

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: P148940

Luminaire Tested: **TLM-E02-LED-E1-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P148940
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-E02-LED-E1-RW
Description: TALON MEDIUM LED SITE LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6247.9 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 3.07 / 1.6
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
CIE Type: Direct

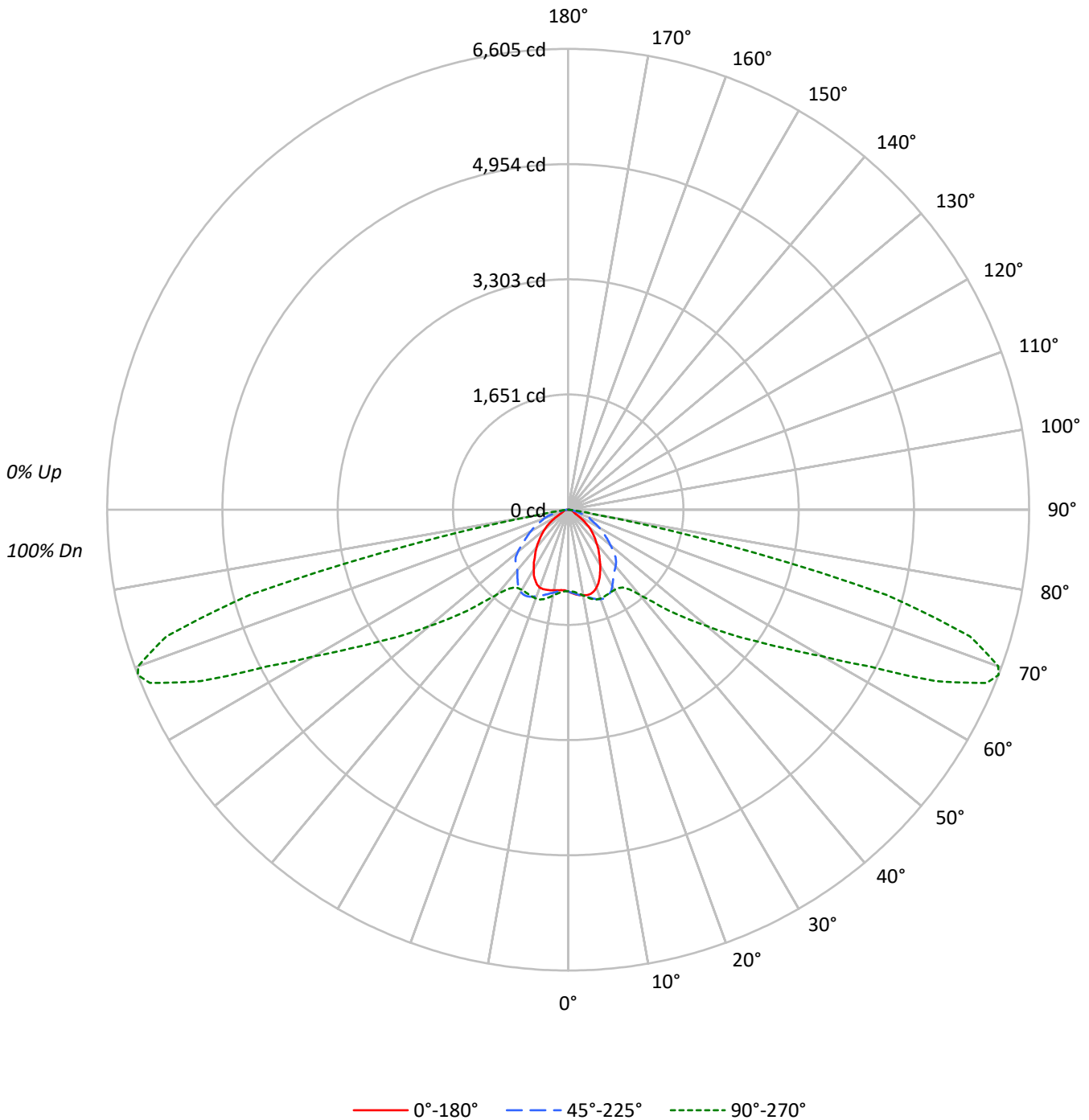
Input Watts (W): 52.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: TLM-E02-LED-E1-RW

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	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°	38186	38186	38186
5°	39880	38875	37873
10°	41246	41378	38884
15°	42187	44777	40117
20°	41168	46999	41261
25°	38412	48154	40140
30°	34575	49991	37137
35°	30712	54182	33209
40°	27081	67416	29921
45°	23678	94472	26141
50°	19927	131697	22429
55°	14370	186907	17629
60°	8565	273684	10523
65°	7718	448419	7718
70°	7887	625359	8011
75°	8406	595183	8822
80°	8509	76638	9260
85°	5501	19199	7747



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.8	1.8
10°-20°	362.2	5.8
20°-30°	586.9	9.4
30°-40°	731.4	11.7
40°-50°	914.0	14.6
50°-60°	1128.5	18.1
60°-70°	1402.3	22.4
70°-80°	930.9	14.9
80°-90°	76.9	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°	1063.9	17.0
0°-40°	1795.3	28.7
0°-60°	3837.8	61.4
0°-90°	6247.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6247.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1171	1171	1171	1171	1171	
5°	1218	1211	1187	1169	1157	117
15°	1249	1313	1326	1261	1188	350
25°	1067	1359	1338	1372	1115	488
35°	771	1136	1361	1264	834	483
45°	513	957	2048	1068	567	396
55°	253	647	3287	759	310	225
65°	100	375	5810	477	100	101
75°	67	148	4723	193	70	70
85°	15	28	51	37	21	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	1170.7	1170.7	1170.7	1170.7	1170.7	1170.7	1170.7	1170.7	1170.7	1170.7	1170.7
2.5°	1197.3	1201.3	1197.3	1197.3	1194.0	1190.7	1188.7	1184.0	1181.3	1180.0	1180.0
5°	1218.0	1217.3	1218.0	1218.0	1214.7	1210.7	1208.0	1204.0	1200.0	1199.3	1198.7
7.5°	1233.3	1232.7	1234.7	1238.7	1236.7	1233.3	1233.3	1229.3	1226.7	1226.7	1225.3
