

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P148964

Luminaire Tested: **TLM-F04-LED-E1-RW-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P148964
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TLM-F04-LED-E1-RW-7030
Description: TALON MEDIUM LED SITE LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (28) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

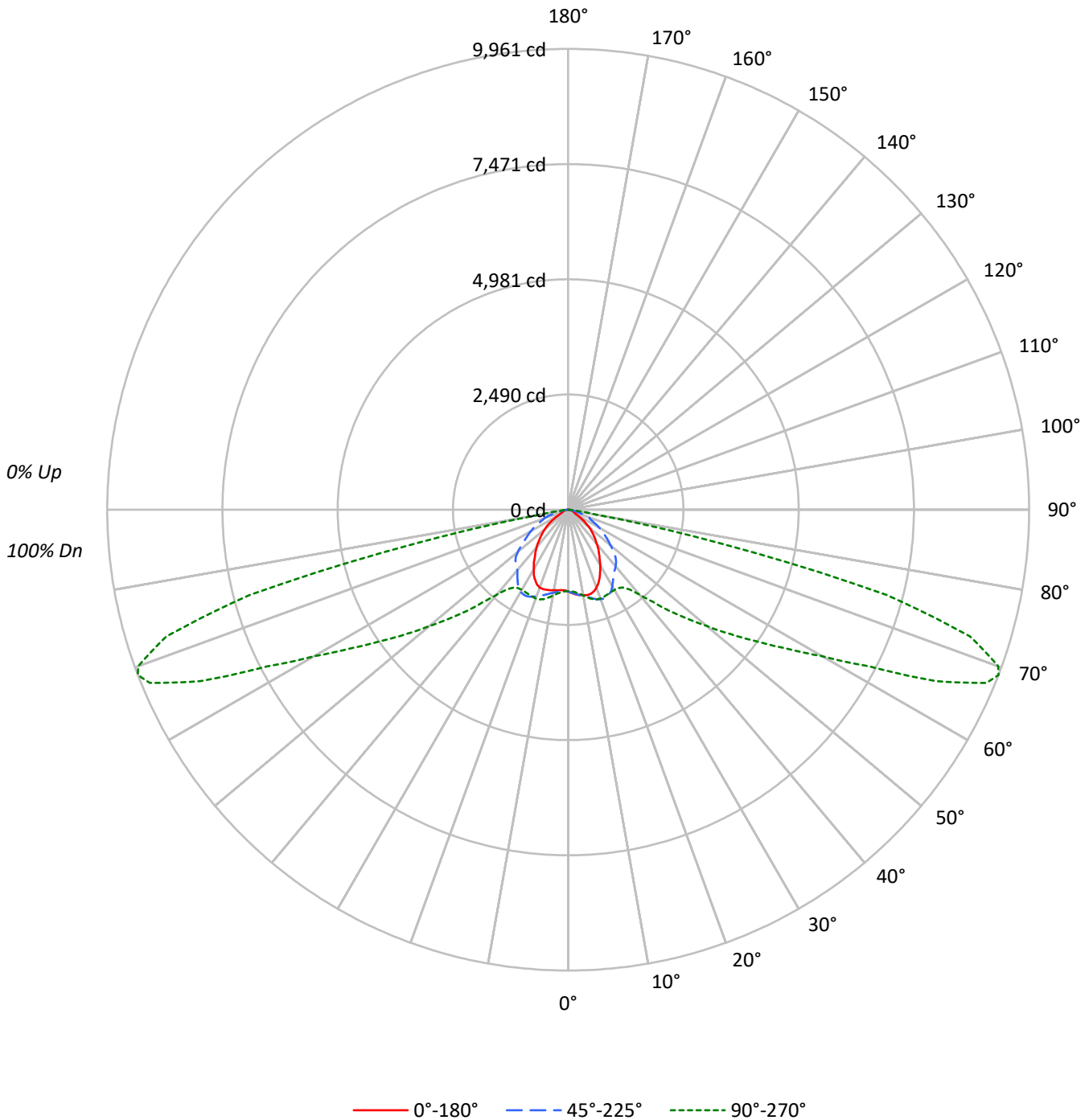
Lumens per Lamp: N/A
Luminaire Lumens: 9421.7 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 3.07 / 1.6
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
CIE Type: Direct

Input Watts (W): 102.2
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: 25 FT



