

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: P287006

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P287006
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-HSS
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K 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: 6943.4 lumens
Efficiency: N/A
Efficacy: 133.5 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



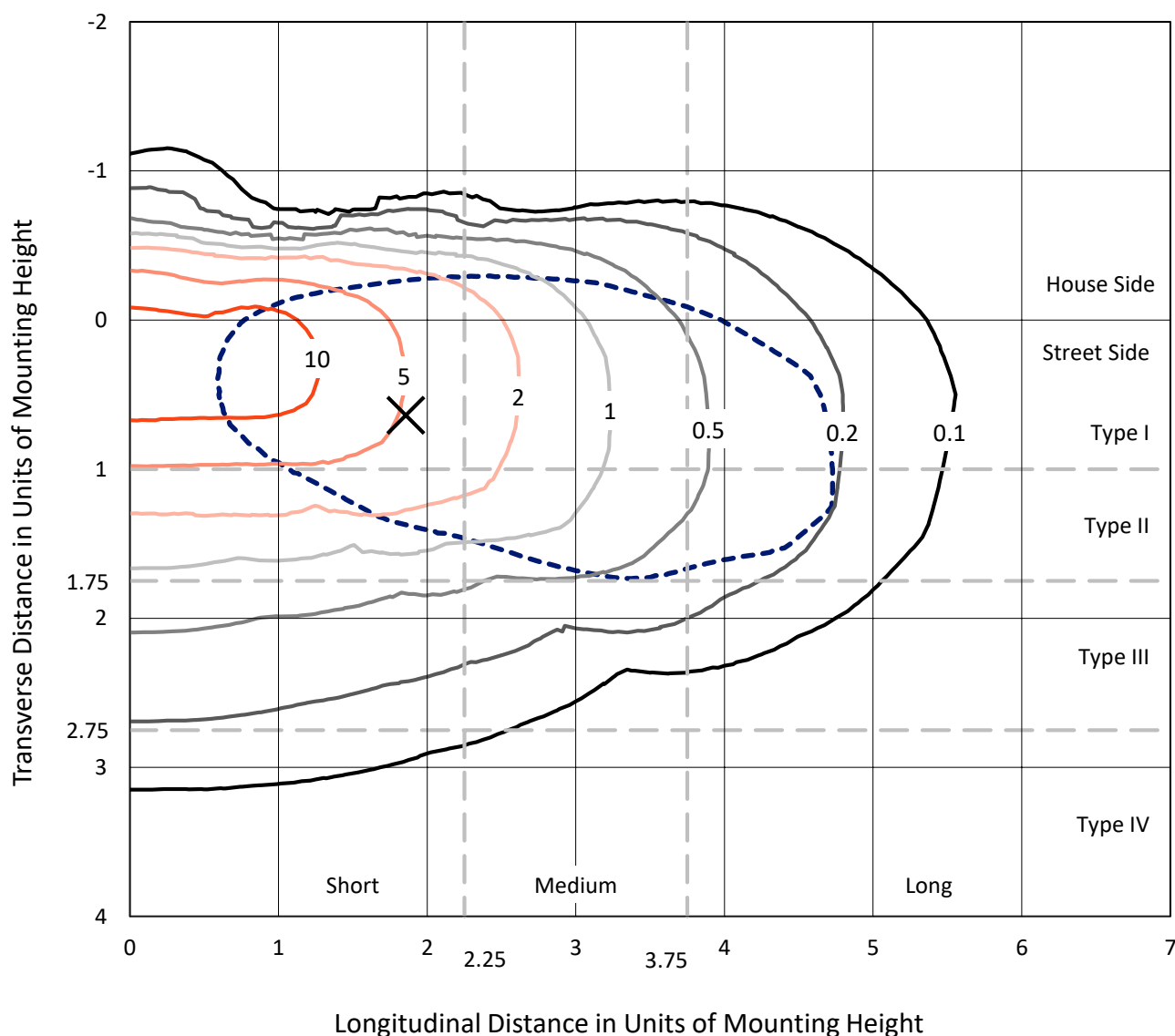
REPORT NUMBER: P287006

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

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

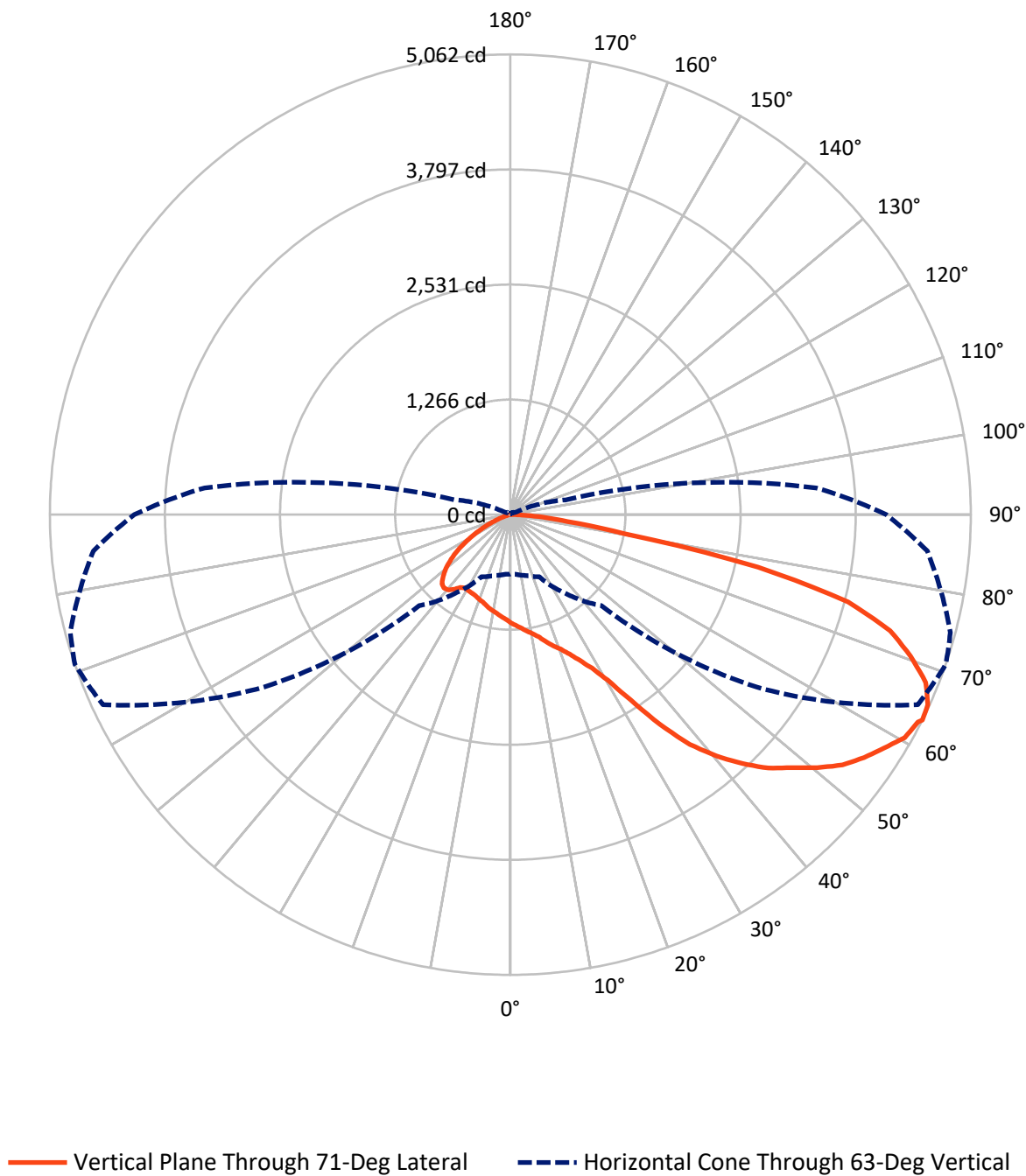


Based on 10 foot mounting height. Maximum calculated value = 15.9 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P287006

