

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: P286972

Luminaire Tested: **USSL-C029-D-U-T4-AP-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286972
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-8)
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-T4-AP-7030
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K LEDS AND TYPE IV OPTICS, GRAY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17781.9 lumens
Efficiency: N/A
Efficacy: 135.7 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G5

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

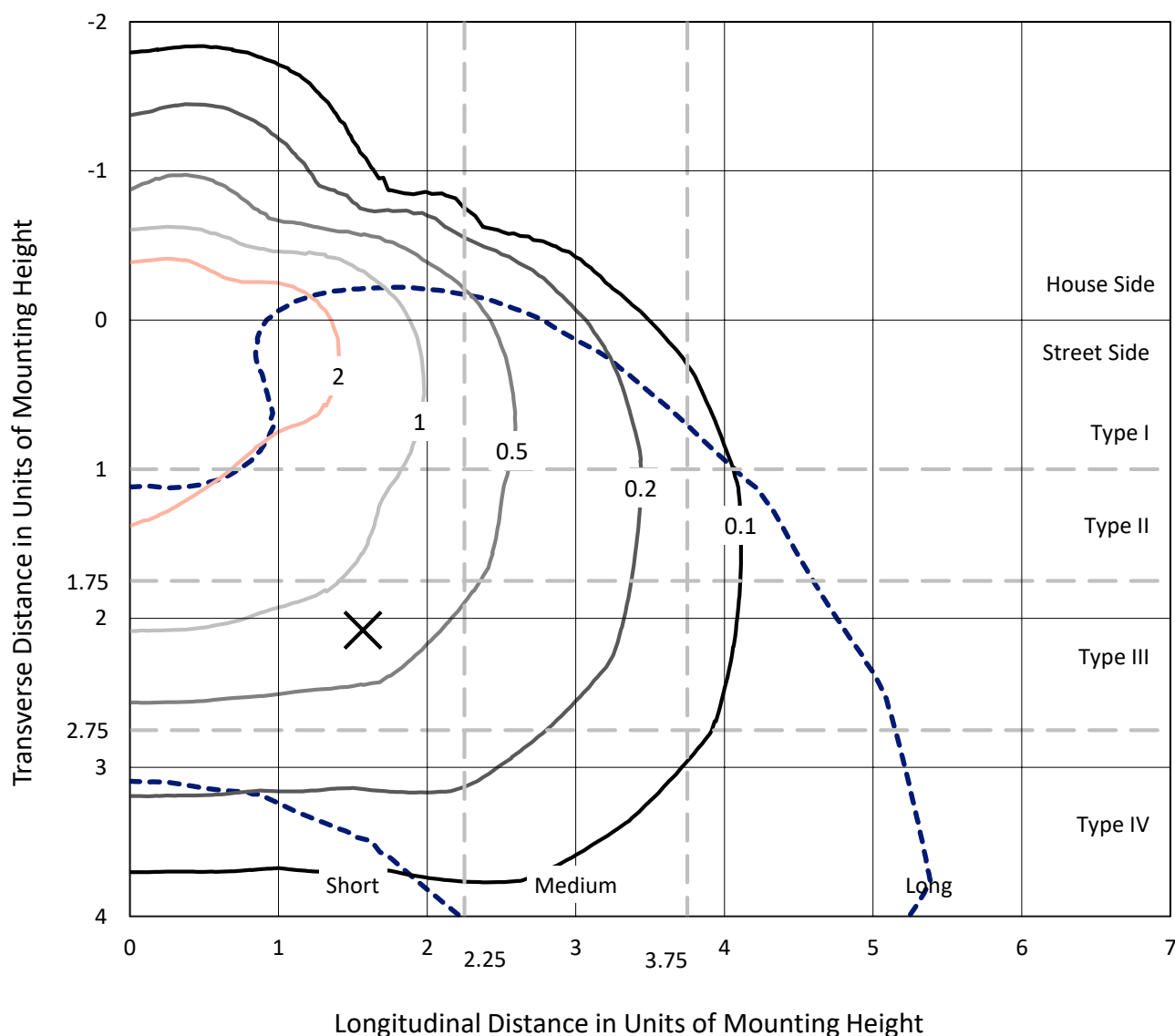


REPORT NUMBER: P286972

CATALOG NUMBER: USSL-C029-D-U-T4-AP-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

