

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: P287002

Luminaire Tested: **USSL-C01-D-U-T2-AP-7030-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P287002
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-C01-D-U-T2-AP-7030-HSS
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED AND TYPE II OPTIC WITH HOUSE SIDE SHIELD, GRAY
PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6817.3 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 52
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



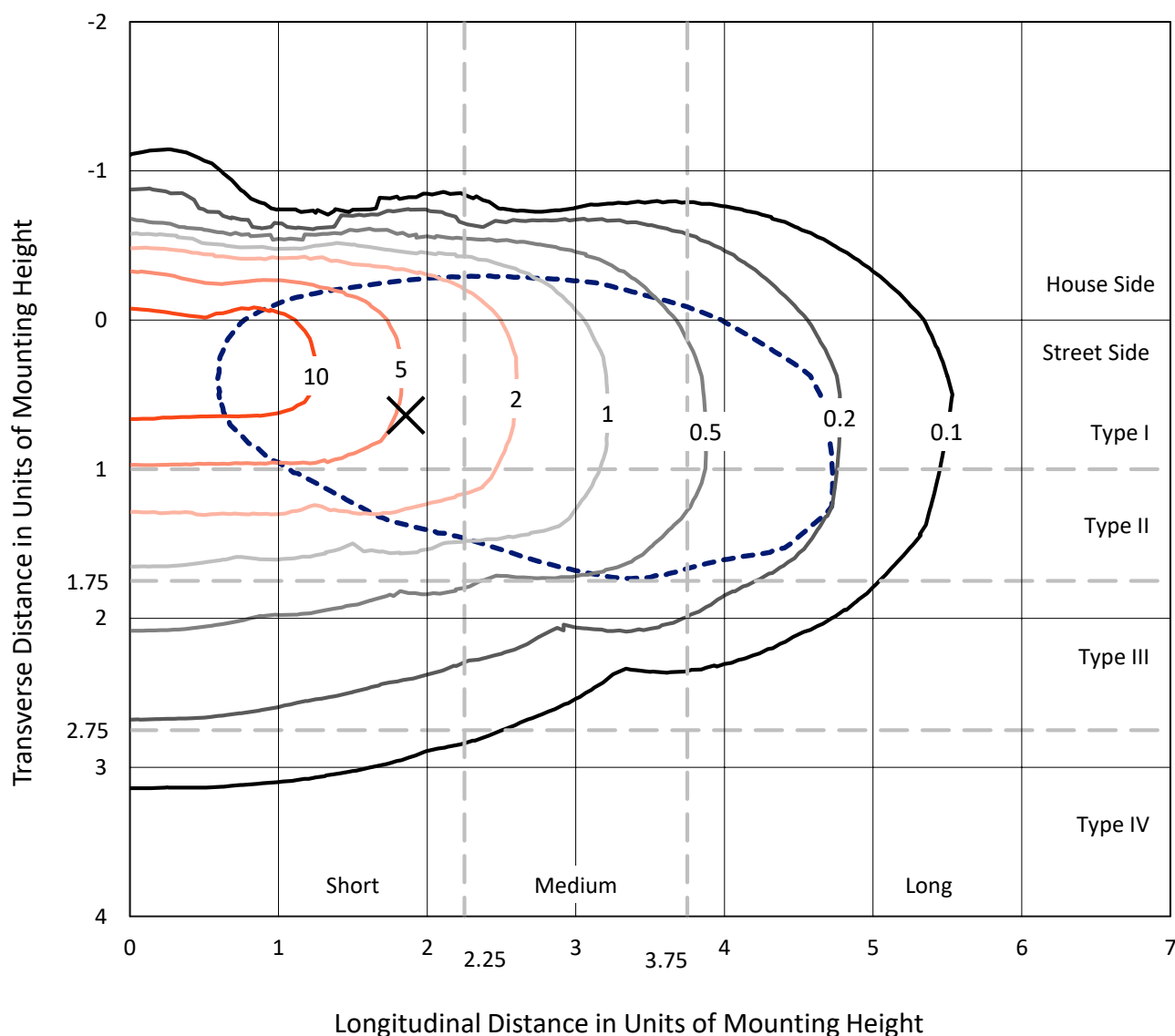
REPORT NUMBER: P287002

CATALOG NUMBER: USSL-C01-D-U-T2-AP-7030-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

