

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: P154571

Luminaire Tested: **TLM-E05-LED-E1-T2-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P154571
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33671)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TLM-E05-LED-E1-T2-7050
Description: TALON MEDIUM LED SITE LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (105) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

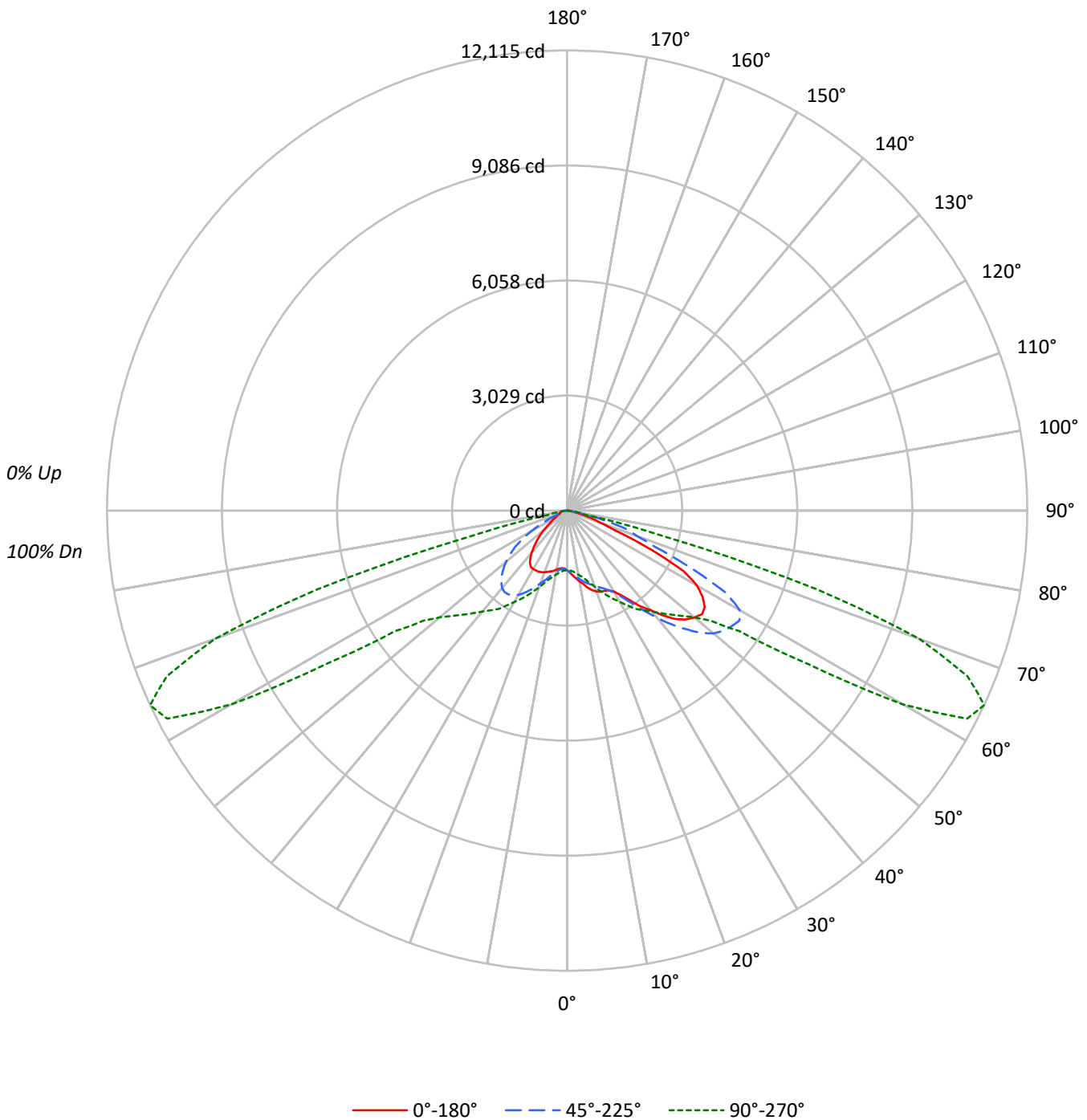
Lumens per Lamp: N/A
Luminaire Lumens: 15719.2 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Spacing Criteria (0/90/45): 2.21 / 4.51 / 2.52
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
CIE Type: Direct