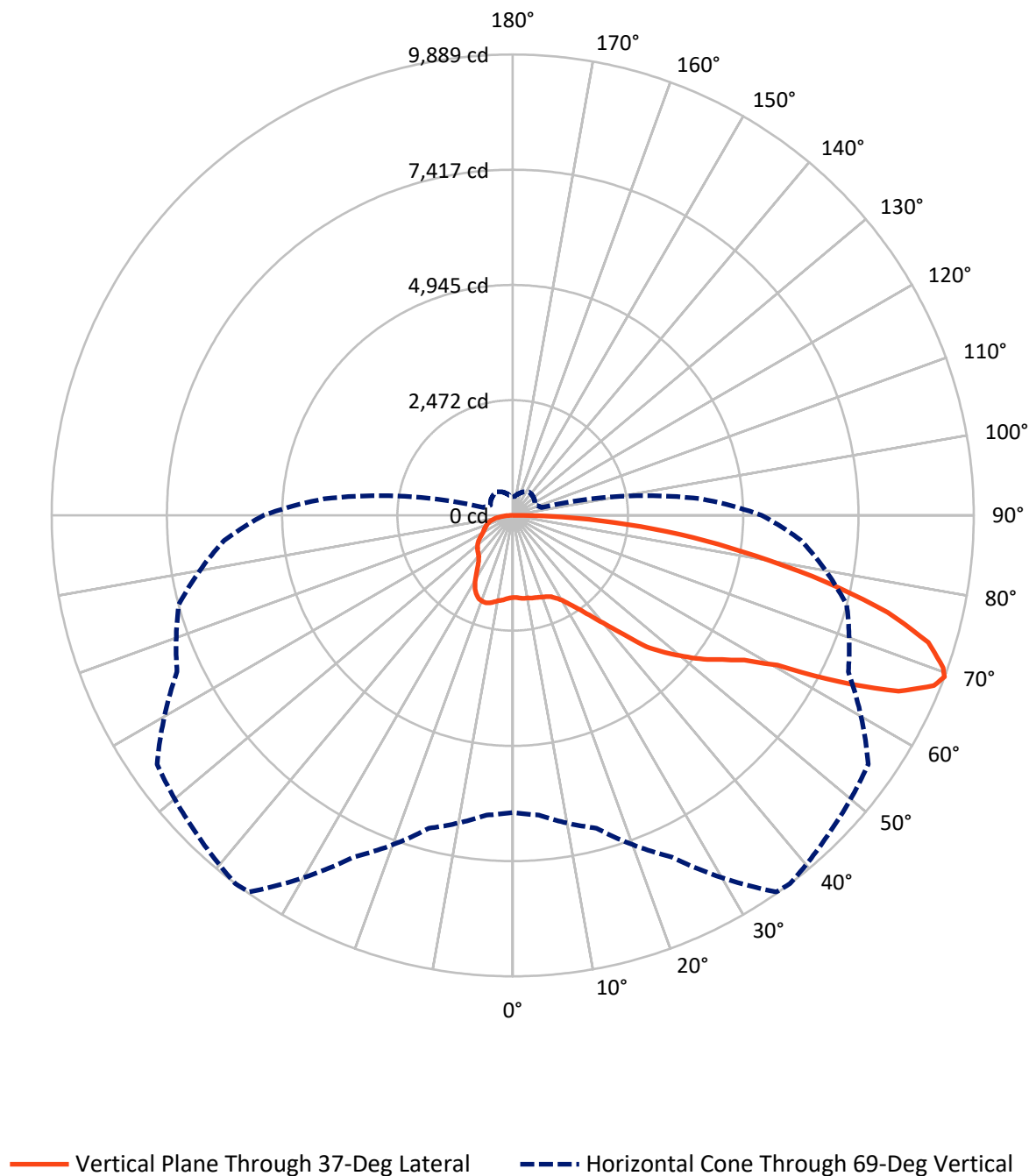


Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
Type IV - Short - Non-Cutoff

REPORT NUMBER: P286972

CATALOG NUMBER: USSL-C029-D-U-T4-AP-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P286972

