

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: P148939

Luminaire Tested: **TLM-E02-LED-E1-RW-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P148939  
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-7030  
Description: TALON MEDIUM LED SITE LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE  
Light Source: (42) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

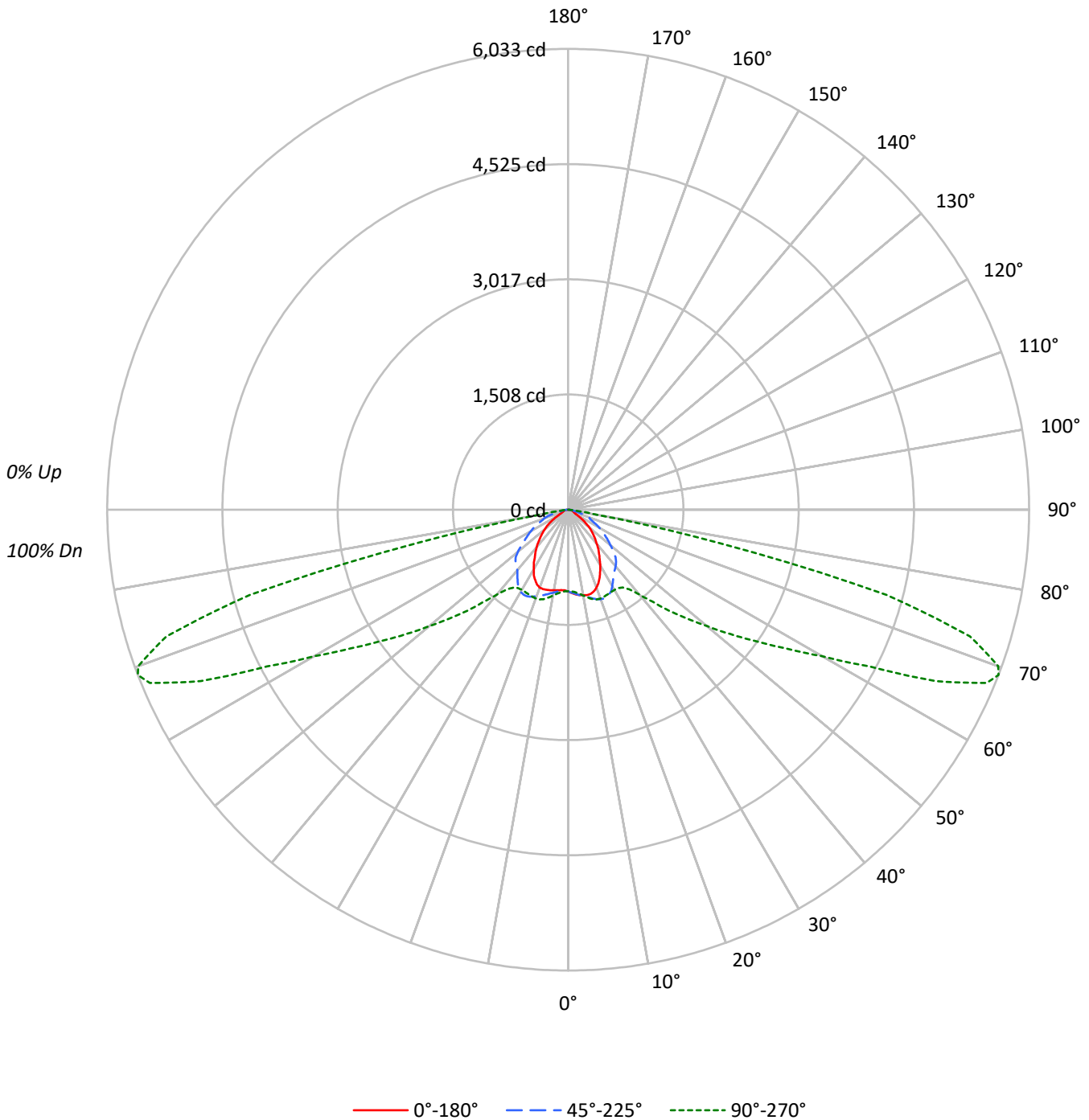
Lumens per Lamp: N/A  
Luminaire Lumens: 5706.5 lumens  
Efficiency: N/A  
Efficacy: 109.5 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 3.07 / 1.6  
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')  
CIE Type: Direct