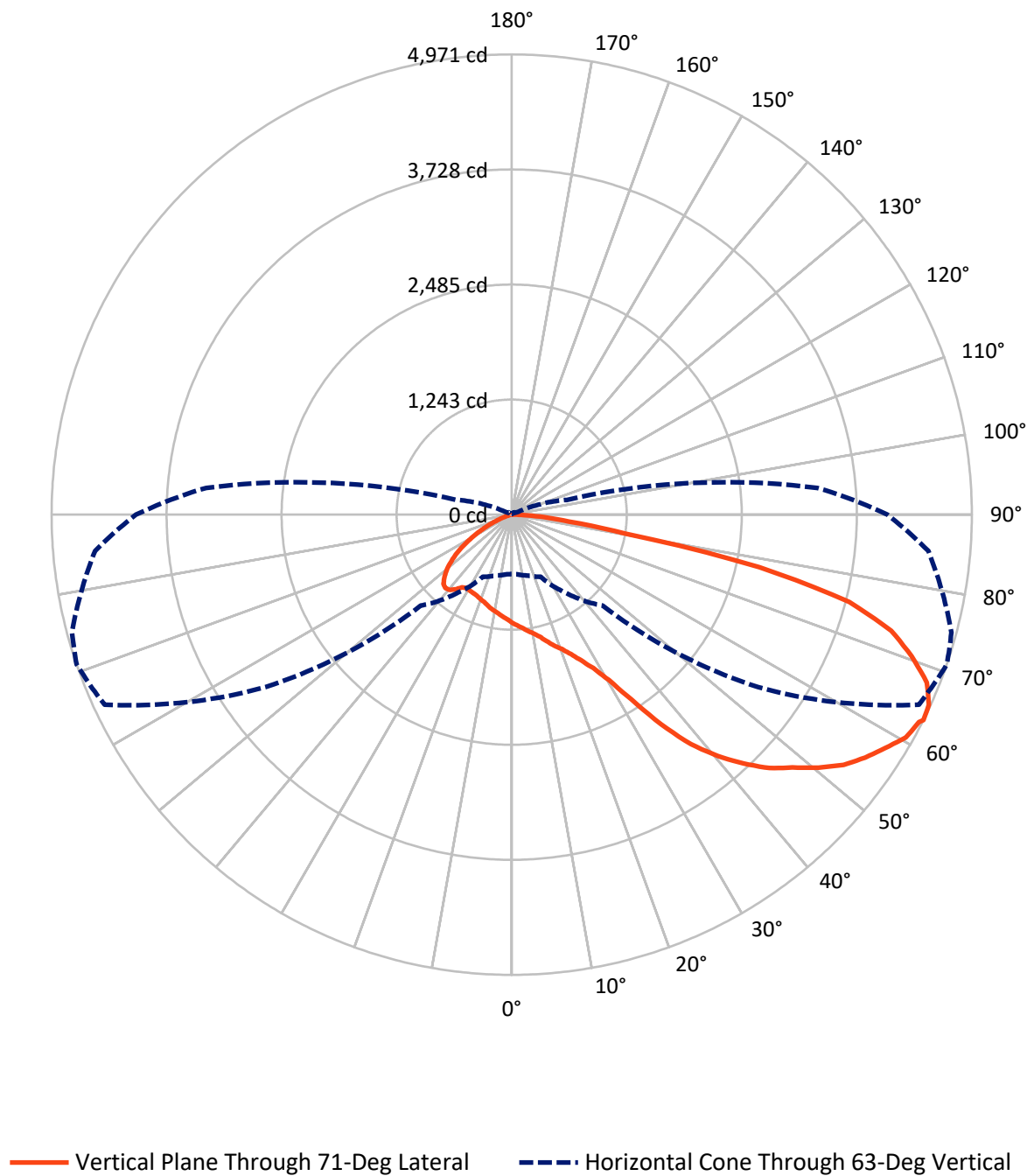


Based on 10 foot mounting height. Maximum calculated value = 15.6 fc
Type II - Short - Non-Cutoff

REPORT NUMBER: P287002

CATALOG NUMBER: USSL-C01-D-U-T2-AP-7030-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P287002

