

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: P148966

Luminaire Tested: **TLM-F04-LED-E1-RW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P148966
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-7050
Description: TALON MEDIUM LED SITE LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (28) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10584.8 lumens
Efficiency: N/A
Efficacy: 103.6 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

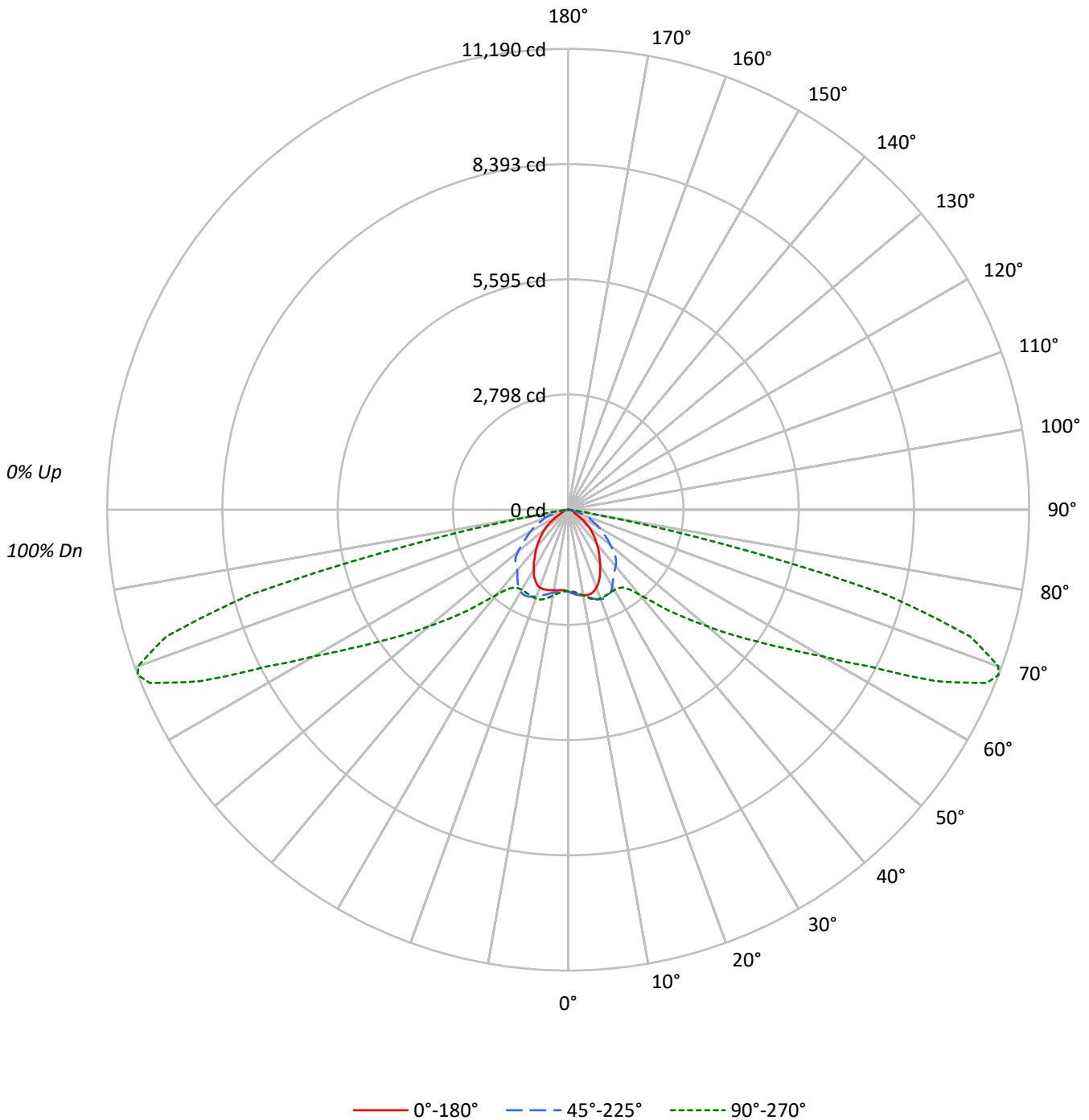
Input Watts (W): 102.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P148966