TEST NUMBER: P148964
CATALOG NUMBER: TLM-F04-LED-E1-RW-7030

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									70									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	106	101	95	91	104	98	93	89	94	90	86	90	87	84	86	84	81	79						79													
2	94	84	76	69	91	82	75	68	79	72	66	75	70	65	72	67	63	61						61													
3	84	72	62	54	81	70	61	54	67	59	52	64	57	51	61	55	51	48						48													
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	47	41	39						39													
5	69	54	44	36	67	53	43	36	51	42	35	49	41	35	47	40	35	32						32													
6	63	48	38	31	61	47	37	30	45	36	30	43	36	30	42	35	29	27						27													
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	38	31	25	23						23													
8	54	39	29	23	52	38	29	23	37	29	23	35	28	23	34	27	22	20						20													
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18						18													
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16						16													

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	28362	28362	28362
5°	29620	28875	28129
10°	30635	30734	28881
15°	31335	33258	29797
20°	30577	34908	30646
25°	28531	35766	29814
30°	25680	37131	27583
35°	22813	40243	24667
40°	20114	50073	22222
45°	17588	70169	19414
50°	14799	97817	16658
55°	10672	138823	13094
60°	6362	203277	7817
65°	5733	333059	5733
70°	5857	464483	5951
75°	6238	442062	6555
80°	6328	56926	6883
85°	4074	14267	5751



TEST NUMBER: P148964

CATALOG NUMBER: TLM-F04-LED-E1-RW-7030

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.2	1.8
10°-20°	546.3	5.8
20°-30°	885.0	9.4
30°-40°	1102.9	11.7
40°-50°	1378.2	14.6
50°-60°	1701.8	18.1
60°-70°	2114.6	22.4
70°-80°	1403.8	14.9
80°-90°	115.9	1.2
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°-30°	1604.4	17.0
0°-40°	2707.3	28.7
0°-60°	5787.4	61.4
0°-90°	9421.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9421.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1765	1765	1765	1765	1765	
5°	1837	1826	1790	1762	1744	176
15°	1884	1980	2000	1901	1792	527
25°	1610	2050	2018	2069	1682	735
35°	1163	1713	2052	1906	1258	729
45°	774	1443	3088	1610	854	597
55°	381	976	4956	1144	468	340
65°	151	566	8761	720	151	152
75°	100	223	7122	290	106	105
85°	22	42	77	55	31	28
90°	0	0	0	0	0	