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



TEST NUMBER: P148939  
CATALOG NUMBER: TLM-E02-LED-E1-RW-7030

### 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	106	101	95	91	104	98	93	89	94	90	86	90	87	84	86	84	81	79
2	94	84	76	69	91	82	75	68	79	72	66	75	70	65	72	67	63	61
3	84	72	62	54	81	70	61	54	67	59	52	64	57	51	61	55	51	48
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	47	41	39
5	69	54	44	36	67	53	43	36	51	42	35	49	41	35	47	40	35	32
6	63	48	38	31	61	47	37	30	45	36	30	43	36	30	42	35	29	27
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	38	31	25	23
8	54	39	29	23	52	38	29	23	37	29	23	35	28	23	34	27	22	20
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16

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

	0°	90°	180°
0°	34875	34875	34875
5°	36426	35509	34589
10°	37672	37794	35516
15°	38533	40897	36642
20°	37599	42927	37686
25°	35083	43983	36663
30°	31581	45660	33920
35°	28053	49487	30330
40°	24735	61574	27328
45°	21630	86284	23876
50°	18197	120285	20486
55°	13125	170711	16099
60°	7828	249971	9616
65°	7047	409566	7047
70°	7200	571171	7315
75°	7675	543600	8053
80°	7777	69989	8472
85°	5015	17552	7073



