

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1461478

Luminaire Tested: USSL-70-8540-U-T2U

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461478
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-70-8540-U-T2U
Description: USSL DISCRETE LED 1 SQUARE 70W 85CRI 4000k FIXTURE w/ TYPE II URBAN DISTRIBUTION OPTIC
Light Source: (40) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10414.3 lumens
Efficiency: N/A
Efficacy: 142.7 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 73
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.98
Total Harmonic Distortion (THDi): 2.73%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

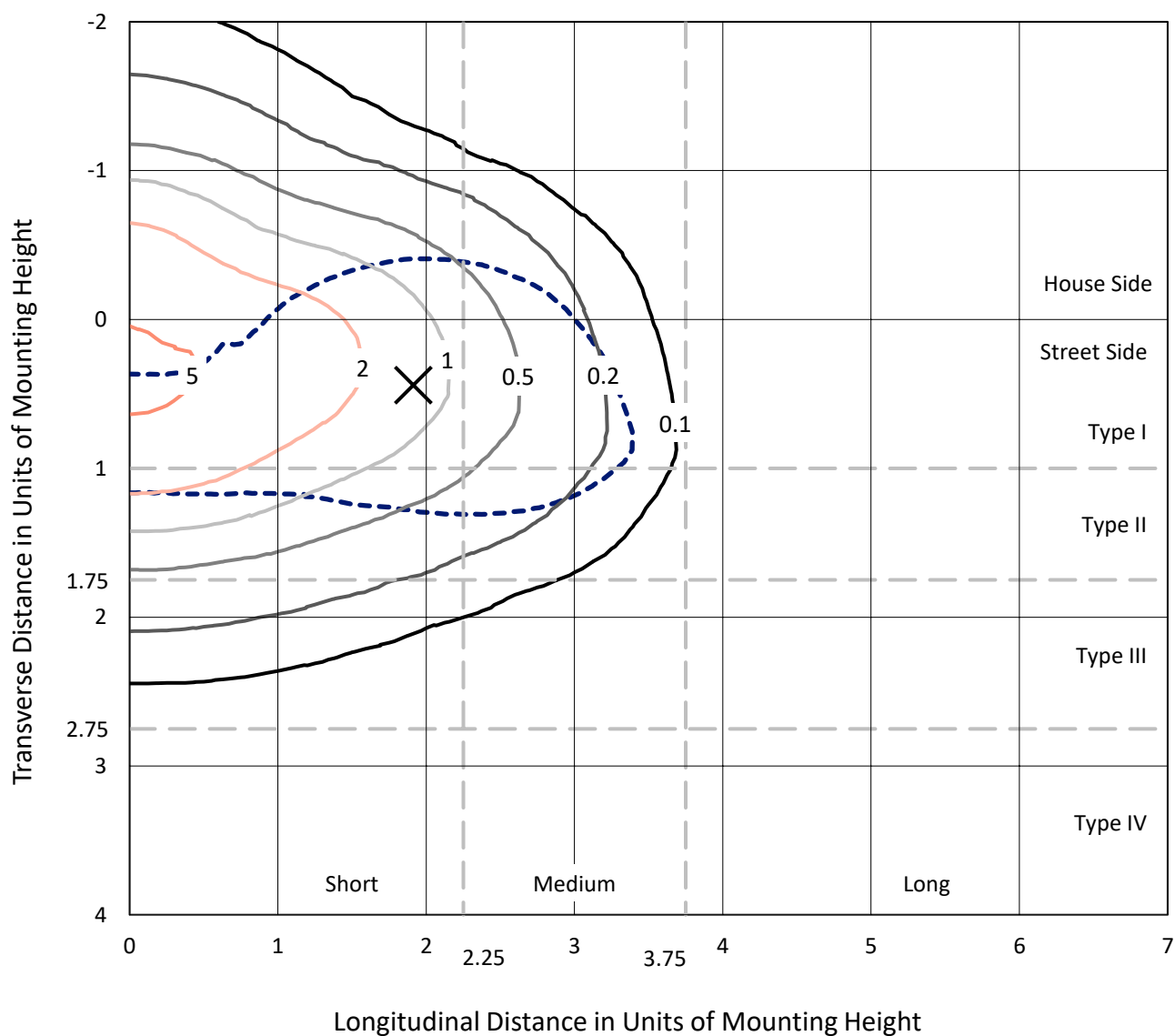
REPORT NUMBER: P1461478

CATALOG NUMBER: USSL-70-8540-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

