

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: P151231

Luminaire Tested: **TLM-E03-LED-E1-SL3-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P151231  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33679)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: TLM-E03-LED-E1-SL3-7050  
Description: TALON MEDIUM LED SITE LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL  
Light Source: (63) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

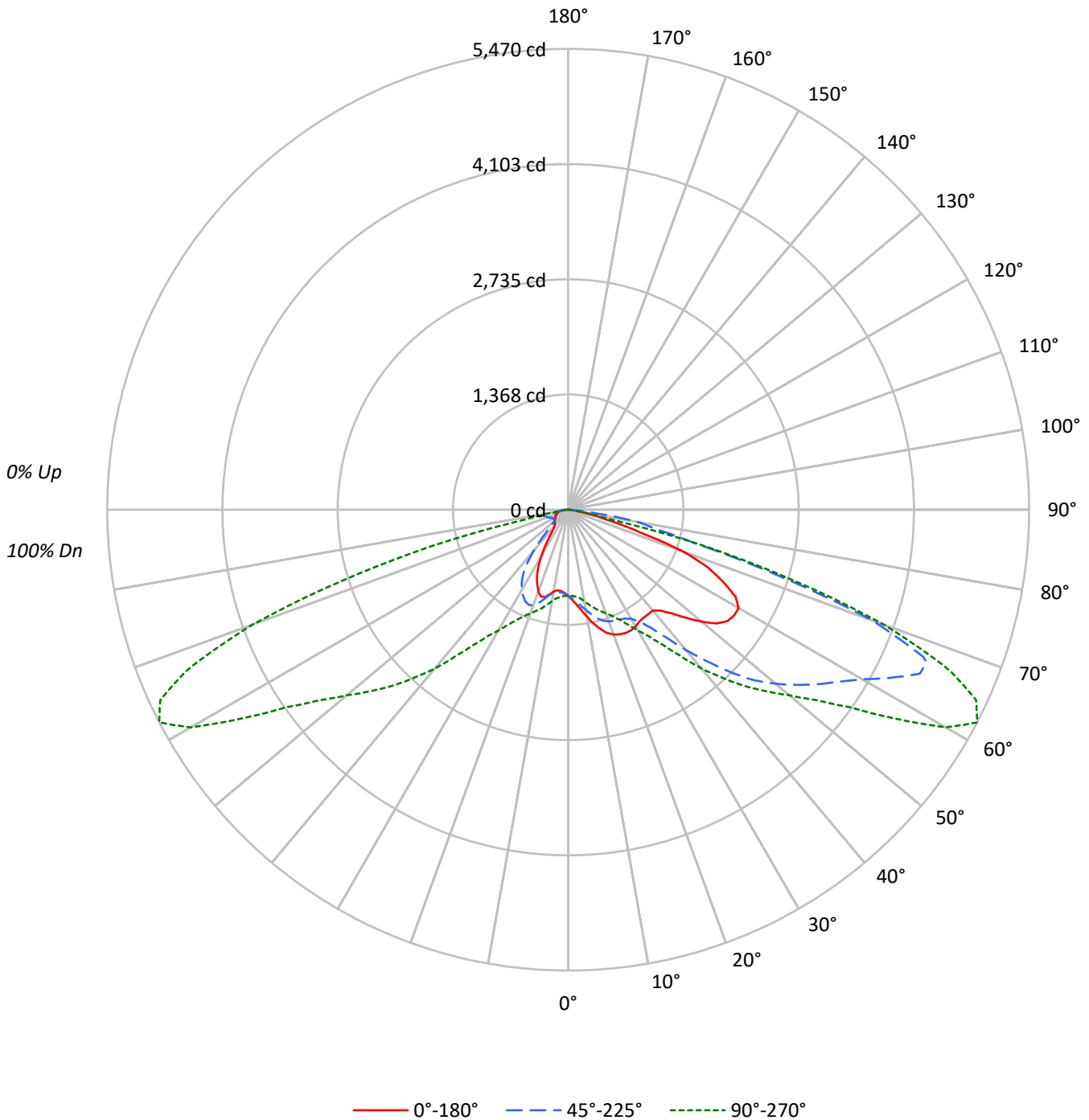
Lumens per Lamp: N/A  
Luminaire Lumens: 9346.3 lumens  
Efficiency: N/A  
Efficacy: 124.3 lumens/watt  
Spacing Criteria (0/90/45): 1.44 / 3.92 / 2.51  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
CIE Type: Direct

Input Watts (W): 75.2  
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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CATALOG NUMBER: TLM-E03-LED-E1-SL3-7050

### 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	106	100	94	89	103	97	92	88	93	89	85	89	85	82	85	82	80	77					77			
2	93	82	74	66	90	80	72	65	77	70	64	73	67	62	70	65	61	58					58			
3	82	69	59	50	79	67	58	50	64	56	49	61	54	48	58	52	47	44					44			
4	73	59	48	39	71	57	47	39	54	46	38	52	44	38	49	43	37	35					35			
5	66	51	40	32	64	49	39	31	47	38	31	45	37	31	43	36	30	28					28			
6	60	44	34	26	58	43	33	26	41	32	26	39	31	25	38	31	25	23					23			
7	55	39	29	22	53	38	29	22	37	28	22	35	27	21	34	27	21	19					19			
8	51	35	25	19	49	35	25	19	33	25	18	32	24	18	30	23	18	16					16			
9	47	32	23	16	46	31	22	16	30	22	16	29	21	16	28	21	16	14					14			
10	44	29	20	14	43	29	20	14	28	20	14	27	19	14	26	19	14	12					12			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	21980	21980	21980
5°	24413	22397	20932
10°	28217	24046	21578
15°	32635	26963	23943
20°	36108	30018	23695
25°	38314	34221	20765
30°	39766	41093	15840
35°	41098	51478	9653
40°	43888	69149	7037
45°	53014	90126	6780
50°	69247	114782	6839
55°	86498	153396	7086
60°	100509	222400	7556
65°	103386	272061	8415
70°	92035	250400	9303
75°	44209	141509	10838
80°	15261	19588	11071
85°	6842	12177	11140



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.7	1.1
10°-20°	348.5	3.7
20°-30°	615.4	6.6
30°-40°	883.4	9.5
40°-50°	1341.7	14.4
50°-60°	1975.4	21.1
60°-70°	2625.2	28.1
70°-80°	1284.3	13.7