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.9	1.8
10°-20°	330.9	5.8
20°-30°	536.0	9.4
30°-40°	668.0	11.7
40°-50°	834.8	14.6
50°-60°	1030.7	18.1
60°-70°	1280.8	22.4
70°-80°	850.3	14.9
80°-90°	70.2	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°	971.8	17.0
0°-40°	1639.8	28.7
0°-60°	3505.3	61.4
0°-90°	5706.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5706.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1069	1069	1069	1069	1069	
5°	1112	1106	1084	1067	1056	107
15°	1141	1200	1211	1151	1085	319
25°	975	1242	1222	1253	1019	445
35°	704	1038	1243	1154	762	441
45°	469	874	1870	976	518	361
55°	231	591	3002	693	283	206
65°	91	343	5307	436	91	92
75°	61	135	4313	176	64	64
85°	13	26	47	34	19	17
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°	1069.2	1069.2	1069.2	1069.2	1069.2	1069.2	1069.2	1069.2	1069.2	1069.2	1069.2
2.5°	1093.6	1097.2	1093.6	1093.6	1090.5	1087.5	1085.7	1081.4	1079.0	1077.8	1077.8
5°	1112.5	1111.9	1112.5	1112.5	1109.4	1105.8	1103.3	1099.7	1096.0	1095.4	1094.8
7.5°	1126.5	1125.9	1127.7	1131.3	1129.5	1126.5	1126.5	1122.8	1120.4	1120.4	1119.2
10°	1137.4	1138.0	1141.7	1147.2	1148.4	1147.8	1152.0	1150.8	1149.6	1150.8	1149.6
12.5°	1144.7	1145.3	1150.2	1160.6	1167.3	1171.5	1182.5	1183.1	1183.7	1183.7	1183.7
15°	1141.1	1141.1	1150.8	1170.3	1186.7	1199.5	1213.5	1216.0	1213.5	1215.4	1214.1
17.5°	1119.8	1121.0	1136.8	1166.7	1200.1	1228.2	1243.4	1239.1	1234.8	1234.8	1233.0
20°	1083.2	1085.7	1107.0	1149.0	1202.0	1246.4	1270.2	1256.2	1244.6	1242.8	1240.9
22.5°	1038.2	1036.3	1061.9	1114.9	1188.0	1254.3	1286.6	1269.6	1248.9	1244.6	1241.5
25°	974.8	976.1	1002.9	1061.9	1152.6	1241.5	1291.5	1283.0	1258.6	1253.1	1246.4
27.5°	905.4	908.5	937.1	997.4	1097.8	1209.9	1286.0	1296.3	1277.5	1271.4	1265.3
30°	838.5	840.3	872.6	937.1	1030.3	1153.9	1271.4	1311.0	1301.2	1296.3	1290.9
32.5°	767.2	773.3	801.3	874.4	976.7	1092.4	1248.9	1326.2	1329.8	1326.8	1323.7
35°	704.5	709.4	741.0	817.8	924.9	1037.6	1221.5	1342.6	1367.6	1367.0	1366.4
37.5°	647.9	649.1	682.6	760.5	873.8	999.2	1192.8	1369.4	1413.9	1420.0	1427.3
40°	580.9	587.0	621.7	705.7	823.2	966.3	1168.5	1405.3	1478.4	1491.8	1502.2
42.5°	527.3	527.3	558.4	641.8	763.6	928.6	1160.0	1450.4	1555.1	1573.4	1591.7
45°	468.9	470.7	500.5	576.6	695.4	873.8	1158.7	1500.3	1641.0	1667.2	1689.7
47.5°	413.4	414.7	446.3	520.0	624.7	798.3	1143.5	1555.7	1731.1	1768.9	1793.8
50°	358.6	356.8	387.3	462.2	562.0	720.3	1094.8	1627.6	1843.1	1880.9	1909.5
52.5°	291.1	295.9	328.8	400.0	500.5	654.0	995.6	1698.2	1958.8	2001.5	2040.4
55°	230.8	230.2	267.3	331.9	434.1	591.2	878.0	1748.2	2071.5	2120.8	2164.0
57.5°	165.6	167.4	199.1	263.0	365.3	535.2	789.1	1739.6	2158.6	2217.0	2271.8
60°	120.0	123.6	147.4	194.2	291.7	470.7	727.0	1641.0	2218.2	2298.0	2364.4
62.5°	101.1	104.1	124.8	150.4	225.3	403.1	666.7	1482.7	2295.6	2400.9	2497.1
65°	91.3	93.8	114.5	129.1	172.9	342.8	629.0	1370.6	2397.2	2557.4	2688.9
67.5°	82.2	85.9	104.1	115.1	146.7	306.3	618.0	1353.6	2416.7	2628.6	2815.6
69°	77.9	81.6	98.0	107.8	138.2	294.7	597.3	1292.1	2289.5	2517.2	2726.7
70°	75.5	78.5	93.2	103.5	135.8	283.7	568.1	1202.0	2154.3	2383.8	2609.1
72.5°	69.4	71.2	83.4	93.8	124.8	218.0	430.5	868.3	1608.1	1835.2	2056.3
75°	60.9	62.7	73.7	84.0	96.8	135.2	261.2	515.1	987.0	1139.9	1361.5