CATALOG NUMBER: TLM-F04-LED-E1-RW-7050

Luminous Intensity Polar Plot





TEST NUMBER: P148966

CATALOG NUMBER: TLM-F04-LED-E1-RW-7050

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					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°	31863	31863	31863
5°	33278	32439	31602
10°	34418	34529	32446
15°	35204	37363	33476
20°	34352	39218	34429
25°	32053	40182	33494
30°	28850	41715	30987
35°	25629	45211	27710
40°	22597	56256	24965
45°	19760	78830	21811
50°	16626	109894	18715
55°	11991	155959	14711
60°	7149	228372	8781
65°	6440	374175	6440
70°	6576	521822	6684
75°	7008	496636	7362
80°	7105	63948	7734
85°	4571	16037	6452



TEST NUMBER: P148966

CATALOG NUMBER: TLM-F04-LED-E1-RW-7050

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.5	1.8
10°-20°	613.7	5.8
20°-30°	994.2	9.4
30°-40°	1239.1	11.7
40°-50°	1548.4	14.6
50°-60°	1911.9	18.1
60°-70°	2375.7	22.4
70°-80°	1577.1	14.9
80°-90°	130.2	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°	1802.5	17.0
0°-40°	3041.6	28.7
0°-60°	6501.9	61.4
0°-90°	10584.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10584.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1983	1983	1983	1983	1983	
5°	2064	2051	2012	1980	1960	198
15°	2117	2225	2246	2136	2013	592
25°	1808	2303	2267	2324	1890	826
35°	1307	1925	2305	2141	1413	819
45°	870	1621	3470	1809	960	671
55°	428	1097	5568	1285	525	382
65°	169	636	9843	809	169	171
75°	113	251	8001	326	119	118
85°	25	47	87	62	35	32
90°	0	0	0	0	0	



