

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: P1461686

Luminaire Tested: USSL-70-8540-U-T3R

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461686
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-70-8540-U-T3R
Description: USSL DISCRETE LED 1 SQUARE 70W 85CRI 4000k FIXTURE w/ TYPE III DISTRIBUTION OPTIC
Light Source: (40) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10414.2 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 III - 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

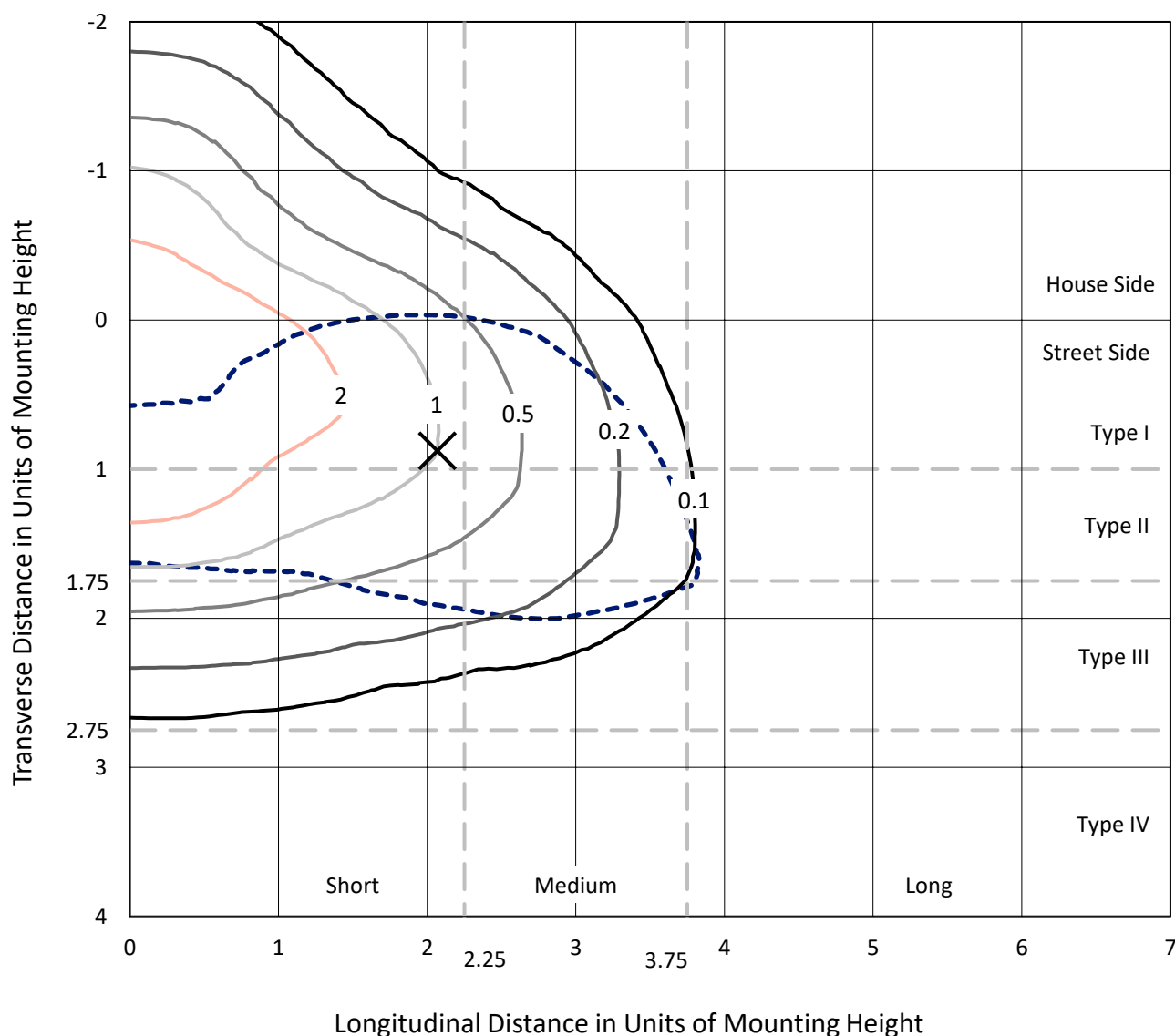
REPORT NUMBER: P1461686

CATALOG NUMBER: USSL-70-8540-U-T3R

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



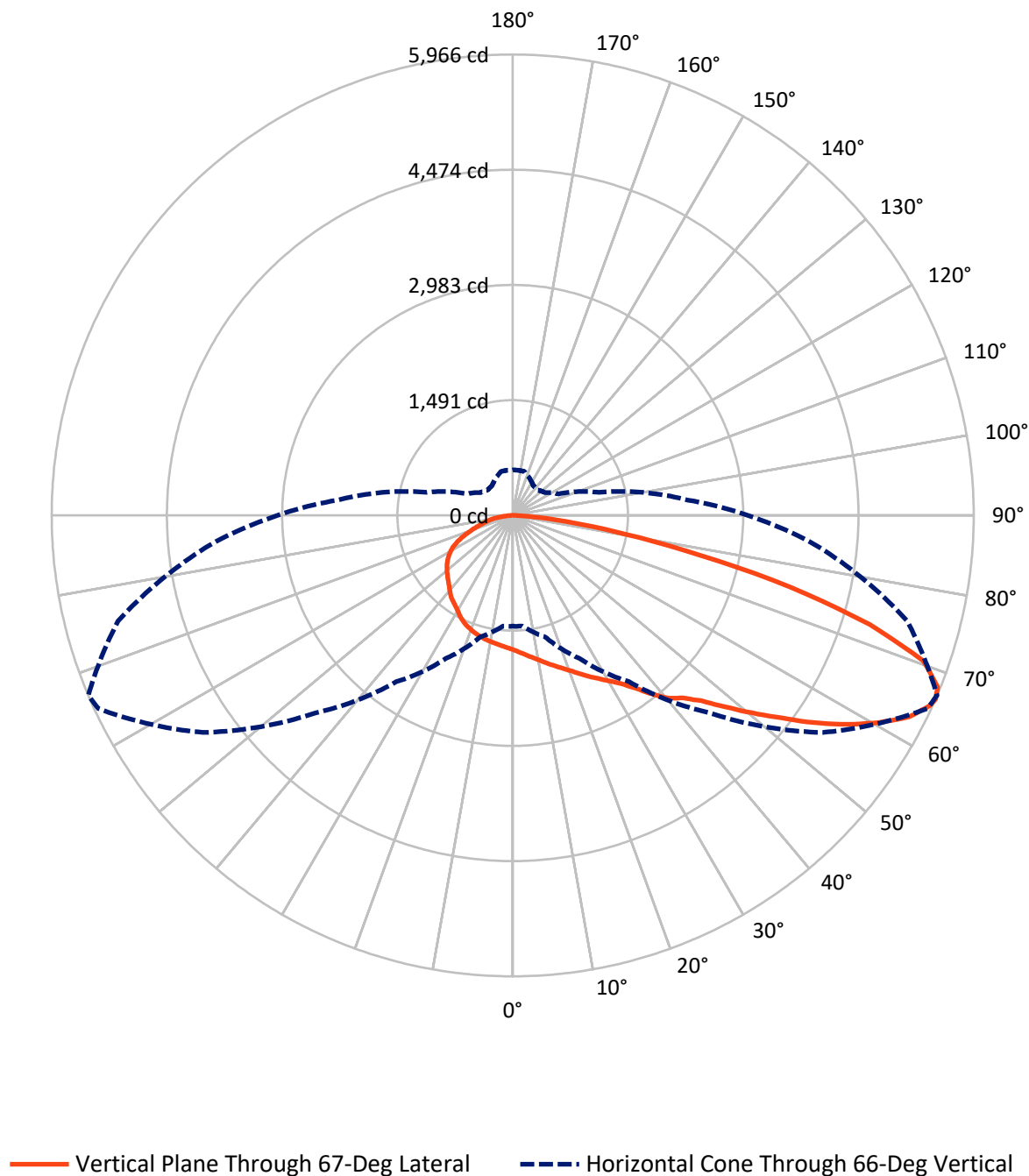
Based on 20 foot mounting height. Maximum calculated value = 5 fc