80°-90°	170.5	1.8
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°	1065.7	11.4
0°-40°	1949.1	20.9
0°-60°	5266.1	56.3
0°-90°	9346.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9346.3	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1021	1021	1021	1021	1021	
5°	1130	1098	1036	985	969	113
15°	1464	1333	1210	1096	1074	416
25°	1613	1438	1441	1202	874	743
35°	1564	1708	1959	927	367	986
45°	1741	2730	2960	334	223	1376
55°	2305	3612	4087	202	189	2034
65°	2030	4606	5341	226	165	1971
75°	532	1584	1701	262	130	662
85°	28	87	49	63	45	41
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°	1021.0	1021.0	1021.0	1021.0	1021.0	1021.0	1021.0	1021.0	1021.0	1021.0	1021.0
2.5°	1069.2	1070.2	1068.2	1067.1	1061.0	1054.8	1050.7	1045.6	1045.6	1045.6	1043.5
5°	1129.7	1125.6	1128.7	1121.5	1109.2	1097.9	1086.6	1077.4	1075.4	1075.4	1071.3
7.5°	1202.6	1197.5	1195.4	1185.2	1166.7	1150.3	1127.7	1118.5	1113.3	1111.3	1109.2
10°	1290.8	1290.8	1277.5	1260.1	1235.4	1206.7	1182.1	1165.7	1164.6	1164.6	1155.4
12.5°	1381.1	1383.2	1365.7	1348.3	1308.3	1270.3	1241.6	1223.1	1222.1	1218.0	1212.9
15°	1464.3	1459.1	1447.8	1422.2	1378.1	1332.9	1297.0	1278.5	1274.4	1270.3	1267.2
17.5°	1533.0	1527.9	1513.5	1480.7	1434.5	1381.1	1337.0	1317.5	1315.5	1313.4	1309.3
20°	1576.1	1572.0	1551.5	1513.5	1465.3	1410.9	1363.7	1350.4	1346.3	1346.3	1344.2
22.5°	1600.7	1594.6	1564.8	1514.5	1467.3	1427.3	1388.3	1380.1	1377.0	1378.1	1378.1
25°	1613.0	1607.9	1565.8	1494.0	1448.9	1437.6	1421.2	1416.0	1417.1	1418.1	1420.1
27.5°	1615.1	1607.9	1558.7	1467.3	1425.3	1457.1	1468.4	1476.6	1476.6	1480.7	1487.9
30°	1599.7	1591.5	1544.3	1446.8	1415.0	1496.1	1541.2	1562.8	1571.0	1568.9	1585.3
32.5°	1573.0	1567.9	1529.9	1446.8	1443.7	1573.0	1653.1	1683.8	1687.9	1690.0	1708.5
35°	1563.8	1562.8	1546.3	1496.1	1533.0	1708.5	1830.6	1854.2	1859.3	1859.3	1872.6
37.5°	1561.7	1566.9	1585.3	1588.4	1690.0	1909.6	2069.7	2105.6	2105.6	2115.8	2115.8
40°	1561.7	1573.0	1642.8	1725.9	1881.9	2171.2	2392.9	2433.9	2433.9	2445.2	2439.1
42.5°	1622.3	1638.7	1753.6	1911.6	2124.0	2441.1	2695.6	2741.8	2744.8	2741.8	2751.0
45°	1741.3	1755.7	1895.2	2122.0	2373.4	2730.5	2984.9	3040.4	3029.1	3036.2	3039.3
47.5°	1899.3	1921.9	2080.9	2351.8	2616.6	2998.3	3309.2	3359.5	3355.4	3358.4	3345.1