TEST NUMBER: P148964

CATALOG NUMBER: TLM-F04-LED-E1-RW-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	1765.4	1765.4	1765.4	1765.4	1765.4	1765.4	1765.4	1765.4	1765.4	1765.4	1765.4
2.5°	1805.6	1811.6	1805.6	1805.6	1800.5	1795.5	1792.5	1785.5	1781.4	1779.4	1779.4
5°	1836.7	1835.7	1836.7	1836.7	1831.7	1825.7	1821.6	1815.6	1809.6	1808.6	1807.6
7.5°	1859.9	1858.8	1861.9	1867.9	1864.9	1859.9	1859.9	1853.8	1849.8	1849.8	1847.8
10°	1877.9	1879.0	1885.0	1894.0	1896.0	1895.0	1902.1	1900.1	1898.1	1900.1	1898.1
12.5°	1890.0	1891.0	1899.1	1916.1	1927.2	1934.2	1952.3	1953.3	1954.4	1954.4	1954.4
15°	1884.0	1884.0	1900.1	1932.2	1959.4	1980.5	2003.6	2007.6	2003.6	2006.6	2004.6
17.5°	1848.8	1850.8	1876.9	1926.2	1981.5	2027.7	2052.9	2045.8	2038.8	2038.8	2035.8
20°	1788.5	1792.5	1827.7	1897.0	1984.5	2057.9	2097.1	2074.0	2054.9	2051.9	2048.9
22.5°	1714.1	1711.1	1753.3	1840.7	1961.4	2071.0	2124.3	2096.1	2061.9	2054.9	2049.9
25°	1609.5	1611.5	1655.8	1753.3	1903.1	2049.9	2132.3	2118.2	2078.0	2069.0	2057.9
27.5°	1494.9	1499.9	1547.2	1646.7	1812.6	1997.6	2123.2	2140.3	2109.2	2099.1	2089.1
30°	1384.3	1387.3	1440.6	1547.2	1701.0	1905.1	2099.1	2164.5	2148.4	2140.3	2131.3
32.5°	1266.7	1276.8	1323.0	1443.6	1612.5	1803.6	2061.9	2189.6	2195.6	2190.6	2185.6
35°	1163.2	1171.2	1223.5	1350.2	1527.1	1713.1	2016.7	2216.7	2258.0	2257.0	2255.9
37.5°	1069.7	1071.7	1127.0	1255.7	1442.6	1649.7	1969.4	2261.0	2334.4	2344.4	2356.5
40°	959.1	969.1	1026.4	1165.2	1359.2	1595.5	1929.2	2320.3	2440.9	2463.0	2480.1
42.5°	870.6	870.6	921.9	1059.6	1260.7	1533.1	1915.1	2394.7	2567.6	2597.8	2627.9
45°	774.1	777.1	826.4	952.0	1148.1	1442.6	1913.1	2477.1	2709.3	2752.6	2789.8
47.5°	682.6	684.6	736.9	858.5	1031.5	1318.0	1888.0	2568.6	2858.1	2920.5	2961.7
50°	592.1	589.1	639.4	763.0	927.9	1189.3	1807.6	2687.2	3043.1	3105.4	3152.7
52.5°	480.5	488.6	542.9	660.5	826.4	1079.7	1643.7	2803.9	3234.1	3304.5	3368.8
55°	381.0	380.0	441.3	547.9	716.8	976.2	1449.7	2886.3	3420.1	3501.5	3572.9
57.5°	273.4	276.5	328.7	434.3	603.2	883.7	1302.9	2872.2	3563.9	3660.4	3750.9
60°	198.0	204.1	243.3	320.7	481.6	777.1	1200.4	2709.3	3662.4	3794.1	3903.7
62.5°	166.9	171.9	206.1	248.3	372.0	665.5	1100.8	2448.0	3790.1	3964.0	4122.8
65°	150.8	154.8	189.0	213.1	285.5	566.0	1038.5	2263.0	3958.0	4222.4	4439.5
67.5°	135.7	141.8	171.9	190.0	242.3	505.7	1020.4	2234.8	3990.1	4340.0	4648.6
69°	128.7	134.7	161.9	177.9	228.2	486.6	986.2	2133.3	3780.0	4156.0	4501.8
70°	124.7	129.7	153.8	170.9	224.2	468.5	938.0	1984.5	3556.8	3935.8	4307.8
72.5°	114.6	117.6	137.7	154.8	206.1	359.9	710.8	1433.6	2655.1	3030.0	3395.0
75°	100.5	103.5	121.6	138.7	159.8	223.2	431.3	850.5	1629.6	1882.0	2247.9
77.5°	86.5	89.5	104.6	130.7	126.7	145.8	263.4	508.7	854.5	980.2	1214.4
80°	68.4	72.4	87.5	125.7	105.6	115.6	193.0	376.0	519.8	572.0	633.4
82.5°	48.3	50.3	66.4	100.5	79.4	87.5	144.8	312.7	417.2	455.4	473.5
85°	22.1	23.1	39.2	59.3	47.3	42.2	77.4	200.1	276.5	287.5	303.6
87.5°	0.0	0.0	4.0	4.0	8.0	5.0	9.0	25.1	42.2	42.2	51.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P148964