77.5°	52.4	54.2	63.3	79.2	76.7	88.3	159.5	308.1	517.6	593.7	735.6
80°	41.4	43.8	53.0	76.1	63.9	70.0	116.9	227.7	314.8	346.5	383.6
82.5°	29.2	30.4	40.2	60.9	48.1	53.0	87.7	189.4	252.7	275.8	286.8
85°	13.4	14.0	23.7	35.9	28.6	25.6	46.9	121.2	167.4	174.1	183.9
87.5°	0.0	0.0	2.4	2.4	4.9	3.0	5.5	15.2	25.6	25.6	31.1
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°	1069.2	1069.2	1069.2	1069.2	1069.2	1069.2	1069.2	1069.2	1069.2	1069.2	1069.2
2.5°	1078.4	1077.8	1078.4	1078.4	1079.0	1076.5	1075.9	1075.3	1074.7	1075.3	1074.1
5°	1094.8	1094.2	1094.2	1094.8	1094.2	1092.4	1091.8	1091.8	1089.9	1089.3	1089.3
7.5°	1119.8	1118.5	1116.7	1117.9	1118.5	1117.9	1118.5	1116.7	1116.7	1114.9	1115.5
10°	1150.8	1149.6	1149.0	1150.2	1150.8	1150.2	1150.8	1148.4	1147.8	1147.2	1146.0
12.5°	1184.9	1182.5	1184.3	1184.3	1184.9	1187.4	1184.3	1185.5	1183.1	1183.1	1182.5
15°	1214.8	1214.1	1215.4	1215.4	1214.8	1216.6	1216.0	1216.6	1213.5	1212.3	1215.4
17.5°	1233.6	1231.8	1232.4	1231.8	1231.8	1231.8	1233.0	1233.0	1231.2	1230.6	1231.8
20°	1238.5	1235.5	1234.8	1234.2	1233.0	1233.0	1233.6	1232.4	1231.2	1230.0	1231.2
22.5°	1237.3	1233.6	1230.0	1228.2	1226.3	1223.9	1223.3	1222.1	1220.2	1220.2	1220.8
25°	1241.5	1234.8	1229.4	1225.7	1220.8	1217.8	1215.4	1212.3	1209.3	1207.4	1208.1
27.5°	1256.2	1248.9	1241.5	1234.2	1226.9	1220.8	1216.0	1210.5	1205.6	1202.0	1200.1
30°	1283.6	1273.8	1265.3	1256.8	1247.6	1239.1	1231.2	1222.7	1213.5	1208.1	1203.2
32.5°	1315.2	1308.5	1303.0	1293.3	1283.6	1273.2	1263.5	1256.2	1242.8	1232.4	1223.9
35°	1363.3	1360.9	1357.8	1350.5	1339.6	1334.1	1326.2	1314.6	1298.8	1289.7	1276.9
37.5°	1429.7	1430.3	1427.9	1424.8	1426.0	1415.7	1410.8	1409.6	1393.8	1387.7	1368.8
40°	1511.3	1520.4	1528.3	1528.3	1534.4	1535.0	1533.8	1544.2	1532.6	1535.0	1514.9
42.5°	1602.0	1623.9	1636.1	1645.2	1665.3	1674.5	1689.7	1712.2	1713.4	1725.0	1726.2
45°	1709.2	1733.5	1756.7	1780.4	1807.2	1838.9	1870.5	1893.7	1930.2	1938.1	1964.3
47.5°	1820.6	1855.9	1882.7	1913.2	1958.8	1999.6	2046.5	2094.0	2136.0	2165.9	2182.9
50°	1943.6	1979.5	2018.5	2052.6	2101.3	2158.6	2223.7	2288.9	2343.0	2396.0	2438.6
52.5°	2080.0	2119.6	2156.1	2200.6	2249.9	2318.1	2389.3	2478.8	2551.3	2623.8	2676.1
55°	2210.9	2255.4	2288.9	2345.5	2396.6	2466.7	2554.9	2660.9	2761.4	2849.0	2920.3
57.5°	2324.8	2368.6	2415.5	2464.2	2526.3	2596.4	2704.7	2825.3	2939.8	3054.9	3160.2
60°	2431.3	2490.4	2541.5	2606.1	2668.2	2749.2	2878.3	3027.5	3183.9	3327.0	3432.4
62.5°	2592.1	2667.6	2727.9	2807.6	2894.1	2989.7	3132.2	3296.6	3500.6	3685.1	3848.9
65°	2816.8	2932.5	3029.9	3127.9	3233.3	3364.8	3518.8	3727.7	3953.0	4225.8	4441.9
67.5°	2976.9	3121.8	3247.9	3370.9	3492.0	3637.6	3828.2	4072.9	4364.6	4651.4	4926.0
69°	2912.4	3065.8	3205.9	3328.2	3456.1	3601.6	3787.4	4055.9	4353.0	4668.4	4940.6
70°	2776.6	2942.2	3092.0	3208.9	3339.8	3484.1	3689.3	3945.7	4248.9	4575.3	4842.0
72.5°	2232.8	2407.6	2555.6	2685.2	2822.3	2991.5	3174.2	3420.2	3756.3	4076.0	4313.4
75°	1538.1	1701.3	1868.7	1965.5	2122.6	2243.2	2416.7	2668.8	2949.5	3184.5	3404.4
77.5°	870.1	957.8	1084.5	1124.0	1236.7	1317.1	1409.0	1564.3	1710.4	1846.8	1886.4
80°	395.8	369.6	382.4	362.9	384.2	370.8	355.6	364.1	362.3	389.7	364.1
82.5°	285.0	246.0	204.6	176.6	155.3	131.5	112.0	100.5	99.3	104.1	102.3