50°	2067.6	2091.2	2268.7	2579.6	2858.7	3213.8	3569.8	3644.7	3637.5	3642.7	3649.9
52.5°	2216.4	2230.8	2402.1	2751.0	3042.4	3414.9	3769.9	3863.3	3879.7	3881.8	3886.9
55°	2304.6	2322.1	2479.1	2836.2	3175.8	3611.9	3998.7	4140.3	4172.1	4180.4	4202.9
57.5°	2335.4	2353.9	2496.5	2848.5	3248.6	3796.6	4317.9	4567.2	4593.9	4638.0	4709.8
60°	2334.4	2353.9	2478.0	2820.8	3322.5	4025.4	4814.5	5232.1	5367.6	5412.7	5515.3
62.5°	2239.0	2261.5	2387.7	2736.6	3416.9	4317.9	5553.3	6195.6	6370.1	6452.2	6563.0
65°	2029.6	2046.1	2164.1	2523.2	3390.3	4606.2	6171.0	6972.4	7131.4	7251.5	7449.5
67°	1843.9	1854.2	1946.5	2270.8	3129.6	4616.4	6366.0	7165.3	7303.8	7431.1	7635.3
67.5°	1796.7	1818.3	1890.1	2193.8	3032.1	4558.0	6352.6	7135.5	7277.1	7409.5	7625.0
70°	1462.2	1493.0	1528.9	1733.1	2383.6	3834.6	5881.6	6620.4	6744.6	6867.7	7168.4
72.5°	901.9	957.4	964.5	1093.8	1551.5	2650.4	4759.1	5583.0	5676.4	5764.7	6072.5
75°	531.5	539.7	565.4	670.0	910.2	1584.3	3193.2	4147.5	4233.7	4276.8	4517.9
77.5°	296.5	304.8	326.3	416.6	699.8	1067.1	1859.3	2437.0	2489.3	2543.7	2504.7
80°	123.1	134.4	144.7	168.3	327.3	842.4	1278.5	1549.4	1583.3	1615.1	1655.1
82.5°	59.5	63.6	78.0	89.3	119.0	345.8	1002.5	1343.2	1383.2	1429.4	1522.7
85°	27.7	30.8	43.1	51.3	57.5	87.2	335.5	653.6	709.0	719.3	737.8
87.5°	2.1	2.1	5.1	7.2	10.3	11.3	34.9	49.3	55.4	50.3	63.6
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°	1021.0	1021.0	1021.0	1021.0	1021.0	1021.0	1021.0	1021.0	1021.0	1021.0	1021.0
2.5°	1042.5	1041.5	1039.4	1039.4	1038.4	1038.4	1038.4	1036.4	1036.4	1036.4	1035.3
5°	1070.2	1069.2	1066.1	1066.1	1064.1	1064.1	1061.0	1060.0	1057.9	1057.9	1056.9
7.5°	1106.1	1105.1	1101.0	1101.0	1097.9	1096.9	1094.9	1091.8	1091.8	1089.7	1087.7
10°	1155.4	1152.3	1151.3	1146.2	1147.2	1145.1	1143.1	1140.0	1138.0	1135.9	1133.8
12.5°	1210.8	1210.8	1205.7	1202.6	1204.6	1202.6	1198.5	1197.5	1194.4	1194.4	1191.3
15°	1263.1	1263.1	1261.1	1257.0	1258.0	1254.9	1253.9	1251.8	1247.7	1248.8	1247.7
17.5°	1308.3	1308.3	1305.2	1303.2	1303.2	1300.1	1301.1	1299.0	1297.0	1296.0	1292.9
20°	1344.2	1344.2	1342.1	1340.1	1341.1	1341.1	1338.0	1338.0	1338.0	1336.0	1336.0
22.5°	1379.1	1380.1	1380.1	1380.1	1381.1	1382.2	1381.1	1383.2	1382.2	1384.2	1384.2
25°	1425.3	1428.3	1430.4	1430.4	1435.5	1436.5	1437.6	1440.7	1440.7	1443.7	1444.8