10°	1245.3	1246.0	1250.0	1256.0	1257.3	1256.7	1261.3	1260.0	1258.7	1260.0	1258.7
12.5°	1253.3	1254.0	1259.3	1270.7	1278.0	1282.7	1294.7	1295.3	1296.0	1296.0	1296.0
15°	1249.3	1249.3	1260.0	1281.3	1299.3	1313.3	1328.7	1331.3	1328.7	1330.7	1329.3
17.5°	1226.0	1227.3	1244.7	1277.3	1314.0	1344.7	1361.3	1356.7	1352.0	1352.0	1350.0
20°	1186.0	1188.7	1212.0	1258.0	1316.0	1364.7	1390.7	1375.3	1362.7	1360.7	1358.7
22.5°	1136.7	1134.7	1162.7	1220.7	1300.7	1373.3	1408.7	1390.0	1367.3	1362.7	1359.3
25°	1067.3	1068.7	1098.0	1162.7	1262.0	1359.3	1414.0	1404.7	1378.0	1372.0	1364.7
27.5°	991.3	994.7	1026.0	1092.0	1202.0	1324.7	1408.0	1419.3	1398.7	1392.0	1385.3
30°	918.0	920.0	955.3	1026.0	1128.0	1263.3	1392.0	1435.3	1424.7	1419.3	1413.3
32.5°	840.0	846.7	877.3	957.3	1069.3	1196.0	1367.3	1452.0	1456.0	1452.7	1449.3
35°	771.3	776.7	811.3	895.3	1012.7	1136.0	1337.3	1470.0	1497.3	1496.7	1496.0
37.5°	709.3	710.7	747.3	832.7	956.7	1094.0	1306.0	1499.3	1548.0	1554.7	1562.7
40°	636.0	642.7	680.7	772.7	901.3	1058.0	1279.3	1538.7	1618.7	1633.3	1644.7
42.5°	577.3	577.3	611.3	702.7	836.0	1016.7	1270.0	1588.0	1702.7	1722.7	1742.7
45°	513.3	515.3	548.0	631.3	761.3	956.7	1268.7	1642.7	1796.7	1825.3	1850.0
47.5°	452.7	454.0	488.7	569.3	684.0	874.0	1252.0	1703.3	1895.3	1936.7	1964.0
50°	392.7	390.7	424.0	506.0	615.3	788.7	1198.7	1782.0	2018.0	2059.3	2090.7
52.5°	318.7	324.0	360.0	438.0	548.0	716.0	1090.0	1859.3	2144.7	2191.3	2234.0
55°	252.7	252.0	292.7	363.3	475.3	647.3	961.3	1914.0	2268.0	2322.0	2369.3
57.5°	181.3	183.3	218.0	288.0	400.0	586.0	864.0	1904.7	2363.3	2427.3	2487.3
60°	131.3	135.3	161.3	212.7	319.3	515.3	796.0	1796.7	2428.7	2516.0	2588.7
62.5°	110.7	114.0	136.7	164.7	246.7	441.3	730.0	1623.3	2513.3	2628.7	2734.0
65°	100.0	102.7	125.3	141.3	189.3	375.3	688.7	1500.7	2624.7	2800.0	2944.0
67.5°	90.0	94.0	114.0	126.0	160.7	335.3	676.7	1482.0	2646.0	2878.0	3082.7
69°	85.3	89.3	107.3	118.0	151.3	322.7	654.0	1414.7	2506.7	2756.0	2985.3
70°	82.7	86.0	102.0	113.3	148.7	310.7	622.0	1316.0	2358.7	2610.0	2856.7
72.5°	76.0	78.0	91.3	102.7	136.7	238.7	471.3	950.7	1760.7	2009.3	2251.3
75°	66.7	68.7	80.7	92.0	106.0	148.0	286.0	564.0	1080.7	1248.0	1490.7