Input Watts (W): 127.3
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: P154571
CATALOG NUMBER: TLM-E05-LED-E1-T2-7050

Luminous Intensity Polar Plot





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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	107	101	96	91	104	98	94	90	94	90	87	90	87	84	86	84	81	79					79			
2	94	84	76	69	91	82	75	68	78	72	66	75	70	65	72	67	63	61					61			
3	84	71	61	53	81	69	60	53	66	58	51	63	56	50	60	54	50	47					47			
4	75	60	50	42	72	59	49	41	56	48	41	54	46	40	51	45	39	37					37			
5	67	52	42	34	65	51	41	33	49	40	33	46	39	33	44	38	32	30					30			
6	61	46	35	28	59	45	35	27	43	34	27	41	33	27	39	32	27	24					24			
7	56	40	30	23	54	40	30	23	38	29	23	36	28	23	35	28	22	20					20			
8	52	36	26	20	50	35	26	20	34	26	19	33	25	19	31	24	19	17					17			
9	48	33	23	17	46	32	23	17	31	23	17	30	22	17	28	22	17	15					15			
10	45	30	21	15	43	29	21	15	28	20	15	27	20	15	26	19	15	13					13			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	20383	20383	20383
5°	22286	20882	19815
10°	24931	22588	20697
15°	28242	25234	22250
20°	31320	29549	23838
25°	33355	35116	25402
30°	36826	41513	26634
35°	45594	50088	26993
40°	57874	58743	24580
45°	74115	71074	20732
50°	88294	88054	16183
55°	99954	125165	11522
60°	102332	264414	9049
65°	75255	371761	7610
70°	35730	374030	7523
75°	19451	138906	9170
80°	9193	22226	11748
85°	4330	13734	13734



TEST NUMBER: P154571

CATALOG NUMBER: TLM-E05-LED-E1-T2-7050

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.4	1.0
10°-20°	540.6	3.4
20°-30°	1062.0	6.8
30°-40°	1764.6	11.2
40°-50°	2592.9	16.5
50°-60°	3589.9	22.8
60°-70°	4284.8	27.3
70°-80°	1515.3	9.6
80°-90°	211.7	1.3
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°	1759.9	11.2
0°-40°	3524.6	22.4
0°-60°	9707.3	61.8
0°-90°	15719.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15719.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1572	1572	1572	1572	1572	
5°	1712	1679	1604	1543	1522	169
15°	2104	1972	1880	1804	1657	598
25°	2331	2261	2454	2307	1775	1086
35°	2880	2977	3164	2695	1705	1841
45°	4041	4410	3875	2442	1130	3093
55°	4421	5300	5536	1669	510	3873
65°	2452	3655	12115	516	248	2391
75°	388	1100	2772	207	183	479
85°	29	60	92	157	92	41
90°	0	0	0	0	0	