TEST NUMBER: P148966

CATALOG NUMBER: TLM-F04-LED-E1-RW-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	1983.3	1983.3	1983.3	1983.3	1983.3	1983.3	1983.3	1983.3	1983.3	1983.3	1983.3
2.5°	2028.5	2035.2	2028.5	2028.5	2022.8	2017.2	2013.8	2005.9	2001.4	1999.1	1999.1
5°	2063.5	2062.3	2063.5	2063.5	2057.8	2051.1	2046.5	2039.8	2033.0	2031.9	2030.7
7.5°	2089.5	2088.3	2091.7	2098.5	2095.1	2089.5	2089.5	2082.7	2078.2	2078.2	2075.9
10°	2109.8	2110.9	2117.7	2127.9	2130.1	2129.0	2136.9	2134.6	2132.4	2134.6	2132.4
12.5°	2123.3	2124.5	2133.5	2152.7	2165.1	2173.0	2193.4	2194.5	2195.6	2195.6	2195.6
15°	2116.6	2116.6	2134.6	2170.8	2201.3	2225.0	2251.0	2255.5	2251.0	2254.4	2252.1
17.5°	2077.0	2079.3	2108.7	2164.0	2226.1	2278.1	2306.3	2298.4	2290.5	2290.5	2287.1
20°	2009.3	2013.8	2053.3	2131.2	2229.5	2312.0	2356.0	2330.0	2308.6	2305.2	2301.8
22.5°	1925.7	1922.3	1969.7	2068.0	2203.5	2326.6	2386.5	2354.9	2316.5	2308.6	2302.9
25°	1808.2	1810.5	1860.2	1969.7	2138.0	2302.9	2395.5	2379.7	2334.5	2324.4	2312.0
27.5°	1679.5	1685.1	1738.2	1850.0	2036.4	2244.2	2385.4	2404.6	2369.6	2358.3	2347.0
30°	1555.2	1558.6	1618.5	1738.2	1911.0	2140.3	2358.3	2431.7	2413.6	2404.6	2394.4
32.5°	1423.1	1434.4	1486.3	1621.9	1811.6	2026.2	2316.5	2459.9	2466.7	2461.0	2455.4
35°	1306.8	1315.8	1374.5	1516.8	1715.6	1924.6	2265.6	2490.4	2536.7	2535.6	2534.5
37.5°	1201.7	1204.0	1266.1	1410.7	1620.7	1853.4	2212.6	2540.1	2622.5	2633.8	2647.4
40°	1077.5	1088.8	1153.2	1309.0	1527.0	1792.4	2167.4	2606.7	2742.3	2767.1	2786.3
42.5°	978.1	978.1	1035.7	1190.4	1416.3	1722.4	2151.6	2690.3	2884.6	2918.5	2952.3
45°	869.7	873.1	928.4	1069.6	1289.8	1620.7	2149.3	2782.9	3043.8	3092.4	3134.2
47.5°	766.9	769.1	827.9	964.5	1158.8	1480.7	2121.1	2885.7	3211.0	3281.0	3327.3
50°	665.2	661.8	718.3	857.2	1042.5	1336.1	2030.7	3019.0	3418.8	3488.8	3541.9
52.5°	539.9	548.9	609.9	742.0	928.4	1213.0	1846.6	3150.0	3633.4	3712.5	3784.7
55°	428.1	426.9	495.8	615.5	805.3	1096.7	1628.6	3242.6	3842.3	3933.8	4014.0
57.5°	307.2	310.6	369.3	487.9	677.7	992.8	1463.7	3226.8	4003.8	4112.3	4213.9
60°	222.5	229.3	273.3	360.3	541.0	873.1	1348.5	3043.8	4114.5	4262.5	4385.6
62.5°	187.5	193.1	231.5	279.0	417.9	747.7	1236.7	2750.2	4258.0	4453.4	4631.8
65°	169.4	173.9	212.3	239.4	320.8	635.9	1166.7	2542.4	4446.6	4743.6	4987.6
67.5°	152.5	159.3	193.1	213.5	272.2	568.1	1146.4	2510.7	4482.7	4875.8	5222.5
69°	144.6	151.3	181.8	199.9	256.4	546.6	1108.0	2396.7	4246.7	4669.1	5057.6
70°	140.0	145.7	172.8	192.0	251.9	526.3	1053.8	2229.5	3995.9	4421.7	4839.6
72.5°	128.8	132.1	154.7	173.9	231.5	404.3	798.5	1610.6	2982.8	3404.1	3814.1
75°	112.9	116.3	136.7	155.9	179.6	250.7	484.5	955.5	1830.8	2114.3	2525.4
77.5°	97.1	100.5	117.5	146.8	142.3	163.8	295.9	571.5	960.0	1101.2	1364.4
80°	76.8	81.3	98.3	141.2	118.6	129.9	216.9	422.4	583.9	642.6	711.5
82.5°	54.2	56.5	74.5	112.9	89.2	98.3	162.6	351.3	468.7	511.6	532.0
85°	24.8	26.0	44.0	66.6	53.1	47.4	87.0	224.8	310.6	323.0	341.1
87.5°	0.0	0.0	4.5	4.5	9.0	5.6	10.2	28.2	47.4	47.4	57.6
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: P148966