CATALOG NUMBER: USSL-C029-D-U-T4-AP-7030

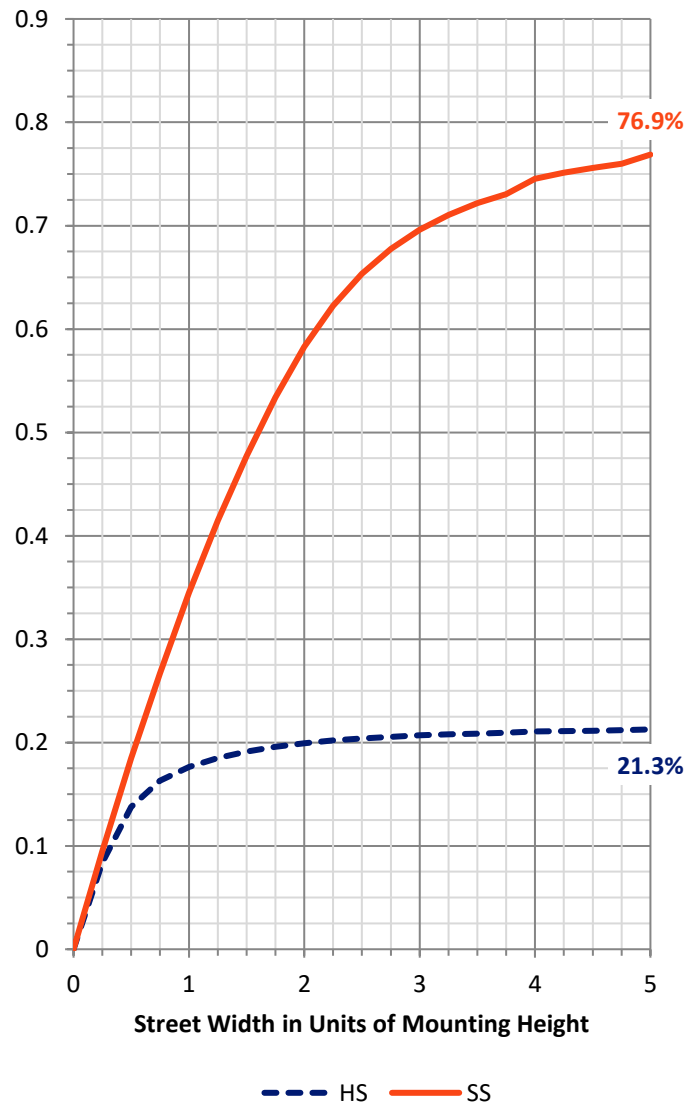
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3834.3	0.0	3834.3
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	13947.6	0.0	13947.6
	% Fixture	78.4	0.0	78.4
Total	Lumens	17781.9	0.0	17781.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.9	1.0
10°-20°	537.3	3.0
20°-30°	918.0	5.2
30°-40°	1455.3	8.2
40°-50°	2472.9	13.9
50°-60°	3506.1	19.7
60°-70°	4461.7	25.1
70°-80°	3424.1	19.3
80°-90°	834.6	4.7
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°	17781.9	100.0
0°-180°	17781.9	100.0