TEST NUMBER: P154571

CATALOG NUMBER: TLM-E05-LED-E1-T2-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7
2.5°	1640.1	1641.8	1638.3	1636.6	1631.5	1623.0	1616.1	1609.3	1609.3	1609.3	1604.1
5°	1711.9	1715.3	1708.5	1703.3	1687.9	1679.4	1667.4	1658.9	1655.5	1653.7	1648.6
7.5°	1802.5	1797.4	1787.1	1783.7	1771.7	1752.9	1730.7	1713.6	1713.6	1711.9	1713.6
10°	1893.2	1879.5	1874.4	1869.2	1850.4	1826.5	1800.8	1782.0	1780.3	1778.6	1773.5
12.5°	1983.8	1978.7	1973.5	1954.7	1935.9	1898.3	1869.2	1850.4	1848.7	1850.4	1843.6
15°	2103.5	2091.5	2086.4	2053.9	2012.9	1971.8	1935.9	1918.8	1913.7	1915.4	1910.3
17.5°	2195.9	2195.9	2183.9	2148.0	2095.0	2038.5	2000.9	1990.6	1988.9	1988.9	1990.6
20°	2269.4	2267.7	2255.7	2226.6	2163.4	2106.9	2088.1	2084.7	2083.0	2083.0	2088.1
22.5°	2310.4	2307.0	2301.9	2269.4	2219.8	2182.2	2183.9	2194.2	2197.6	2201.0	2207.8
25°	2331.0	2325.8	2324.1	2301.9	2266.0	2260.9	2291.6	2319.0	2325.8	2332.7	2341.2
27.5°	2365.2	2356.6	2360.0	2351.5	2342.9	2358.3	2421.6	2450.7	2455.8	2464.4	2469.5
30°	2459.2	2455.8	2469.5	2472.9	2479.8	2502.0	2560.1	2587.5	2599.5	2599.5	2623.4
32.5°	2638.8	2640.5	2643.9	2679.8	2691.8	2707.2	2738.0	2760.2	2761.9	2763.6	2785.9
35°	2879.9	2890.2	2919.3	2950.1	2979.1	2977.4	2958.6	2970.6	2962.0	2972.3	2974.0
37.5°	3184.3	3170.7	3213.4	3283.5	3328.0	3316.0	3232.2	3177.5	3192.9	3186.1	3180.9
40°	3418.6	3434.0	3516.1	3608.5	3642.7	3680.3	3570.8	3476.8	3463.1	3437.5	3422.1
42.5°	3741.9	3743.6	3810.3	3878.7	3977.9	4060.0	3989.8	3854.7	3813.7	3782.9	3716.2
45°	4041.1	4036.0	4090.7	4174.5	4292.5	4410.5	4436.2	4289.1	4273.7	4219.0	4131.8
47.5°	4241.2	4234.4	4272.0	4381.5	4573.0	4766.3	4872.3	4827.8	4798.8	4776.5	4639.7
50°	4376.3	4362.7	4405.4	4521.7	4735.5	5033.0	5310.1	5347.7	5335.7	5335.7	5248.5
52.5°	4477.2	4477.2	4508.0	4602.1	4819.3	5190.4	5686.3	5876.2	5891.6	5908.7	5903.5
55°	4420.8	4429.4	4506.3	4643.1	4872.3	5299.8	5997.6	6413.2	6498.7	6570.5	6652.6
57.5°	4227.6	4256.6	4359.2	4583.3	4886.0	5381.9	6343.0	7165.6	7406.8	7615.4	7940.3
60°	3945.4	3983.0	4131.8	4417.4	4785.1	5248.5	6464.5	7801.8	8184.9	8639.8	9488.1
62.5°	3461.4	3499.0	3644.4	3930.0	4244.7	4737.2	5961.7	7895.9	8508.1	9152.9	10435.5
65°	2452.4	2392.5	2560.1	2816.7	3177.5	3654.6	4817.6	7264.8	8145.6	9019.5	10603.1
67.5°	1366.4	1361.3	1463.9	1655.5	2000.9	2514.0	3319.5	5571.8	6382.4	7372.6	9317.0
70°	942.3	952.6	1017.6	1224.5	1510.1	1953.0	2365.2	3499.0	4082.2	4754.3	6666.3
72.5°	661.8	684.1	720.0	843.1	1135.6	1645.2	2416.5	2091.5	2382.3	2840.6	4008.7
75°	388.2	403.6	429.3	489.1	646.4	1099.6	2502.0	1838.4	1838.4	1946.2	2425.0
77.5°	239.4	239.4	254.8	278.8	343.7	538.7	1782.0	2065.9	2007.7	1946.2	1951.3
80°	123.1	131.7	153.9	165.9	191.5	246.3	800.4	1927.4	2113.8	2238.6	2151.4
82.5°	56.4	63.3	94.1	100.9	111.2	130.0	275.3	1096.2	1469.0	1934.2	2416.5
85°	29.1	29.1	49.6	61.6	66.7	59.9	100.9	442.9	670.4	1022.7	1600.7
87.5°	5.1	5.1	8.6	10.3	15.4	13.7	17.1	25.7	42.8	46.2	47.9
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: P154571