CATALOG NUMBER: TLM-F04-LED-E1-RW-7050

CANDELA DISTRIBUTION (continued):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	1983.3	1983.3	1983.3	1983.3	1983.3	1983.3	1983.3	1983.3	1983.3	1983.3	1983.3
2.5°	2000.2	1999.1	2000.2	2000.2	2001.4	1996.8	1995.7	1994.6	1993.5	1994.6	1992.3
5°	2030.7	2029.6	2029.6	2030.7	2029.6	2026.2	2025.1	2025.1	2021.7	2020.6	2020.6
7.5°	2077.0	2074.8	2071.4	2073.6	2074.8	2073.6	2074.8	2071.4	2071.4	2068.0	2069.1
10°	2134.6	2132.4	2131.2	2133.5	2134.6	2133.5	2134.6	2130.1	2129.0	2127.9	2125.6
12.5°	2197.9	2193.4	2196.7	2196.7	2197.9	2202.4	2196.7	2199.0	2194.5	2194.5	2193.4
15°	2253.2	2252.1	2254.4	2254.4	2253.2	2256.6	2255.5	2256.6	2251.0	2248.7	2254.4
17.5°	2288.2	2284.8	2286.0	2284.8	2284.8	2284.8	2287.1	2287.1	2283.7	2282.6	2284.8
20°	2297.3	2291.6	2290.5	2289.4	2287.1	2287.1	2288.2	2286.0	2283.7	2281.5	2283.7
22.5°	2295.0	2288.2	2281.5	2278.1	2274.7	2270.2	2269.0	2266.8	2263.4	2263.4	2264.5
25°	2302.9	2290.5	2280.3	2273.6	2264.5	2258.9	2254.4	2248.7	2243.1	2239.7	2240.8
27.5°	2330.0	2316.5	2302.9	2289.4	2275.8	2264.5	2255.5	2245.3	2236.3	2229.5	2226.1
30°	2380.8	2362.8	2347.0	2331.2	2314.2	2298.4	2283.7	2267.9	2251.0	2240.8	2231.8
32.5°	2439.6	2427.2	2417.0	2398.9	2380.8	2361.6	2343.6	2330.0	2305.2	2286.0	2270.2
35°	2528.8	2524.3	2518.6	2505.1	2484.8	2474.6	2459.9	2438.4	2409.1	2392.1	2368.4
37.5°	2651.9	2653.0	2648.5	2642.9	2645.1	2625.9	2616.9	2614.6	2585.3	2574.0	2539.0
40°	2803.3	2820.2	2834.9	2834.9	2846.2	2847.3	2845.0	2864.2	2842.8	2847.3	2810.0
42.5°	2971.5	3012.2	3034.8	3051.7	3089.0	3105.9	3134.2	3176.0	3178.2	3199.7	3201.9
45°	3170.3	3215.5	3258.4	3302.5	3352.2	3410.9	3469.6	3512.5	3580.3	3595.0	3643.6
47.5°	3377.0	3442.5	3492.2	3548.7	3633.4	3709.1	3796.0	3884.1	3962.1	4017.4	4049.0
50°	3605.2	3671.8	3744.1	3807.3	3897.7	4003.8	4124.7	4245.5	4346.1	4444.3	4523.4
52.5°	3858.1	3931.6	3999.3	4081.8	4173.3	4299.8	4431.9	4597.9	4732.3	4866.7	4963.9
55°	4101.0	4183.4	4245.5	4350.6	4445.5	4575.3	4739.1	4935.6	5122.0	5284.6	5416.8
57.5°	4312.2	4393.5	4480.5	4570.8	4686.0	4815.9	5016.9	5240.6	5452.9	5666.4	5861.8
60°	4509.8	4619.4	4714.3	4834.0	4949.2	5099.4	5338.8	5615.5	5905.8	6171.2	6366.6
62.5°	4808.0	4948.1	5059.9	5207.8	5368.2	5545.5	5809.8	6114.8	6493.1	6835.3	7139.2
65°	5224.8	5439.4	5620.1	5801.9	5997.3	6241.3	6527.0	6914.4	7332.3	7838.3	8239.2
67.5°	5521.8	5790.6	6024.4	6252.5	6477.3	6747.2	7100.8	7554.8	8095.8	8627.7	9137.1
69°	5402.1	5686.7	5946.5	6173.5	6410.7	6680.6	7025.1	7523.2	8074.3	8659.4	9164.2
70°	5150.2	5457.4	5735.3	5952.1	6194.9	6462.6	6843.2	7318.7	7881.2	8486.6	8981.3
72.5°	4141.6	4465.8	4740.2	4980.8	5234.9	5548.9	5887.7	6344.0	6967.5	7560.4	8000.9
75°	2853.0	3155.6	3466.2	3645.8	3937.2	4160.8	4482.7	4950.3	5471.0	5906.9	6314.7
77.5°	1614.0	1776.6	2011.5	2084.9	2293.9	2443.0	2613.5	2901.5	3172.6	3425.6	3499.0
80°	734.1	685.6	709.3	673.1	712.7	687.8	659.6	675.4	672.0	722.8	675.4
82.5°	528.6	456.3	379.5	327.5	288.0	244.0	207.8	186.4	184.1	193.1	189.7
85°	337.7	308.3	241.7	194.3	149.1	115.2	96.0	87.0	87.0	92.6	91.5
87.5°	58.7	50.8	31.6	27.1	23.7	15.8	10.2	10.2	9.0	11.3	14.7
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: P148966

CATALOG NUMBER: TLM-F04-LED-E1-RW-7050

CANDELA DISTRIBUTION (continued):