CATALOG NUMBER: USSL-C01-D-U-T2-AP-7030-HSS

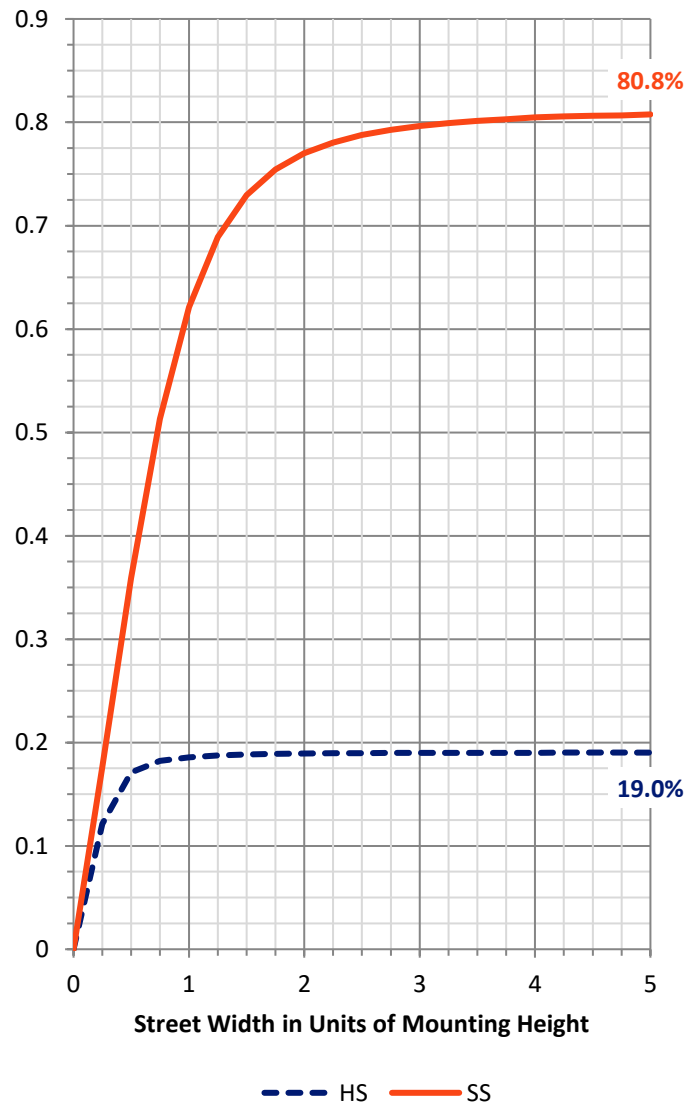
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1312.1	0.0	1312.1
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	5505.2	0.0	5505.2
	% Fixture	80.8	0.0	80.8
Total	Lumens	6817.3	0.0	6817.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.6	1.6
10°-20°	335.1	4.9
20°-30°	563.6	8.3
30°-40°	861.4	12.6
40°-50°	1200.0	17.6
50°-60°	1389.8	20.4
60°-70°	1376.3	20.2
70°-80°	853.2	12.5
80°-90°	126.3	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°	6817.3	100.0
0°-180°	6817.3	100.0

