

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: P154561

Luminaire Tested: **TLM-E04-LED-E1-T2-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P154561
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-E04-LED-E1-T2-7050
Description: TALON MEDIUM LED SITE LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (84) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12575.3 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Spacing Criteria (0/90/45): 2.21 / 4.51 / 2.52
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
CIE Type: Direct

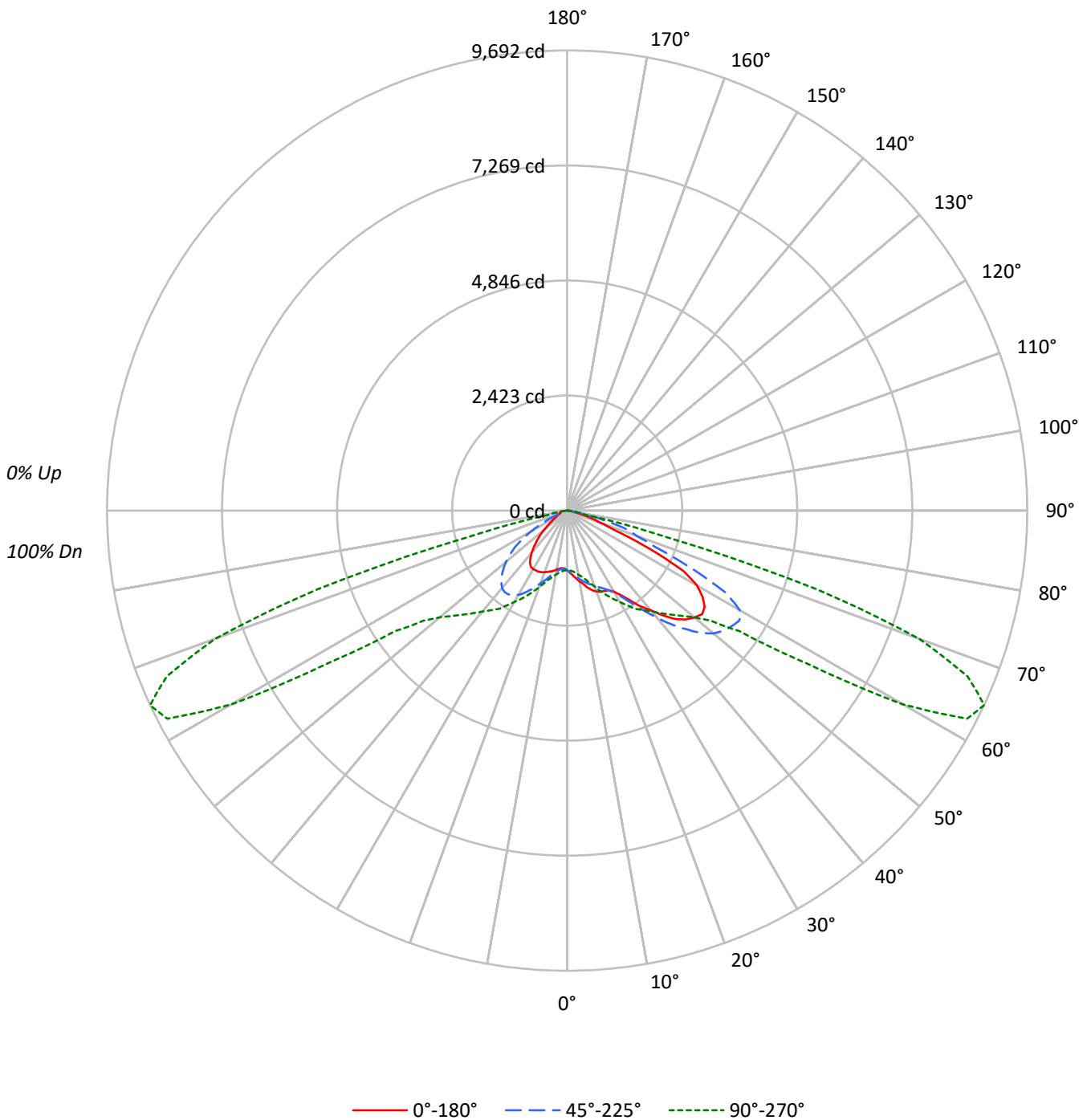
Input Watts (W): 97.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	107	101	96	91	104	98	94	90	94	90	87		90	87	84		86	84	81	79
2	94	84	76	69	91	82	75	68	78	72	66		75	70	65		72	67	63	61
3	84	71	61	53	81	69	60	53	66	58	51		63	56	50		60	54	50	47
4	75	60	50	42	72	59	49	41	56	48	41		54	46	40		51	45	39	37
5	67	52	42	34	65	51	41	33	49	40	33		46	39	33		44	38	32	30
6	61	46	35	28	59	45	35	27	43	34	27		41	33	27		39	32	27	24
7	56	40	30	23	54	40	30	23	38	29	23		36	28	23		35	28	22	20
8	52	36	26	20	50	35	26	20	34	26	19		33	25	19		31	24	19	17
9	48	33	23	17	46	32	23	17	31	23	17		30	22	17		28	22	17	15
10	45	30	21	15	43	29	21	15	28	20	15		27	20	15		26	19	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	20199	20199	20199
5°	22086	20696	19636
10°	24707	22385	20511
15°	27989	25008	22049
20°	31039	29285	23624
25°	33056	34802	25173
30°	36497	41142	26396
35°	45185	49641	26751
40°	57357	58218	24361
45°	73452	70437	20546
50°	87505	87265	16038
55°	99058	124045	11419
60°	101415	262045	8968
65°	74580	368431	7542
70°	35408	370679	7455
75°	19280	137664	9087
80°	9113	22028	11648
85°	4295	13622	13622



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.9	1.0
10°-20°	432.5	3.4
20°-30°	849.6	6.8
30°-40°	1411.7	11.2
40°-50°	2074.3	16.5
50°-60°	2871.9	22.8
60°-70°	3427.9	27.3
70°-80°	1212.3	9.6
80°-90°	169.4	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°	1408.0	11.2
0°-40°	2819.6	22.4
0°-60°	7765.9	61.8
0°-90°	12575.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12575.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1257	1257	1257	1257	1257	
5°	1370	1344	1283	1234	1218	135