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	1983.3	1983.3	1983.3	1983.3	1983.3	1983.3	1983.3	1983.3	1983.3	1983.3	1983.3
2.5°	1992.3	1991.2	1988.9	1987.8	1987.8	1985.5	1984.4	1986.7	1987.8	1988.9	1985.5
5°	2020.6	2017.2	2016.0	2017.2	2011.5	2012.7	2011.5	2012.7	2012.7	2012.7	2010.4
7.5°	2065.7	2062.3	2064.6	2062.3	2059.0	2057.8	2057.8	2054.4	2049.9	2048.8	2049.9
10°	2127.9	2123.3	2124.5	2125.6	2122.2	2119.9	2116.6	2112.0	2112.0	2110.9	2108.7
12.5°	2194.5	2192.2	2192.2	2193.4	2192.2	2187.7	2183.2	2180.9	2179.8	2179.8	2179.8
15°	2252.1	2251.0	2252.1	2251.0	2251.0	2248.7	2246.4	2243.1	2241.9	2243.1	2244.2
17.5°	2284.8	2281.5	2284.8	2286.0	2284.8	2284.8	2284.8	2282.6	2281.5	2281.5	2282.6
20°	2287.1	2284.8	2287.1	2290.5	2290.5	2291.6	2293.9	2295.0	2293.9	2296.1	2297.3
22.5°	2264.5	2264.5	2267.9	2271.3	2276.9	2279.2	2283.7	2286.0	2288.2	2291.6	2293.9
25°	2241.9	2240.8	2244.2	2251.0	2255.5	2261.1	2266.8	2271.3	2275.8	2280.3	2284.8
27.5°	2226.1	2225.0	2227.2	2232.9	2238.5	2245.3	2254.4	2261.1	2266.8	2272.4	2275.8
30°	2227.2	2222.7	2221.6	2226.1	2231.8	2239.7	2248.7	2256.6	2264.5	2269.0	2272.4
32.5°	2260.0	2248.7	2244.2	2243.1	2245.3	2251.0	2257.7	2265.6	2271.3	2275.8	2276.9
35°	2344.7	2323.2	2318.7	2304.0	2306.3	2305.2	2305.2	2309.7	2314.2	2314.2	2306.3
37.5°	2516.4	2485.9	2464.4	2449.7	2435.1	2433.9	2431.7	2429.4	2418.1	2411.3	2410.2
40°	2784.1	2771.6	2731.0	2719.7	2694.8	2677.9	2682.4	2673.4	2646.3	2636.1	2631.6
42.5°	3174.8	3181.6	3159.0	3105.9	3084.5	3051.7	3024.6	3020.1	2995.3	2974.9	2959.1
45°	3633.4	3645.8	3628.9	3590.5	3552.1	3502.4	3469.6	3406.4	3381.5	3349.9	3328.4
47.5°	4104.4	4138.2	4111.1	4077.3	4055.8	3977.9	3910.1	3836.7	3799.4	3754.2	3733.9
50°	4571.9	4631.8	4616.0	4584.4	4560.7	4462.4	4396.9	4295.2	4273.8	4228.6	4203.8
52.5°	5039.5	5098.3	5133.3	5103.9	5087.0	5007.9	4962.7	4881.4	4820.4	4792.2	4791.1
55°	5511.6	5606.5	5661.9	5651.7	5623.5	5613.3	5568.1	5560.2	5512.8	5482.3	5441.6
57.5°	5973.6	6074.1	6170.1	6226.6	6250.3	6242.4	6263.8	6261.6	6268.4	6265.0	6198.3
60°	6560.9	6720.1	6860.2	6949.4	7034.1	7092.8	7107.5	7194.5	7169.6	7223.9	7120.0
62.5°	7389.9	7596.6	7808.9	7902.7	8006.6	8197.4	8242.6	8345.4	8361.2	8374.8	8319.4
65°	8545.3	8816.4	9137.1	9280.6	9443.2	9688.3	9843.0	9952.6	9949.2	9874.6	9803.5
67.5°	9531.3	9852.1	10146.8	10396.4	10639.3	10830.1	10992.8	11140.7	11148.6	11102.3	10980.4
69°	9616.0	9951.4	10272.2	10572.6	10813.2	11025.5	11190.4	11305.6	11330.5	11289.8	11176.9
70°	9459.0	9797.8	10146.8	10434.8	10707.0	10931.8	11109.1	11219.8	11253.7	11211.9	11105.7
72.5°	8493.3	8822.0	9082.9	9421.7	9809.1	9950.3	10223.6	10314.0	10397.6	10342.2	10279.0
75°	6653.5	6963.0	7232.9	7409.1	7586.4	7935.4	8000.9	8170.3	8227.9	8173.7	8243.7
77.5°	3466.2	3675.2	3765.5	3624.4	3645.8	3921.4	3765.5	3948.5	4053.5	4084.0	4128.1
80°	663.0	696.9	722.8	713.8	722.8	743.2	691.2	663.0	700.2	692.3	692.3
82.5°	195.4	192.0	192.0	202.2	201.0	205.6	205.6	197.7	203.3	203.3	204.4
85°	89.2	84.7	83.6	84.7	83.6	83.6	87.0	87.0	93.7	88.1	89.2
87.5°	11.3	10.2	11.3	11.3	9.0	9.0	10.2	11.3	11.3	10.2	10.2
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: P148966