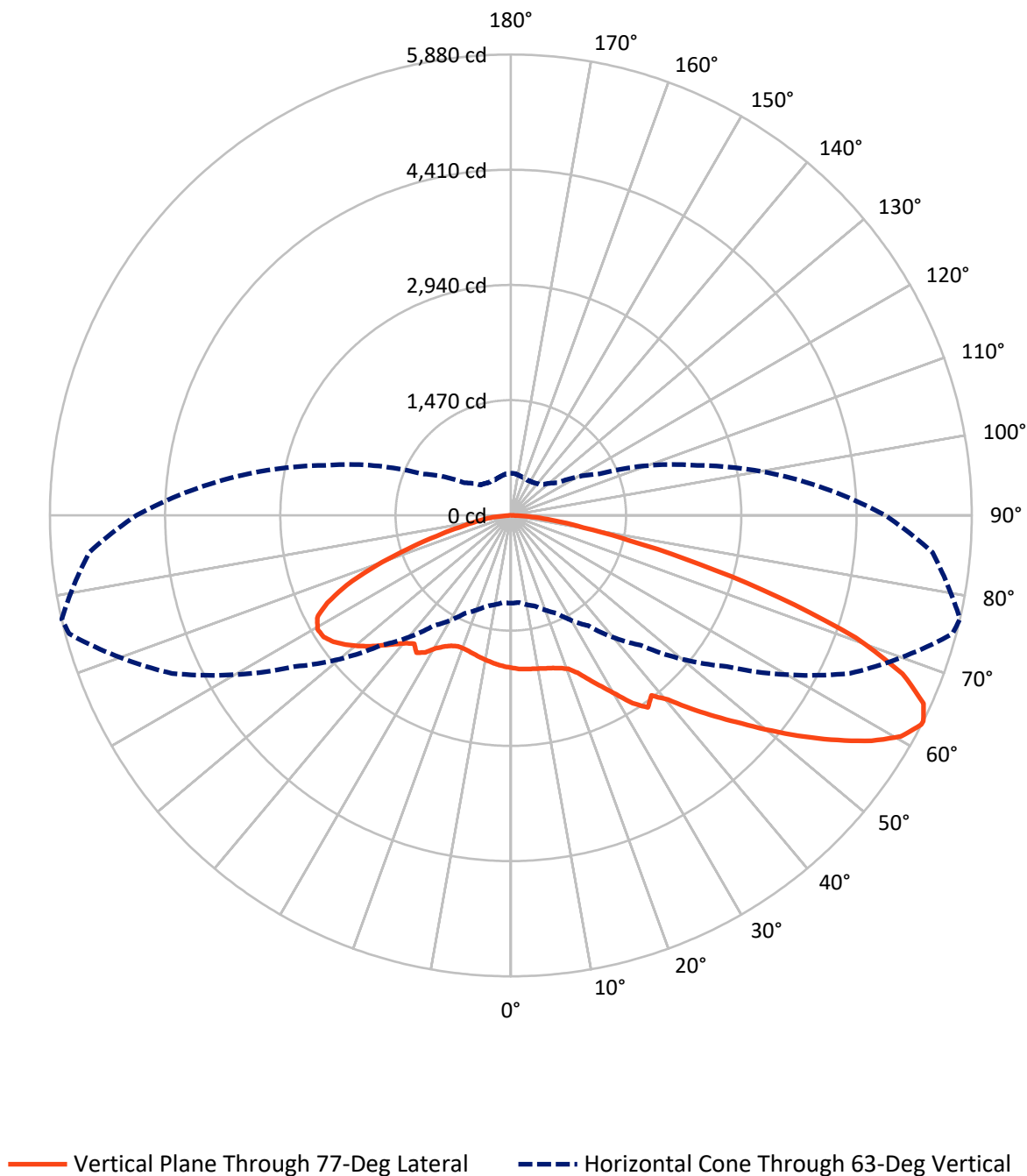


Based on 20 foot mounting height. Maximum calculated value = 6 fc
Type II - Short - N/A

