

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: P286964

Luminaire Tested: **USSL-C029-D-U-T3-BZ-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286964
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-6)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-C029-D-U-T3-BZ-7050
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5000K LEDS AND TYPE III OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17455 lumens
Efficiency: N/A
Efficacy: 133.2 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B3 - U0 - G4

Input Watts (W): 131
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

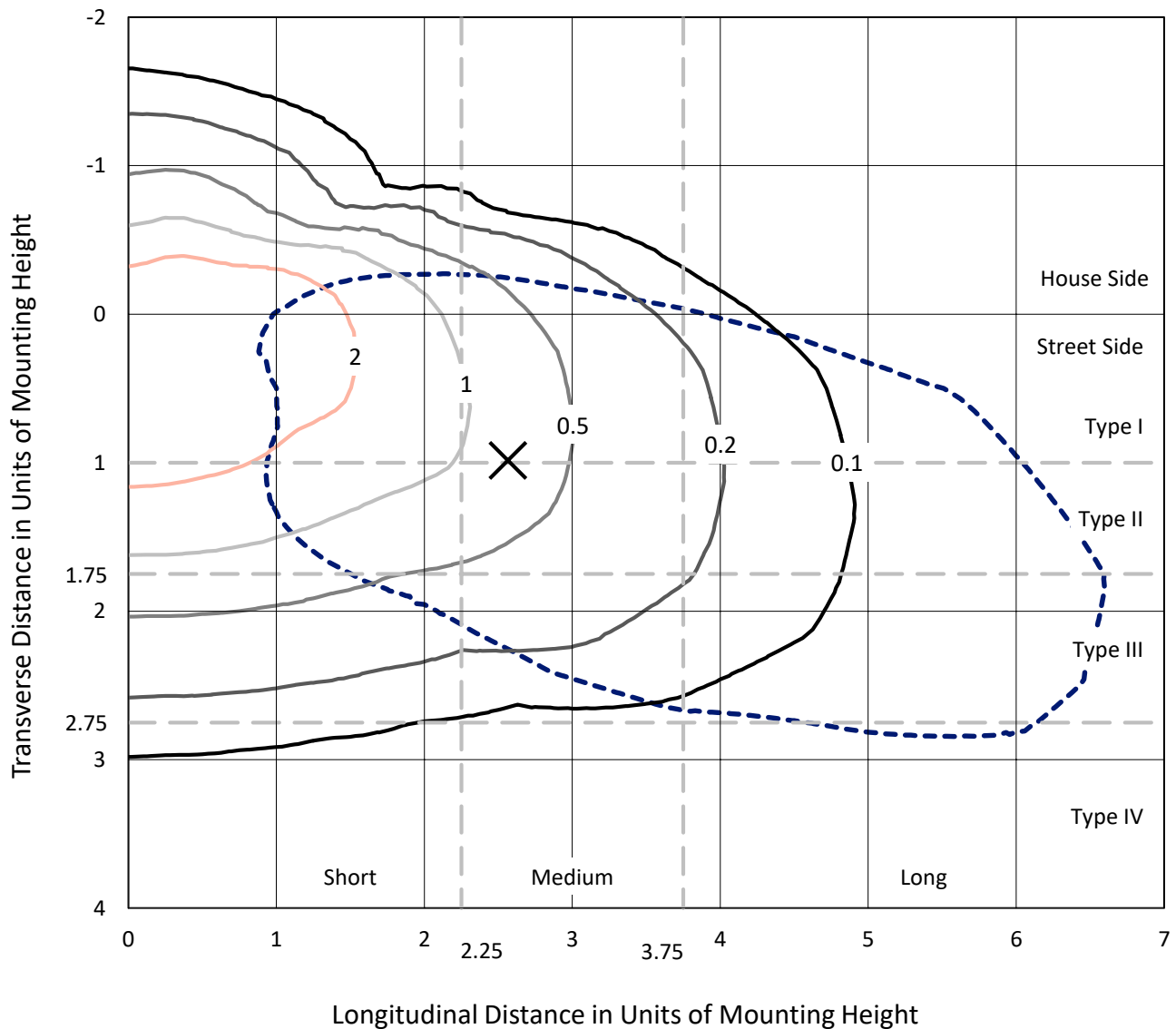


REPORT NUMBER: P286964

CATALOG NUMBER: USSL-C029-D-U-T3-BZ-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