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

Luminous Intensity Polar Plot



REPORT NUMBER: P287006

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

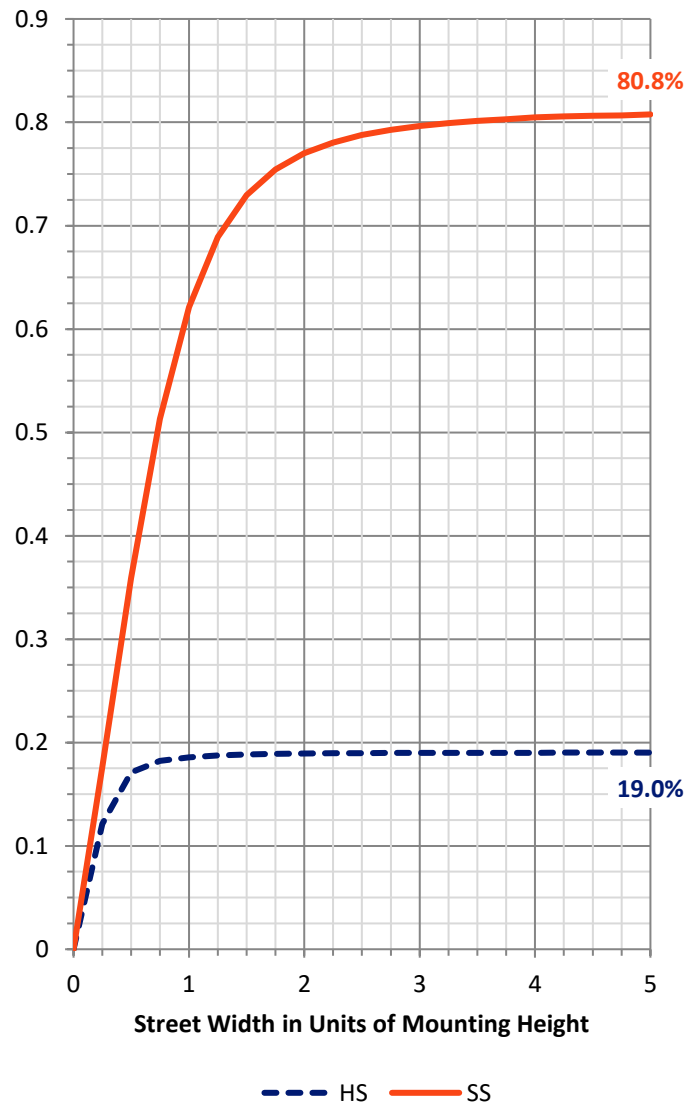
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1336.4	0.0	1336.4
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	5607.1	0.0	5607.1
	% Fixture	80.8	0.0	80.8
Total	Lumens	6943.4	0.0	6943.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.6	1.6
10°-20°	341.4	4.9
20°-30°	574.1	8.3
30°-40°	877.3	12.6
40°-50°	1222.2	17.6
50°-60°	1415.5	20.4
60°-70°	1401.8	20.2
70°-80°	869.0	12.5
80°-90°	128.7	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°	6943.4	100.0
0°-180°	6943.4	100.0