85°	182.1	166.2	130.3	104.7	80.4	62.1	51.8	46.9	46.9	49.9	49.3
87.5°	31.7	27.4	17.0	14.6	12.8	8.5	5.5	5.5	4.9	6.1	7.9
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°	1069.2	1069.2	1069.2	1069.2	1069.2	1069.2	1069.2	1069.2	1069.2	1069.2	1069.2
2.5°	1074.1	1073.5	1072.3	1071.7	1071.7	1070.4	1069.8	1071.1	1071.7	1072.3	1070.4
5°	1089.3	1087.5	1086.9	1087.5	1084.5	1085.1	1084.5	1085.1	1085.1	1085.1	1083.8
7.5°	1113.7	1111.9	1113.1	1111.9	1110.0	1109.4	1109.4	1107.6	1105.2	1104.5	1105.2
10°	1147.2	1144.7	1145.3	1146.0	1144.1	1142.9	1141.1	1138.6	1138.6	1138.0	1136.8
12.5°	1183.1	1181.9	1181.9	1182.5	1181.9	1179.4	1177.0	1175.8	1175.2	1175.2	1175.2
15°	1214.1	1213.5	1214.1	1213.5	1213.5	1212.3	1211.1	1209.3	1208.7	1209.3	1209.9
17.5°	1231.8	1230.0	1231.8	1232.4	1231.8	1231.8	1231.8	1230.6	1230.0	1230.0	1230.6
20°	1233.0	1231.8	1233.0	1234.8	1234.8	1235.5	1236.7	1237.3	1236.7	1237.9	1238.5
22.5°	1220.8	1220.8	1222.7	1224.5	1227.5	1228.8	1231.2	1232.4	1233.6	1235.5	1236.7
25°	1208.7	1208.1	1209.9	1213.5	1216.0	1219.0	1222.1	1224.5	1226.9	1229.4	1231.8
27.5°	1200.1	1199.5	1200.8	1203.8	1206.8	1210.5	1215.4	1219.0	1222.1	1225.1	1226.9
30°	1200.8	1198.3	1197.7	1200.1	1203.2	1207.4	1212.3	1216.6	1220.8	1223.3	1225.1
32.5°	1218.4	1212.3	1209.9	1209.3	1210.5	1213.5	1217.2	1221.5	1224.5	1226.9	1227.5
35°	1264.1	1252.5	1250.1	1242.2	1243.4	1242.8	1242.8	1245.2	1247.6	1247.6	1243.4
37.5°	1356.6	1340.2	1328.6	1320.7	1312.8	1312.2	1311.0	1309.7	1303.7	1300.0	1299.4
40°	1500.9	1494.2	1472.3	1466.2	1452.8	1443.7	1446.1	1441.3	1426.7	1421.2	1418.7
42.5°	1711.6	1715.3	1703.1	1674.5	1662.9	1645.2	1630.6	1628.2	1614.8	1603.8	1595.3
45°	1958.8	1965.5	1956.4	1935.7	1915.0	1888.2	1870.5	1836.4	1823.0	1806.0	1794.4
47.5°	2212.7	2231.0	2216.4	2198.1	2186.6	2144.5	2108.0	2068.4	2048.3	2024.0	2013.0
50°	2464.8	2497.1	2488.6	2471.5	2458.7	2405.8	2370.4	2315.6	2304.1	2279.7	2266.3
52.5°	2716.9	2748.6	2767.5	2751.6	2742.5	2699.9	2675.5	2631.7	2598.8	2583.6	2583.0
55°	2971.4	3022.6	3052.4	3046.9	3031.7	3026.2	3001.9	2997.6	2972.0	2955.6	2933.7
57.5°	3220.5	3274.7	3326.4	3356.9	3369.7	3365.4	3377.0	3375.7	3379.4	3377.6	3341.6
60°	3537.1	3623.0	3698.5	3746.6	3792.2	3823.9	3831.8	3878.7	3865.3	3894.5	3838.5
62.5°	3984.0	4095.5	4209.9	4260.5	4316.5	4419.4	4443.8	4499.2	4507.7	4515.0	4485.2
65°	4606.9	4753.1	4926.0	5003.3	5091.0	5223.1	5306.6	5365.6	5363.8	5323.6	5285.3
67.5°	5138.5	5311.4	5470.4	5604.9	5735.8	5838.7	5926.4	6006.2	6010.5	5985.5	5919.7
69°	5184.2	5365.0	5537.9	5699.9	5829.6	5944.1	6033.0	6095.1	6108.5	6086.6	6025.7
70°	5099.5	5282.2	5470.4	5625.6	5772.4	5893.5	5989.1	6048.8	6067.1	6044.6	5987.3
72.5°	4578.9	4756.1	4896.8	5079.4	5288.3	5364.4	5511.8	5560.5	5605.5	5575.7	5541.6
75°	3587.0	3753.9	3899.4	3994.4	4090.0	4278.1	4313.4	4404.8	4435.8	4406.6	4444.4
77.5°	1868.7	1981.4	2030.1	1954.0	1965.5	2114.1	2030.1	2128.7	2185.3	2201.8	2225.5
80°	357.4	375.7	389.7	384.8	389.7	400.7	372.6	357.4	377.5	373.3	373.3
82.5°	105.3	103.5	103.5	109.0	108.4	110.8	110.8	106.6	109.6	109.6	110.2
85°	48.1	45.7	45.1	45.7	45.1	45.1	46.9	46.9	50.5	47.5	48.1
87.5°	6.1	5.5	6.1	6.1	4.9	4.9	5.5	6.1	6.1	5.5	5.5
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: P148939