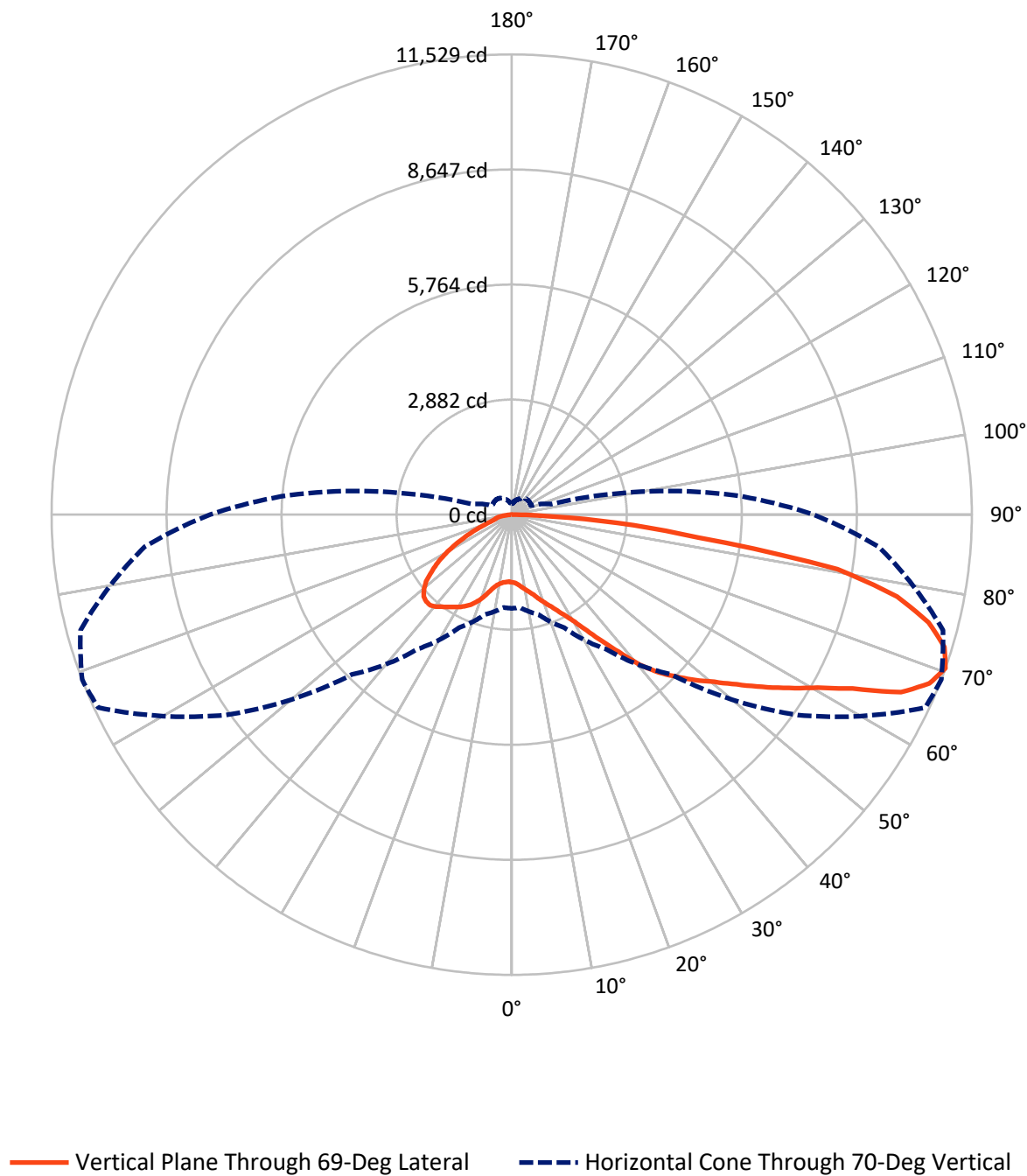


Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
Type III - Medium - Non-Cutoff