77.5°	57.3	59.3	69.3	86.7	84.0	96.7	174.7	337.3	566.7	650.0	805.3
80°	45.3	48.0	58.0	83.3	70.0	76.7	128.0	249.3	344.7	379.3	420.0
82.5°	32.0	33.3	44.0	66.7	52.7	58.0	96.0	207.3	276.7	302.0	314.0
85°	14.7	15.3	26.0	39.3	31.3	28.0	51.3	132.7	183.3	190.7	201.3
87.5°	0.0	0.0	2.7	2.7	5.3	3.3	6.0	16.7	28.0	28.0	34.0
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):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	1170.7	1170.7	1170.7	1170.7	1170.7	1170.7	1170.7	1170.7	1170.7	1170.7	1170.7
2.5°	1180.7	1180.0	1180.7	1180.7	1181.3	1178.7	1178.0	1177.3	1176.7	1177.3	1176.0
5°	1198.7	1198.0	1198.0	1198.7	1198.0	1196.0	1195.3	1195.3	1193.3	1192.7	1192.7
7.5°	1226.0	1224.7	1222.7	1224.0	1224.7	1224.0	1224.7	1222.7	1222.7	1220.7	1221.3
10°	1260.0	1258.7	1258.0	1259.3	1260.0	1259.3	1260.0	1257.3	1256.7	1256.0	1254.7
12.5°	1297.3	1294.7	1296.7	1296.7	1297.3	1300.0	1296.7	1298.0	1295.3	1295.3	1294.7
15°	1330.0	1329.3	1330.7	1330.7	1330.0	1332.0	1331.3	1332.0	1328.7	1327.3	1330.7
17.5°	1350.7	1348.7	1349.3	1348.7	1348.7	1348.7	1350.0	1350.0	1348.0	1347.3	1348.7
20°	1356.0	1352.7	1352.0	1351.3	1350.0	1350.0	1350.7	1349.3	1348.0	1346.7	1348.0
22.5°	1354.7	1350.7	1346.7	1344.7	1342.7	1340.0	1339.3	1338.0	1336.0	1336.0	1336.7
25°	1359.3	1352.0	1346.0	1342.0	1336.7	1333.3	1330.7	1327.3	1324.0	1322.0	1322.7
27.5°	1375.3	1367.3	1359.3	1351.3	1343.3	1336.7	1331.3	1325.3	1320.0	1316.0	1314.0
30°	1405.3	1394.7	1385.3	1376.0	1366.0	1356.7	1348.0	1338.7	1328.7	1322.7	1317.3
32.5°	1440.0	1432.7	1426.7	1416.0	1405.3	1394.0	1383.3	1375.3	1360.7	1349.3	1340.0
35°	1492.7	1490.0	1486.7	1478.7	1466.7	1460.7	1452.0	1439.3	1422.0	1412.0	1398.0
37.5°	1565.3	1566.0	1563.3	1560.0	1561.3	1550.0	1544.7	1543.3	1526.0	1519.3	1498.7
40°	1654.7	1664.7	1673.3	1673.3	1680.0	1680.7	1679.3	1690.7	1678.0	1680.7	1658.7
42.5°	1754.0	1778.0	1791.3	1801.3	1823.3	1833.3	1850.0	1874.7	1876.0	1888.7	1890.0
45°	1871.3	1898.0	1923.3	1949.3	1978.7	2013.3	2048.0	2073.3	2113.3	2122.0	2150.7
47.5°	1993.3	2032.0	2061.3	2094.7	2144.7	2189.3	2240.7	2292.7	2338.7	2371.3	2390.0
50°	2128.0	2167.3	2210.0	2247.3	2300.7	2363.3	2434.7	2506.0	2565.3	2623.3	2670.0