REPORT NUMBER: P1461478

CATALOG NUMBER: USSL-70-8540-U-T2U

Luminous Intensity Polar Plot



REPORT NUMBER: P1461478

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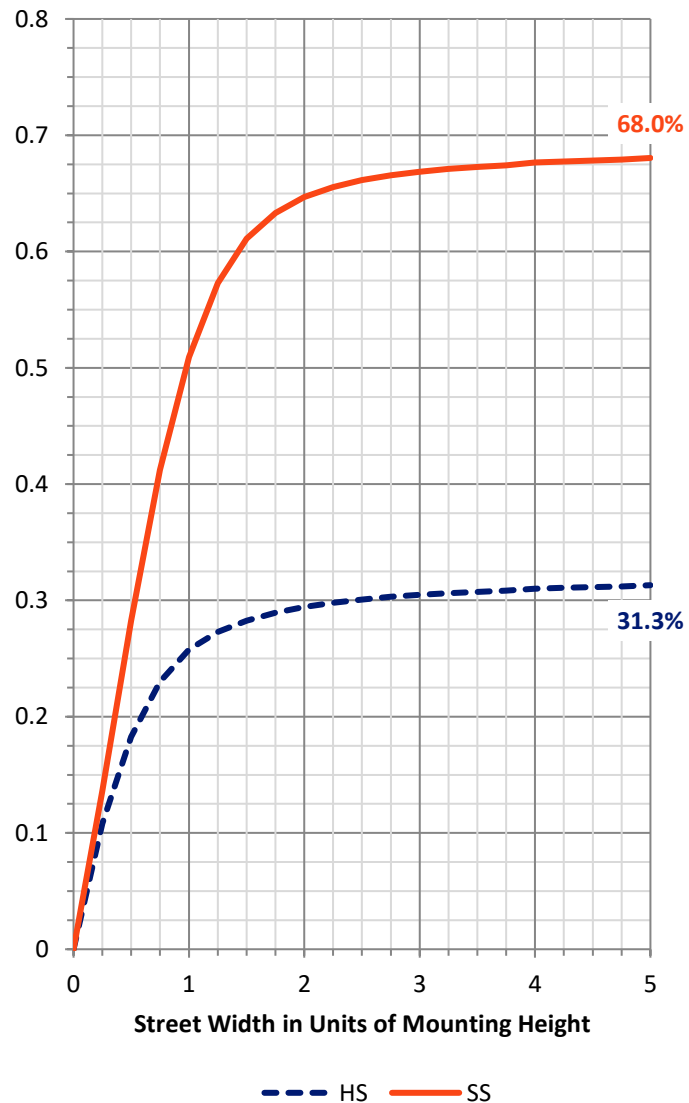
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3303.1	0.0	3303.1
	% Fixture	31.7	0.0	31.7
Street Side	Lumens	7111.2	0.0	7111.2
	% Fixture	68.3	0.0	68.3
Total	Lumens	10414.3	0.0	10414.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.9	1.8
10°-20°	570.3	5.5
20°-30°	1012.5	9.7
30°-40°	1508.5	14.5
40°-50°	1933.6	18.6
50°-60°	2172.2	20.9
60°-70°	1918.1	18.4
70°-80°	917.0	8.8
80°-90°	196.1	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°	10414.3	100.0
0°-180°	10414.3	100.0