Type III - Short - N/A

REPORT NUMBER: P1461686

CATALOG NUMBER: USSL-70-8540-U-T3R

Luminous Intensity Polar Plot



REPORT NUMBER: P1461686

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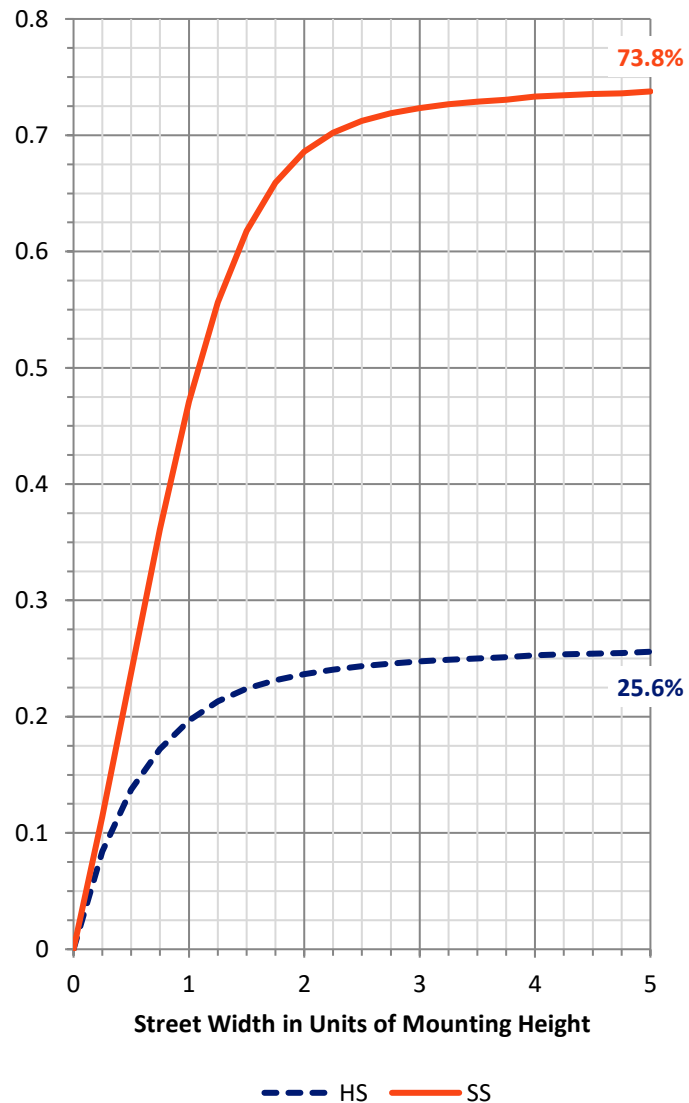
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2699.0	0.0	2699.0
	% Fixture	25.9	0.0	25.9
Street Side	Lumens	7715.2	0.0	7715.2
	% Fixture	74.1	0.0	74.1
Total	Lumens	10414.2	0.0	10414.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.7	1.6
10°-20°	504.7	4.8
20°-30°	859.1	8.2
30°-40°	1343.0	12.9
40°-50°	1857.1	17.8
50°-60°	2227.0	21.4
60°-70°	2149.0	20.6
70°-80°	1109.1	10.6
80°-90°	197.5	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°	10414.2	100.0
0°-180°	10414.2	100.0