52.5°	2277.3	2320.7	2360.7	2409.3	2463.3	2538.0	2616.0	2714.0	2793.3	2872.7	2930.0
55°	2420.7	2469.3	2506.0	2568.0	2624.0	2700.7	2797.3	2913.3	3023.3	3119.3	3197.3
57.5°	2545.3	2593.3	2644.7	2698.0	2766.0	2842.7	2961.3	3093.3	3218.7	3344.7	3460.0
60°	2662.0	2726.7	2782.7	2853.3	2921.3	3010.0	3151.3	3314.7	3486.0	3642.7	3758.0
62.5°	2838.0	2920.7	2986.7	3074.0	3168.7	3273.3	3429.3	3609.3	3832.7	4034.7	4214.0
65°	3084.0	3210.7	3317.3	3424.7	3540.0	3684.0	3852.7	4081.3	4328.0	4626.7	4863.3
67.5°	3259.3	3418.0	3556.0	3690.7	3823.3	3982.7	4191.3	4459.3	4778.7	5092.7	5393.3
69°	3188.7	3356.7	3510.0	3644.0	3784.0	3943.3	4146.7	4440.7	4766.0	5111.3	5409.3
70°	3040.0	3221.3	3385.3	3513.3	3656.7	3814.7	4039.3	4320.0	4652.0	5009.3	5301.3
72.5°	2444.7	2636.0	2798.0	2940.0	3090.0	3275.3	3475.3	3744.7	4112.7	4462.7	4722.7
75°	1684.0	1862.7	2046.0	2152.0	2324.0	2456.0	2646.0	2922.0	3229.3	3486.7	3727.3
77.5°	952.7	1048.7	1187.3	1230.7	1354.0	1442.0	1542.7	1712.7	1872.7	2022.0	2065.3
80°	433.3	404.7	418.7	397.3	420.7	406.0	389.3	398.7	396.7	426.7	398.7
82.5°	312.0	269.3	224.0	193.3	170.0	144.0	122.7	110.0	108.7	114.0	112.0
85°	199.3	182.0	142.7	114.7	88.0	68.0	56.7	51.3	51.3	54.7	54.0
87.5°	34.7	30.0	18.7	16.0	14.0	9.3	6.0	6.0	5.3	6.7	8.7
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):

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	1170.7	1170.7	1170.7	1170.7	1170.7	1170.7	1170.7	1170.7	1170.7	1170.7	1170.7
2.5°	1176.0	1175.3	1174.0	1173.3	1173.3	1172.0	1171.3	1172.7	1173.3	1174.0	1172.0
5°	1192.7	1190.7	1190.0	1190.7	1187.3	1188.0	1187.3	1188.0	1188.0	1188.0	1186.7
7.5°	1219.3	1217.3	1218.7	1217.3	1215.3	1214.7	1214.7	1212.7	1210.0	1209.3	1210.0
10°	1256.0	1253.3	1254.0	1254.7	1252.7	1251.3	1249.3	1246.7	1246.7	1246.0	1244.7
12.5°	1295.3	1294.0	1294.0	1294.7	1294.0	1291.3	1288.7	1287.3	1286.7	1286.7	1286.7
15°	1329.3	1328.7	1329.3	1328.7	1328.7	1327.3	1326.0	1324.0	1323.3	1324.0	1324.7
17.5°	1348.7	1346.7	1348.7	1349.3	1348.7	1348.7	1348.7	1347.3	1346.7	1346.7	1347.3
20°	1350.0	1348.7	1350.0	1352.0	1352.0	1352.7	1354.0	1354.7	1354.0	1355.3	1356.0
22.5°	1336.7	1336.7	1338.7	1340.7	1344.0	1345.3	1348.0	1349.3	1350.7	1352.7	1354.0