CATALOG NUMBER: TLM-E02-LED-E1-RW-7030

**CANDELA DISTRIBUTION (continued):**

	95°	96°	97°	98°	99°	100°	105°	115°	125°	135°	145°
0°	1069.2	1069.2	1069.2	1069.2	1069.2	1069.2	1069.2	1069.2	1069.2	1069.2	1069.2
2.5°	1069.8	1069.2	1069.2	1069.2	1068.6	1068.0	1067.4	1065.6	1063.7	1063.1	1060.1
5°	1081.4	1082.0	1080.8	1079.6	1079.6	1079.6	1077.8	1072.9	1069.2	1067.4	1063.1
7.5°	1105.8	1104.5	1102.7	1102.1	1100.9	1101.5	1097.8	1091.8	1085.1	1080.8	1074.1
10°	1138.0	1136.8	1135.6	1134.4	1132.6	1132.6	1128.3	1119.2	1108.8	1101.5	1089.3
12.5°	1175.8	1174.6	1173.4	1172.7	1169.7	1169.1	1163.0	1152.0	1138.6	1124.6	1107.0
15°	1210.5	1208.7	1208.1	1206.2	1204.4	1203.8	1198.3	1183.7	1167.3	1151.4	1128.3
17.5°	1232.4	1231.2	1229.4	1228.2	1227.5	1226.9	1219.0	1206.8	1194.1	1178.2	1150.2
20°	1239.7	1240.3	1239.1	1237.9	1236.1	1234.8	1227.5	1216.0	1213.5	1205.0	1176.4
22.5°	1238.5	1238.5	1237.9	1235.5	1234.2	1231.2	1220.8	1215.4	1228.8	1232.4	1195.9
25°	1233.6	1233.0	1231.2	1229.4	1225.7	1221.5	1205.6	1208.7	1246.4	1253.1	1200.1
27.5°	1228.2	1227.5	1224.5	1220.2	1214.8	1208.7	1188.6	1208.7	1262.9	1257.4	1182.5
30°	1225.1	1222.7	1218.4	1212.3	1205.0	1198.3	1176.4	1224.5	1274.4	1242.8	1133.8
32.5°	1225.7	1221.5	1215.4	1207.4	1198.9	1191.0	1175.8	1252.5	1278.7	1207.4	1065.0
35°	1240.3	1233.6	1225.7	1217.8	1209.3	1202.0	1203.2	1291.5	1278.1	1154.5	998.6
37.5°	1293.3	1281.7	1276.3	1267.7	1255.6	1249.5	1273.8	1334.7	1269.6	1089.9	940.1
40°	1410.2	1400.5	1392.6	1370.6	1374.9	1370.0	1393.2	1393.8	1258.6	1035.7	891.4
42.5°	1580.7	1580.7	1563.7	1560.6	1549.0	1554.5	1564.9	1463.2	1247.6	1003.5	843.3
45°	1781.6	1796.9	1790.2	1788.3	1797.5	1808.4	1760.9	1545.4	1248.2	975.5	787.3
47.5°	2020.3	2033.1	2039.8	2050.8	2062.3	2055.6	1957.6	1631.9	1259.2	935.3	715.5
50°	2274.2	2305.3	2315.0	2329.0	2339.4	2341.2	2143.9	1720.8	1270.8	861.6	637.5
52.5°	2589.0	2618.3	2628.6	2638.4	2630.4	2623.8	2326.6	1826.1	1261.6	773.9	571.1
55°	2959.3	2964.7	2962.9	2950.7	2944.0	2907.5	2495.9	1938.1	1190.4	692.9	507.8
57.5°	3344.7	3347.1	3325.2	3282.6	3233.3	3198.6	2658.5	2030.7	1039.4	627.8	445.1
60°	3840.9	3791.0	3753.9	3688.7	3608.3	3534.1	2832.6	2082.4	895.1	565.1	374.5
62.5°	4440.1	4340.2	4259.9	4194.1	4075.4	3944.5	3054.9	2089.1	807.4	505.4	294.1
65°	5215.8	5110.5	4973.5	4860.9	4732.4	4555.8	3413.5	2041.0	764.2	436.0	214.9
67.5°	5826.6	5720.0	5566.6	5440.5	5274.9	5069.1	3710.6	1957.0	753.8	373.3	169.3
69°	5933.1	5816.8	5678.6	5520.9	5344.9	5125.1	3722.2	1859.6	738.0	349.5	155.3
70°	5894.2	5773.0	5639.6	5472.2	5274.9	5049.0	3634.5	1751.2	706.3	336.1	150.4
72.5°	5457.0	5272.5	5138.5	4995.4	4755.5	4526.6	3129.1	1325.0	549.8	283.1	140.7
75°	4368.9	4211.2	4060.1	3988.9	3789.8	3595.6	2349.1	841.5	359.3	176.0	110.2
77.5°	2227.4	2198.7	2242.0	2209.7	2066.0	2066.0	1449.8	446.9	211.3	105.9	84.0
80°	400.0	417.1	409.2	426.2	396.4	440.2	509.6	300.2	149.8	81.0	68.8
82.5°	112.0	113.3	112.0	112.6	116.3	122.4	264.9	258.2	115.7	60.9	53.6
85°	52.4	53.0	54.2	54.2	59.1	60.3	177.8	185.1	67.6	33.5	35.9
87.5°	6.1	7.9	7.9	7.3	8.5	8.5	32.9	37.1	9.1	6.7	11.0
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: P148939

