

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: P148938

Luminaire Tested: **TLM-E02-LED-E1-RW-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P148938
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-8030
Description: TALON MEDIUM LED SITE LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

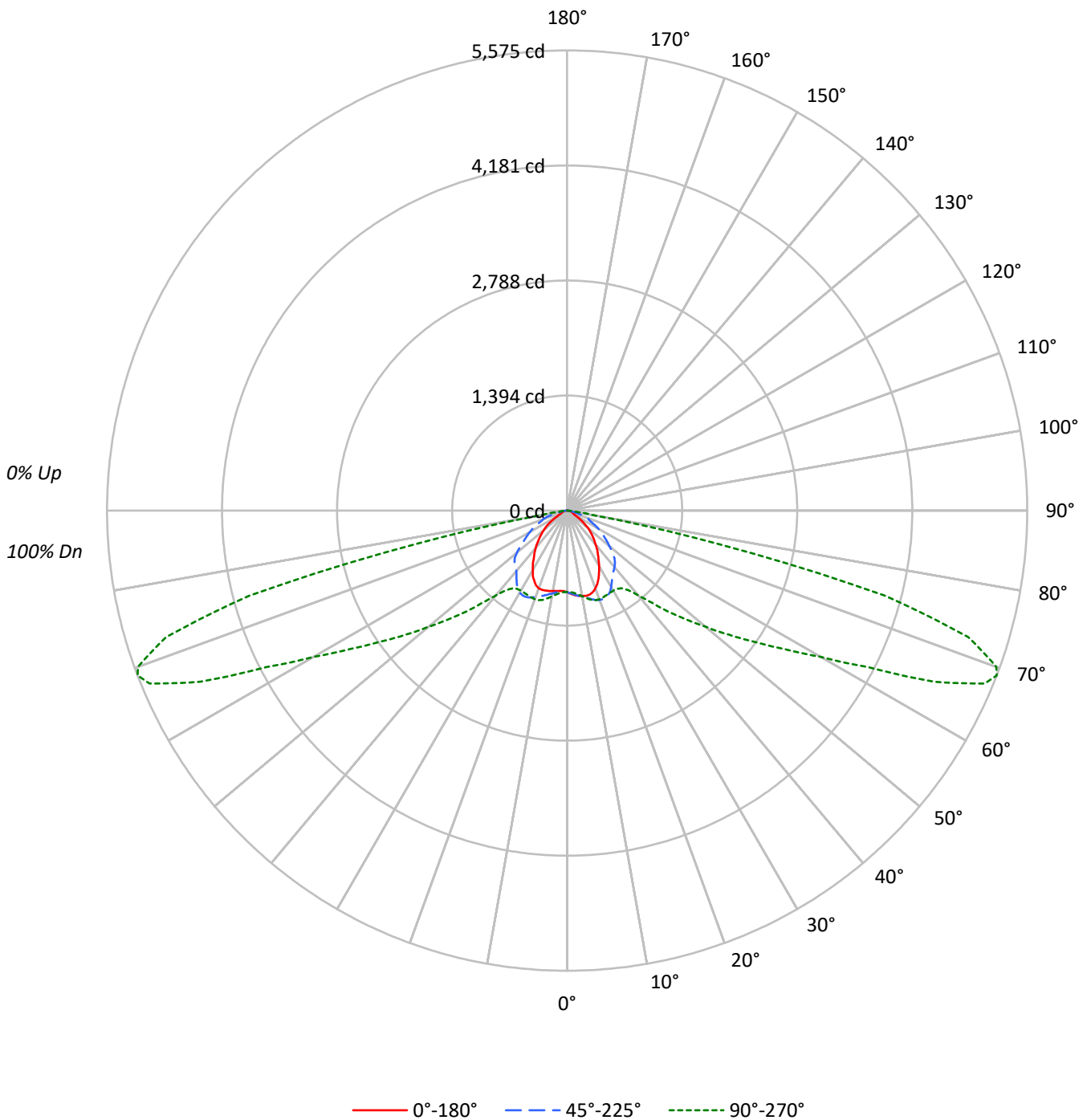
Lumens per Lamp: N/A
Luminaire Lumens: 5273.1 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 3.07 / 1.6
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
CIE Type: Direct

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-8030

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°	32227	32227	32227
5°	33659	32811	31963
10°	34814	34923	32816
15°	35606	37790	33860
20°	34746	39668	34822
25°	32420	40643	33877
30°	29182	42195	31344
35°	25922	45728	28029
40°	22857	56899	25250
45°	19983	79733	22063
50°	16817	111151	18928
55°	12124	157745	14877
60°	7228	230987	8885
65°	6514	378463	6514
70°	6657	527798	6762
75°	7095	502327	7448
80°	7194	64673	7814
85°	4641	16205	6512



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.9	1.8
10°-20°	305.7	5.8
20°-30°	495.3	9.4
30°-40°	617.3	11.7
40°-50°	771.4	14.6
50°-60°	952.5	18.1
60°-70°	1183.5	22.4
70°-80°	785.7	14.9
80°-90°	64.9	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°	898.0	17.0
0°-40°	1515.2	28.7
0°-60°	3239.1	61.4
0°-90°	5273.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5273.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	988	988	988	988	988	
5°	1028	1022	1002	986	976	99
15°	1054	1108	1119	1064	1003	295
25°	901	1147	1129	1158	941	412
35°	651	959	1148	1067	704	408
45°	433	807	1728	901	478	334
55°	213	546	2774	640	262	190
65°	84	317	4904	403	84	85
75°	56	125	3986	163	59	59
85°	12	24	43	31	17	16
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°	988.0	988.0	988.0	988.0	988.0	988.0	988.0	988.0	988.0	988.0	988.0
2.5°	1010.5	1013.9	1010.5	1010.5	1007.7	1004.9	1003.2	999.3	997.0	995.9	995.9