Coefficient of Utilization



REPORT NUMBER: P287002

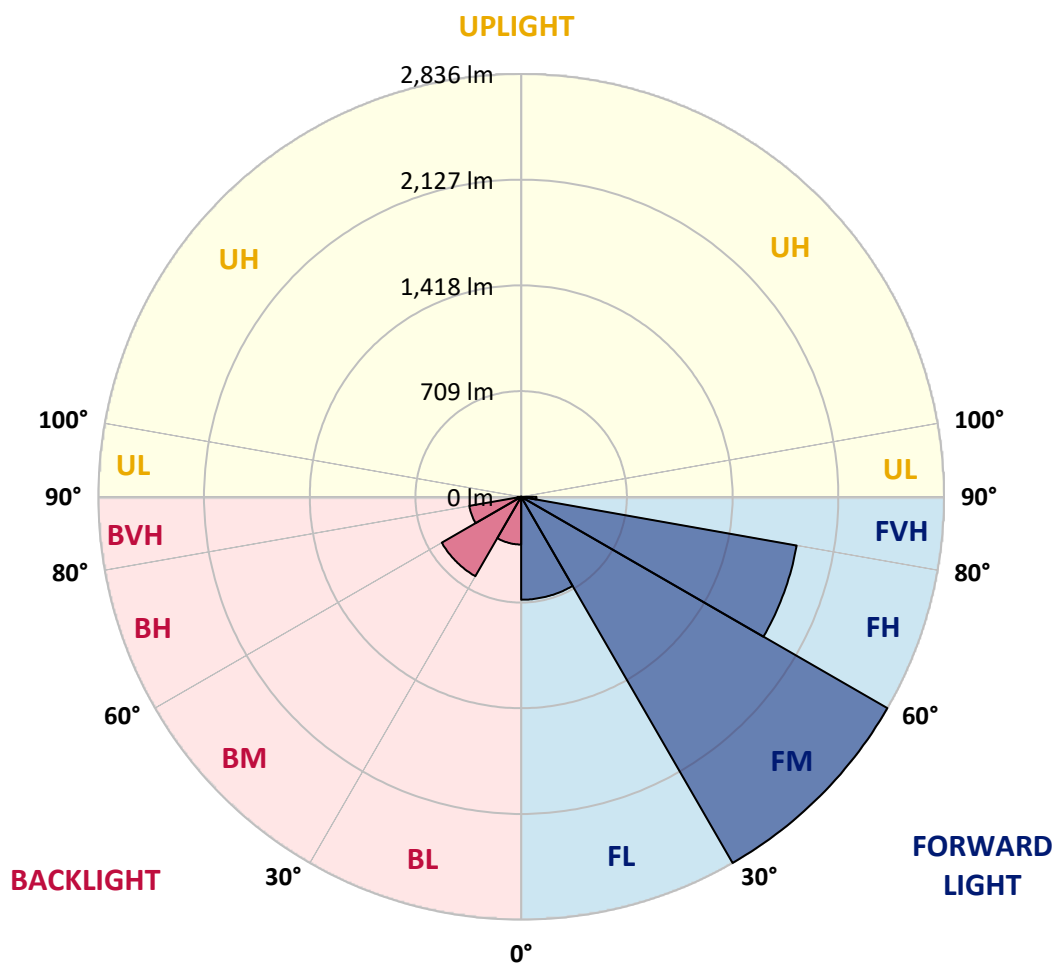
CATALOG NUMBER: USSL-C01-D-U-T2-AP-7030-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	690.4	10.1			
FM	(30°-60°)	2836.1	41.6			
FH	(60°-80°)	1876.5	27.5			G2/5000
FVH	(80°-90°)	102.3	1.5			G2/225
BL	(0°-30°)	320.0	4.7	B1/500		
BM	(30°-60°)	615.0	9.0	B1/1000		
BH	(60°-80°)	353.1	5.2	B1/500		G1/500
BVH	(80°-90°)	24.0	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short