25°	1323.3	1322.7	1324.7	1328.7	1331.3	1334.7	1338.0	1340.7	1343.3	1346.0	1348.7
27.5°	1314.0	1313.3	1314.7	1318.0	1321.3	1325.3	1330.7	1334.7	1338.0	1341.3	1343.3
30°	1314.7	1312.0	1311.3	1314.0	1317.3	1322.0	1327.3	1332.0	1336.7	1339.3	1341.3
32.5°	1334.0	1327.3	1324.7	1324.0	1325.3	1328.7	1332.7	1337.3	1340.7	1343.3	1344.0
35°	1384.0	1371.3	1368.7	1360.0	1361.3	1360.7	1360.7	1363.3	1366.0	1366.0	1361.3
37.5°	1485.3	1467.3	1454.7	1446.0	1437.3	1436.7	1435.3	1434.0	1427.3	1423.3	1422.7
40°	1643.3	1636.0	1612.0	1605.3	1590.7	1580.7	1583.3	1578.0	1562.0	1556.0	1553.3
42.5°	1874.0	1878.0	1864.7	1833.3	1820.7	1801.3	1785.3	1782.7	1768.0	1756.0	1746.7
45°	2144.7	2152.0	2142.0	2119.3	2096.7	2067.3	2048.0	2010.7	1996.0	1977.3	1964.7
47.5°	2422.7	2442.7	2426.7	2406.7	2394.0	2348.0	2308.0	2264.7	2242.7	2216.0	2204.0
50°	2698.7	2734.0	2724.7	2706.0	2692.0	2634.0	2595.3	2535.3	2522.7	2496.0	2481.3
52.5°	2974.7	3009.3	3030.0	3012.7	3002.7	2956.0	2929.3	2881.3	2845.3	2828.7	2828.0
55°	3253.3	3309.3	3342.0	3336.0	3319.3	3313.3	3286.7	3282.0	3254.0	3236.0	3212.0
57.5°	3526.0	3585.3	3642.0	3675.3	3689.3	3684.7	3697.3	3696.0	3700.0	3698.0	3658.7
60°	3872.7	3966.7	4049.3	4102.0	4152.0	4186.7	4195.3	4246.7	4232.0	4264.0	4202.7
62.5°	4362.0	4484.0	4609.3	4664.7	4726.0	4838.7	4865.3	4926.0	4935.3	4943.3	4910.7
65°	5044.0	5204.0	5393.3	5478.0	5574.0	5718.7	5810.0	5874.7	5872.7	5828.7	5786.7
67.5°	5626.0	5815.3	5989.3	6136.7	6280.0	6392.7	6488.7	6576.0	6580.7	6553.3	6481.3
69°	5676.0	5874.0	6063.3	6240.7	6382.7	6508.0	6605.3	6673.3	6688.0	6664.0	6597.3
70°	5583.3	5783.3	5989.3	6159.3	6320.0	6452.7	6557.3	6622.7	6642.7	6618.0	6555.3
72.5°	5013.3	5207.3	5361.3	5561.3	5790.0	5873.3	6034.7	6088.0	6137.3	6104.7	6067.3
75°	3927.3	4110.0	4269.3	4373.3	4478.0	4684.0	4722.7	4822.7	4856.7	4824.7	4866.0
77.5°	2046.0	2169.3	2222.7	2139.3	2152.0	2314.7	2222.7	2330.7	2392.7	2410.7	2436.7
80°	391.3	411.3	426.7	421.3	426.7	438.7	408.0	391.3	413.3	408.7	408.7
82.5°	115.3	113.3	113.3	119.3	118.7	121.3	121.3	116.7	120.0	120.0	120.7
85°	52.7	50.0	49.3	50.0	49.3	49.3	51.3	51.3	55.3	52.0	52.7
87.5°	6.7	6.0	6.7	6.7	5.3	5.3	6.0	6.7	6.7	6.0	6.0
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: P148940