Coefficient of Utilization



REPORT NUMBER: P1461478

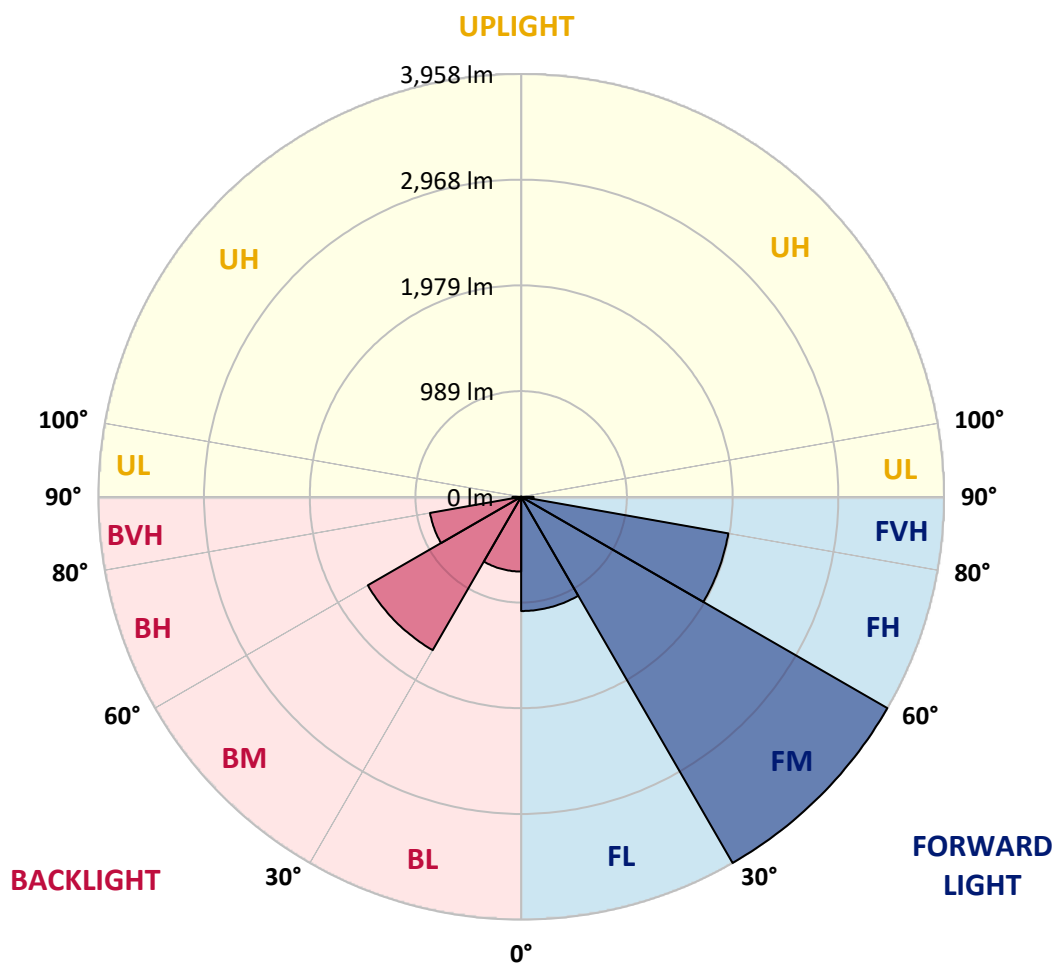
CATALOG NUMBER: USSL-70-8540-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1069.0	10.3			
FM	(30°-60°)	3957.8	38.0			
FH	(60°-80°)	1969.1	18.9			G2/5000
FVH	(80°-90°)	115.3	1.1			G2/225
BL	(0°-30°)	699.7	6.7	B2/1000		
BM	(30°-60°)	1656.5	15.9	B2/2500		
BH	(60°-80°)	866.0	8.3	B2/1000		G2/1000
BVH	(80°-90°)	80.8	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