REPORT NUMBER: P287002

CATALOG NUMBER: USSL-C01-D-U-T2-AP-7030-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	1171.7	1171.7	1171.7	1171.7	1171.7	1171.7	1171.7	1171.7	1171.7	1171.7	1171.7
2.5°	1290.3	1278.0	1277.7	1262.1	1250.6	1244.1	1226.3	1210.8	1197.4	1196.0	1172.0
5°	1360.6	1357.6	1353.7	1329.4	1318.6	1304.1	1284.6	1254.6	1230.3	1224.2	1186.1
7.5°	1439.8	1437.6	1429.6	1408.0	1380.4	1363.5	1325.4	1295.4	1269.8	1256.7	1205.3
10°	1485.3	1485.0	1484.3	1466.2	1444.9	1419.8	1379.4	1335.3	1305.6	1291.8	1217.6
12.5°	1557.7	1548.0	1544.7	1522.7	1495.5	1477.4	1440.1	1392.7	1352.5	1328.4	1245.5
15°	1615.9	1616.3	1610.2	1590.3	1570.0	1541.1	1509.6	1462.2	1418.0	1399.6	1293.3
17.5°	1688.3	1681.7	1674.5	1653.5	1632.2	1601.8	1582.3	1524.8	1488.6	1448.1	1335.3
20°	1734.2	1723.0	1715.0	1701.7	1693.0	1668.7	1651.0	1600.0	1550.4	1515.8	1382.2
22.5°	1766.1	1777.7	1774.4	1752.7	1755.9	1748.7	1726.3	1691.9	1636.2	1579.0	1436.5
25°	1785.6	1783.1	1801.9	1816.0	1840.6	1839.1	1822.5	1792.5	1742.9	1681.4	1517.6
27.5°	1791.4	1791.4	1821.8	1861.6	1919.5	1932.1	1934.3	1932.5	1877.5	1821.8	1623.9
30°	1800.0	1809.9	1839.1	1888.7	1972.6	2022.9	2046.8	2086.9	2073.2	2024.7	1797.6
32.5°	1765.7	1766.7	1809.5	1905.0	2027.3	2131.8	2178.8	2321.0	2381.4	2403.9	2149.5
35°	1655.0	1666.3	1744.0	1875.7	2052.6	2225.5	2353.2	2646.9	2780.0	2783.0	2486.3
37.5°	1578.3	1589.2	1672.7	1833.3	2072.4	2319.9	2552.6	3013.0	3147.6	3114.3	2776.8
40°	1494.4	1512.5	1601.1	1776.2	2069.6	2412.5	2765.6	3337.2	3426.9	3383.1	3014.5
42.5°	1412.6	1415.5	1502.7	1697.0	2054.7	2487.8	2974.0	3576.6	3675.7	3619.3	3247.4
45°	1313.5	1326.6	1412.6	1591.8	2005.5	2534.1	3157.3	3839.3	3905.1	3842.1	3442.0
47.5°	1199.2	1215.8	1326.6	1494.4	1896.3	2540.9	3322.4	4075.5	4082.0	4032.1	3646.8
50°	926.0	936.5	1164.1	1398.5	1765.7	2513.4	3479.7	4252.4	4294.7	4229.6	3821.6
52.5°	838.5	847.2	910.9	1273.7	1591.0	2421.6	3589.7	4455.7	4490.1	4432.9	3992.3
55°	803.8	807.7	830.2	1032.4	1444.4	2258.4	3659.1	4607.6	4632.2	4561.3	4133.7
57.5°	743.0	746.7	794.4	880.5	1321.5	1988.6	3650.4	4757.4	4755.6	4676.4	4280.2
60°	697.1	704.7	745.2	809.6	1173.2	1663.7	3531.4	4872.0	4889.7	4817.0	4386.9
62.5°	653.6	656.6	690.9	753.2	1052.7	1426.7	3307.5	4861.5	4936.5	4882.5	4521.2
63°	641.3	646.9	680.8	741.2	1035.3	1389.5	3247.1	4853.3	4970.5	4917.6	4517.9
65°	603.4	604.1	637.4	694.6	952.5	1273.4	3046.3	4743.3	4952.7	4920.9	4574.0
67.5°	531.0	536.5	566.1	621.8	814.3	1125.7	2527.5	4670.2	4837.7	4854.3	4482.4
70°	450.8	454.0	490.5	545.1	684.5	955.1	1890.5	4415.5	4583.0	4603.7	4241.9
72.5°	353.5	355.3	395.0	458.7	559.9	788.6	1304.5	3971.7	4286.0	4286.0	3830.6
75°	111.1	131.3	276.7	369.7	452.6	610.3	857.0	3081.4	3767.3	3861.0	3279.6
77.5°	36.1	39.1	87.5	195.0	285.0	468.5	569.1	1638.0	2736.7	2994.2	2586.9
80°	26.1	30.4	54.3	146.2	179.4	199.4	352.7	892.8	1243.7	1630.0	1727.7
82.5°	13.4	17.4	38.4	93.0	102.0	100.6	156.7	422.2	621.1	750.3	896.5
85°	6.1	7.6	16.6	32.5	28.2	26.4	55.3	221.0	350.2	413.9	447.2
87.5°	1.5	2.1	6.1	11.6	7.2	5.8	6.5	70.2	127.7	159.2	164.6
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: P287002