27.5°	1494.0	1496.1	1504.3	1506.3	1507.3	1515.6	1516.6	1520.7	1524.8	1525.8	1526.8
30°	1588.4	1593.5	1599.7	1603.8	1603.8	1614.1	1618.2	1616.1	1627.4	1630.5	1634.6
32.5°	1714.6	1718.7	1724.9	1729.0	1733.1	1738.2	1739.2	1744.4	1753.6	1761.8	1756.7
35°	1873.7	1883.9	1873.7	1885.0	1888.0	1895.2	1893.2	1899.3	1903.4	1906.5	1905.5
37.5°	2104.5	2099.4	2097.4	2093.3	2086.1	2110.7	2098.4	2097.4	2091.2	2108.6	2097.4
40°	2408.3	2411.3	2414.4	2398.0	2388.8	2388.8	2385.7	2374.4	2369.3	2384.7	2382.6
42.5°	2725.3	2728.4	2714.0	2703.8	2680.2	2677.1	2662.7	2659.7	2654.5	2662.7	2654.5
45°	3013.7	3015.7	2983.9	2989.0	2970.6	2973.7	2951.1	2960.3	2948.0	2956.2	2971.6
47.5°	3335.9	3340.0	3312.3	3323.6	3305.1	3293.8	3292.8	3298.9	3285.6	3293.8	3297.9
50°	3628.3	3623.2	3608.8	3611.9	3603.7	3605.7	3593.4	3604.7	3589.3	3605.7	3603.7
52.5°	3887.9	3881.8	3878.7	3888.9	3881.8	3881.8	3874.6	3879.7	3881.8	3906.4	3911.5
55°	4202.9	4208.1	4213.2	4231.7	4239.9	4226.5	4239.9	4265.5	4266.5	4325.0	4356.8
57.5°	4708.8	4744.7	4763.2	4774.5	4822.7	4817.6	4848.3	4909.9	4916.1	5051.5	5130.5
60°	5591.2	5654.9	5715.4	5682.6	5780.1	5809.8	5828.3	5943.2	5979.1	6107.4	6176.1
62.5°	6705.6	6712.8	6807.2	6777.4	6832.8	6819.5	6842.1	6894.4	6941.6	7047.3	7111.9
65°	7483.4	7517.2	7554.2	7516.2	7515.2	7470.0	7441.3	7440.3	7469.0	7491.6	7563.4
67°	7694.8	7728.6	7737.9	7710.2	7670.1	7612.7	7559.3	7531.6	7513.1	7523.4	7568.6
67.5°	7692.7	7724.5	7735.8	7709.1	7653.7	7605.5	7549.1	7517.2	7492.6	7497.8	7535.7
70°	7255.6	7324.3	7361.3	7369.5	7362.3	7278.2	7229.9	7201.2	7180.7	7130.4	7127.3
72.5°	6147.4	6230.5	6259.2	6305.4	6325.9	6201.8	6149.4	6181.3	6109.4	5950.4	5957.6
75°	4513.8	4520.0	4423.5	4405.1	4336.3	4055.2	3971.0	3894.1	3770.9	3579.1	3398.5
77.5°	2352.9	2351.8	2241.0	2184.6	2102.5	1933.2	1925.0	1787.5	1691.0	1515.6	1451.9
80°	1671.5	1698.2	1735.1	1753.6	1724.9	1659.2	1568.9	1471.4	1359.6	1249.8	1118.5
82.5°	1554.5	1571.0	1590.5	1518.6	1478.6	1386.3	1317.5	1175.9	1096.9	971.7	839.4
85°	756.2	806.5	767.5	722.4	707.0	553.1	534.6	446.4	405.3	333.5	310.9
87.5°	48.2	59.5	53.4	48.2	42.1	23.6	31.8	22.6	23.6	17.4	15.4
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°	1021.0	1021.0	1021.0	1021.0	1021.0	1021.0	1021.0	1021.0	1021.0	1021.0	1021.0
2.5°	1035.3	1034.3	1033.3	1032.3	1031.2	1031.2	1030.2	1029.2	1028.2	1026.1	1026.1