CATALOG NUMBER: TLM-E02-LED-E1-RW-7030

**CANDELA DISTRIBUTION (continued):**

	155°	165°	175°	180°
0°	1069.2	1069.2	1069.2	1069.2
2.5°	1057.7	1055.2	1052.8	1054.6
5°	1061.3	1057.7	1054.6	1056.4
7.5°	1071.1	1065.0	1064.4	1064.4
10°	1083.2	1074.7	1072.3	1072.3
12.5°	1096.0	1084.5	1080.2	1080.2
15°	1109.4	1093.0	1086.9	1085.1
17.5°	1124.6	1101.5	1090.5	1090.5
20°	1139.3	1102.7	1086.3	1085.7
22.5°	1141.7	1088.7	1065.0	1063.7
25°	1123.4	1055.8	1024.8	1018.7
27.5°	1080.2	1004.7	971.8	970.6
30°	1015.0	937.7	904.2	900.6
32.5°	951.1	868.9	837.8	837.8
35°	886.6	806.2	766.0	761.7
37.5°	826.9	739.8	703.9	703.3
40°	772.1	682.0	647.3	641.8
42.5°	717.3	621.1	581.5	580.3
45°	652.1	554.7	520.6	517.6
47.5°	582.7	495.0	459.1	458.5
50°	520.0	439.6	403.7	403.7
52.5°	462.8	385.4	349.5	345.9
55°	398.2	323.9	287.4	283.1
57.5°	328.2	255.1	222.2	213.1
60°	253.9	185.7	152.2	147.4
62.5°	185.1	135.8	110.8	107.2
65°	139.4	115.7	95.0	91.3
67.5°	120.0	104.1	86.5	82.8
69°	111.4	98.6	82.8	79.2
70°	107.8	95.0	79.8	76.7
72.5°	99.3	87.1	73.1	71.9
75°	90.7	79.2	65.8	63.9
77.5°	87.7	68.8	56.6	55.4
80°	89.5	56.0	46.3	45.1
82.5°	73.1	45.1	35.9	34.1
85°	45.7	30.4	18.9	18.9
87.5°	11.6	9.7	5.5	5.5
90°	0.0	0.0	0.0	0.0

(END OF REPORT)