Coefficient of Utilization



REPORT NUMBER: P1461686

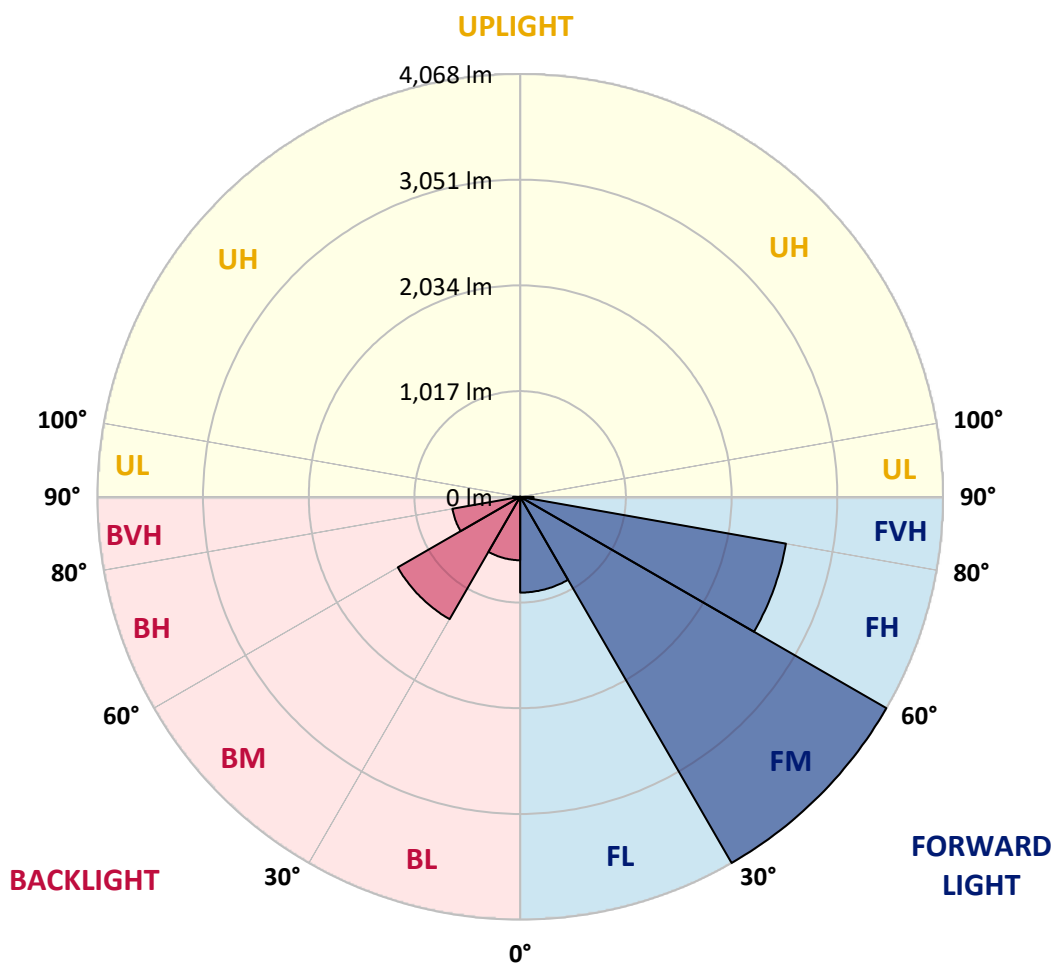
CATALOG NUMBER: USSL-70-8540-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	921.6	8.8			
FM	(30°-60°)	4068.2	39.1			
FH	(60°-80°)	2596.4	24.9			G2/5000
FVH	(80°-90°)	129.0	1.2			G2/225
BL	(0°-30°)	609.9	5.9	B2/1000		
BM	(30°-60°)	1358.9	13.0	B2/2500		
BH	(60°-80°)	661.7	6.4	B2/1000		G2/1000
BVH	(80°-90°)	68.5	0.7			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 III Short