5°	1054.8	1054.8	1053.8	1051.8	1051.8	1049.7	1046.6	1045.6	1045.6	1043.5	1041.5
7.5°	1086.6	1085.6	1083.6	1082.5	1080.5	1078.4	1076.4	1074.3	1073.3	1070.2	1069.2
10°	1134.9	1132.8	1127.7	1125.6	1124.6	1122.6	1120.5	1118.5	1115.4	1113.3	1112.3
12.5°	1189.3	1188.2	1184.1	1186.2	1181.0	1179.0	1176.9	1171.8	1173.9	1169.8	1167.7
15°	1243.6	1244.7	1242.6	1242.6	1238.5	1235.4	1233.4	1229.3	1228.2	1226.2	1224.1
17.5°	1291.9	1293.9	1290.8	1288.8	1286.7	1284.7	1280.6	1276.5	1276.5	1272.4	1270.3
20°	1336.0	1338.0	1337.0	1335.0	1331.9	1330.9	1328.8	1325.7	1325.7	1323.7	1320.6
22.5°	1386.3	1387.3	1387.3	1386.3	1383.2	1384.2	1382.2	1379.1	1380.1	1376.0	1376.0
25°	1446.8	1448.9	1450.9	1451.9	1449.9	1450.9	1448.9	1446.8	1445.8	1446.8	1445.8
27.5°	1529.9	1532.0	1538.1	1533.0	1538.1	1539.2	1536.1	1532.0	1535.1	1540.2	1537.1
30°	1639.7	1637.7	1645.9	1646.9	1645.9	1646.9	1644.8	1641.8	1643.8	1653.1	1647.9
32.5°	1762.8	1767.0	1769.0	1771.1	1774.1	1778.2	1775.2	1772.1	1777.2	1774.1	1781.3
35°	1911.6	1920.9	1923.9	1920.9	1922.9	1930.1	1929.1	1930.1	1940.4	1930.1	1943.4
37.5°	2099.4	2108.6	2115.8	2111.7	2116.9	2116.9	2125.1	2147.6	2133.3	2151.7	2166.1
40°	2372.4	2386.7	2387.7	2386.7	2391.9	2398.0	2406.2	2430.8	2414.4	2433.9	2447.3
42.5°	2653.5	2671.0	2677.1	2666.8	2678.1	2691.5	2692.5	2714.0	2715.1	2718.2	2725.3
45°	2970.6	2986.0	2998.3	2993.1	2994.2	3011.6	3007.5	3028.0	3012.6	3012.6	3016.8
47.5°	3308.2	3322.5	3330.7	3338.9	3328.7	3344.1	3351.3	3347.2	3328.7	3324.6	3300.0
50°	3616.0	3628.3	3640.6	3663.2	3662.2	3669.4	3674.5	3656.0	3651.9	3629.3	3601.6
52.5°	3942.3	3974.1	4001.8	4049.0	4056.2	4080.8	4071.6	4040.8	4035.7	3998.7	3961.8
55°	4396.9	4488.2	4528.2	4601.1	4650.3	4649.3	4628.8	4623.6	4584.6	4510.8	4466.6
57.5°	5188.0	5330.6	5399.4	5493.8	5509.2	5499.9	5473.2	5426.0	5358.3	5234.2	5154.1
60°	6330.0	6418.3	6498.3	6520.9	6532.2	6514.7	6421.4	6316.7	6184.3	6013.0	5870.3
62.5°	7193.0	7283.3	7342.8	7333.6	7262.8	7173.5	7037.0	6861.6	6675.8	6484.0	6270.5
65°	7632.2	7670.1	7660.9	7589.1	7468.0	7312.0	7113.0	6896.5	6677.9	6451.1	6229.5
67°	7608.6	7609.6	7547.0	7407.5	7252.5	7056.5	6813.3	6577.3	6320.8	6082.8	5819.0
67.5°	7566.5	7562.4	7475.2	7322.3	7155.0	6952.9	6700.5	6456.3	6190.5	5950.4	5677.4
70°	7090.4	7032.9	6835.9	6591.7	6358.8	6085.8	5821.1	5541.0	5241.3	5035.1	4721.1