15°	1683	1578	1504	1443	1326	479
25°	1865	1809	1963	1846	1420	869
35°	2304	2382	2531	2156	1364	1473
45°	3233	3528	3100	1954	904	2474
55°	3537	4240	4429	1335	408	3099
65°	1962	2924	9692	413	198	1913
75°	311	880	2218	166	146	383
85°	23	48	74	126	74	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1257.3	1257.3	1257.3	1257.3	1257.3	1257.3	1257.3	1257.3	1257.3	1257.3	1257.3
2.5°	1312.0	1313.4	1310.7	1309.3	1305.2	1298.4	1292.9	1287.4	1287.4	1287.4	1283.3
5°	1369.5	1372.2	1366.8	1362.7	1350.4	1343.5	1333.9	1327.1	1324.4	1323.0	1318.9
7.5°	1442.0	1437.9	1429.7	1427.0	1417.4	1402.3	1384.6	1370.9	1370.9	1369.5	1370.9
10°	1514.5	1503.6	1499.5	1495.4	1480.3	1461.2	1440.7	1425.6	1424.2	1422.9	1418.8
12.5°	1587.0	1582.9	1578.8	1563.8	1548.7	1518.6	1495.4	1480.3	1479.0	1480.3	1474.9
15°	1682.8	1673.2	1669.1	1643.1	1610.3	1577.5	1548.7	1535.1	1530.9	1532.3	1528.2
17.5°	1756.7	1756.7	1747.1	1718.4	1676.0	1630.8	1600.7	1592.5	1591.1	1591.1	1592.5
20°	1815.5	1814.2	1804.6	1781.3	1730.7	1685.5	1670.5	1667.8	1666.4	1666.4	1670.5
22.5°	1848.4	1845.6	1841.5	1815.5	1775.8	1745.7	1747.1	1755.3	1758.1	1760.8	1766.3
25°	1864.8	1860.7	1859.3	1841.5	1812.8	1808.7	1833.3	1855.2	1860.7	1866.1	1873.0
27.5°	1892.1	1885.3	1888.0	1881.2	1874.4	1886.7	1937.3	1960.5	1964.6	1971.5	1975.6
30°	1967.4	1964.6	1975.6	1978.3	1983.8	2001.6	2048.1	2070.0	2079.6	2079.6	2098.7
32.5°	2111.0	2112.4	2115.1	2143.9	2153.5	2165.8	2190.4	2208.2	2209.5	2210.9	2228.7
35°	2303.9	2312.2	2335.4	2360.0	2383.3	2381.9	2366.9	2376.5	2369.6	2377.8	2379.2
37.5°	2547.5	2536.5	2570.7	2626.8	2662.4	2652.8	2585.8	2542.0	2554.3	2548.8	2544.7
40°	2734.9	2747.2	2812.9	2886.8	2914.1	2944.2	2856.7	2781.4	2770.5	2750.0	2737.6
42.5°	2993.5	2994.9	3048.2	3102.9	3182.3	3248.0	3191.9	3083.8	3051.0	3026.3	2973.0
45°	3232.9	3228.8	3272.6	3339.6	3434.0	3528.4	3549.0	3431.3	3419.0	3375.2	3305.4
47.5°	3393.0	3387.5	3417.6	3505.2	3658.4	3813.0	3897.8	3862.3	3839.0	3821.2	3711.8
50°	3501.1	3490.1	3524.3	3617.4	3788.4	4026.4	4248.1	4278.2	4268.6	4268.6	4198.8
52.5°	3581.8	3581.8	3606.4	3681.7	3855.4	4152.3	4549.1	4700.9	4713.2	4726.9	4722.8
55°	3536.6	3543.5	3605.1	3714.5	3897.8	4239.9	4798.1	5130.5	5198.9	5256.4	5322.1