CATALOG NUMBER: TLM-F04-LED-E1-RW-7050

CANDELA DISTRIBUTION (continued):

	95°	96°	97°	98°	99°	100°	105°	115°	125°	135°	145°
0°	1983.3	1983.3	1983.3	1983.3	1983.3	1983.3	1983.3	1983.3	1983.3	1983.3	1983.3
2.5°	1984.4	1983.3	1983.3	1983.3	1982.2	1981.0	1979.9	1976.5	1973.1	1972.0	1966.3
5°	2005.9	2007.0	2004.7	2002.5	2002.5	2002.5	1999.1	1990.1	1983.3	1979.9	1972.0
7.5°	2051.1	2048.8	2045.4	2044.3	2042.0	2043.1	2036.4	2025.1	2012.7	2004.7	1992.3
10°	2110.9	2108.7	2106.4	2104.1	2100.7	2100.7	2092.8	2075.9	2056.7	2043.1	2020.6
12.5°	2180.9	2178.7	2176.4	2175.3	2169.6	2168.5	2157.2	2136.9	2112.0	2086.1	2053.3
15°	2245.3	2241.9	2240.8	2237.4	2234.0	2232.9	2222.7	2195.6	2165.1	2135.8	2092.8
17.5°	2286.0	2283.7	2280.3	2278.1	2276.9	2275.8	2261.1	2238.5	2214.8	2185.5	2133.5
20°	2299.5	2300.7	2298.4	2296.1	2292.8	2290.5	2276.9	2255.5	2251.0	2235.2	2182.1
22.5°	2297.3	2297.3	2296.1	2291.6	2289.4	2283.7	2264.5	2254.4	2279.2	2286.0	2218.2
25°	2288.2	2287.1	2283.7	2280.3	2273.6	2265.6	2236.3	2241.9	2312.0	2324.4	2226.1
27.5°	2278.1	2276.9	2271.3	2263.4	2253.2	2241.9	2204.7	2241.9	2342.4	2332.3	2193.4
30°	2272.4	2267.9	2260.0	2248.7	2235.2	2222.7	2182.1	2271.3	2363.9	2305.2	2103.0
32.5°	2273.6	2265.6	2254.4	2239.7	2223.9	2209.2	2180.9	2323.2	2371.8	2239.7	1975.4
35°	2300.7	2288.2	2273.6	2258.9	2243.1	2229.5	2231.8	2395.5	2370.7	2141.4	1852.3
37.5°	2398.9	2377.5	2367.3	2351.5	2328.9	2317.6	2362.8	2475.7	2354.9	2021.7	1743.8
40°	2615.8	2597.7	2583.0	2542.4	2550.3	2541.2	2584.1	2585.3	2334.5	1921.2	1653.5
42.5°	2932.0	2932.0	2900.4	2894.7	2873.3	2883.4	2902.6	2714.0	2314.2	1861.3	1564.3
45°	3304.7	3333.0	3320.5	3317.1	3334.1	3354.4	3266.3	2866.5	2315.3	1809.4	1460.4
47.5°	3747.5	3771.2	3783.6	3803.9	3825.4	3813.0	3631.1	3026.9	2335.7	1734.8	1327.1
50°	4218.4	4276.0	4294.1	4320.1	4339.3	4342.7	3976.7	3191.8	2357.1	1598.1	1182.5
52.5°	4802.4	4856.6	4875.8	4893.8	4879.2	4866.7	4315.6	3387.2	2340.2	1435.5	1059.4
55°	5489.1	5499.2	5495.8	5473.2	5460.8	5393.0	4629.6	3595.0	2208.0	1285.3	941.9
57.5°	6204.0	6208.5	6167.8	6088.8	5997.3	5932.9	4931.1	3766.7	1927.9	1164.4	825.6
60°	7124.5	7031.9	6963.0	6842.1	6693.0	6555.2	5254.1	3862.7	1660.3	1048.1	694.6
62.5°	8235.8	8050.6	7901.5	7779.5	7559.3	7316.5	5666.4	3875.1	1497.6	937.4	545.5
65°	9674.7	9479.3	9225.2	9016.3	8778.0	8450.4	6331.6	3785.9	1417.4	808.7	398.7
67.5°	10807.6	10609.9	10325.3	10091.5	9784.3	9402.5	6882.8	3630.0	1398.2	692.3	314.0
69°	11005.2	10789.5	10533.1	10240.6	9914.2	9506.4	6904.2	3449.3	1368.9	648.3	288.0
70°	10932.9	10708.2	10460.8	10150.2	9784.3	9365.3	6741.6	3248.3	1310.1	623.4	279.0
72.5°	10122.0	9779.8	9531.3	9265.9	8820.9	8396.2	5804.2	2457.6	1019.9	525.2	260.9
75°	8103.7	7811.2	7531.1	7398.9	7029.6	6669.3	4357.4	1560.9	666.4	326.4	204.4
77.5°	4131.5	4078.4	4158.6	4098.7	3832.2	3832.2	2689.2	829.0	391.9	196.5	155.9
80°	742.0	773.7	759.0	790.6	735.3	816.6	945.3	556.8	277.8	150.2	127.6
82.5°	207.8	210.1	207.8	208.9	215.7	227.0	491.3	478.9	214.6	112.9	99.4
85°	97.1	98.3	100.5	100.5	109.6	111.8	329.8	343.3	125.4	62.1	66.6
87.5°	11.3	14.7	14.7	13.6	15.8	15.8	61.0	68.9	16.9	12.4	20.3
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: P148966

