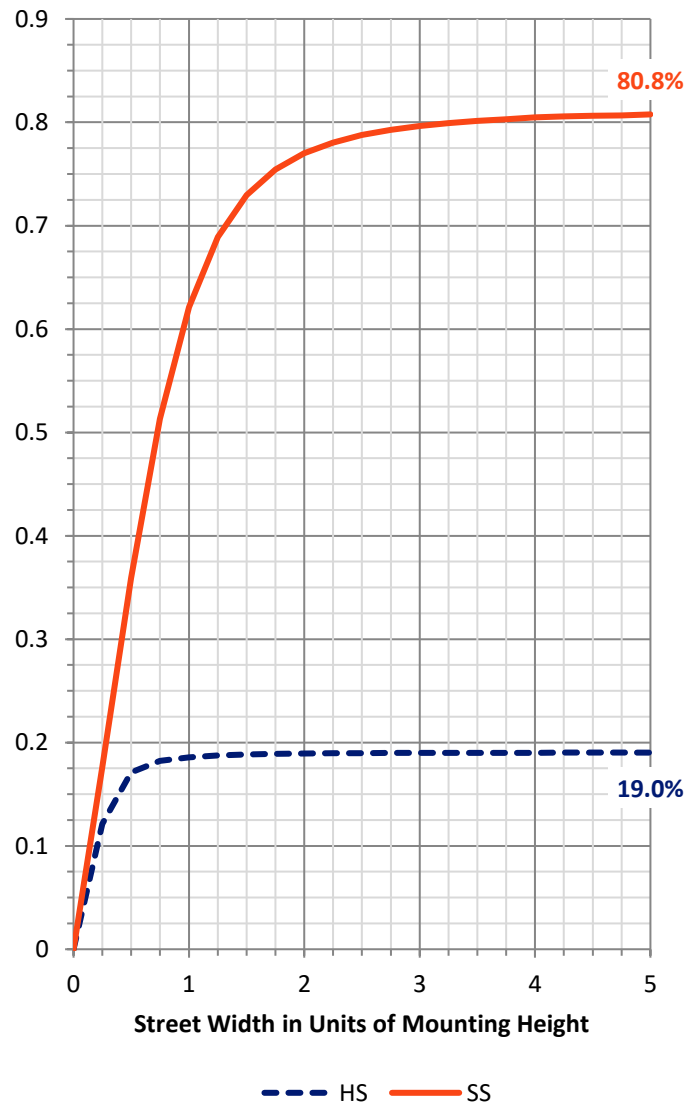
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3836.3	0.0	3836.3
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	16096.3	0.0	16096.3
	% Fixture	80.8	0.0	80.8
Total	Lumens	19932.5	0.0	19932.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.2	1.6
10°-20°	979.9	4.9
20°-30°	1648.0	8.3
30°-40°	2518.5	12.6
40°-50°	3508.5	17.6
50°-60°	4063.4	20.4
60°-70°	4024.1	20.2
70°-80°	2494.6	12.5
80°-90°	369.4	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°	19932.5	100.0
0°-180°	19932.5	100.0

Coefficient of Utilization



REPORT NUMBER: P287013

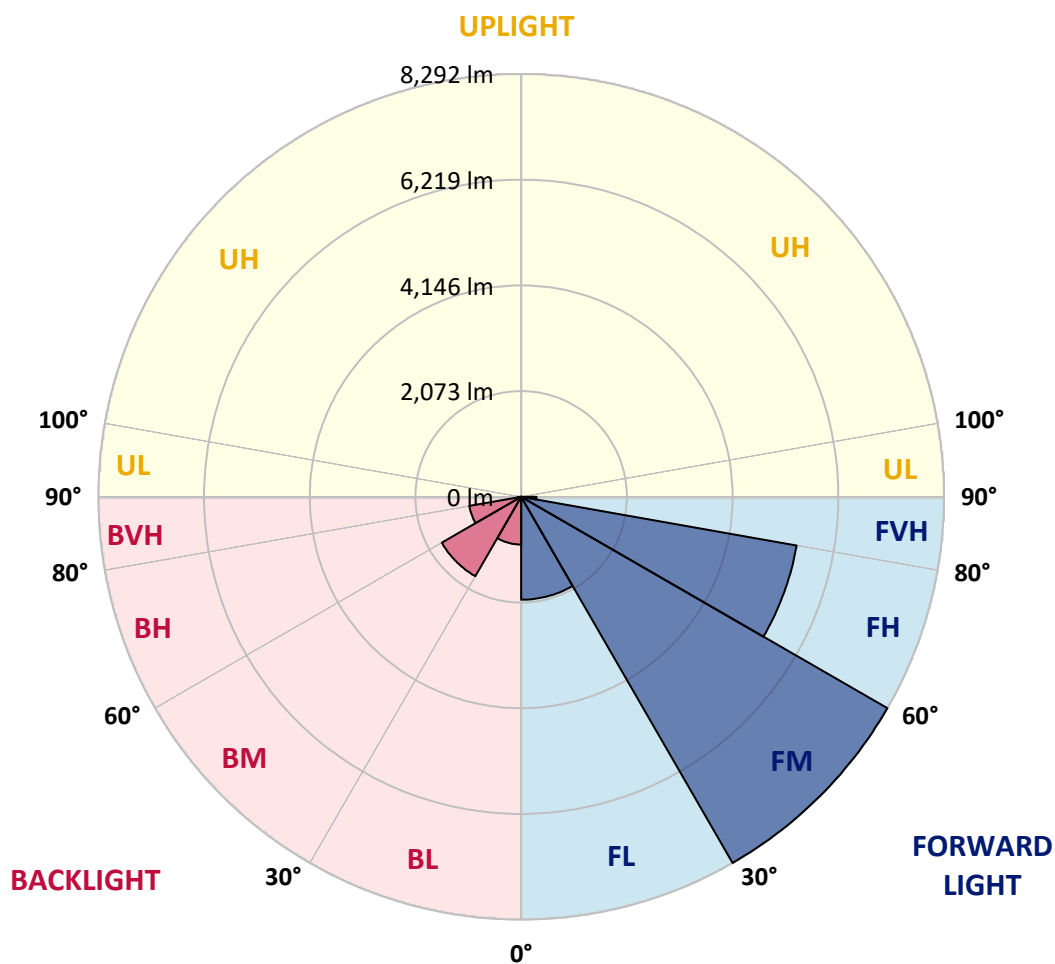
CATALOG NUMBER: USSL-C02-D-U-T2-AP-7050-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2018.5	10.1			
FM	(30°-60°)	8292.1	41.6			
FH	(60°-80°)	5486.4	27.5			G3/7500
FVH	(80°-90°)	299.2	1.5			G3/500
BL	(0°-30°)	935.5	4.7	B2/1000		
BM	(30°-60°)	1798.3	9.0	B2/2500		
BH	(60°-80°)	1032.3	5.2	B3/2500		G3/2500
BVH	(80°-90°)	70.2	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: P287013

CATALOG NUMBER: USSL-C02-D-U-T2-AP-7050-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	3425.9	3425.9	3425.9	3425.9	3425.9	3425.9	3425.9	3425.9	3425.9	3425.9	3425.9
2.5°	3772.8	3736.8	3735.8	3690.3	3656.4	3637.4	3585.5	3540.1	3501.0	3496.7	3427.0
5°	3978.0	3969.5	3957.9	3887.1	3855.3	3813.0	3755.9	3668.1	3597.2	3579.3	3468.2
7.5°	4209.6	4203.2	4180.0	4116.5	4036.2	3986.5	3875.4	3787.7	3712.5	3674.5	3524.3
10°	4342.9	4341.9	4339.8	4286.9	4224.4	4151.4	4033.0	3903.9	3817.2	3777.1	3560.2
12.5°	4554.4	4525.9	4516.3	4451.8	4372.5	4319.6	4210.7	4072.1	3954.7	3883.9	3641.6
15°	4724.7	4725.8	4707.8	4649.7	4590.4	4505.7	4413.7	4275.2	4146.1	4092.3	3781.3
17.5°	4936.3	4917.2	4896.1	4834.7	4772.3	4683.5	4626.4	4458.2	4352.4	4234.0	3903.9