57.5°	3382.0	3405.3	3487.4	3666.6	3908.8	4305.5	5074.4	5732.5	5925.4	6092.3	6352.3
60°	3156.3	3186.4	3305.4	3533.9	3828.1	4198.8	5171.6	6241.5	6547.9	6911.8	7590.4
62.5°	2769.1	2799.2	2915.5	3144.0	3395.7	3789.7	4769.3	6316.7	6806.5	7322.3	8348.4
65°	1961.9	1914.0	2048.1	2253.3	2542.0	2923.7	3854.1	5811.9	6516.5	7215.6	8482.5
67.5°	1093.1	1089.0	1171.1	1324.4	1600.7	2011.2	2655.6	4457.4	5105.9	5898.1	7453.6
70°	753.8	762.1	814.0	979.6	1208.1	1562.4	1892.1	2799.2	3265.8	3803.4	5333.0
72.5°	529.5	547.3	576.0	674.5	908.4	1316.2	1933.2	1673.2	1905.8	2272.5	3206.9
75°	310.6	322.9	343.4	391.3	517.2	879.7	2001.6	1470.8	1470.8	1556.9	1940.0
77.5°	191.5	191.5	203.9	223.0	275.0	431.0	1425.6	1652.7	1606.2	1556.9	1561.0
80°	98.5	105.3	123.1	132.7	153.2	197.0	640.3	1541.9	1691.0	1790.9	1721.1
82.5°	45.1	50.6	75.2	80.7	88.9	104.0	220.3	877.0	1175.2	1547.4	1933.2
85°	23.3	23.3	39.7	49.3	53.4	47.9	80.7	354.3	536.3	818.1	1280.6
87.5°	4.1	4.1	6.8	8.2	12.3	10.9	13.7	20.5	34.2	36.9	38.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1257.3	1257.3	1257.3	1257.3	1257.3	1257.3	1257.3	1257.3	1257.3	1257.3	1257.3
2.5°	1281.9	1283.3	1281.9	1280.6	1277.8	1277.8	1277.8	1276.5	1276.5	1276.5	1275.1
5°	1318.9	1313.4	1314.8	1312.0	1310.7	1309.3	1310.7	1307.9	1305.2	1306.6	1305.2
7.5°	1365.4	1362.7	1357.2	1357.2	1355.8	1353.1	1353.1	1349.0	1347.6	1344.9	1343.5
10°	1417.4	1410.6	1413.3	1410.6	1411.9	1406.4	1403.7	1401.0	1398.2	1398.2	1399.6
12.5°	1470.8	1469.4	1465.3	1462.5	1462.5	1458.4	1459.8	1458.4	1454.3	1453.0	1448.9
15°	1525.5	1525.5	1521.4	1522.7	1521.4	1518.6	1515.9	1515.9	1513.2	1510.4	1511.8
17.5°	1589.8	1589.8	1589.8	1589.8	1591.1	1587.0	1588.4	1585.7	1582.9	1588.4	1588.4
20°	1673.2	1678.7	1678.7	1677.3	1684.2	1680.1	1678.7	1685.5	1678.7	1688.3	1686.9
22.5°	1769.0	1774.5	1774.5	1780.0	1781.3	1785.4	1788.2	1785.4	1790.9	1796.4	1796.4
25°	1875.7	1881.2	1885.3	1893.5	1897.6	1894.9	1896.2	1903.1	1905.8	1911.3	1916.8
27.5°	1987.9	1989.3	1994.7	2004.3	2011.2	2013.9	2015.3	2026.2	2027.6	2030.3	2035.8
30°	2097.4	2111.0	2108.3	2120.6	2124.7	2128.8	2137.0	2141.1	2150.7	2156.2	2156.2
32.5°	2226.0	2223.2	2234.2	2243.8	2250.6	2257.4	2264.3	2269.7	2275.2	2278.0	2291.6