Coefficient of Utilization



REPORT NUMBER: P286972

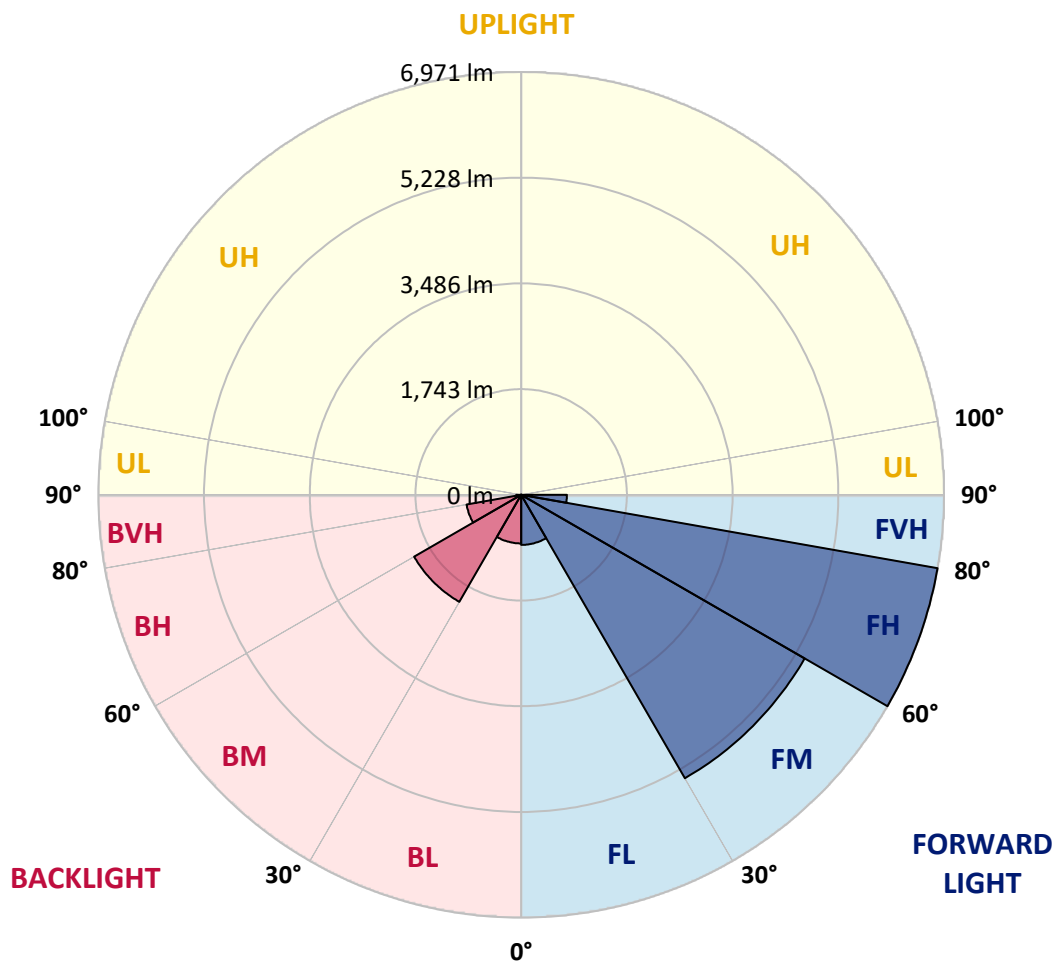
CATALOG NUMBER: USSL-C029-D-U-T4-AP-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	825.4	4.6			
FM	(30°-60°)	5396.5	30.3			
FH	(60°-80°)	6971.2	39.2			G3/7500
FVH	(80°-90°)	754.4	4.2			G5
BL	(0°-30°)	801.8	4.5	B2/1000		
BM	(30°-60°)	2037.8	11.5	B2/2500		
BH	(60°-80°)	914.6	5.1	B2/1000		G2/1000
BVH	(80°-90°)	80.2	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5