REPORT NUMBER: P286964

CATALOG NUMBER: USSL-C029-D-U-T3-BZ-7050

Luminous Intensity Polar Plot



REPORT NUMBER: P286964

CATALOG NUMBER: USSL-C029-D-U-T3-BZ-7050

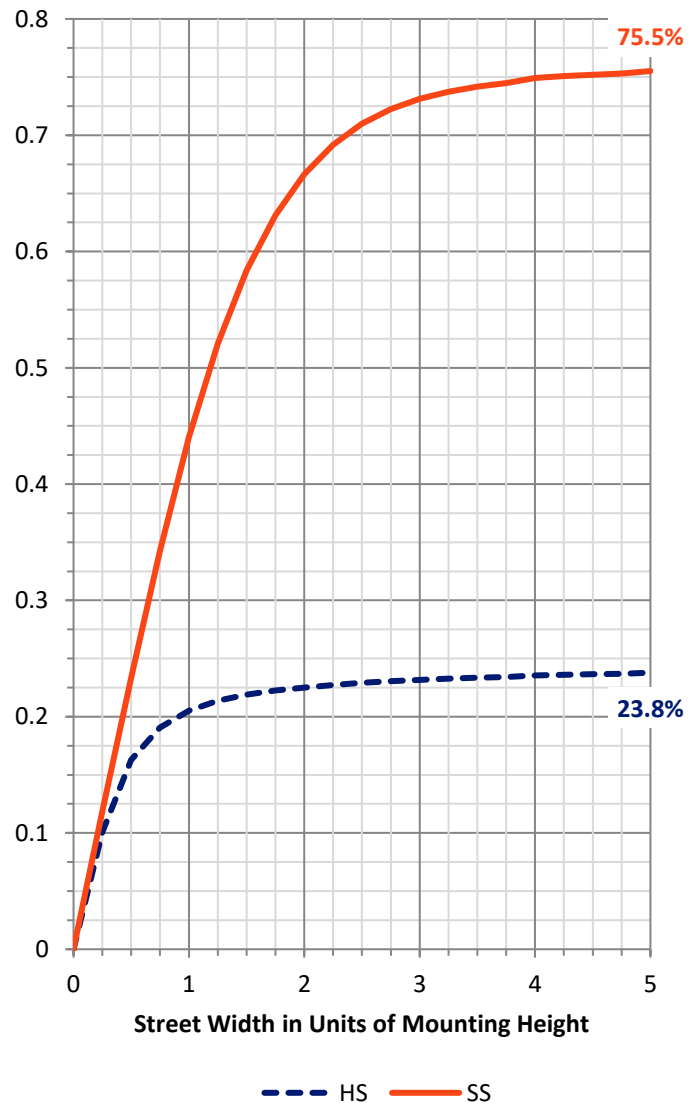
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4233.7	0.0	4233.7
	% Fixture	24.3	0.0	24.3
Street Side	Lumens	13221.3	0.0	13221.3
	% Fixture	75.7	0.0	75.7
Total	Lumens	17455.0	0.0	17455.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.9	1.0
10°-20°	552.0	3.2
20°-30°	1038.1	5.9
30°-40°	1777.2	10.2
40°-50°	2714.4	15.6
50°-60°	3510.2	20.1
60°-70°	3992.8	22.9
70°-80°	3042.4	17.4
80°-90°	660.0	3.8
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°	17455.0	100.0
0°-180°	17455.0	100.0