CATALOG NUMBER: TLM-F04-LED-E1-RW-7030

CANDELA DISTRIBUTION (continued):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	1765.4	1765.4	1765.4	1765.4	1765.4	1765.4	1765.4	1765.4	1765.4	1765.4	1765.4
2.5°	1780.4	1779.4	1780.4	1780.4	1781.4	1777.4	1776.4	1775.4	1774.4	1775.4	1773.4
5°	1807.6	1806.6	1806.6	1807.6	1806.6	1803.6	1802.5	1802.5	1799.5	1798.5	1798.5
7.5°	1848.8	1846.8	1843.8	1845.8	1846.8	1845.8	1846.8	1843.8	1843.8	1840.7	1841.8
10°	1900.1	1898.1	1897.0	1899.1	1900.1	1899.1	1900.1	1896.0	1895.0	1894.0	1892.0
12.5°	1956.4	1952.3	1955.4	1955.4	1956.4	1960.4	1955.4	1957.4	1953.3	1953.3	1952.3
15°	2005.6	2004.6	2006.6	2006.6	2005.6	2008.6	2007.6	2008.6	2003.6	2001.6	2006.6
17.5°	2036.8	2033.8	2034.8	2033.8	2033.8	2033.8	2035.8	2035.8	2032.8	2031.8	2033.8
20°	2044.8	2039.8	2038.8	2037.8	2035.8	2035.8	2036.8	2034.8	2032.8	2030.8	2032.8
22.5°	2042.8	2036.8	2030.8	2027.7	2024.7	2020.7	2019.7	2017.7	2014.7	2014.7	2015.7
25°	2049.9	2038.8	2029.8	2023.7	2015.7	2010.6	2006.6	2001.6	1996.6	1993.6	1994.6
27.5°	2074.0	2061.9	2049.9	2037.8	2025.7	2015.7	2007.6	1998.6	1990.5	1984.5	1981.5
30°	2119.2	2103.1	2089.1	2075.0	2059.9	2045.8	2032.8	2018.7	2003.6	1994.6	1986.5
32.5°	2171.5	2160.4	2151.4	2135.3	2119.2	2102.1	2086.0	2074.0	2051.9	2034.8	2020.7
35°	2250.9	2246.9	2241.9	2229.8	2211.7	2202.7	2189.6	2170.5	2144.4	2129.3	2108.2
37.5°	2360.5	2361.5	2357.5	2352.5	2354.5	2337.4	2329.3	2327.3	2301.2	2291.1	2260.0
40°	2495.2	2510.3	2523.4	2523.4	2533.4	2534.4	2532.4	2549.5	2530.4	2534.4	2501.2
42.5°	2645.0	2681.2	2701.3	2716.4	2749.6	2764.6	2789.8	2827.0	2829.0	2848.1	2850.1
45°	2821.9	2862.2	2900.4	2939.6	2983.8	3036.1	3088.4	3126.6	3186.9	3199.9	3243.2
47.5°	3005.9	3064.2	3108.5	3158.7	3234.1	3301.5	3378.9	3457.3	3526.7	3575.9	3604.1
50°	3209.0	3268.3	3332.7	3388.9	3469.4	3563.9	3671.4	3779.0	3868.5	3956.0	4026.3
52.5°	3434.2	3499.5	3559.9	3633.2	3714.7	3827.3	3944.9	4092.7	4212.3	4331.9	4418.4
55°	3650.3	3723.7	3779.0	3872.5	3957.0	4072.6	4218.3	4393.3	4559.1	4703.9	4821.5
57.5°	3838.3	3910.7	3988.1	4068.5	4171.1	4286.7	4465.7	4664.7	4853.7	5043.7	5217.6
60°	4014.3	4111.8	4196.2	4302.8	4405.3	4539.0	4752.2	4998.5	5256.8	5493.1	5667.0
62.5°	4279.7	4404.3	4503.9	4635.6	4778.3	4936.1	5171.4	5442.8	5779.6	6084.2	6354.7
65°	4650.6	4841.6	5002.5	5164.4	5338.3	5555.4	5809.8	6154.6	6526.6	6977.0	7333.8
67.5°	4915.0	5154.3	5362.4	5565.5	5765.5	6005.8	6320.5	6724.6	7206.2	7679.7	8133.1
69°	4808.5	5061.8	5293.0	5495.1	5706.2	5946.5	6253.1	6696.5	7187.1	7707.8	8157.2
70°	4584.3	4857.7	5105.0	5298.1	5514.2	5752.5	6091.3	6514.5	7015.2	7554.0	7994.3
72.5°	3686.5	3975.1	4219.3	4433.5	4659.7	4939.2	5240.8	5646.9	6201.8	6729.6	7121.7
75°	2539.5	2808.9	3085.3	3245.2	3504.6	3703.6	3990.1	4406.3	4869.8	5257.8	5620.8
77.5°	1436.6	1581.4	1790.5	1855.8	2041.8	2174.5	2326.3	2582.7	2824.0	3049.1	3114.5
80°	653.5	610.2	631.3	599.2	634.4	612.2	587.1	601.2	598.2	643.4	601.2
82.5°	470.5	406.2	337.8	291.5	256.4	217.2	185.0	165.9	163.9	171.9	168.9
85°	300.6	274.5	215.1	172.9	132.7	102.5	85.5	77.4	77.4	82.4	81.4
87.5°	52.3	45.2	28.1	24.1	21.1	14.1	9.0	9.0	8.0	10.1	13.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P148964

CATALOG NUMBER: TLM-F04-LED-E1-RW-7030

CANDELA DISTRIBUTION (continued):