20°	5070.6	5037.8	5014.5	4975.4	4950.1	4879.1	4827.3	4678.2	4533.3	4431.8	4041.5
22.5°	5163.6	5197.5	5188.0	5124.5	5134.0	5112.9	5047.3	4946.9	4784.0	4616.8	4200.1
25°	5220.7	5213.3	5268.3	5309.7	5381.5	5377.3	5328.6	5240.9	5096.0	4916.1	4437.1
27.5°	5237.7	5237.7	5326.5	5442.9	5612.2	5649.2	5655.5	5650.2	5489.4	5326.5	4748.0
30°	5263.0	5291.7	5377.3	5522.2	5767.7	5914.7	5984.4	6101.8	6061.7	5920.0	5255.7
32.5°	5162.6	5165.7	5290.6	5569.8	5927.3	6233.0	6370.5	6786.2	6962.8	7028.4	6284.8
35°	4839.0	4871.7	5099.2	5484.1	6001.4	6506.9	6880.3	7739.2	8128.4	8136.9	7269.5
37.5°	4614.7	4646.5	4890.8	5360.4	6059.6	6783.0	7463.1	8809.6	9203.0	9105.7	8118.8
40°	4369.3	4422.2	4681.4	5193.3	6051.1	7053.7	8086.1	9757.2	10019.6	9891.5	8813.8
42.5°	4130.3	4138.8	4393.7	4961.6	6007.7	7273.8	8695.3	10457.4	10747.3	10582.3	9494.9
45°	3840.4	3878.6	4130.3	4653.8	5863.9	7409.1	9231.5	11225.3	11417.8	11233.8	10064.0
47.5°	3506.3	3554.9	3878.6	4369.3	5544.4	7429.3	9713.9	11916.0	11935.0	11789.1	10662.6
50°	2707.7	2738.4	3403.7	4089.1	5162.6	7348.8	10174.0	12433.2	12557.0	12366.6	11173.5
52.5°	2451.8	2477.1	2663.3	3724.2	4651.8	7080.2	10495.6	13027.7	13128.1	12961.0	11672.7
55°	2350.2	2361.9	2427.4	3018.7	4223.4	6603.2	10698.6	13471.9	13543.8	13336.5	12086.3
57.5°	2172.5	2183.1	2322.7	2574.4	3863.8	5814.2	10673.2	13909.7	13904.5	13672.8	12514.7
60°	2038.2	2060.3	2178.8	2367.1	3430.2	4864.3	10325.2	14245.1	14296.9	14084.3	12826.7
62.5°	1911.2	1919.7	2020.2	2202.2	3077.8	4171.6	9670.5	14214.3	14433.3	14275.7	13219.1
63°	1875.3	1891.2	1990.6	2167.2	3027.1	4062.6	9493.8	14190.0	14532.7	14378.3	13209.5
65°	1764.2	1766.3	1863.6	2030.8	2784.9	3723.1	8906.9	13868.5	14480.9	14387.8	13373.5
67.5°	1552.6	1568.5	1655.2	1818.2	2380.9	3291.5	7390.2	13654.8	14144.6	14193.2	13105.9