CATALOG NUMBER: TLM-E05-LED-E1-T2-7050

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7
2.5°	1602.4	1604.1	1602.4	1600.7	1597.3	1597.3	1597.3	1595.6	1595.6	1595.6	1593.9
5°	1648.6	1641.8	1643.5	1640.1	1638.3	1636.6	1638.3	1634.9	1631.5	1633.2	1631.5
7.5°	1706.8	1703.3	1696.5	1696.5	1694.8	1691.4	1691.4	1686.2	1684.5	1681.1	1679.4
10°	1771.7	1763.2	1766.6	1763.2	1764.9	1758.1	1754.6	1751.2	1747.8	1747.8	1749.5
12.5°	1838.4	1836.7	1831.6	1828.2	1828.2	1823.0	1824.8	1823.0	1817.9	1816.2	1811.1
15°	1906.8	1906.8	1901.7	1903.4	1901.7	1898.3	1894.9	1894.9	1891.5	1888.0	1889.7
17.5°	1987.2	1987.2	1987.2	1987.2	1988.9	1983.8	1985.5	1982.1	1978.7	1985.5	1985.5
20°	2091.5	2098.4	2098.4	2096.7	2105.2	2100.1	2098.4	2106.9	2098.4	2110.4	2108.6
22.5°	2211.3	2218.1	2218.1	2224.9	2226.6	2231.8	2235.2	2231.8	2238.6	2245.5	2245.5
25°	2344.7	2351.5	2356.6	2366.9	2372.0	2368.6	2370.3	2378.9	2382.3	2389.1	2396.0
27.5°	2484.9	2486.6	2493.4	2505.4	2514.0	2517.4	2519.1	2532.8	2534.5	2537.9	2544.7
30°	2621.7	2638.8	2635.4	2650.8	2655.9	2661.0	2671.3	2676.4	2688.4	2695.2	2695.2
32.5°	2782.5	2779.0	2792.7	2804.7	2813.2	2821.8	2830.3	2837.2	2844.0	2847.4	2864.5
35°	2982.5	2989.4	2989.4	2991.1	3011.6	3013.3	3020.2	3035.6	3040.7	3051.0	3057.8
37.5°	3180.9	3169.0	3167.2	3167.2	3160.4	3165.5	3167.2	3169.0	3175.8	3177.5	3184.3
40°	3403.2	3387.9	3374.2	3365.6	3351.9	3333.1	3329.7	3321.2	3326.3	3324.6	3326.3
42.5°	3707.7	3664.9	3632.4	3608.5	3581.1	3560.6	3545.2	3523.0	3507.6	3488.8	3485.3
45°	4095.9	4015.5	3960.8	3921.4	3882.1	3825.7	3793.2	3759.0	3728.2	3697.4	3671.7
47.5°	4605.5	4520.0	4432.8	4360.9	4299.4	4208.7	4116.4	4065.1	4005.2	3952.2	3914.6
50°	5205.8	5103.2	5062.1	4961.2	4884.3	4747.4	4632.9	4549.1	4429.4	4349.0	4278.9
52.5°	5819.7	5794.1	5771.8	5686.3	5595.7	5517.0	5416.1	5269.1	5147.6	5055.3	4911.6
55°	6656.0	6668.0	6659.4	6613.2	6580.8	6505.5	6464.5	6336.2	6281.5	6148.1	5997.6
57.5°	8063.5	8159.2	8280.7	8328.6	8393.5	8332.0	8403.8	8491.0	8273.8	8349.1	8214.0
60°	9860.9	10300.4	10562.0	10883.6	11093.9	11388.1	11441.1	11518.0	11495.8	11538.6	11625.8
62.5°	10958.8	11480.4	11981.5	12345.8	12735.7	12951.2	13211.1	13392.4	13580.5	13707.1	13671.1
65°	11282.0	11819.0	12273.9	12672.4	13021.3	13284.6	13525.8	13753.2	13926.0	14047.4	14119.2
67.5°	10095.2	10796.3	11275.2	11742.1	12191.8	12468.9	12670.7	12891.3	13144.4	13354.8	13395.8
70°	7596.6	8648.4	9327.3	9886.5	10415.0	10787.8	11070.0	11275.2	11471.9	11622.4	11786.5
72.5°	4750.9	5670.9	6447.4	7172.5	7733.4	8246.5	8484.2	8939.1	8879.2	8993.8	9116.9
75°	2847.4	3295.5	3723.1	4234.4	4528.5	4956.1	5033.0	5108.3	5069.0	4940.7	5036.5
77.5°	1978.7	2052.2	2048.8	2019.7	1988.9	1913.7	1816.2	1763.2	1727.3	1676.0	1696.5
80°	1990.6	1831.6	1588.8	1335.6	1103.1	949.1	887.6	887.6	950.9	1041.5	1132.1
82.5°	2378.9	2209.5	1970.1	1648.6	1306.6	1063.7	901.3	836.3	848.2	940.6	1056.9
85°	1604.1	1641.8	1440.0	1316.8	1043.2	812.3	680.6	552.4	489.1	504.5	571.2
87.5°	58.1	70.1	25.7	34.2	23.9	20.5	20.5	22.2	15.4	18.8	17.1
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: P154571