REPORT NUMBER: P1461686

CATALOG NUMBER: USSL-70-8540-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4
2.5°	1811.1	1812.5	1813.5	1810.6	1801.4	1795.1	1790.3	1774.8	1775.3	1765.6	1747.7
5°	1880.3	1887.5	1885.6	1880.3	1869.2	1853.7	1836.7	1812.0	1814.0	1793.2	1762.2
7.5°	1946.1	1955.3	1951.9	1947.6	1935.0	1915.1	1895.3	1859.5	1858.0	1826.6	1779.6
10°	1998.4	2008.1	2008.1	2005.2	1999.8	1977.1	1951.4	1912.7	1905.0	1860.9	1804.8
12.5°	2041.4	2050.2	2056.0	2053.5	2055.5	2040.0	2011.9	1969.8	1962.1	1903.5	1832.9
15°	2067.1	2083.6	2087.9	2095.7	2105.8	2099.5	2080.2	2023.5	2018.7	1952.9	1862.4
17.5°	2093.2	2102.4	2113.1	2132.4	2148.9	2158.6	2139.2	2091.8	2079.2	1999.8	1893.3
20°	2123.7	2140.7	2152.3	2172.6	2195.8	2219.6	2215.2	2159.1	2146.5	2058.4	1931.1
22.5°	2204.6	2216.7	2222.0	2236.0	2263.6	2287.3	2290.2	2240.9	2225.4	2129.5	1976.1
25°	2367.2	2380.7	2360.4	2344.9	2337.2	2358.0	2372.5	2327.0	2310.1	2200.2	2020.2
27.5°	2656.6	2656.1	2597.1	2534.1	2466.9	2442.2	2452.4	2413.6	2395.2	2268.9	2071.5
30°	2985.2	3001.2	2951.3	2798.9	2640.6	2540.9	2547.2	2503.7	2489.6	2352.2	2131.0
32.5°	3328.8	3338.0	3278.5	3131.9	2876.8	2693.4	2656.1	2619.8	2599.5	2463.0	2207.9
35°	3495.8	3514.2	3482.3	3341.9	3084.9	2880.2	2816.3	2777.6	2750.0	2594.2	2307.2
37.5°	3711.7	3738.3	3732.0	3532.6	3214.6	3029.7	2984.7	2947.0	2934.9	2758.2	2433.0
40°	4029.7	4028.7	4042.7	3724.3	3352.6	3133.3	3134.8	3136.2	3112.5	2893.3	2526.4
42.5°	4183.6	4179.2	4132.3	3830.3	3513.2	3235.4	3253.8	3251.9	3227.2	2995.9	2600.5
45°	4230.5	4225.2	4113.4	3911.6	3764.9	3350.6	3403.4	3443.1	3422.7	3182.7	2748.1
47.5°	4197.6	4187.0	4125.5	3960.0	3902.9	3553.4	3574.7	3704.4	3700.6	3415.5	2919.4
50°	4115.8	4086.3	4067.9	3977.4	3862.7	3643.9	3786.7	4027.2	4018.0	3701.0	3102.3
52.5°	3935.3	3931.4	3954.6	3895.1	3779.4	3684.6	4018.5	4351.0	4353.0	3991.4	3286.7
55°	3710.7	3696.7	3769.8	3764.9	3692.3	3765.4	4246.5	4722.7	4736.3	4291.5	3484.7
57.5°	3171.6	3187.5	3499.7	3587.3	3601.3	3848.2	4489.9	5073.6	5101.7	4595.4	3654.1
60°	2644.5	2675.5	2900.0	3295.5	3459.0	3891.2	4717.9	5430.8	5442.4	4899.9	3808.0
62.5°	2192.5	2183.3	2388.5	2834.7	3230.1	3874.3	4879.1	5707.2	5749.3	5142.3	3896.1
65°	1626.2	1648.0	1870.6	2266.0	2842.4	3714.1	4929.9	5898.3	5933.2	5276.9	3892.7
66°	1434.0	1437.9	1629.1	2041.4	2626.6	3614.9	4897.4	5916.2	5965.6	5286.6	3851.6
67.5°	1185.3	1190.6	1342.6	1679.9	2286.3	3399.0	4773.5	5883.3	5930.8	5232.8	3722.3
70°	841.7	870.2	951.5	1178.5	1611.7	2765.0	4375.2	5527.1	5635.5	4892.1	3345.3
72.5°	609.3	617.1	682.9	800.5	1013.0	1843.5	3620.7	4760.0	4829.7	4091.1	2666.8
75°	434.6	444.3	500.0	546.9	670.3	1137.4	2553.0	3728.6	3712.2	2927.1	1816.9
77.5°	337.8	345.1	365.4	390.6	450.1	650.5	1536.7	2519.6	2483.8	1834.8	1132.5
80°	274.4	276.4	270.1	280.2	310.2	409.9	879.4	1504.7	1472.8	1035.2	685.8
82.5°	213.9	216.3	211.5	204.7	219.7	276.8	513.5	795.7	791.3	600.1	371.7
85°	137.0	142.3	136.5	126.8	137.0	168.4	270.5	339.3	326.2	271.5	141.3
87.5°	76.5	75.5	69.2	55.7	48.4	61.0	75.5	76.0	73.1	63.9	38.7
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: P1461686