70°	1317.9	1327.4	1434.3	1594.0	2001.2	2792.3	5527.5	12910.2	13399.9	13460.2	12402.5
72.5°	1033.4	1038.7	1155.0	1341.2	1637.3	2305.8	3814.1	11612.5	12531.6	12531.6	11200.0
75°	324.8	383.9	809.1	1081.0	1323.2	1784.3	2505.7	9009.5	11014.8	11288.8	9589.0
77.5°	105.8	114.3	256.0	570.1	833.5	1369.7	1663.7	4789.3	8001.5	8754.6	7563.6
80°	76.2	88.8	158.7	427.4	524.7	582.8	1031.3	2610.4	3636.3	4765.9	5051.6
82.5°	39.1	50.8	112.1	271.9	298.3	294.0	458.0	1234.4	1816.0	2193.7	2620.9
85°	18.0	22.3	48.6	95.2	82.5	77.2	161.8	646.2	1023.9	1210.0	1307.3
87.5°	4.2	6.4	18.0	33.8	21.2	17.0	19.1	205.2	373.4	465.4	481.3
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: P287013

CATALOG NUMBER: USSL-C02-D-U-T2-AP-7050-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3425.9	3425.9	3425.9	3425.9	3425.9	3425.9	3425.9	3425.9	3425.9	3425.9	3425.9
2.5°	3397.3	3414.3	3333.8	3294.7	3228.1	3206.9	3174.2	3135.0	3122.4	3154.1	3132.9
5°	3427.0	3403.7	3287.3	3181.5	3092.7	3022.9	2970.1	2903.4	2863.2	2872.6	2879.0
7.5°	3438.5	3386.7	3221.8	3091.6	2941.4	2851.6	2755.3	2661.2	2620.9	2627.3	2631.5
10°	3450.2	3372.0	3177.4	2985.8	2807.1	2668.6	2558.6	2433.7	2373.4	2375.6	2395.7
12.5°	3519.0	3366.7	3140.3	2908.7	2677.0	2504.6	2370.3	2231.7	2146.1	2152.4	2168.2
15°	3616.3	3412.1	3092.7	2794.4	2551.2	2355.5	2188.4	2035.0	1969.4	1978.9	1993.8
17.5°	3699.8	3462.9	3055.7	2673.8	2398.9	2188.4	2037.1	1906.0	1786.5	1804.5	1793.9
20°	3784.5	3534.8	3044.0	2572.3	2267.7	2025.5	1854.2	1748.4	1600.3	1560.1	1547.5
22.5°	3919.8	3615.2	3033.4	2479.2	2112.2	1882.7	1669.0	1513.5	1300.9	1228.0	1199.4
25°	4097.5	3730.5	3017.6	2395.7	1983.2	1712.4	1422.6	1143.4	985.8	892.6	849.3
27.5°	4337.6	3895.5	3040.9	2321.6	1853.1	1510.4	1079.9	830.3	689.6	609.2	563.8