CATALOG NUMBER: TLM-E05-LED-E1-T2-7050

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7
2.5°	1592.2	1590.5	1590.5	1587.0	1587.0	1585.3	1585.3	1583.6	1581.9	1581.9	1580.2
5°	1629.8	1628.1	1624.7	1623.0	1619.5	1619.5	1617.8	1614.4	1614.4	1611.0	1609.3
7.5°	1682.8	1679.4	1676.0	1674.3	1672.6	1667.4	1667.4	1664.0	1664.0	1660.6	1658.9
10°	1746.1	1742.7	1739.2	1741.0	1735.8	1734.1	1730.7	1730.7	1725.6	1723.9	1723.9
12.5°	1814.5	1812.8	1812.8	1807.7	1805.9	1804.2	1797.4	1797.4	1797.4	1794.0	1795.7
15°	1888.0	1889.7	1884.6	1889.7	1888.0	1882.9	1882.9	1882.9	1876.1	1884.6	1877.8
17.5°	1987.2	1992.4	1988.9	1990.6	1987.2	1987.2	1988.9	1987.2	1990.6	1990.6	2000.9
20°	2110.4	2112.1	2120.6	2117.2	2117.2	2115.5	2118.9	2120.6	2127.5	2124.0	2130.9
22.5°	2245.5	2254.0	2255.7	2262.6	2262.6	2260.9	2264.3	2271.1	2274.5	2279.7	2278.0
25°	2399.4	2404.5	2411.3	2402.8	2416.5	2416.5	2419.9	2428.4	2430.2	2430.2	2442.1
27.5°	2543.0	2556.7	2558.4	2567.0	2561.8	2565.3	2577.2	2582.4	2589.2	2589.2	2592.6
30°	2705.5	2710.6	2714.0	2724.3	2722.6	2724.3	2726.0	2734.6	2734.6	2743.1	2751.7
32.5°	2873.1	2876.5	2879.9	2890.2	2893.6	2900.5	2897.0	2903.9	2912.4	2914.1	2919.3
35°	3073.2	3076.6	3080.0	3095.4	3097.1	3109.1	3112.5	3109.1	3122.8	3114.2	3122.8
37.5°	3189.5	3204.9	3208.3	3218.6	3215.1	3223.7	3228.8	3235.7	3239.1	3245.9	3259.6
40°	3331.4	3336.6	3346.8	3351.9	3358.8	3360.5	3367.3	3372.5	3377.6	3393.0	3408.4
42.5°	3476.8	3483.6	3488.8	3495.6	3504.2	3511.0	3516.1	3531.5	3534.9	3545.2	3574.3
45°	3652.9	3649.5	3651.2	3652.9	3656.4	3664.9	3680.3	3695.7	3706.0	3729.9	3753.8
47.5°	3871.8	3849.6	3841.1	3827.4	3830.8	3849.6	3853.0	3878.7	3899.2	3921.4	3950.5
50°	4203.6	4143.8	4107.8	4071.9	4068.5	4078.8	4092.5	4119.8	4143.8	4172.8	4213.9
52.5°	4761.1	4646.5	4574.7	4475.5	4448.2	4443.0	4432.8	4448.2	4455.0	4494.3	4571.3
55°	5889.8	5677.8	5541.0	5387.1	5243.4	5200.6	5118.6	5135.7	5118.6	5142.5	5257.1
57.5°	8246.5	8077.2	7943.8	7747.1	7500.8	7239.2	7174.2	6905.7	6958.7	7112.6	7013.4
60°	11668.5	11607.0	11511.2	11417.1	11080.2	10890.4	10580.9	10546.7	10329.5	10331.2	10189.2
62.5°	13583.9	13662.6	13604.4	13577.1	13558.3	13498.4	13344.5	13159.8	12882.8	12682.7	12388.5
65°	14131.2	14064.5	14001.2	13992.7	13987.5	14085.0	14107.2	13977.3	13725.9	13414.6	13076.0
67.5°	13493.3	13455.7	13459.1	13387.3	13431.7	13601.0	13719.0	13683.1	13452.2	13076.0	12645.0
70°	11974.7	11901.1	11976.4	12070.4	12137.1	12234.6	12352.6	12381.7	12171.3	11784.8	11345.3
72.5°	8966.5	8978.4	9050.2	9075.9	9344.4	9317.0	9423.1	9077.6	8925.4	8557.7	8332.0
75°	4718.4	4641.4	4841.5	4417.4	4242.9	4364.4	4024.0	3697.4	3765.8	3822.2	3415.2
77.5°	1667.4	1559.7	1376.7	1303.2	1084.3	918.4	750.8	677.2	637.9	617.4	591.7
80°	1197.1	1231.3	1193.7	1104.8	938.9	752.5	593.4	468.6	401.9	366.0	342.0
82.5°	1210.8	1345.9	1405.8	1380.1	1229.6	930.3	614.0	391.6	290.7	242.8	225.7
85°	649.9	711.4	684.1	576.3	518.2	309.5	212.1	141.9	119.7	109.5	100.9
87.5°	25.7	20.5	17.1	17.1	18.8	20.5	17.1	18.8	17.1	17.1	17.1
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: P154571