CATALOG NUMBER: USSL-70-8540-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4	1740.4
2.5°	1743.8	1740.4	1726.4	1713.8	1700.7	1693.0	1681.4	1676.0	1669.7	1664.4	1659.6
5°	1753.5	1741.9	1715.2	1690.6	1666.8	1651.4	1630.5	1620.4	1608.8	1604.4	1598.6
7.5°	1765.1	1742.8	1707.0	1668.8	1636.8	1608.3	1581.7	1565.7	1552.6	1548.8	1548.3
10°	1780.1	1753.0	1699.8	1649.9	1605.4	1566.7	1532.8	1508.6	1494.1	1488.7	1486.3
12.5°	1798.0	1762.2	1694.9	1631.5	1573.4	1526.0	1483.9	1453.4	1439.4	1430.7	1431.6
15°	1819.3	1773.8	1689.6	1610.2	1536.7	1480.0	1428.7	1393.9	1377.4	1371.1	1370.2
17.5°	1841.6	1784.5	1683.8	1585.1	1496.0	1426.3	1372.6	1333.4	1312.6	1311.1	1315.0
20°	1867.2	1800.4	1677.0	1556.5	1453.4	1373.5	1314.0	1279.7	1258.8	1256.9	1264.7
22.5°	1897.2	1815.9	1666.8	1523.6	1406.0	1318.9	1260.3	1227.4	1210.9	1212.9	1219.2
25°	1931.1	1832.9	1653.8	1486.8	1353.2	1261.7	1207.5	1184.3	1174.1	1178.0	1186.7
27.5°	1964.5	1851.7	1633.9	1441.3	1296.6	1209.5	1170.8	1153.8	1150.9	1158.2	1168.3
30°	2005.6	1870.1	1610.2	1387.6	1235.6	1164.0	1136.4	1132.5	1135.4	1141.7	1153.3
32.5°	2062.7	1907.4	1593.8	1338.2	1181.9	1119.0	1114.1	1120.4	1128.2	1136.4	1149.5
35°	2139.7	1954.8	1589.4	1297.6	1133.0	1083.2	1095.3	1120.4	1133.5	1143.2	1155.8
37.5°	2236.5	2012.9	1583.1	1259.8	1087.0	1047.3	1082.2	1127.2	1144.6	1149.5	1159.1
40°	2290.7	2029.8	1538.1	1210.4	1043.0	1015.9	1068.6	1128.7	1143.7	1150.9	1159.1
42.5°	2340.6	2038.1	1496.0	1160.6	1008.6	983.5	1045.4	1111.2	1135.9	1167.4	1178.0
45°	2436.9	2091.8	1479.1	1116.1	972.8	947.2	1000.4	1070.1	1132.5	1167.4	1176.1
47.5°	2561.7	2151.8	1462.6	1074.9	932.6	898.3	931.7	1039.1	1108.8	1135.4	1138.8
50°	2691.4	2205.5	1440.8	1035.7	882.8	832.0	873.6	994.1	1068.2	1080.7	1083.6
52.5°	2808.6	2254.9	1419.5	994.6	830.5	766.6	813.6	931.2	998.0	1001.4	1008.6
55°	2925.7	2302.3	1393.4	951.5	768.1	699.4	745.3	848.9	901.7	896.3	896.3
57.5°	3017.6	2344.9	1369.7	898.3	709.5	641.3	674.7	756.0	805.8	801.0	796.6
60°	3095.1	2372.5	1341.6	836.3	650.5	585.1	605.9	678.1	726.5	715.8	715.8
62.5°	3126.1	2373.0	1295.6	770.5	590.0	530.9	544.5	608.9	663.5	657.3	661.1
65°	3090.7	2328.0	1199.8	689.7	532.9	479.1	490.3	545.5	609.8	607.9	611.8
66°	3041.8	2275.7	1148.5	656.8	512.5	463.2	467.0	523.7	587.6	588.5	588.0
67.5°	2935.4	2181.8	1056.5	609.8	479.6	432.7	437.5	494.1	557.6	552.7	554.6
70°	2662.4	1877.4	867.8	526.6	430.3	383.3	391.1	449.6	496.6	491.7	490.8
72.5°	2128.1	1416.6	700.8	449.6	380.4	339.8	351.4	392.0	450.1	447.7	449.1
75°	1411.3	925.9	551.3	378.5	328.1	305.4	306.4	341.2	397.4	404.6	409.0
77.5°	878.9	633.5	443.3	318.0	275.4	255.5	257.5	294.3	340.2	343.6	347.5
80°	563.8	467.0	349.4	258.0	210.5	206.2	212.5	246.3	284.6	287.5	285.6
82.5°	340.2	302.5	261.4	184.4	162.6	162.6	171.3	197.9	212.0	164.6	153.9
85°	135.5	157.3	142.3	101.6	104.5	107.0	112.3	134.1	141.3	74.5	58.6
87.5°	31.5	43.1	42.1	29.5	32.4	35.3	34.8	56.6	70.7	31.9	18.4
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)