CATALOG NUMBER: USSL-C01-D-U-T2-AP-7030-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1171.7	1171.7	1171.7	1171.7	1171.7	1171.7	1171.7	1171.7	1171.7	1171.7	1171.7
2.5°	1162.0	1167.7	1140.2	1126.9	1104.1	1096.8	1085.7	1072.2	1067.8	1078.8	1071.6
5°	1172.0	1164.1	1124.3	1088.2	1057.8	1033.9	1015.8	993.0	979.2	982.5	984.6
7.5°	1176.1	1158.4	1101.9	1057.4	1006.1	975.3	942.4	910.1	896.5	898.6	900.1
10°	1180.0	1153.3	1086.7	1021.2	960.1	912.7	875.1	832.3	811.8	812.5	819.4
12.5°	1203.5	1151.5	1074.0	994.8	915.5	856.6	810.7	763.3	734.0	736.2	741.6
15°	1236.8	1167.1	1057.8	955.7	872.5	805.6	748.5	696.0	673.6	676.9	681.9
17.5°	1265.4	1184.3	1045.1	914.5	820.5	748.5	696.8	651.8	611.0	617.2	613.6
20°	1294.3	1208.9	1041.1	879.8	775.6	692.8	634.1	598.0	547.3	533.6	529.2
22.5°	1340.7	1236.5	1037.5	847.9	722.4	643.9	570.9	517.7	444.9	420.0	410.2
25°	1401.4	1275.9	1032.0	819.4	678.3	585.7	486.6	391.1	337.2	305.4	290.5
27.5°	1483.5	1332.3	1040.1	794.1	633.8	516.6	369.4	283.9	235.8	208.4	192.8
30°	1621.0	1406.2	1041.9	771.3	579.6	412.0	263.0	197.6	156.7	137.8	128.5
32.5°	1923.1	1630.0	1058.1	745.2	521.3	303.1	183.0	132.4	99.8	87.9	93.4
35°	2240.7	1905.0	1116.7	708.3	430.1	205.1	120.8	85.7	64.0	65.8	67.6
37.5°	2481.6	2118.4	1239.8	663.1	323.4	140.3	72.7	58.6	56.4	61.5	70.9
40°	2718.5	2330.7	1349.4	608.5	219.2	84.3	49.2	53.9	50.7	52.8	53.5
42.5°	2926.2	2500.1	1427.8	527.8	135.7	49.6	43.0	49.9	46.3	45.3	39.7
45°	3127.0	2646.6	1476.3	416.3	77.8	39.4	39.4	47.8	44.8	42.3	36.1
47.5°	3304.6	2810.4	1464.4	287.6	47.4	35.4	36.9	43.0	42.0	38.7	35.4
50°	3468.1	2929.1	1433.3	163.1	41.7	33.6	35.8	35.8	37.6	29.3	26.8
52.5°	3610.7	3034.4	1333.0	87.2	38.7	32.2	32.2	28.6	30.4	22.5	21.3
55°	3757.1	3144.7	1192.0	68.4	36.9	32.2	28.6	25.0	22.8	16.3	17.4
57.5°	3877.6	3226.1	1009.2	61.5	37.9	30.7	26.1	21.7	18.1	12.6	12.3
60°	3989.0	3293.4	832.0	54.6	40.9	31.2	21.7	18.1	12.6	10.2	9.0
62.5°	4056.3	3308.6	645.4	49.6	40.9	28.6	19.5	15.2	9.8	6.9	6.5
63°	4058.5	3313.2	616.0	49.2	41.7	28.6	19.5	14.8	9.0	6.5	6.1
65°	4090.4	3215.2	486.2	48.1	42.3	27.1	18.4	12.0	7.6	5.1	4.7
67.5°	3968.8	3026.4	319.8	47.4	42.3	26.4	16.3	10.2	6.5	4.0	3.3
70°	3647.5	2703.4	195.7	45.6	43.0	26.1	20.2	8.7	5.8	2.9	2.5
72.5°	3204.7	2388.0	112.5	40.5	42.3	21.3	11.6	7.6	5.1	2.1	1.8
75°	2712.8	1919.5	70.9	31.5	33.0	17.7	9.8	6.9	4.3	1.1	1.1
77.5°	2061.3	1381.2	60.7	24.3	19.5	15.6	8.4	5.4	2.9	0.3	0.3
80°	1455.7	976.0	43.8	15.2	10.8	9.8	6.1	3.6	1.1	0.0	0.0
82.5°	819.4	533.2	23.8	5.4	3.3	3.6	2.9	1.5	0.0	0.0	0.0
85°	386.3	208.4	12.0	3.6	1.8	1.5	0.3	0.0	0.0	0.0	0.0
87.5°	143.6	50.2	2.9	1.5	1.1	0.3	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)