Coefficient of Utilization



REPORT NUMBER: P286964

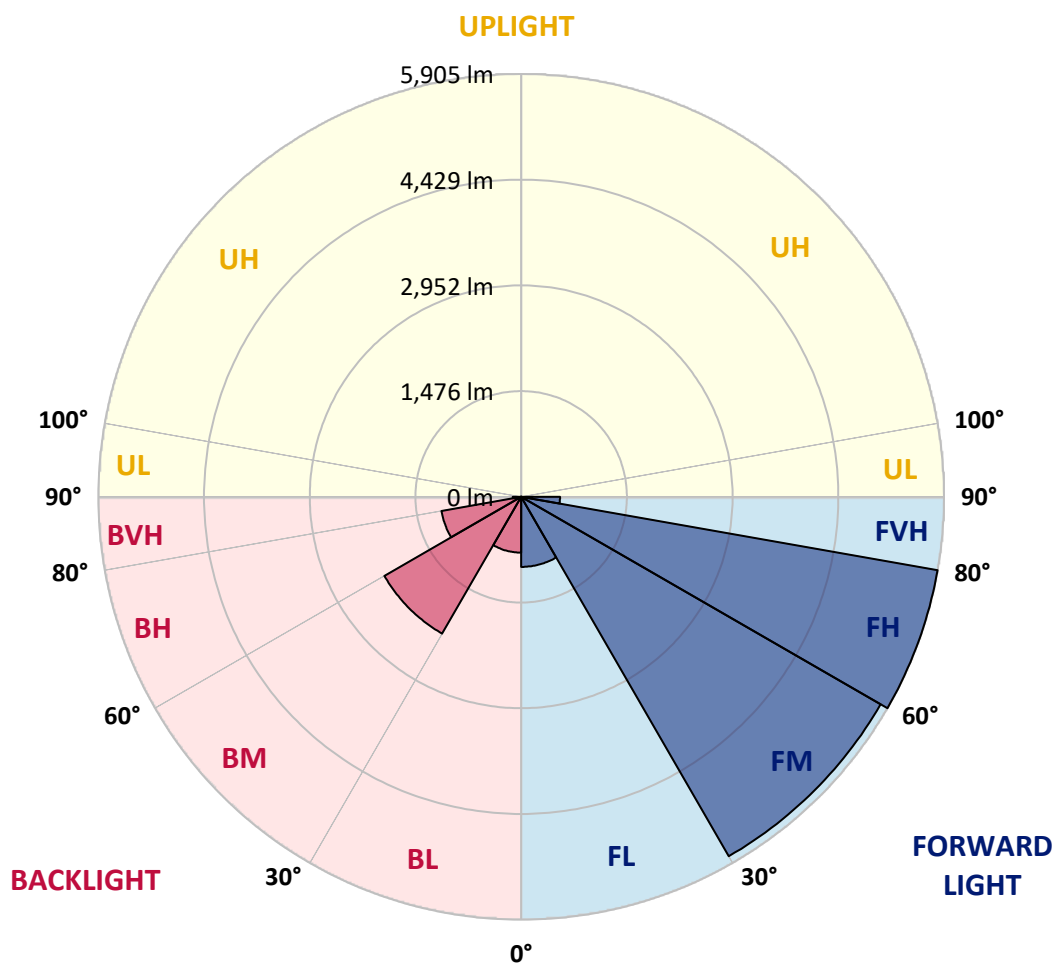
CATALOG NUMBER: USSL-C029-D-U-T3-BZ-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	978.5	5.6			
FM	(30°-60°)	5795.5	33.2			
FH	(60°-80°)	5904.8	33.8			G3/7500
FVH	(80°-90°)	542.5	3.1			G4/750
BL	(0°-30°)	779.5	4.5	B2/1000		
BM	(30°-60°)	2206.3	12.6	B2/2500		
BH	(60°-80°)	1130.5	6.5	B3/2500		G3/2500
BVH	(80°-90°)	117.5	0.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Medium