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	1765.4	1765.4	1765.4	1765.4	1765.4	1765.4	1765.4	1765.4	1765.4	1765.4	1765.4
2.5°	1773.4	1772.4	1770.4	1769.4	1769.4	1767.4	1766.4	1768.4	1769.4	1770.4	1767.4
5°	1798.5	1795.5	1794.5	1795.5	1790.5	1791.5	1790.5	1791.5	1791.5	1791.5	1789.5
7.5°	1838.7	1835.7	1837.7	1835.7	1832.7	1831.7	1831.7	1828.7	1824.7	1823.7	1824.7
10°	1894.0	1890.0	1891.0	1892.0	1889.0	1887.0	1884.0	1880.0	1880.0	1879.0	1876.9
12.5°	1953.3	1951.3	1951.3	1952.3	1951.3	1947.3	1943.3	1941.3	1940.3	1940.3	1940.3
15°	2004.6	2003.6	2004.6	2003.6	2003.6	2001.6	1999.6	1996.6	1995.6	1996.6	1997.6
17.5°	2033.8	2030.8	2033.8	2034.8	2033.8	2033.8	2033.8	2031.8	2030.8	2030.8	2031.8
20°	2035.8	2033.8	2035.8	2038.8	2038.8	2039.8	2041.8	2042.8	2041.8	2043.8	2044.8
22.5°	2015.7	2015.7	2018.7	2021.7	2026.7	2028.7	2032.8	2034.8	2036.8	2039.8	2041.8
25°	1995.6	1994.6	1997.6	2003.6	2007.6	2012.7	2017.7	2021.7	2025.7	2029.8	2033.8
27.5°	1981.5	1980.5	1982.5	1987.5	1992.6	1998.6	2006.6	2012.7	2017.7	2022.7	2025.7
30°	1982.5	1978.5	1977.5	1981.5	1986.5	1993.6	2001.6	2008.6	2015.7	2019.7	2022.7
32.5°	2011.7	2001.6	1997.6	1996.6	1998.6	2003.6	2009.6	2016.7	2021.7	2025.7	2026.7
35°	2087.1	2068.0	2063.9	2050.9	2052.9	2051.9	2051.9	2055.9	2059.9	2059.9	2052.9
37.5°	2239.9	2212.7	2193.6	2180.5	2167.5	2166.5	2164.5	2162.5	2152.4	2146.4	2145.4
40°	2478.1	2467.1	2430.9	2420.8	2398.7	2383.6	2387.6	2379.6	2355.5	2346.4	2342.4
42.5°	2826.0	2832.0	2811.9	2764.6	2745.5	2716.4	2692.3	2688.2	2666.1	2648.0	2634.0
45°	3234.1	3245.2	3230.1	3195.9	3161.7	3117.5	3088.4	3032.1	3009.9	2981.8	2962.7
47.5°	3653.3	3683.5	3659.4	3629.2	3610.1	3540.8	3480.4	3415.1	3381.9	3341.7	3323.6
50°	4069.6	4122.8	4108.8	4080.6	4059.5	3972.0	3913.7	3823.2	3804.1	3763.9	3741.8
52.5°	4485.8	4538.0	4569.2	4543.1	4528.0	4457.6	4417.4	4345.0	4290.7	4265.6	4264.6
55°	4906.0	4990.4	5039.7	5030.6	5005.5	4996.5	4956.3	4949.2	4907.0	4879.8	4843.7
57.5°	5317.2	5406.6	5492.1	5542.4	5563.5	5556.4	5575.5	5573.5	5579.6	5576.5	5517.2
60°	5839.9	5981.7	6106.3	6185.8	6261.2	6313.4	6326.5	6403.9	6381.8	6430.1	6337.6
62.5°	6577.8	6761.8	6950.8	7034.3	7126.7	7296.6	7336.9	7428.3	7442.4	7454.5	7405.2
65°	7606.3	7847.6	8133.1	8260.8	8405.5	8623.7	8761.4	8858.9	8855.9	8789.6	8726.2
67.5°	8483.9	8769.4	9031.8	9254.0	9470.2	9640.1	9784.8	9916.5	9923.6	9882.3	9773.8
69°	8559.3	8857.9	9143.4	9410.8	9625.0	9814.0	9960.8	10063.3	10085.4	10049.2	9948.7
70°	8419.6	8721.2	9031.8	9288.2	9530.5	9730.5	9888.4	9986.9	10017.1	9979.9	9885.4
72.5°	7560.0	7852.6	8084.8	8386.4	8731.2	8856.9	9100.2	9180.6	9255.0	9205.8	9149.5
75°	5922.4	6197.8	6438.1	6594.9	6752.8	7063.4	7121.7	7272.5	7323.8	7275.5	7337.9
77.5°	3085.3	3271.3	3351.8	3226.1	3245.2	3490.5	3351.8	3514.6	3608.1	3635.3	3674.5
80°	590.1	620.3	643.4	635.4	643.4	661.5	615.3	590.1	623.3	616.3	616.3
82.5°	173.9	170.9	170.9	180.0	178.9	183.0	183.0	175.9	181.0	181.0	182.0
85°	79.4	75.4	74.4	75.4	74.4	74.4	77.4	77.4	83.4	78.4	79.4
87.5°	10.1	9.0	10.1	10.1	8.0	8.0	9.0	10.1	10.1	9.0	9.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P148964