30°	4739.6	4111.2	3046.2	2255.0	1694.5	1204.7	769.0	577.5	458.0	403.0	375.5
32.5°	5622.7	4765.9	3093.7	2178.8	1524.1	886.4	535.1	387.1	291.9	257.0	272.9
35°	6551.3	5569.8	3265.1	2070.9	1257.6	599.7	353.3	250.7	187.2	192.5	197.8
37.5°	7255.8	6193.8	3624.8	1938.8	945.5	410.4	212.6	171.4	165.0	179.8	207.3
40°	7948.6	6814.7	3945.2	1779.0	640.9	246.4	143.8	157.6	148.1	154.4	156.5
42.5°	8555.7	7309.7	4174.7	1543.2	396.6	144.9	125.9	145.9	135.3	132.2	116.4
45°	9142.7	7738.1	4316.4	1217.4	227.5	115.3	115.3	139.6	131.1	123.8	105.8
47.5°	9662.0	8217.2	4281.6	840.8	138.5	103.7	107.9	125.9	122.7	113.2	103.7
50°	10140.2	8564.2	4190.6	477.1	121.7	98.4	104.7	104.7	110.0	85.6	78.2
52.5°	10556.8	8871.9	3897.6	254.9	113.2	94.1	94.1	83.5	88.8	65.6	62.4
55°	10985.2	9194.5	3485.1	199.9	107.9	94.1	83.5	73.0	66.7	47.6	50.8
57.5°	11337.4	9432.5	2951.0	179.8	111.1	89.9	76.2	63.5	52.9	37.0	35.9
60°	11663.2	9629.3	2432.7	159.7	119.6	90.9	63.5	52.9	37.0	29.6	26.4
62.5°	11860.0	9673.7	1886.9	144.9	119.6	83.5	57.1	44.4	28.5	20.1	19.1
63°	11866.3	9687.4	1801.3	143.8	121.7	83.5	57.1	43.3	26.4	19.1	18.0
65°	11959.4	9400.8	1421.5	140.6	123.8	79.3	53.9	34.9	22.3	14.8	13.8
67.5°	11604.0	8848.7	935.0	138.5	123.8	77.2	47.6	29.6	19.1	11.7	9.5
70°	10664.7	7904.2	572.2	133.2	125.9	76.2	59.2	25.4	17.0	8.5	7.4
72.5°	9370.2	6981.9	329.0	118.5	123.8	62.4	33.8	22.3	14.8	6.4	5.3
75°	7931.7	5612.2	207.3	92.0	96.2	51.8	28.5	20.1	12.7	3.2	3.2
77.5°	6026.7	4038.3	177.7	70.9	57.1	45.5	24.4	15.9	8.5	1.1	1.1
80°	4256.1	2853.7	127.9	44.4	31.7	28.5	18.0	10.6	3.2	0.0	0.0
82.5°	2395.7	1559.0	69.8	15.9	9.5	10.6	8.5	4.2	0.0	0.0	0.0
85°	1129.6	609.2	34.9	10.6	5.3	4.2	1.1	0.0	0.0	0.0	0.0
87.5°	419.9	147.0	8.5	4.2	3.2	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)