5°	1028.0	1027.4	1028.0	1028.0	1025.2	1021.8	1019.5	1016.2	1012.8	1012.2	1011.7
7.5°	1040.9	1040.4	1042.0	1045.4	1043.7	1040.9	1040.9	1037.5	1035.3	1035.3	1034.2
10°	1051.1	1051.6	1055.0	1060.1	1061.2	1060.6	1064.6	1063.4	1062.3	1063.4	1062.3
12.5°	1057.8	1058.4	1062.9	1072.4	1078.6	1082.6	1092.7	1093.2	1093.8	1093.8	1093.8
15°	1054.4	1054.4	1063.4	1081.4	1096.6	1108.4	1121.4	1123.6	1121.4	1123.1	1121.9
17.5°	1034.7	1035.9	1050.5	1078.1	1109.0	1134.9	1149.0	1145.0	1141.1	1141.1	1139.4
20°	1001.0	1003.2	1022.9	1061.7	1110.7	1151.8	1173.7	1160.8	1150.1	1148.4	1146.7
22.5°	959.3	957.6	981.3	1030.2	1097.8	1159.1	1188.9	1173.1	1154.0	1150.1	1147.3
25°	900.8	901.9	926.7	981.3	1065.1	1147.3	1193.4	1185.5	1163.0	1158.0	1151.8
27.5°	836.7	839.5	865.9	921.6	1014.5	1118.0	1188.3	1197.9	1180.5	1174.8	1169.2
30°	774.8	776.5	806.3	865.9	952.0	1066.2	1174.8	1211.4	1202.4	1197.9	1192.8
32.5°	709.0	714.6	740.5	808.0	902.5	1009.4	1154.0	1225.5	1228.9	1226.0	1223.2
35°	651.0	655.5	684.8	755.7	854.7	958.8	1128.7	1240.7	1263.7	1263.2	1262.6
37.5°	598.7	599.8	630.7	702.8	807.4	923.3	1102.3	1265.4	1306.5	1312.1	1318.9
40°	536.8	542.4	574.5	652.1	760.7	892.9	1079.7	1298.6	1366.1	1378.5	1388.1
42.5°	487.3	487.3	516.0	593.0	705.6	858.1	1071.9	1340.3	1437.0	1453.9	1470.8
45°	433.2	434.9	462.5	532.8	642.6	807.4	1070.7	1386.4	1516.4	1540.6	1561.4
47.5°	382.0	383.2	412.4	480.5	577.3	737.6	1056.7	1437.6	1599.6	1634.5	1657.6
50°	331.4	329.7	357.9	427.1	519.3	665.6	1011.7	1504.0	1703.2	1738.1	1764.5
52.5°	269.0	273.5	303.8	369.7	462.5	604.3	920.0	1569.3	1810.1	1849.5	1885.5
55°	213.2	212.7	247.0	306.7	401.2	546.3	811.4	1615.4	1914.2	1959.7	1999.7
57.5°	153.0	154.7	184.0	243.1	337.6	494.6	729.2	1607.5	1994.6	2048.6	2099.3
60°	110.8	114.2	136.2	179.5	269.5	434.9	671.8	1516.4	2049.8	2123.5	2184.8
62.5°	93.4	96.2	115.3	139.0	208.2	372.5	616.1	1370.1	2121.2	2218.6	2307.5
65°	84.4	86.6	105.8	119.3	159.8	316.8	581.2	1266.5	2215.2	2363.2	2484.7
67.5°	76.0	79.3	96.2	106.3	135.6	283.0	571.1	1250.8	2233.2	2429.0	2601.7