Coefficient of Utilization



REPORT NUMBER: P287006

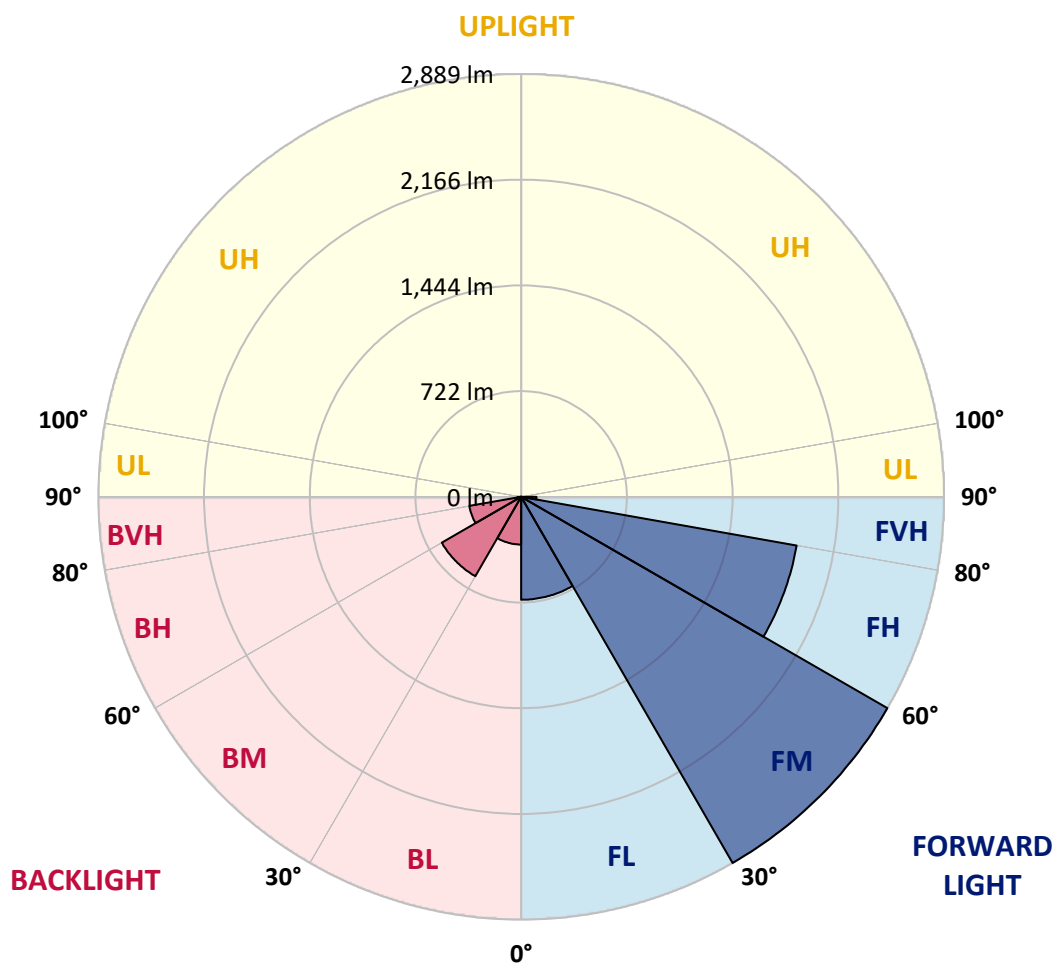
CATALOG NUMBER: USSL-C01-D-U-T2-AP-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	703.1	10.1			
FM	(30°-60°)	2888.5	41.6			
FH	(60°-80°)	1911.2	27.5			G2/5000
FVH	(80°-90°)	104.2	1.5			G2/225
BL	(0°-30°)	325.9	4.7	B1/500		
BM	(30°-60°)	626.4	9.0	B1/1000		
BH	(60°-80°)	359.6	5.2	B1/500		G1/500
BVH	(80°-90°)	24.4	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: P287006