Type IV Short



REPORT NUMBER: P286972

CATALOG NUMBER: USSL-C029-D-U-T4-AP-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	1760.9	1760.9	1760.9	1760.9	1760.9	1760.9	1760.9	1760.9	1760.9	1760.9	1760.9
2.5°	1794.8	1785.3	1785.3	1765.3	1765.3	1763.5	1767.8	1757.4	1755.6	1753.9	1747.8
5°	1817.5	1814.1	1801.8	1787.0	1794.0	1784.4	1784.4	1770.5	1771.3	1769.6	1760.0
7.5°	1812.3	1818.5	1817.5	1800.1	1794.8	1797.5	1798.3	1799.3	1790.5	1789.6	1782.6
10°	1828.9	1822.8	1825.4	1798.3	1805.3	1799.3	1808.8	1808.0	1808.0	1808.0	1800.1
12.5°	1794.0	1801.0	1803.6	1808.0	1821.0	1821.0	1836.7	1842.8	1855.9	1864.7	1854.2
15°	1784.4	1778.3	1803.6	1801.0	1831.5	1828.9	1854.2	1888.2	1899.6	1923.1	1929.2
17.5°	1779.1	1791.4	1810.6	1809.7	1839.4	1845.5	1880.4	1918.7	1951.0	1990.3	2004.2
20°	1794.0	1794.0	1814.1	1822.8	1868.2	1868.2	1904.7	1952.8	2003.3	2060.9	2090.5
22.5°	1841.2	1842.8	1861.2	1851.5	1880.4	1890.9	1922.2	1976.3	2054.8	2117.6	2178.6
25°	1868.2	1878.6	1900.4	1897.8	1925.7	1933.6	1971.1	2040.8	2125.4	2208.3	2310.4
27.5°	1930.9	1931.8	1949.3	1944.1	2010.3	2013.8	2047.8	2101.0	2224.0	2319.1	2462.0
30°	2021.7	2026.8	2038.2	2053.9	2122.8	2119.4	2142.0	2212.6	2331.3	2459.5	2654.0
32.5°	2218.8	2207.5	2193.5	2196.1	2264.1	2283.3	2326.9	2410.6	2557.1	2712.4	2922.6
35°	2554.6	2547.6	2497.0	2437.7	2461.2	2483.9	2555.4	2715.9	2941.8	3306.4	3493.9
37.5°	2993.3	3014.1	2919.1	2792.6	2741.2	2746.4	2812.7	3029.8	3398.8	4087.8	4206.4
40°	3548.8	3517.4	3400.5	3231.3	3101.4	3074.3	3095.2	3373.4	3909.9	4776.8	4799.4
42.5°	3954.4	3958.7	3826.1	3703.2	3533.1	3482.5	3447.6	3711.0	4438.3	5307.9	5227.6
45°	4424.4	4458.5	4313.7	4187.2	4067.7	4015.4	3963.1	4124.4	4985.2	5730.0	5592.2
47.5°	4823.0	4829.1	4642.5	4548.2	4415.6	4392.1	4341.6	4496.8	5430.0	6061.5	5873.1
50°	5192.8	5256.5	5014.0	4879.7	4768.9	4754.1	4772.4	4918.9	5863.5	6348.4	6099.8
52.5°	5827.8	5730.0	5446.6	5193.6	5124.7	5125.7	5122.2	5361.1	6311.8	6589.9	6286.5
55°	6412.9	6222.8	5909.7	5625.4	5457.0	5458.8	5488.5	5780.6	6683.3	6822.8	6413.8
57.5°	6779.2	6883.8	6596.9	6170.4	5852.1	5857.3	5856.5	6173.1	7002.5	7027.8	6512.3
60°	7313.8	7438.6	7363.5	7043.5	6616.1	6522.0	6283.8	6616.1	7330.5	7224.1	6617.1
62.5°	7704.6	7797.0	8005.4	7826.7	7851.1	7860.7	7112.4	7121.2	7565.0	7386.2	6639.6
65°	7705.5	7703.7	8187.7	8411.0	8992.7	9093.9	8779.0	7818.9	7787.4	7412.4	6552.5
67.5°	6969.4	7014.7	7524.0	8353.5	9669.6	9745.5	9544.0	8922.1	7902.6	7442.1	6411.2
69°	6374.6	6454.8	6947.5	8088.3	9861.4	9889.3	9617.2	9311.1	7944.4	7416.8	6214.1
70°	5981.2	5984.7	6487.0	7761.2	9764.6	9796.0	9612.0	9377.4	7908.7	7345.2	6058.8
72.5°	4720.1	4769.8	5214.6	6593.4	9289.3	9319.8	9256.1	9202.9	7857.3	7028.6	5211.1
75°	3451.1	3484.2	3890.7	5164.9	8123.2	8307.3	8586.4	8884.6	7321.7	6044.0	3922.9
77.5°	2420.2	2463.8	2882.5	3920.4	6616.1	6869.1	7497.8	7777.0	6203.6	4734.0	2187.3
80°	1616.1	1670.2	2050.4	2919.9	5036.6	5294.8	6022.2	6142.5	4745.4	2839.7	433.5
82.5°	1028.3	1042.2	1344.9	2063.5	3745.9	3894.2	4157.6	3905.5	2515.2	647.2	128.2
85°	600.0	625.3	813.7	1295.1	2309.4	2478.7	2593.8	1937.9	607.9	87.2	68.9
87.5°	225.9	236.4	329.6	559.9	1080.6	1064.0	1032.7	654.1	109.1	40.2	31.4
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: P286972