69°	72.0	75.4	90.6	99.6	127.7	272.3	552.0	1194.0	2115.6	2326.0	2519.6
70°	69.8	72.6	86.1	95.7	125.5	262.2	525.0	1110.7	1990.7	2202.8	2411.0
72.5°	64.1	65.8	77.1	86.6	115.3	201.4	397.8	802.4	1486.0	1695.9	1900.1
75°	56.3	58.0	68.1	77.6	89.5	124.9	241.4	476.0	912.1	1053.3	1258.1
77.5°	48.4	50.1	58.5	73.1	70.9	81.6	147.4	284.7	478.3	548.6	679.7
80°	38.3	40.5	49.0	70.3	59.1	64.7	108.0	210.4	290.9	320.2	354.5
82.5°	27.0	28.1	37.1	56.3	44.5	49.0	81.0	175.0	233.5	254.9	265.0
85°	12.4	12.9	21.9	33.2	26.4	23.6	43.3	112.0	154.7	160.9	169.9
87.5°	0.0	0.0	2.3	2.3	4.5	2.8	5.1	14.1	23.6	23.6	28.7
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):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	988.0	988.0	988.0	988.0	988.0	988.0	988.0	988.0	988.0	988.0	988.0
2.5°	996.5	995.9	996.5	996.5	997.0	994.8	994.2	993.7	993.1	993.7	992.5
5°	1011.7	1011.1	1011.1	1011.7	1011.1	1009.4	1008.9	1008.9	1007.2	1006.6	1006.6
7.5°	1034.7	1033.6	1031.9	1033.0	1033.6	1033.0	1033.6	1031.9	1031.9	1030.2	1030.8
10°	1063.4	1062.3	1061.7	1062.9	1063.4	1062.9	1063.4	1061.2	1060.6	1060.1	1058.9
12.5°	1094.9	1092.7	1094.4	1094.4	1094.9	1097.2	1094.4	1095.5	1093.2	1093.2	1092.7
15°	1122.5	1121.9	1123.1	1123.1	1122.5	1124.2	1123.6	1124.2	1121.4	1120.3	1123.1
17.5°	1140.0	1138.3	1138.8	1138.3	1138.3	1138.3	1139.4	1139.4	1137.7	1137.1	1138.3
20°	1144.5	1141.6	1141.1	1140.5	1139.4	1139.4	1140.0	1138.8	1137.7	1136.6	1137.7
22.5°	1143.3	1140.0	1136.6	1134.9	1133.2	1130.9	1130.4	1129.3	1127.6	1127.6	1128.1
25°	1147.3	1141.1	1136.0	1132.6	1128.1	1125.3	1123.1	1120.3	1117.4	1115.8	1116.3
27.5°	1160.8	1154.0	1147.3	1140.5	1133.8	1128.1	1123.6	1118.6	1114.1	1110.7	1109.0
30°	1186.1	1177.1	1169.2	1161.3	1152.9	1145.0	1137.7	1129.8	1121.4	1116.3	1111.8
32.5°	1215.3	1209.2	1204.1	1195.1	1186.1	1176.5	1167.5	1160.8	1148.4	1138.8	1130.9
35°	1259.8	1257.5	1254.7	1248.0	1237.9	1232.8	1225.5	1214.8	1200.2	1191.7	1179.9
37.5°	1321.1	1321.7	1319.4	1316.6	1317.8	1308.2	1303.7	1302.6	1287.9	1282.3	1264.9