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	1193.3	1193.3	1193.3	1193.3	1193.3	1193.3	1193.3	1193.3	1193.3	1193.3	1193.3
2.5°	1314.3	1301.7	1301.3	1285.6	1273.7	1267.1	1249.0	1233.2	1219.5	1218.0	1193.8
5°	1385.7	1382.7	1378.7	1354.0	1343.0	1328.3	1308.3	1277.8	1253.1	1246.9	1208.2
7.5°	1466.4	1464.1	1456.1	1433.9	1406.0	1388.7	1350.0	1319.4	1293.3	1279.9	1227.7
10°	1512.8	1512.5	1511.7	1493.3	1471.6	1446.1	1404.9	1360.0	1329.8	1315.8	1240.2
12.5°	1586.6	1576.6	1573.2	1550.7	1523.2	1504.7	1466.8	1418.5	1377.7	1353.0	1268.6
15°	1645.8	1646.2	1640.0	1619.6	1599.1	1569.6	1537.5	1489.3	1444.3	1425.5	1317.1
17.5°	1719.5	1712.9	1705.5	1684.2	1662.5	1631.5	1611.6	1553.0	1516.2	1474.9	1360.0
20°	1766.3	1754.9	1746.8	1733.1	1724.4	1699.7	1681.5	1629.6	1579.1	1543.7	1407.9
22.5°	1798.8	1810.5	1807.2	1785.1	1788.5	1781.1	1758.3	1723.2	1666.5	1608.3	1463.1
25°	1818.7	1816.0	1835.2	1849.6	1874.6	1873.2	1856.2	1825.7	1775.1	1712.5	1545.7
27.5°	1824.5	1824.5	1855.5	1896.1	1955.0	1967.8	1970.0	1968.2	1912.3	1855.5	1654.0
30°	1833.4	1843.4	1873.2	1923.6	2009.1	2060.3	2084.6	2125.5	2111.5	2062.1	1830.8
32.5°	1798.3	1799.5	1843.0	1940.3	2064.8	2171.2	2219.1	2363.9	2425.5	2448.3	2189.3
35°	1685.7	1697.0	1776.3	1910.4	2090.5	2266.7	2396.8	2695.9	2831.5	2834.5	2532.3
37.5°	1607.6	1618.6	1703.7	1867.2	2110.8	2362.8	2599.7	3068.7	3205.9	3172.0	2828.1
40°	1522.0	1540.5	1630.8	1809.0	2107.8	2457.2	2816.8	3398.9	3490.3	3445.7	3070.2
42.5°	1438.8	1441.7	1530.5	1728.4	2092.8	2533.8	3029.0	3642.8	3743.8	3686.3	3307.5
45°	1337.8	1351.1	1438.8	1621.1	2042.6	2581.0	3215.7	3910.3	3977.4	3913.3	3505.7
47.5°	1221.4	1238.4	1351.1	1522.0	1931.3	2588.0	3383.8	4150.9	4157.6	4106.7	3714.3
50°	943.2	953.9	1185.6	1424.4	1798.3	2560.0	3544.1	4331.1	4374.2	4307.9	3892.3
52.5°	854.1	862.9	927.7	1297.3	1620.4	2466.4	3656.0	4538.2	4573.2	4515.0	4066.2
55°	818.7	822.7	845.6	1051.5	1471.2	2300.2	3726.8	4692.9	4717.9	4645.8	4210.2
57.5°	756.8	760.5	809.1	896.8	1346.0	2025.4	3717.9	4845.4	4843.5	4762.9	4359.5
60°	710.0	717.8	759.0	824.6	1194.8	1694.5	3596.8	4962.2	4980.3	4906.2	4468.1
62.5°	665.8	668.7	703.8	767.0	1072.2	1453.1	3368.7	4951.5	5027.7	4972.8	4604.8
63°	653.2	658.7	693.4	755.0	1054.5	1415.2	3307.2	4943.1	5062.4	5008.7	4601.4
65°	614.5	615.3	649.2	707.4	970.1	1296.9	3102.6	4831.0	5044.4	5011.9	4658.6
67.5°	540.9	546.4	576.6	633.4	829.4	1146.6	2574.3	4756.6	4927.2	4944.1	4565.4
70°	459.0	462.4	499.6	555.3	697.1	972.7	1925.5	4497.3	4667.8	4688.8	4320.4
72.5°	359.9	361.8	402.3	467.2	570.3	803.2	1328.6	4045.1	4365.3	4365.3	3901.5
75°	113.1	133.8	281.8	376.6	461.0	621.5	872.8	3138.4	3836.9	3932.4	3340.3
77.5°	36.9	39.7	89.1	198.6	290.3	477.2	579.6	1668.3	2787.3	3049.7	2634.7
80°	26.5	30.9	55.2	148.8	182.7	203.0	359.2	909.3	1266.7	1660.2	1759.6
82.5°	13.7	17.7	39.0	94.6	103.9	102.4	159.5	430.0	632.7	764.2	913.0
85°	6.3	7.7	17.0	33.2	28.7	26.9	56.4	225.1	356.7	421.5	455.4
87.5°	1.5	2.2	6.3	11.8	7.4	5.9	6.7	71.4	130.0	162.2	167.7
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: P287006