35°	2386.0	2391.5	2391.5	2392.9	2409.3	2410.7	2416.1	2428.4	2432.6	2440.8	2446.2
37.5°	2544.7	2535.2	2533.8	2533.8	2528.3	2532.4	2533.8	2535.2	2540.6	2542.0	2547.5
40°	2722.6	2710.3	2699.3	2692.5	2681.6	2666.5	2663.8	2656.9	2661.0	2659.7	2661.0
42.5°	2966.1	2931.9	2905.9	2886.8	2864.9	2848.5	2836.2	2818.4	2806.1	2791.0	2788.3
45°	3276.7	3212.4	3168.6	3137.1	3105.7	3060.5	3034.5	3007.2	2982.5	2957.9	2937.4
47.5°	3684.4	3616.0	3546.2	3488.8	3439.5	3367.0	3293.1	3252.1	3204.2	3161.8	3131.7
50°	4164.6	4082.5	4049.7	3969.0	3907.4	3798.0	3706.3	3639.3	3543.5	3479.2	3423.1
52.5°	4655.8	4635.3	4617.5	4549.1	4476.6	4413.6	4332.9	4215.2	4118.1	4044.2	3929.3
55°	5324.8	5334.4	5327.5	5290.6	5264.6	5204.4	5171.6	5069.0	5025.2	4918.5	4798.1
57.5°	6450.8	6527.4	6624.5	6662.8	6714.8	6665.6	6723.0	6792.8	6619.1	6679.3	6571.2
60°	7888.7	8240.3	8449.6	8706.8	8875.1	9110.4	9152.9	9214.4	9196.6	9230.8	9300.6
62.5°	8767.0	9184.3	9585.2	9876.6	10188.5	10360.9	10568.9	10713.9	10864.4	10965.6	10936.9
65°	9025.6	9455.2	9819.1	10137.9	10417.0	10627.7	10820.6	11002.6	11140.8	11237.9	11295.4
67.5°	8076.1	8637.1	9020.2	9393.7	9753.5	9975.1	10136.6	10313.0	10515.5	10683.8	10716.6
70°	6077.3	6918.7	7461.8	7909.2	8332.0	8630.2	8856.0	9020.2	9177.5	9297.9	9429.2
72.5°	3800.7	4536.8	5157.9	5738.0	6186.7	6597.2	6787.3	7151.3	7103.4	7195.1	7293.6
75°	2278.0	2636.4	2978.4	3387.5	3622.8	3964.9	4026.4	4086.6	4055.2	3952.6	4029.2
77.5°	1582.9	1641.8	1639.0	1615.8	1591.1	1530.9	1453.0	1410.6	1381.8	1340.8	1357.2
80°	1592.5	1465.3	1271.0	1068.5	882.5	759.3	710.1	710.1	760.7	833.2	905.7
82.5°	1903.1	1767.6	1576.1	1318.9	1045.3	851.0	721.0	669.0	678.6	752.5	845.5
85°	1283.3	1313.4	1152.0	1053.5	834.6	649.9	544.5	441.9	391.3	403.6	457.0
87.5°	46.5	56.1	20.5	27.4	19.2	16.4	16.4	17.8	12.3	15.0	13.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1257.3	1257.3	1257.3	1257.3	1257.3	1257.3	1257.3	1257.3	1257.3	1257.3	1257.3
2.5°	1273.7	1272.4	1272.4	1269.6	1269.6	1268.3	1268.3	1266.9	1265.5	1265.5	1264.2
5°	1303.8	1302.5	1299.7	1298.4	1295.6	1295.6	1294.3	1291.5	1291.5	1288.8	1287.4
7.5°	1346.3	1343.5	1340.8	1339.4	1338.0	1333.9	1333.9	1331.2	1331.2	1328.5	1327.1
10°	1396.9	1394.1	1391.4	1392.8	1388.7	1387.3	1384.6	1384.6	1380.5	1379.1	1379.1