CATALOG NUMBER: TLM-F04-LED-E1-RW-7050

CANDELA DISTRIBUTION (continued):

	155°	165°	175°	180°
0°	1983.3	1983.3	1983.3	1983.3
2.5°	1961.8	1957.3	1952.8	1956.2
5°	1968.6	1961.8	1956.2	1959.6
7.5°	1986.7	1975.4	1974.3	1974.3
10°	2009.3	1993.5	1988.9	1988.9
12.5°	2033.0	2011.5	2003.6	2003.6
15°	2057.8	2027.3	2016.0	2012.7
17.5°	2086.1	2043.1	2022.8	2022.8
20°	2113.2	2045.4	2014.9	2013.8
22.5°	2117.7	2019.4	1975.4	1973.1
25°	2083.8	1958.4	1900.8	1889.5
27.5°	2003.6	1863.6	1802.6	1800.3
30°	1882.8	1739.3	1677.2	1670.4
32.5°	1764.2	1611.7	1554.1	1554.1
35°	1644.5	1495.4	1420.8	1412.9
37.5°	1533.8	1372.3	1305.6	1304.5
40°	1432.1	1265.0	1200.6	1190.4
42.5°	1330.5	1152.0	1078.6	1076.4
45°	1209.6	1028.9	965.7	960.0
47.5°	1080.9	918.2	851.6	850.5
50°	964.5	815.5	748.8	748.8
52.5°	858.4	714.9	648.3	641.5
55°	738.6	600.9	533.1	525.2
57.5°	608.8	473.2	412.2	395.3
60°	471.0	344.5	282.4	273.3
62.5°	343.3	251.9	205.6	198.8
65°	258.6	214.6	176.2	169.4
67.5°	222.5	193.1	160.4	153.6
69°	206.7	183.0	153.6	146.8
70°	199.9	176.2	148.0	142.3
72.5°	184.1	161.5	135.5	133.3
75°	168.3	146.8	122.0	118.6
77.5°	162.6	127.6	105.0	102.8
80°	166.0	103.9	85.8	83.6
82.5°	135.5	83.6	66.6	63.2
85°	84.7	56.5	35.0	35.0
87.5°	21.5	18.1	10.2	10.2
90°	0.0	0.0	0.0	0.0

(END OF REPORT)