40°	1396.5	1405.0	1412.3	1412.3	1417.9	1418.5	1417.3	1426.9	1416.2	1418.5	1399.9
42.5°	1480.4	1500.6	1511.9	1520.3	1538.9	1547.3	1561.4	1582.2	1583.3	1594.0	1595.1
45°	1579.4	1601.9	1623.3	1645.2	1670.0	1699.2	1728.5	1749.9	1783.6	1790.9	1815.1
47.5°	1682.4	1715.0	1739.7	1767.9	1810.1	1847.8	1891.1	1935.0	1973.8	2001.4	2017.1
50°	1796.0	1829.2	1865.2	1896.7	1941.7	1994.6	2054.8	2115.0	2165.1	2214.1	2253.5
52.5°	1922.0	1958.6	1992.4	2033.5	2079.0	2142.0	2207.9	2290.6	2357.5	2424.5	2472.9
55°	2043.0	2084.1	2115.0	2167.4	2214.6	2279.3	2360.9	2458.8	2551.7	2632.7	2698.5
57.5°	2148.2	2188.7	2232.1	2277.1	2334.5	2399.2	2499.3	2610.7	2716.5	2822.9	2920.2
60°	2246.7	2301.3	2348.5	2408.2	2465.6	2540.4	2659.7	2797.5	2942.2	3074.4	3171.7
62.5°	2395.2	2465.0	2520.7	2594.4	2674.3	2762.7	2894.3	3046.2	3234.7	3405.2	3556.6
65°	2602.9	2709.8	2799.8	2890.4	2987.7	3109.3	3251.6	3444.6	3652.8	3904.9	4104.6
67.5°	2750.8	2884.8	3001.2	3114.9	3226.9	3361.3	3537.4	3763.6	4033.2	4298.2	4551.9
69°	2691.2	2833.0	2962.4	3075.5	3193.7	3328.1	3499.7	3747.9	4022.5	4313.9	4565.4
70°	2565.7	2718.8	2857.2	2965.2	3086.2	3219.5	3409.2	3646.0	3926.2	4227.8	4474.3
72.5°	2063.3	2224.8	2361.5	2481.3	2607.9	2764.4	2933.1	3160.5	3471.1	3766.5	3985.9
75°	1421.3	1572.1	1726.8	1816.3	1961.4	2072.8	2233.2	2466.1	2725.5	2942.7	3145.8
77.5°	804.0	885.1	1002.1	1038.7	1142.8	1217.0	1302.0	1445.5	1580.5	1706.5	1743.1
80°	365.7	341.5	353.4	335.3	355.0	342.7	328.6	336.5	334.8	360.1	336.5
82.5°	263.3	227.3	189.1	163.2	143.5	121.5	103.5	92.8	91.7	96.2	94.5
85°	168.2	153.6	120.4	96.8	74.3	57.4	47.8	43.3	43.3	46.1	45.6
87.5°	29.3	25.3	15.8	13.5	11.8	7.9	5.1	5.1	4.5	5.6	7.3
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):

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	988.0	988.0	988.0	988.0	988.0	988.0	988.0	988.0	988.0	988.0	988.0
2.5°	992.5	992.0	990.8	990.3	990.3	989.2	988.6	989.7	990.3	990.8	989.2
5°	1006.6	1004.9	1004.3	1004.9	1002.1	1002.7	1002.1	1002.7	1002.7	1002.7	1001.5