CATALOG NUMBER: TLM-F04-LED-E1-RW-7030

CANDELA DISTRIBUTION (continued):

	95°	96°	97°	98°	99°	100°	105°	115°	125°	135°	145°
0°	1765.4	1765.4	1765.4	1765.4	1765.4	1765.4	1765.4	1765.4	1765.4	1765.4	1765.4
2.5°	1766.4	1765.4	1765.4	1765.4	1764.3	1763.3	1762.3	1759.3	1756.3	1755.3	1750.3
5°	1785.5	1786.5	1784.5	1782.4	1782.4	1782.4	1779.4	1771.4	1765.4	1762.3	1755.3
7.5°	1825.7	1823.7	1820.6	1819.6	1817.6	1818.6	1812.6	1802.5	1791.5	1784.5	1773.4
10°	1879.0	1876.9	1874.9	1872.9	1869.9	1869.9	1862.9	1847.8	1830.7	1818.6	1798.5
12.5°	1941.3	1939.3	1937.3	1936.3	1931.2	1930.2	1920.2	1902.1	1880.0	1856.8	1827.7
15°	1998.6	1995.6	1994.6	1991.5	1988.5	1987.5	1978.5	1954.4	1927.2	1901.1	1862.9
17.5°	2034.8	2032.8	2029.8	2027.7	2026.7	2025.7	2012.7	1992.6	1971.4	1945.3	1899.1
20°	2046.8	2047.8	2045.8	2043.8	2040.8	2038.8	2026.7	2007.6	2003.6	1989.5	1942.3
22.5°	2044.8	2044.8	2043.8	2039.8	2037.8	2032.8	2015.7	2006.6	2028.7	2034.8	1974.5
25°	2036.8	2035.8	2032.8	2029.8	2023.7	2016.7	1990.5	1995.6	2057.9	2069.0	1981.5
27.5°	2027.7	2026.7	2021.7	2014.7	2005.6	1995.6	1962.4	1995.6	2085.0	2076.0	1952.3
30°	2022.7	2018.7	2011.7	2001.6	1989.5	1978.5	1942.3	2021.7	2104.1	2051.9	1871.9
32.5°	2023.7	2016.7	2006.6	1993.6	1979.5	1966.4	1941.3	2068.0	2111.2	1993.6	1758.3
35°	2047.8	2036.8	2023.7	2010.6	1996.6	1984.5	1986.5	2132.3	2110.2	1906.1	1648.7
37.5°	2135.3	2116.2	2107.2	2093.1	2073.0	2062.9	2103.1	2203.7	2096.1	1799.5	1552.2
40°	2328.3	2312.2	2299.2	2263.0	2270.0	2262.0	2300.2	2301.2	2078.0	1710.1	1471.8
42.5°	2609.8	2609.8	2581.7	2576.6	2557.5	2566.6	2583.7	2415.8	2059.9	1656.8	1392.4
45°	2941.6	2966.7	2955.7	2952.6	2967.7	2985.8	2907.4	2551.5	2060.9	1610.5	1299.9
47.5°	3335.7	3356.8	3367.8	3385.9	3405.0	3394.0	3232.1	2694.3	2079.0	1544.2	1181.3
50°	3754.9	3806.2	3822.2	3845.4	3862.5	3865.5	3539.7	2841.0	2098.1	1422.5	1052.6
52.5°	4274.6	4322.9	4340.0	4356.1	4343.0	4331.9	3841.3	3015.0	2083.0	1277.8	943.0
55°	4885.9	4894.9	4891.9	4871.8	4860.7	4800.4	4120.8	3199.9	1965.4	1144.1	838.4
57.5°	5522.2	5526.3	5490.1	5419.7	5338.3	5281.0	4389.2	3352.8	1716.1	1036.5	734.9
60°	6341.6	6259.2	6197.8	6090.3	5957.6	5834.9	4676.8	3438.2	1477.8	932.9	618.3
62.5°	7330.8	7166.0	7033.3	6924.7	6728.6	6512.5	5043.7	3449.3	1333.1	834.4	485.6
65°	8611.6	8437.7	8211.5	8025.5	7813.4	7521.8	5635.8	3369.8	1261.7	719.8	354.9
67.5°	9620.0	9444.0	9190.7	8982.6	8709.1	8369.3	6126.4	3231.1	1244.6	616.3	279.5
69°	9795.9	9603.9	9375.7	9115.3	8824.7	8461.8	6145.5	3070.3	1218.5	577.1	256.4
70°	9731.5	9531.5	9311.3	9034.9	8709.1	8336.2	6000.8	2891.3	1166.2	554.9	248.3
72.5°	9009.7	8705.1	8483.9	8247.7	7851.6	7473.6	5166.4	2187.6	907.8	467.5	232.2
75°	7213.2	6952.8	6703.5	6585.9	6257.1	5936.4	3878.5	1389.4	593.1	290.5	182.0
77.5°	3677.5	3630.2	3701.6	3648.3	3411.1	3411.1	2393.7	737.9	348.8	174.9	138.7
80°	660.5	688.6	675.6	703.7	654.5	726.8	841.5	495.6	247.3	133.7	113.6
82.5°	185.0	187.0	185.0	186.0	192.0	202.1	437.3	426.3	191.0	100.5	88.5
85°	86.5	87.5	89.5	89.5	97.5	99.5	293.6	305.6	111.6	55.3	59.3
87.5°	10.1	13.1	13.1	12.1	14.1	14.1	54.3	61.3	15.1	11.1	18.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P148964