CATALOG NUMBER: TLM-E02-LED-E1-RW

CANDELA DISTRIBUTION (continued):

	95°	96°	97°	98°	99°	100°	105°	115°	125°	135°	145°
0°	1170.7	1170.7	1170.7	1170.7	1170.7	1170.7	1170.7	1170.7	1170.7	1170.7	1170.7
2.5°	1171.3	1170.7	1170.7	1170.7	1170.0	1169.3	1168.7	1166.7	1164.7	1164.0	1160.7
5°	1184.0	1184.7	1183.3	1182.0	1182.0	1182.0	1180.0	1174.7	1170.7	1168.7	1164.0
7.5°	1210.7	1209.3	1207.3	1206.7	1205.3	1206.0	1202.0	1195.3	1188.0	1183.3	1176.0
10°	1246.0	1244.7	1243.3	1242.0	1240.0	1240.0	1235.3	1225.3	1214.0	1206.0	1192.7
12.5°	1287.3	1286.0	1284.7	1284.0	1280.7	1280.0	1273.3	1261.3	1246.7	1231.3	1212.0
15°	1325.3	1323.3	1322.7	1320.7	1318.7	1318.0	1312.0	1296.0	1278.0	1260.7	1235.3
17.5°	1349.3	1348.0	1346.0	1344.7	1344.0	1343.3	1334.7	1321.3	1307.3	1290.0	1259.3
20°	1357.3	1358.0	1356.7	1355.3	1353.3	1352.0	1344.0	1331.3	1328.7	1319.3	1288.0
22.5°	1356.0	1356.0	1355.3	1352.7	1351.3	1348.0	1336.7	1330.7	1345.3	1349.3	1309.3
25°	1350.7	1350.0	1348.0	1346.0	1342.0	1337.3	1320.0	1323.3	1364.7	1372.0	1314.0
27.5°	1344.7	1344.0	1340.7	1336.0	1330.0	1323.3	1301.3	1323.3	1382.7	1376.7	1294.7
30°	1341.3	1338.7	1334.0	1327.3	1319.3	1312.0	1288.0	1340.7	1395.3	1360.7	1241.3
32.5°	1342.0	1337.3	1330.7	1322.0	1312.7	1304.0	1287.3	1371.3	1400.0	1322.0	1166.0
35°	1358.0	1350.7	1342.0	1333.3	1324.0	1316.0	1317.3	1414.0	1399.3	1264.0	1093.3
37.5°	1416.0	1403.3	1397.3	1388.0	1374.7	1368.0	1394.7	1461.3	1390.0	1193.3	1029.3
40°	1544.0	1533.3	1524.7	1500.7	1505.3	1500.0	1525.3	1526.0	1378.0	1134.0	976.0
42.5°	1730.7	1730.7	1712.0	1708.7	1696.0	1702.0	1713.3	1602.0	1366.0	1098.7	923.3
45°	1950.7	1967.3	1960.0	1958.0	1968.0	1980.0	1928.0	1692.0	1366.7	1068.0	862.0
47.5°	2212.0	2226.0	2233.3	2245.3	2258.0	2250.7	2143.3	1786.7	1378.7	1024.0	783.3
50°	2490.0	2524.0	2534.7	2550.0	2561.3	2563.3	2347.3	1884.0	1391.3	943.3	698.0
52.5°	2834.7	2866.7	2878.0	2888.7	2880.0	2872.7	2547.3	1999.3	1381.3	847.3	625.3
55°	3240.0	3246.0	3244.0	3230.7	3223.3	3183.3	2732.7	2122.0	1303.3	758.7	556.0
57.5°	3662.0	3664.7	3640.7	3594.0	3540.0	3502.0	2910.7	2223.3	1138.0	687.3	487.3
60°	4205.3	4150.7	4110.0	4038.7	3950.7	3869.3	3101.3	2280.0	980.0	618.7	410.0