CATALOG NUMBER: TLM-E05-LED-E1-T2-7050

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7	1571.7
2.5°	1576.8	1576.8	1576.8	1575.1	1571.7	1563.1	1554.5	1547.7	1542.6	1537.4	1530.6
5°	1607.6	1604.1	1604.1	1604.1	1590.5	1576.8	1564.8	1552.8	1542.6	1534.0	1527.2
7.5°	1658.9	1657.2	1650.3	1648.6	1638.3	1616.1	1602.4	1581.9	1569.9	1558.0	1554.5
10°	1720.4	1718.7	1717.0	1715.3	1701.6	1679.4	1662.3	1643.5	1626.4	1609.3	1592.2
12.5°	1792.3	1790.6	1788.8	1783.7	1778.6	1766.6	1747.8	1727.3	1706.8	1670.8	1652.0
15°	1881.2	1884.6	1881.2	1879.5	1876.1	1877.8	1865.8	1836.7	1804.2	1758.1	1718.7
17.5°	1999.2	1995.8	1994.1	2000.9	1999.2	2007.7	2004.3	1966.7	1917.1	1843.6	1775.2
20°	2129.2	2129.2	2136.0	2141.1	2156.5	2178.8	2168.5	2122.3	2031.7	1929.1	1840.1
22.5°	2284.8	2288.2	2295.1	2291.6	2315.6	2351.5	2354.9	2289.9	2171.9	2030.0	1905.1
25°	2447.3	2450.7	2443.8	2454.1	2493.4	2544.7	2555.0	2462.7	2307.0	2122.3	1959.9
27.5°	2601.2	2604.6	2604.6	2618.3	2655.9	2743.1	2753.4	2650.8	2443.8	2202.7	1999.2
30°	2751.7	2765.4	2768.8	2772.2	2828.6	2950.1	2972.3	2823.5	2563.6	2262.6	2026.6
32.5°	2941.5	2946.6	2953.5	2962.0	3027.0	3175.8	3175.8	2972.3	2640.5	2300.2	2031.7
35°	3145.0	3146.7	3162.1	3163.8	3256.2	3405.0	3375.9	3095.4	2695.2	2291.6	1994.1
37.5°	3268.1	3275.0	3290.4	3310.9	3408.4	3618.7	3552.0	3201.4	2705.5	2235.2	1908.6
40°	3420.4	3434.0	3449.4	3469.9	3615.3	3835.9	3700.8	3268.1	2662.7	2124.0	1780.3
42.5°	3584.5	3603.3	3627.3	3664.9	3837.6	4027.5	3813.7	3278.4	2565.3	1999.2	1628.1
45°	3769.2	3803.4	3830.8	3875.3	4070.2	4193.4	3882.1	3218.6	2442.1	1835.0	1465.6
47.5°	3983.0	4010.4	4058.2	4106.1	4301.1	4306.2	3888.9	3102.3	2274.5	1670.8	1292.9
50°	4246.4	4263.5	4335.3	4364.4	4547.4	4424.2	3839.3	2944.9	2098.4	1486.1	1101.4
52.5°	4597.0	4620.9	4713.2	4757.7	4887.7	4585.0	3769.2	2773.9	1896.6	1279.2	904.7
55°	5289.6	5393.9	5458.9	5535.8	5619.6	4949.2	3738.4	2590.9	1669.1	1039.8	716.6
57.5°	7234.0	7199.8	7343.5	7517.9	7516.2	5782.1	3923.1	2433.6	1400.6	795.2	550.7
60°	10131.1	10163.6	10090.0	10194.4	9862.6	6815.1	4176.2	2267.7	1097.9	591.7	420.7
62.5°	12284.2	12096.1	11991.8	11868.6	11138.4	6927.9	3991.6	1927.4	798.7	415.6	323.2
65°	12793.8	12573.2	12349.2	12114.9	11013.5	6245.6	3275.0	1414.3	516.5	285.6	256.5
67.5°	12291.0	11937.0	11651.4	11410.3	10091.7	5176.7	2394.2	868.8	295.9	230.9	218.9
70°	10987.9	10596.2	10134.5	9864.3	8497.9	3815.4	1534.0	468.6	227.5	205.2	200.1
72.5°	8043.0	7721.4	7216.9	6907.4	6101.9	2319.0	856.8	263.4	212.1	196.7	189.8
75°	3133.0	2965.4	2755.1	2772.2	2474.6	1026.1	388.2	227.5	206.9	193.2	186.4
77.5°	538.7	525.0	485.7	485.7	552.4	374.5	258.2	229.2	205.2	189.8	177.9
80°	323.2	316.4	301.0	297.6	287.3	263.4	248.0	232.6	201.8	179.6	164.2
82.5°	212.1	203.5	198.4	196.7	213.8	230.9	232.6	230.9	191.5	155.6	133.4
85°	90.6	90.6	90.6	92.3	123.1	186.4	191.5	205.2	157.3	121.4	95.8
87.5°	15.4	18.8	18.8	20.5	22.2	41.0	51.3	66.7	53.0	51.3	46.2
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: P154571