CATALOG NUMBER: TLM-F04-LED-E1-RW-7030

CANDELA DISTRIBUTION (continued):

	155°	165°	175°	180°
0°	1765.4	1765.4	1765.4	1765.4
2.5°	1746.2	1742.2	1738.2	1741.2
5°	1752.3	1746.2	1741.2	1744.2
7.5°	1768.4	1758.3	1757.3	1757.3
10°	1788.5	1774.4	1770.4	1770.4
12.5°	1809.6	1790.5	1783.4	1783.4
15°	1831.7	1804.6	1794.5	1791.5
17.5°	1856.8	1818.6	1800.5	1800.5
20°	1881.0	1820.6	1793.5	1792.5
22.5°	1885.0	1797.5	1758.3	1756.3
25°	1854.8	1743.2	1692.0	1681.9
27.5°	1783.4	1658.8	1604.5	1602.5
30°	1675.9	1548.2	1492.9	1486.9
32.5°	1570.3	1434.6	1383.3	1383.3
35°	1463.8	1331.0	1264.7	1257.7
37.5°	1365.2	1221.5	1162.2	1161.1
40°	1274.8	1126.0	1068.7	1059.6
42.5°	1184.3	1025.4	960.1	958.1
45°	1076.7	915.9	859.6	854.5
47.5°	962.1	817.3	758.0	757.0
50°	858.5	725.8	666.5	666.5
52.5°	764.0	636.4	577.1	571.0
55°	657.5	534.8	474.5	467.5
57.5°	541.9	421.2	366.9	351.9
60°	419.2	306.6	251.3	243.3
62.5°	305.6	224.2	183.0	176.9
65°	230.2	191.0	156.8	150.8
67.5°	198.0	171.9	142.8	136.7
69°	184.0	162.9	136.7	130.7
70°	177.9	156.8	131.7	126.7
72.5°	163.9	143.8	120.6	118.6
75°	149.8	130.7	108.6	105.6
77.5°	144.8	113.6	93.5	91.5
80°	147.8	92.5	76.4	74.4
82.5°	120.6	74.4	59.3	56.3
85°	75.4	50.3	31.2	31.2
87.5°	19.1	16.1	9.0	9.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)