CATALOG NUMBER: USSL-C029-D-U-T4-AP-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1760.9	1760.9	1760.9	1760.9	1760.9	1760.9	1760.9	1760.9	1760.9	1760.9	1760.9
2.5°	1746.9	1762.6	1754.8	1751.3	1749.6	1758.3	1774.8	1770.5	1767.8	1796.6	1799.3
5°	1760.0	1781.8	1780.9	1784.4	1779.1	1789.6	1797.5	1800.1	1802.8	1833.3	1837.7
7.5°	1784.4	1794.0	1797.5	1811.5	1803.6	1820.2	1834.2	1820.2	1833.3	1855.0	1859.4
10°	1806.2	1821.0	1822.0	1843.7	1835.9	1851.5	1855.0	1855.0	1865.5	1890.9	1886.5
12.5°	1858.5	1859.4	1889.9	1891.7	1902.2	1901.2	1894.4	1874.2	1864.7	1898.7	1901.2
15°	1934.4	1944.1	1983.3	1980.6	1967.6	1960.6	1930.9	1881.2	1852.5	1847.2	1847.2
17.5°	2026.0	2028.6	2079.2	2068.7	2047.8	2002.5	1953.6	1865.5	1784.4	1758.3	1742.6
20°	2101.0	2122.8	2184.8	2148.9	2112.4	2039.1	1931.8	1810.6	1685.0	1621.3	1604.8
22.5°	2203.0	2245.8	2281.5	2229.2	2152.4	2046.0	1904.7	1730.4	1565.5	1466.1	1448.7
25°	2347.8	2372.3	2370.5	2279.8	2158.6	2024.3	1827.2	1617.0	1415.5	1306.4	1274.2
27.5°	2497.0	2514.4	2441.2	2318.2	2137.6	1962.3	1725.9	1468.7	1263.7	1166.1	1141.6
30°	2666.2	2648.7	2496.1	2301.6	2082.7	1853.3	1583.8	1305.6	1132.1	1045.7	1032.7
32.5°	2926.9	2837.1	2544.9	2263.2	1983.3	1703.3	1410.3	1188.8	1046.5	945.4	927.9
35°	3379.6	3189.5	2632.2	2229.2	1862.9	1534.9	1261.2	1107.6	970.7	851.2	828.5
37.5°	3964.8	3662.2	2796.1	2170.8	1720.7	1371.0	1166.1	1039.7	913.1	780.6	755.3
40°	4538.7	4156.7	3016.8	2112.4	1586.5	1259.4	1111.9	1012.5	890.4	754.4	727.4
42.5°	4957.3	4552.6	3257.5	2056.5	1456.5	1172.1	1084.9	1004.7	891.4	758.8	733.5
45°	5273.0	4866.6	3501.7	1979.8	1304.7	1105.1	1059.7	996.8	890.4	763.1	731.8
47.5°	5551.2	5072.5	3670.0	1878.6	1160.8	1052.7	1029.2	967.3	868.7	744.8	717.8
50°	5747.5	5267.8	3779.9	1790.5	1050.0	1006.5	986.4	919.3	817.2	709.1	677.7
52.5°	5886.2	5394.3	3793.0	1768.8	966.3	966.3	934.9	865.2	766.6	657.6	627.0
55°	6031.8	5466.6	3736.3	1687.6	878.2	900.1	880.0	828.5	733.5	621.8	602.7
57.5°	6025.7	5430.0	3623.0	1356.2	779.7	802.3	810.2	796.3	721.3	630.5	612.2
60°	6065.8	5392.6	3434.5	942.8	686.4	721.3	754.4	754.4	682.9	575.6	556.4
62.5°	6044.9	5306.2	3032.5	664.6	612.2	668.1	709.9	677.7	607.9	517.2	504.9
65°	5908.8	5060.2	2274.5	564.3	586.1	637.5	675.9	626.2	554.6	467.5	458.7
67.5°	5660.3	4607.6	1209.7	527.6	574.8	616.6	637.5	583.5	512.8	424.7	415.2
69°	5343.7	4059.8	648.9	522.4	573.0	599.2	614.0	558.1	481.4	403.8	403.8
70°	5015.8	3626.4	419.5	525.1	566.0	588.7	597.5	540.8	463.1	382.0	378.5
72.5°	3929.9	2332.1	350.6	498.9	545.1	555.6	554.6	494.5	406.5	290.4	295.7
75°	2385.3	711.7	334.9	456.2	510.2	532.0	518.1	415.2	316.6	243.4	243.4
77.5°	648.9	249.4	317.4	416.0	465.7	471.9	467.5	386.3	282.6	201.5	203.2
80°	193.6	193.6	295.7	347.1	395.1	423.0	401.2	339.3	226.7	106.4	109.9
82.5°	111.6	125.6	247.7	244.2	319.2	318.3	318.3	242.5	153.5	69.7	56.7
85°	59.4	88.9	134.3	140.4	150.0	169.2	229.4	209.3	116.0	31.4	7.0
87.5°	34.0	50.6	36.7	26.2	54.9	100.3	148.3	142.1	96.8	0.8	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)