REPORT NUMBER: P1461478

CATALOG NUMBER: USSL-70-8540-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3
2.5°	1991.3	2000.0	1991.8	1990.8	1987.4	1977.7	1978.2	1965.6	1956.4	1960.8	1948.7
5°	2066.3	2067.3	2062.9	2055.7	2043.1	2023.7	2006.3	1987.9	1966.1	1968.1	1949.2
7.5°	2166.0	2168.5	2152.0	2137.5	2112.3	2077.0	2047.0	2008.2	1975.3	1976.3	1945.3
10°	2276.9	2279.3	2265.3	2240.1	2199.4	2147.6	2092.0	2039.7	1989.4	1986.9	1941.9
12.5°	2402.2	2405.1	2394.5	2350.9	2297.7	2226.5	2152.5	2075.0	2008.7	2001.9	1947.3
15°	2542.6	2547.9	2522.3	2479.2	2410.0	2315.1	2220.2	2119.6	2031.0	2020.3	1952.6
17.5°	2745.4	2728.0	2709.6	2650.5	2546.5	2429.3	2295.8	2173.3	2060.0	2048.4	1961.8
20°	2951.1	2952.6	2933.7	2896.9	2770.1	2619.1	2414.8	2251.2	2106.0	2090.0	1990.8
22.5°	2935.6	2936.1	2944.8	2961.8	2947.7	2868.4	2681.0	2426.0	2210.6	2179.6	2047.0
25°	2986.9	2995.7	2989.9	2977.3	2915.8	2874.7	2834.0	2644.7	2364.5	2322.4	2152.5
27.5°	3108.9	3123.4	3114.2	3103.1	3032.9	2954.5	2835.4	2742.0	2521.8	2471.0	2271.1
30°	3240.1	3245.4	3232.4	3214.9	3164.1	3095.9	2982.6	2819.0	2682.5	2647.2	2439.5
32.5°	3338.4	3339.8	3333.5	3337.4	3285.6	3239.6	3160.2	2996.1	2868.4	2856.3	2716.4
35°	3411.0	3426.9	3422.1	3439.0	3408.1	3384.8	3342.2	3261.4	3058.1	3010.2	2797.2
37.5°	3482.1	3500.0	3514.5	3523.3	3494.2	3491.8	3484.0	3353.4	2978.7	2913.9	2670.9
40°	3504.4	3514.5	3575.0	3609.9	3565.4	3562.9	3547.0	3381.4	3133.6	3089.1	2841.3
42.5°	3481.1	3479.2	3551.3	3578.0	3602.2	3626.8	3657.8	3594.9	3395.0	3368.4	3097.8
45°	3334.0	3311.7	3350.5	3488.4	3572.1	3667.5	3798.7	3827.2	3696.5	3657.8	3380.0
47.5°	3145.7	3131.2	3179.6	3342.7	3491.3	3681.0	3911.4	4079.4	4000.0	3963.7	3705.7
50°	2849.5	2866.4	2967.1	3146.2	3359.7	3659.8	4002.4	4322.9	4345.6	4319.0	4033.9
52.5°	2462.3	2474.4	2689.3	2918.7	3178.1	3523.7	4042.1	4574.1	4705.3	4690.3	4369.3
55°	2047.4	2083.7	2238.2	2592.5	2904.2	3353.8	4014.5	4776.9	5085.2	5059.6	4721.7
57.5°	1694.6	1732.3	1838.8	2159.7	2580.4	3096.8	3911.9	4920.7	5424.5	5426.9	5050.9
60°	1377.1	1410.5	1488.9	1747.8	2200.4	2790.4	3706.7	4949.7	5698.5	5721.2	5289.5
62.5°	1153.4	1167.0	1241.1	1426.0	1818.5	2424.0	3419.2	4818.5	5833.5	5878.1	5398.9
63°	1120.5	1114.2	1197.5	1374.6	1717.3	2342.7	3359.7	4768.2	5834.0	5880.0	5398.4
65°	951.1	960.3	1014.0	1164.1	1445.8	2003.4	3017.9	4503.4	5719.3	5785.6	5276.9
67.5°	745.9	754.6	828.2	950.2	1150.5	1624.4	2567.3	4035.8	5330.6	5390.2	4864.0
70°	591.5	595.4	642.3	753.2	934.7	1265.7	2017.4	3382.4	4619.6	4666.1	4120.5
72.5°	479.7	492.3	523.2	590.5	708.1	961.8	1522.3	2667.5	3647.7	3578.0	3029.5
75°	402.2	406.1	437.1	470.5	531.5	692.6	1098.3	1966.6	2486.9	2481.6	1974.4
77.5°	339.8	347.5	354.8	370.8	405.6	492.7	771.5	1365.9	1583.7	1556.6	1138.4
80°	286.5	289.5	286.5	289.5	302.5	333.5	501.0	894.5	1009.7	939.0	692.6
82.5°	199.9	214.4	216.4	226.0	230.9	244.0	334.9	582.8	642.8	577.9	408.0
85°	118.6	117.1	122.9	139.4	155.4	153.9	212.5	291.4	346.6	322.4	196.0
87.5°	42.1	39.7	39.7	48.9	52.8	57.1	69.7	91.0	86.2	86.6	48.9
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: P1461478