CATALOG NUMBER: TLM-E05-LED-E1-T2-7050

CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	1571.7	1571.7	1571.7
2.5°	1528.9	1525.5	1525.5
5°	1523.8	1520.3	1522.1
7.5°	1544.3	1537.4	1539.2
10°	1581.9	1575.1	1571.7
12.5°	1629.8	1621.2	1621.2
15°	1679.4	1658.9	1657.2
17.5°	1720.4	1694.8	1691.4
20°	1766.6	1732.4	1727.3
22.5°	1809.4	1763.2	1756.4
25°	1840.1	1783.7	1775.2
27.5°	1853.8	1787.1	1780.3
30°	1864.1	1788.8	1778.6
32.5°	1853.8	1773.5	1764.9
35°	1797.4	1710.2	1705.0
37.5°	1699.9	1602.4	1595.6
40°	1571.7	1469.0	1451.9
42.5°	1407.5	1311.7	1292.9
45°	1248.4	1139.0	1130.4
47.5°	1077.4	973.1	978.2
50°	897.8	803.8	802.1
52.5°	726.8	644.7	639.6
55°	572.9	514.8	509.6
57.5°	453.2	422.4	417.3
60°	369.4	354.0	348.9
62.5°	297.6	292.4	290.7
65°	248.0	248.0	248.0
67.5°	215.5	217.2	217.2
70°	198.4	200.1	198.4
72.5°	191.5	196.7	196.7
75°	186.4	189.8	183.0
77.5°	183.0	184.7	172.7
80°	181.3	179.6	157.3
82.5°	157.3	152.2	133.4
85°	143.7	109.5	92.3
87.5°	73.5	51.3	39.3
90°	0.0	0.0	0.0

(END OF REPORT)