62.5°	4861.3	4752.0	4664.0	4592.0	4462.0	4318.7	3344.7	2287.3	884.0	553.3	322.0
65°	5710.7	5595.3	5445.3	5322.0	5181.3	4988.0	3737.3	2234.7	836.7	477.3	235.3
67.5°	6379.3	6262.7	6094.7	5956.7	5775.3	5550.0	4062.7	2142.7	825.3	408.7	185.3
69°	6496.0	6368.7	6217.3	6044.7	5852.0	5611.3	4075.3	2036.0	808.0	382.7	170.0
70°	6453.3	6320.7	6174.7	5991.3	5775.3	5528.0	3979.3	1917.3	773.3	368.0	164.7
72.5°	5974.7	5772.7	5626.0	5469.3	5206.7	4956.0	3426.0	1450.7	602.0	310.0	154.0
75°	4783.3	4610.7	4445.3	4367.3	4149.3	3936.7	2572.0	921.3	393.3	192.7	120.7
77.5°	2438.7	2407.3	2454.7	2419.3	2262.0	2262.0	1587.3	489.3	231.3	116.0	92.0
80°	438.0	456.7	448.0	466.7	434.0	482.0	558.0	328.7	164.0	88.7	75.3
82.5°	122.7	124.0	122.7	123.3	127.3	134.0	290.0	282.7	126.7	66.7	58.7
85°	57.3	58.0	59.3	59.3	64.7	66.0	194.7	202.7	74.0	36.7	39.3
87.5°	6.7	8.7	8.7	8.0	9.3	9.3	36.0	40.7	10.0	7.3	12.0
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: P148940

CATALOG NUMBER: TLM-E02-LED-E1-RW

CANDELA DISTRIBUTION (continued):

	155°	165°	175°	180°
0°	1170.7	1170.7	1170.7	1170.7
2.5°	1158.0	1155.3	1152.7	1154.7
5°	1162.0	1158.0	1154.7	1156.7
7.5°	1172.7	1166.0	1165.3	1165.3
10°	1186.0	1176.7	1174.0	1174.0
12.5°	1200.0	1187.3	1182.7	1182.7
15°	1214.7	1196.7	1190.0	1188.0
17.5°	1231.3	1206.0	1194.0	1194.0
20°	1247.3	1207.3	1189.3	1188.7
22.5°	1250.0	1192.0	1166.0	1164.7
25°	1230.0	1156.0	1122.0	1115.3
27.5°	1182.7	1100.0	1064.0	1062.7
30°	1111.3	1026.7	990.0	986.0
32.5°	1041.3	951.3	917.3	917.3
35°	970.7	882.7	838.7	834.0
37.5°	905.3	810.0	770.7	770.0
40°	845.3	746.7	708.7	702.7
42.5°	785.3	680.0	636.7	635.3
45°	714.0	607.3	570.0	566.7
47.5°	638.0	542.0	502.7	502.0
50°	569.3	481.3	442.0	442.0
52.5°	506.7	422.0	382.7	378.7
55°	436.0	354.7	314.7	310.0
57.5°	359.3	279.3	243.3	233.3
60°	278.0	203.3	166.7	161.3
62.5°	202.7	148.7	121.3	117.3
65°	152.7	126.7	104.0	100.0
67.5°	131.3	114.0	94.7	90.7
69°	122.0	108.0	90.7	86.7
70°	118.0	104.0	87.3	84.0
72.5°	108.7	95.3	80.0	78.7
75°	99.3	86.7	72.0	70.0
77.5°	96.0	75.3	62.0	60.7
80°	98.0	61.3	50.7	49.3
82.5°	80.0	49.3	39.3	37.3
85°	50.0	33.3	20.7	20.7
87.5°	12.7	10.7	6.0	6.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)