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1193.3	1193.3	1193.3	1193.3	1193.3	1193.3	1193.3	1193.3	1193.3	1193.3	1193.3
2.5°	1183.5	1189.3	1161.3	1147.7	1124.4	1117.1	1105.7	1092.1	1087.7	1098.7	1091.4
5°	1193.8	1185.6	1145.1	1108.2	1077.3	1053.0	1034.6	1011.4	997.4	1000.7	1002.9
7.5°	1197.8	1179.8	1122.3	1077.0	1024.6	993.3	959.8	927.0	913.0	915.2	916.7
10°	1201.8	1174.6	1106.9	1040.1	977.9	929.5	891.3	847.8	826.8	827.6	834.6
12.5°	1225.8	1172.8	1093.9	1013.3	932.5	872.5	825.7	777.4	747.5	749.8	755.3
15°	1259.7	1188.6	1077.3	973.4	888.7	820.6	762.3	708.9	686.1	689.4	694.6
17.5°	1288.8	1206.3	1064.5	931.4	835.6	762.3	709.6	663.9	622.3	628.5	624.9
20°	1318.3	1231.4	1060.4	896.0	789.9	705.6	645.9	609.0	557.5	543.4	539.1
22.5°	1365.5	1259.4	1056.7	863.6	735.8	655.9	581.4	527.2	453.2	427.8	417.8
25°	1427.4	1299.5	1051.2	834.6	690.8	596.5	495.6	398.3	343.4	311.0	295.8
27.5°	1511.0	1357.0	1059.3	808.7	645.5	526.1	376.2	289.2	240.2	212.2	196.4
30°	1651.0	1432.1	1061.2	785.5	590.3	419.6	267.8	201.2	159.5	140.3	130.8
32.5°	1958.7	1660.2	1077.7	759.0	530.9	308.7	186.4	134.8	101.6	89.6	95.1
35°	2282.2	1940.3	1137.4	721.4	438.1	208.9	123.1	87.3	65.2	67.1	68.9
37.5°	2527.5	2157.6	1262.7	675.4	329.4	143.0	74.1	59.7	57.4	62.6	72.2
40°	2768.9	2373.9	1374.3	619.7	223.3	85.9	50.1	54.9	51.6	53.8	54.5
42.5°	2980.3	2546.3	1454.3	537.6	138.2	50.5	43.9	50.9	47.2	46.1	40.5
45°	3184.8	2695.5	1503.6	424.1	79.2	40.2	40.2	48.6	45.7	43.1	36.9
47.5°	3365.7	2862.5	1491.5	293.0	48.2	36.1	37.6	43.9	42.7	39.4	36.1
50°	3532.2	2983.3	1459.8	166.2	42.4	34.2	36.5	36.5	38.4	29.9	27.2
52.5°	3677.4	3090.5	1357.7	88.8	39.4	32.8	32.8	29.1	30.9	22.9	21.7
55°	3826.7	3202.9	1214.0	69.6	37.6	32.8	29.1	25.4	23.2	16.5	17.7
57.5°	3949.4	3285.8	1028.0	62.6	38.7	31.3	26.5	22.2	18.4	12.9	12.5
60°	4062.8	3354.3	847.4	55.6	41.7	31.7	22.2	18.4	12.9	10.3	9.2
62.5°	4131.4	3369.7	657.3	50.5	41.7	29.1	19.9	15.5	10.0	7.0	6.7
63°	4133.6	3374.6	627.5	50.1	42.4	29.1	19.9	15.2	9.2	6.7	6.3
65°	4166.0	3274.8	495.2	49.0	43.1	27.7	18.8	12.2	7.7	5.2	4.8
67.5°	4042.2	3082.4	325.7	48.2	43.1	26.9	16.5	10.3	6.7	4.0	3.3
70°	3715.1	2753.4	199.4	46.4	43.9	26.5	20.7	8.8	5.9	3.0	2.5
72.5°	3264.1	2432.2	114.6	41.2	43.1	21.7	11.8	7.7	5.2	2.2	1.8
75°	2762.9	1955.0	72.2	32.0	33.5	18.0	10.0	7.0	4.5	1.1	1.1
77.5°	2099.3	1406.7	61.9	24.7	19.9	15.8	8.5	5.5	3.0	0.3	0.3
80°	1482.6	994.1	44.6	15.5	11.0	10.0	6.3	3.7	1.1	0.0	0.0
82.5°	834.6	543.1	24.3	5.5	3.3	3.7	3.0	1.5	0.0	0.0	0.0
85°	393.5	212.2	12.2	3.7	1.8	1.5	0.3	0.0	0.0	0.0	0.0
87.5°	146.3	51.2	3.0	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)