REPORT NUMBER: P286964

CATALOG NUMBER: USSL-C029-D-U-T3-BZ-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	1695.5	1695.5	1695.5	1695.5	1695.5	1695.5	1695.5	1695.5	1695.5	1695.5	1695.5
2.5°	1798.7	1786.8	1787.6	1756.9	1757.8	1745.8	1739.0	1728.8	1711.7	1717.7	1689.5
5°	1885.8	1869.6	1874.7	1838.0	1836.3	1820.1	1803.0	1772.3	1764.6	1761.2	1736.4
7.5°	1942.9	1939.5	1937.0	1918.2	1916.5	1897.7	1881.5	1848.2	1835.4	1820.1	1788.5
10°	1998.4	2001.0	2003.5	1971.1	1991.6	1969.4	1951.5	1924.2	1907.1	1902.0	1853.3
12.5°	2026.6	2029.1	2042.8	2033.4	2045.3	2057.3	2039.4	2011.2	1994.1	1994.1	1937.8
15°	2051.3	2058.1	2081.2	2088.8	2110.2	2120.4	2134.1	2116.2	2090.6	2086.3	2039.4
17.5°	2093.1	2089.7	2110.2	2144.3	2169.1	2188.7	2227.1	2222.0	2220.3	2209.2	2175.0
20°	2149.4	2143.5	2163.9	2178.4	2216.8	2275.7	2327.8	2354.2	2352.5	2346.5	2316.7
22.5°	2210.9	2204.9	2205.7	2216.8	2268.9	2357.6	2437.8	2488.2	2489.0	2492.5	2519.8
25°	2315.8	2291.1	2283.4	2292.8	2355.1	2463.4	2566.7	2649.5	2665.7	2685.3	2772.3
27.5°	2570.1	2582.0	2477.9	2410.5	2462.6	2595.7	2716.9	2838.9	2864.5	2923.4	3097.4
30°	2965.2	2945.5	2892.6	2745.9	2627.3	2745.9	2916.5	3067.6	3116.2	3266.4	3423.4
32.5°	3263.8	3264.7	3239.1	3114.5	2950.7	2921.7	3114.5	3364.5	3460.9	3740.0	3880.8
35°	3566.7	3553.9	3576.1	3458.4	3313.3	3210.1	3330.4	3660.6	3881.6	4294.6	4370.5
37.5°	3850.9	3855.2	3860.3	3746.8	3677.7	3641.8	3628.2	4043.7	4361.2	4810.0	4857.8
40°	4061.6	4084.7	4100.9	4038.6	4013.9	4015.6	3956.7	4498.5	4938.0	5380.0	5325.4
42.5°	4229.7	4256.2	4374.0	4290.3	4326.2	4397.8	4387.6	4858.6	5405.6	5816.9	5753.7
45°	4370.5	4371.4	4453.3	4486.6	4614.6	4750.3	4761.3	5242.6	5793.0	6211.1	6089.9
47.5°	4467.8	4450.7	4514.7	4650.4	4885.9	5045.5	5151.3	5676.9	6193.2	6564.3	6433.8
50°	4497.7	4521.6	4628.2	4800.6	5114.6	5366.3	5589.0	6227.3	6583.1	6909.9	6712.8
52.5°	4553.1	4563.4	4712.7	4938.0	5346.7	5682.0	5903.9	6795.6	7062.7	7264.0	7054.1
55°	4600.1	4629.1	4771.6	5010.5	5493.5	5938.0	6237.5	7313.5	7614.7	7654.0	7411.7
57.5°	4432.0	4460.1	4713.6	5031.0	5615.5	6144.5	6603.6	7817.0	8191.6	8125.0	7724.0
60°	4121.4	4153.8	4457.6	4974.7	5635.1	6374.9	7083.1	8485.9	8800.8	8720.6	8075.5
62.5°	3839.8	3841.5	4170.0	4733.2	5542.1	6532.8	7665.9	9351.2	9588.4	9447.6	8465.5
65°	3468.6	3465.2	3762.1	4344.9	5279.3	6484.1	8120.7	10407.5	10721.6	10322.2	8838.3
67.5°	2966.9	2956.6	3257.0	3797.1	4791.2	6234.1	8506.4	11126.0	11288.1	10960.5	9136.1
70°	2345.7	2334.6	2588.9	3124.7	4111.1	5663.3	8749.6	11433.2	11528.8	11186.6	9230.0
72.5°	1645.1	1638.3	1790.2	2214.3	3145.2	4764.8	8697.6	11279.6	11340.2	10950.2	8954.4
75°	973.6	971.0	1112.7	1355.0	1859.3	3550.5	8109.6	10716.4	10789.0	10434.9	8277.7
77.5°	375.4	348.1	543.5	659.6	1057.2	1663.1	6203.4	9705.3	9873.4	9540.6	7293.0
80°	122.9	127.1	381.4	465.9	613.5	744.9	3319.3	7876.7	8275.2	8061.9	5524.2
82.5°	89.6	92.2	237.2	314.9	406.2	505.1	1256.0	4281.8	4701.6	4629.1	2711.7
85°	58.9	58.9	81.1	111.8	151.9	202.2	352.4	2173.3	2664.0	2584.6	1175.0
87.5°	31.6	32.4	46.9	67.4	91.3	106.7	112.6	444.6	606.7	528.2	234.7
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: P286964