72.5°	5826.2	5632.3	5292.7	5037.2	4787.8	4430.7	4265.5	3917.7	3707.3	3576.0	3338.9
75°	3373.8	3211.7	2949.0	2709.9	2588.9	2377.5	2276.9	2021.4	1968.1	1966.0	1883.9
77.5°	1287.8	1123.6	954.3	768.6	653.6	519.2	457.6	409.4	372.5	398.1	361.2
80°	965.6	794.2	620.8	451.5	322.2	238.1	204.2	188.8	179.6	172.4	167.3
82.5°	719.3	567.4	440.2	287.3	201.1	151.9	131.3	123.1	119.0	111.8	105.7
85°	243.2	195.0	153.9	106.7	84.1	68.7	63.6	61.6	58.5	53.4	50.3
87.5°	13.3	12.3	13.3	10.3	12.3	10.3	11.3	11.3	11.3	10.3	10.3
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):**

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	1021.0	1021.0	1021.0	1021.0	1021.0	1021.0	1021.0	1021.0	1021.0	1021.0	1021.0
2.5°	1025.1	1025.1	1025.1	1023.0	1019.9	1013.8	1007.6	1002.5	997.4	994.3	992.2
5°	1040.5	1038.4	1037.4	1036.4	1029.2	1016.9	1005.6	995.3	985.1	976.9	973.8
7.5°	1068.2	1064.1	1063.0	1060.0	1050.7	1032.3	1015.8	999.4	985.1	973.8	968.6
10°	1110.2	1110.2	1104.1	1100.0	1089.7	1065.1	1041.5	1019.9	1000.5	988.1	985.1
12.5°	1163.6	1163.6	1158.5	1155.4	1143.1	1111.3	1082.5	1056.9	1038.4	1026.1	1025.1
15°	1219.0	1218.0	1213.9	1209.8	1196.4	1162.6	1133.8	1111.3	1095.9	1081.5	1077.4
17.5°	1268.3	1268.3	1263.1	1259.0	1245.7	1217.0	1191.3	1174.9	1157.4	1127.7	1105.1
20°	1317.5	1318.5	1314.4	1310.3	1299.0	1274.4	1263.1	1246.7	1207.7	1143.1	1089.7
22.5°	1371.9	1376.0	1370.9	1366.8	1357.5	1347.3	1343.2	1304.2	1222.1	1118.5	1040.5
25°	1441.7	1448.9	1442.7	1440.7	1435.5	1438.6	1426.3	1336.0	1201.6	1065.1	967.6
27.5°	1537.1	1537.1	1538.1	1538.1	1536.1	1547.4	1502.2	1337.0	1156.4	996.3	880.4
30°	1649.0	1655.1	1653.1	1653.1	1661.3	1668.4	1544.3	1314.4	1099.0	911.2	773.7
32.5°	1783.4	1788.5	1790.6	1781.3	1814.2	1777.2	1559.7	1273.4	1028.2	805.5	646.4
35°	1945.5	1952.7	1957.8	1958.8	1980.4	1871.6	1551.5	1212.9	926.6	673.1	506.9
37.5°	2156.9	2171.2	2182.5	2187.7	2188.7	1951.7	1528.9	1132.8	794.2	525.4	377.6
40°	2438.0	2453.4	2450.3	2460.6	2402.1	1998.9	1477.6	1016.9	630.0	385.8	291.4
42.5°	2708.9	2711.0	2715.1	2705.8	2586.8	2023.5	1405.8	875.3	472.0	288.3	249.3
45°	3011.6	2994.2	2974.7	2960.3	2757.1	2032.7	1307.3	702.9	333.5	242.2	230.9
47.5°	3295.9	3272.3	3232.2	3191.2	2909.0	2018.3	1181.0	526.4	253.4	221.6	218.6