12.5°	1451.6	1450.2	1450.2	1446.1	1444.8	1443.4	1437.9	1437.9	1437.9	1435.2	1436.5
15°	1510.4	1511.8	1507.7	1511.8	1510.4	1506.3	1506.3	1506.3	1500.9	1507.7	1502.2
17.5°	1589.8	1593.9	1591.1	1592.5	1589.8	1589.8	1591.1	1589.8	1592.5	1592.5	1600.7
20°	1688.3	1689.7	1696.5	1693.8	1693.8	1692.4	1695.1	1696.5	1702.0	1699.2	1704.7
22.5°	1796.4	1803.2	1804.6	1810.0	1810.0	1808.7	1811.4	1816.9	1819.6	1823.7	1822.4
25°	1919.5	1923.6	1929.1	1922.2	1933.2	1933.2	1935.9	1942.8	1944.1	1944.1	1953.7
27.5°	2034.4	2045.4	2046.7	2053.6	2049.5	2052.2	2061.8	2065.9	2071.4	2071.4	2074.1
30°	2164.4	2168.5	2171.2	2179.4	2178.1	2179.4	2180.8	2187.7	2187.7	2194.5	2201.3
32.5°	2298.5	2301.2	2303.9	2312.2	2314.9	2320.4	2317.6	2323.1	2329.9	2331.3	2335.4
35°	2458.5	2461.3	2464.0	2476.3	2477.7	2487.3	2490.0	2487.3	2498.2	2491.4	2498.2
37.5°	2551.6	2563.9	2566.6	2574.8	2572.1	2578.9	2583.0	2588.5	2591.3	2596.7	2607.7
40°	2665.1	2669.2	2677.5	2681.6	2687.0	2688.4	2693.9	2698.0	2702.1	2714.4	2726.7
42.5°	2781.4	2786.9	2791.0	2796.5	2803.3	2808.8	2812.9	2825.2	2827.9	2836.2	2859.4
45°	2922.3	2919.6	2921.0	2922.3	2925.1	2931.9	2944.2	2956.6	2964.8	2983.9	3003.1
47.5°	3097.5	3079.7	3072.8	3061.9	3064.6	3079.7	3082.4	3102.9	3119.4	3137.1	3160.4
50°	3362.9	3315.0	3286.3	3257.5	3254.8	3263.0	3274.0	3295.9	3315.0	3338.3	3371.1
52.5°	3808.9	3717.2	3659.8	3580.4	3558.5	3554.4	3546.2	3558.5	3564.0	3595.5	3657.0
55°	4711.9	4542.2	4432.8	4309.6	4194.7	4160.5	4094.8	4108.5	4094.8	4114.0	4205.7
57.5°	6597.2	6461.7	6355.0	6197.7	6000.7	5791.3	5739.3	5524.6	5567.0	5690.1	5610.7
60°	9334.8	9285.6	9209.0	9133.7	8864.2	8712.3	8464.7	8437.3	8263.6	8264.9	8151.4
62.5°	10867.1	10930.1	10883.6	10861.7	10846.6	10798.7	10675.6	10527.8	10306.2	10146.1	9910.8
65°	11304.9	11251.6	11201.0	11194.1	11190.0	11268.0	11285.8	11181.8	10980.7	10731.7	10460.8
67.5°	10794.6	10764.5	10767.3	10709.8	10745.4	10880.8	10975.2	10946.5	10761.8	10460.8	10116.0
70°	9579.7	9520.9	9581.1	9656.3	9709.7	9787.7	9882.1	9905.3	9737.1	9427.9	9076.2
72.5°	7173.2	7182.7	7240.2	7260.7	7475.5	7453.6	7538.5	7262.1	7140.3	6846.2	6665.6
75°	3774.7	3713.1	3873.2	3533.9	3394.4	3491.5	3219.2	2957.9	3012.6	3057.8	2732.2