CATALOG NUMBER: USSL-70-8540-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3	1944.3
2.5°	1942.4	1934.2	1930.3	1923.5	1912.9	1907.1	1901.8	1894.5	1892.1	1885.8	1884.8
5°	1935.6	1927.4	1911.4	1894.0	1879.5	1868.4	1848.0	1835.9	1824.8	1822.9	1825.8
7.5°	1925.0	1914.8	1889.7	1864.5	1835.9	1817.0	1790.9	1774.0	1764.3	1762.4	1766.2
10°	1920.6	1902.2	1865.5	1829.6	1793.8	1764.3	1735.7	1714.4	1700.4	1698.5	1694.1
12.5°	1916.3	1893.0	1842.7	1797.7	1746.4	1712.0	1681.0	1663.6	1649.1	1647.2	1646.2
15°	1914.3	1884.8	1819.5	1759.0	1702.3	1661.2	1630.2	1616.2	1611.8	1608.9	1610.4
17.5°	1917.2	1879.0	1799.1	1719.8	1654.9	1613.3	1589.1	1579.9	1578.4	1579.4	1582.8
20°	1932.7	1883.4	1782.2	1686.8	1613.3	1570.7	1552.8	1547.9	1547.9	1553.3	1556.6
22.5°	1967.6	1906.6	1773.5	1660.2	1578.4	1538.7	1517.9	1512.1	1518.4	1528.1	1530.5
25°	2059.5	1973.9	1790.9	1645.2	1551.3	1503.9	1481.6	1480.6	1487.4	1496.1	1497.1
27.5°	2164.6	2058.1	1831.6	1642.8	1526.1	1468.1	1444.3	1441.4	1444.8	1453.5	1453.5
30°	2308.8	2170.4	1893.0	1660.2	1508.7	1428.9	1400.8	1391.6	1395.5	1406.6	1403.2
32.5°	2537.3	2349.5	1988.4	1690.7	1492.7	1389.7	1352.4	1344.6	1344.6	1353.3	1357.2
35°	2647.6	2482.1	2036.3	1679.1	1456.9	1344.2	1299.6	1288.5	1303.0	1319.5	1321.9
37.5°	2535.3	2366.4	1969.0	1628.3	1406.1	1290.4	1247.8	1238.6	1251.2	1267.2	1269.1
40°	2669.9	2473.9	2020.8	1629.7	1374.2	1240.1	1190.2	1160.7	1162.6	1175.2	1172.3
42.5°	2896.0	2657.8	2097.3	1636.5	1335.4	1185.4	1111.3	1060.0	1052.8	1054.7	1057.6
45°	3154.9	2865.0	2187.8	1638.0	1286.1	1118.1	1014.5	951.1	933.2	922.6	919.7
47.5°	3431.8	3086.7	2286.6	1634.6	1222.7	1031.5	916.3	852.9	818.5	802.5	804.0
50°	3731.9	3316.1	2374.7	1618.6	1154.9	939.5	823.3	761.4	722.7	713.5	709.1
52.5°	4016.0	3541.2	2459.4	1595.4	1078.9	845.6	735.7	682.5	650.1	641.3	639.4
55°	4316.6	3764.8	2530.5	1555.2	993.2	757.0	658.8	622.9	600.2	594.4	595.4
57.5°	4574.1	3961.8	2568.7	1496.6	910.9	678.6	602.6	578.9	564.9	567.8	569.7
60°	4765.8	4061.0	2561.0	1412.4	827.2	614.7	556.6	544.0	544.0	567.8	575.0
62.5°	4795.3	4041.2	2483.1	1291.4	736.2	561.0	516.9	504.8	516.9	546.0	551.8
63°	4777.9	4008.3	2462.7	1252.2	722.2	549.4	508.2	496.6	513.1	536.3	536.3
65°	4606.0	3833.0	2282.2	1121.5	648.1	511.1	477.7	471.9	494.7	510.2	512.6
67.5°	4185.4	3474.4	1973.4	928.4	570.7	467.6	437.6	447.7	464.7	476.8	480.6
70°	3517.9	2878.0	1578.9	746.9	497.6	422.1	405.1	411.4	426.9	437.6	441.4
72.5°	2560.0	2168.9	1184.4	596.3	433.2	378.0	368.8	368.3	378.5	382.4	388.2
75°	1659.7	1451.6	865.0	481.1	369.8	333.0	322.8	319.9	339.3	347.0	354.8
77.5°	989.4	899.3	617.6	395.5	315.1	273.5	279.3	279.3	299.1	323.3	334.5
80°	598.3	549.9	457.9	328.2	247.8	223.6	229.4	232.8	281.2	327.7	332.0
82.5°	360.6	354.3	339.8	254.1	192.2	170.9	182.5	204.7	264.8	202.8	233.8
85°	177.6	191.2	218.3	141.8	119.6	116.7	122.5	181.0	175.2	80.8	76.0
87.5°	45.5	54.2	51.3	37.8	32.4	30.0	40.7	67.8	55.7	19.4	11.6
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)