50°	3575.0	3530.8	3474.4	3427.2	3054.7	1996.8	1041.5	379.7	221.6	211.4	208.3
52.5°	3920.7	3846.9	3773.0	3711.4	3244.5	1962.9	894.8	288.3	208.3	203.2	199.1
55°	4394.8	4292.2	4173.2	4087.0	3502.1	1911.6	740.8	244.2	202.1	198.0	191.9
57.5°	5051.5	4897.6	4763.2	4622.6	3854.1	1859.3	608.5	226.8	201.1	195.0	186.8
60°	5722.6	5537.9	5366.5	5165.4	4213.2	1807.0	516.1	224.7	204.2	195.0	182.6
62.5°	6071.5	5880.6	5674.4	5470.2	4368.1	1683.8	452.5	227.8	211.4	198.0	182.6
65°	5991.4	5758.5	5549.2	5340.9	4188.6	1450.9	382.7	231.9	225.7	210.4	185.7
67°	5589.2	5346.0	5144.9	4945.8	3788.4	1214.9	328.4	236.0	241.1	224.7	191.9
67.5°	5447.6	5204.4	5006.4	4812.4	3670.4	1165.7	315.0	238.1	244.2	228.8	193.9
70°	4516.9	4338.4	4128.0	3978.2	2971.6	863.0	258.6	242.2	262.7	252.4	203.2
72.5°	3250.7	3080.4	2922.3	2839.2	2188.7	603.4	217.5	238.1	274.0	265.8	207.3
75°	1728.0	1717.7	1660.2	1701.3	1354.5	394.0	191.9	222.7	261.7	243.2	192.9
77.5°	348.9	359.1	421.7	415.6	437.1	219.6	164.2	190.9	202.1	178.5	157.0
80°	162.1	159.0	156.0	158.0	154.9	140.6	133.4	149.8	140.6	114.9	104.7
82.5°	100.6	98.5	95.4	94.4	104.7	111.8	117.0	118.0	93.4	80.0	77.0
85°	48.2	48.2	47.2	49.3	61.6	91.3	98.5	87.2	62.6	57.5	54.4
87.5°	9.2	9.2	10.3	9.2	12.3	21.5	24.6	28.7	23.6	24.6	27.7
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: P151231

CATALOG NUMBER: TLM-E03-LED-E1-SL3-7050

**CANDELA DISTRIBUTION (continued):**

	165°	175°	180°
0°	1021.0	1021.0	1021.0
2.5°	990.2	988.1	988.1
5°	969.7	968.6	968.6
7.5°	964.5	965.6	964.5
10°	984.0	983.0	987.1
12.5°	1027.1	1030.2	1029.2
15°	1072.3	1074.3	1074.3
17.5°	1085.6	1078.4	1077.4
20°	1050.7	1037.4	1034.3
22.5°	985.1	960.4	961.5
25°	901.9	872.2	874.2
27.5°	805.5	773.7	772.7
30°	689.5	654.7	637.2
32.5°	550.0	507.9	507.9
35°	413.5	379.7	367.3
37.5°	314.0	294.5	288.3
40°	261.7	252.4	250.4
42.5°	238.1	235.0	234.0
45°	225.7	223.7	222.7
47.5°	214.5	213.4	212.4
50°	206.2	205.2	204.2
52.5°	199.1	197.0	196.0
55°	188.8	188.8	188.8
57.5°	182.6	182.6	181.6
60°	176.5	175.5	175.5
62.5°	171.4	169.3	170.3
65°	168.3	165.2	165.2
67°	166.2	160.1	160.1
67.5°	166.2	158.0	158.0
70°	163.2	149.8	147.8
72.5°	160.1	140.6	137.5
75°	151.9	133.4	130.3
77.5°	130.3	119.0	117.0
80°	100.6	87.2	89.3
82.5°	72.9	62.6	61.6
85°	52.3	45.1	45.1
87.5°	27.7	23.6	24.6
90°	0.0	0.0	0.0

(END OF REPORT)