77.5°	1333.9	1247.7	1101.4	1042.5	867.4	734.7	600.6	541.8	510.3	493.9	473.4
80°	957.7	985.1	955.0	883.8	751.1	602.0	474.7	374.9	321.5	292.8	273.6
82.5°	968.6	1076.7	1124.6	1104.1	983.7	744.3	491.2	313.3	232.6	194.3	180.6
85°	519.9	569.1	547.3	461.1	414.5	247.6	169.6	113.6	95.8	87.6	80.7
87.5°	20.5	16.4	13.7	13.7	15.0	16.4	13.7	15.0	13.7	13.7	13.7
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: P154561

CATALOG NUMBER: TLM-E04-LED-E1-T2-7050

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	1257.3	1257.3	1257.3	1257.3	1257.3	1257.3	1257.3	1257.3	1257.3	1257.3	1257.3
2.5°	1261.4	1261.4	1261.4	1260.1	1257.3	1250.5	1243.6	1238.2	1234.1	1230.0	1224.5
5°	1286.1	1283.3	1283.3	1283.3	1272.4	1261.4	1251.8	1242.3	1234.1	1227.2	1221.7
7.5°	1327.1	1325.7	1320.3	1318.9	1310.7	1292.9	1281.9	1265.5	1256.0	1246.4	1243.6
10°	1376.3	1375.0	1373.6	1372.2	1361.3	1343.5	1329.8	1314.8	1301.1	1287.4	1273.7
12.5°	1433.8	1432.4	1431.1	1427.0	1422.9	1413.3	1398.2	1381.8	1365.4	1336.7	1321.6
15°	1505.0	1507.7	1505.0	1503.6	1500.9	1502.2	1492.6	1469.4	1443.4	1406.4	1375.0
17.5°	1599.4	1596.6	1595.3	1600.7	1599.4	1606.2	1603.5	1573.4	1533.7	1474.9	1420.1
20°	1703.3	1703.3	1708.8	1712.9	1725.2	1743.0	1734.8	1697.9	1625.4	1543.3	1472.1
22.5°	1827.8	1830.6	1836.0	1833.3	1852.5	1881.2	1883.9	1831.9	1737.5	1624.0	1524.1
25°	1957.8	1960.5	1955.1	1963.3	1994.7	2035.8	2044.0	1970.1	1845.6	1697.9	1567.9
27.5°	2080.9	2083.7	2083.7	2094.6	2124.7	2194.5	2202.7	2120.6	1955.1	1762.2	1599.4
30°	2201.3	2212.3	2215.0	2217.8	2262.9	2360.0	2377.8	2258.8	2050.8	1810.0	1621.2
32.5°	2353.2	2357.3	2362.8	2369.6	2421.6	2540.6	2540.6	2377.8	2112.4	1840.1	1625.4
35°	2516.0	2517.4	2529.7	2531.1	2604.9	2724.0	2700.7	2476.3	2156.2	1833.3	1595.3
37.5°	2614.5	2620.0	2632.3	2648.7	2726.7	2895.0	2841.6	2561.2	2164.4	1788.2	1526.8
40°	2736.3	2747.2	2759.5	2776.0	2892.2	3068.7	2960.7	2614.5	2130.2	1699.2	1424.2
42.5°	2867.6	2882.7	2901.8	2931.9	3070.1	3222.0	3051.0	2622.7	2052.2	1599.4	1302.5
45°	3015.4	3042.7	3064.6	3100.2	3256.2	3354.7	3105.7	2574.8	1953.7	1468.0	1172.5
47.5°	3186.4	3208.3	3246.6	3284.9	3440.9	3445.0	3111.2	2481.8	1819.6	1336.7	1034.3
50°	3397.1	3410.8	3468.2	3491.5	3637.9	3539.4	3071.5	2355.9	1678.7	1188.9	881.1