CATALOG NUMBER: USSL-C029-D-U-T3-BZ-7050

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1695.5	1695.5	1695.5	1695.5	1695.5	1695.5	1695.5	1695.5	1695.5	1695.5	1695.5
2.5°	1681.0	1698.0	1685.2	1675.0	1657.9	1648.6	1651.1	1642.6	1634.9	1654.5	1645.1
5°	1727.9	1739.0	1705.7	1686.1	1658.8	1635.8	1634.0	1615.3	1605.9	1613.6	1617.0
7.5°	1768.0	1776.5	1732.2	1697.2	1669.9	1642.6	1623.8	1591.4	1578.6	1592.2	1597.4
10°	1837.1	1826.9	1773.1	1733.9	1693.8	1660.5	1628.9	1598.2	1575.2	1576.0	1577.7
12.5°	1915.6	1887.5	1839.7	1784.2	1740.7	1707.4	1663.9	1611.9	1575.2	1574.3	1580.3
15°	2024.9	1990.7	1948.9	1883.2	1834.6	1786.8	1716.8	1626.4	1568.3	1547.9	1539.3
17.5°	2161.4	2116.2	2101.6	2025.7	1945.5	1854.2	1742.4	1632.3	1529.9	1491.5	1493.3
20°	2325.2	2310.7	2291.9	2167.3	2052.2	1898.6	1754.4	1605.0	1467.7	1400.2	1393.4
22.5°	2555.6	2548.8	2460.0	2289.4	2112.7	1927.6	1744.1	1547.0	1381.5	1297.8	1280.8
25°	2821.8	2766.4	2601.7	2392.6	2160.5	1935.3	1703.2	1462.5	1279.9	1175.8	1170.7
27.5°	3086.3	2988.2	2745.9	2457.5	2164.8	1905.4	1617.0	1347.3	1179.2	1082.0	1069.2
30°	3394.4	3262.1	2891.8	2504.4	2155.4	1830.3	1496.7	1250.9	1112.7	1016.3	1001.8
32.5°	3783.5	3559.1	3036.0	2525.7	2092.3	1729.6	1368.7	1209.1	1064.0	953.1	936.1
35°	4249.4	3950.7	3231.4	2524.9	2009.5	1573.5	1303.8	1185.2	1029.9	893.4	867.8
37.5°	4695.6	4389.3	3452.4	2514.6	1877.2	1410.5	1258.6	1146.8	1006.9	881.4	866.9
40°	5106.9	4749.4	3720.3	2495.9	1721.9	1311.5	1208.3	1087.1	979.6	892.5	876.3
42.5°	5490.1	5089.0	3960.1	2448.9	1551.3	1241.5	1140.0	1047.0	950.6	840.5	815.7
45°	5836.5	5375.7	4125.6	2338.0	1364.4	1163.9	1063.2	993.2	897.7	785.0	765.4
47.5°	6125.7	5636.8	4242.5	2188.7	1213.4	1082.0	974.5	917.3	832.8	729.6	704.0
50°	6379.2	5895.4	4321.9	1934.4	1081.1	998.3	886.6	824.3	748.3	675.0	657.0
52.5°	6626.6	6157.3	4414.1	1594.8	956.5	901.1	785.9	716.8	659.6	625.5	613.5
55°	6953.4	6491.0	4414.1	1169.0	842.2	823.4	698.8	607.5	567.4	543.5	549.5
57.5°	7248.7	6695.7	4228.0	870.4	769.7	743.2	604.1	514.5	471.9	477.8	495.8
60°	7575.5	6891.1	3709.2	720.2	708.2	633.1	515.4	452.2	430.1	408.7	406.2
62.5°	7799.9	6919.3	3042.8	635.7	646.8	558.9	482.1	416.4	391.7	360.9	354.1
65°	8050.8	6768.3	2289.4	596.4	592.2	530.7	475.3	411.3	377.2	326.8	318.3
67.5°	7958.6	6322.0	1625.5	552.1	553.8	534.2	486.4	410.4	369.5	314.9	308.9
70°	7558.4	5599.3	1018.8	531.6	546.1	541.0	506.0	431.8	366.9	285.9	277.3
72.5°	6994.4	4669.2	570.0	493.2	541.8	545.3	529.9	451.4	336.2	233.8	228.7
75°	6069.4	3563.3	407.9	456.5	521.4	544.4	519.7	434.3	308.0	220.1	213.3
77.5°	4745.1	2088.8	359.2	420.7	483.0	486.4	515.4	451.4	320.0	223.6	215.9
80°	2565.8	864.4	302.1	370.3	396.8	459.9	500.0	421.5	296.1	180.0	169.0
82.5°	1041.0	244.0	175.8	235.5	321.7	379.7	445.4	372.9	271.3	150.2	141.6
85°	266.2	83.6	81.9	120.3	192.8	284.1	361.8	319.1	221.0	66.6	4.3
87.5°	33.3	27.3	32.4	66.6	125.4	203.9	265.4	230.4	157.0	0.9	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)