52.5°	3677.6	3696.7	3770.6	3806.2	3910.1	3668.0	3015.4	2219.1	1517.3	1023.4	723.7
55°	4231.7	4315.1	4367.1	4428.7	4495.7	3959.4	2990.8	2072.7	1335.3	831.8	573.3
57.5°	5787.2	5759.9	5874.8	6014.3	6013.0	4625.7	3138.5	1946.9	1120.5	636.2	440.5
60°	8104.9	8130.9	8072.0	8155.5	7890.1	5452.0	3341.0	1814.2	878.3	473.4	336.6
62.5°	9827.4	9676.9	9593.4	9494.9	8910.7	5542.3	3193.2	1541.9	638.9	332.5	258.6
65°	10235.1	10058.6	9879.3	9691.9	8810.8	4996.4	2620.0	1131.5	413.2	228.5	205.2
67.5°	9832.8	9549.6	9321.1	9128.2	8073.4	4141.4	1915.4	695.0	236.7	184.7	175.1
70°	8790.3	8477.0	8107.6	7891.4	6798.3	3052.3	1227.2	374.9	182.0	164.2	160.1
72.5°	6434.4	6177.2	5773.6	5525.9	4881.5	1855.2	685.4	210.7	169.6	157.3	151.9
75°	2506.4	2372.4	2204.1	2217.8	1979.7	820.9	310.6	182.0	165.5	154.6	149.1
77.5°	431.0	420.0	388.6	388.6	441.9	299.6	206.6	183.3	164.2	151.9	142.3
80°	258.6	253.1	240.8	238.1	229.8	210.7	198.4	186.1	161.4	143.7	131.3
82.5°	169.6	162.8	158.7	157.3	171.0	184.7	186.1	184.7	153.2	124.5	106.7
85°	72.5	72.5	72.5	73.9	98.5	149.1	153.2	164.2	125.9	97.1	76.6
87.5°	12.3	15.0	15.0	16.4	17.8	32.8	41.0	53.4	42.4	41.0	36.9
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: P154561

CATALOG NUMBER: TLM-E04-LED-E1-T2-7050

CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	1257.3	1257.3	1257.3
2.5°	1223.1	1220.4	1220.4
5°	1219.0	1216.3	1217.6
7.5°	1235.4	1230.0	1231.3
10°	1265.5	1260.1	1257.3
12.5°	1303.8	1297.0	1297.0
15°	1343.5	1327.1	1325.7
17.5°	1376.3	1355.8	1353.1
20°	1413.3	1385.9	1381.8
22.5°	1447.5	1410.6	1405.1
25°	1472.1	1427.0	1420.1
27.5°	1483.1	1429.7	1424.2
30°	1491.3	1431.1	1422.9
32.5°	1483.1	1418.8	1411.9
35°	1437.9	1368.1	1364.0
37.5°	1359.9	1281.9	1276.5
40°	1257.3	1175.2	1161.6
42.5°	1126.0	1049.4	1034.3
45°	998.7	911.2	904.3
47.5°	861.9	778.5	782.6
50°	718.3	643.0	641.7
52.5°	581.5	515.8	511.7
55°	458.3	411.8	407.7
57.5°	362.6	337.9	333.8
60°	295.5	283.2	279.1
62.5°	238.1	234.0	232.6
65°	198.4	198.4	198.4
67.5°	172.4	173.8	173.8
70°	158.7	160.1	158.7
72.5°	153.2	157.3	157.3
75°	149.1	151.9	146.4
77.5°	146.4	147.8	138.2
80°	145.0	143.7	125.9
82.5°	125.9	121.8	106.7
85°	114.9	87.6	73.9
87.5°	58.8	41.0	31.5
90°	0.0	0.0	0.0

(END OF REPORT)