7.5°	1029.1	1027.4	1028.5	1027.4	1025.7	1025.2	1025.2	1023.5	1021.2	1020.7	1021.2
10°	1060.1	1057.8	1058.4	1058.9	1057.2	1056.1	1054.4	1052.2	1052.2	1051.6	1050.5
12.5°	1093.2	1092.1	1092.1	1092.7	1092.1	1089.9	1087.6	1086.5	1085.9	1085.9	1085.9
15°	1121.9	1121.4	1121.9	1121.4	1121.4	1120.3	1119.1	1117.4	1116.9	1117.4	1118.0
17.5°	1138.3	1136.6	1138.3	1138.8	1138.3	1138.3	1138.3	1137.1	1136.6	1136.6	1137.1
20°	1139.4	1138.3	1139.4	1141.1	1141.1	1141.6	1142.8	1143.3	1142.8	1143.9	1144.5
22.5°	1128.1	1128.1	1129.8	1131.5	1134.3	1135.4	1137.7	1138.8	1140.0	1141.6	1142.8
25°	1116.9	1116.3	1118.0	1121.4	1123.6	1126.4	1129.3	1131.5	1133.8	1136.0	1138.3
27.5°	1109.0	1108.4	1109.6	1112.4	1115.2	1118.6	1123.1	1126.4	1129.3	1132.1	1133.8
30°	1109.6	1107.3	1106.8	1109.0	1111.8	1115.8	1120.3	1124.2	1128.1	1130.4	1132.1
32.5°	1125.9	1120.3	1118.0	1117.4	1118.6	1121.4	1124.8	1128.7	1131.5	1133.8	1134.3
35°	1168.1	1157.4	1155.1	1147.8	1149.0	1148.4	1148.4	1150.6	1152.9	1152.9	1149.0
37.5°	1253.6	1238.4	1227.7	1220.4	1213.1	1212.5	1211.4	1210.3	1204.7	1201.3	1200.7
40°	1387.0	1380.8	1360.5	1354.9	1342.5	1334.1	1336.3	1331.8	1318.3	1313.2	1311.0
42.5°	1581.6	1585.0	1573.8	1547.3	1536.6	1520.3	1506.8	1504.6	1492.2	1482.0	1474.2
45°	1810.1	1816.3	1807.8	1788.7	1769.6	1744.8	1728.5	1697.0	1684.6	1668.9	1658.2
47.5°	2044.7	2061.6	2048.1	2031.2	2020.5	1981.7	1947.9	1911.4	1892.8	1870.3	1860.2
50°	2277.7	2307.5	2299.6	2283.8	2272.0	2223.1	2190.4	2139.8	2129.1	2106.6	2094.2
52.5°	2510.6	2539.9	2557.3	2542.7	2534.2	2494.8	2472.3	2431.8	2401.4	2387.4	2386.8
55°	2745.8	2793.0	2820.6	2815.6	2801.5	2796.4	2773.9	2770.0	2746.3	2731.2	2710.9
57.5°	2975.9	3026.0	3073.8	3101.9	3113.8	3109.8	3120.5	3119.4	3122.8	3121.1	3087.9
60°	3268.5	3347.8	3417.6	3462.1	3504.3	3533.5	3540.8	3584.1	3571.8	3598.8	3547.0
62.5°	3681.5	3784.5	3890.2	3936.9	3988.7	4083.8	4106.3	4157.5	4165.4	4172.1	4144.6
65°	4257.1	4392.1	4551.9	4623.4	4704.4	4826.5	4903.6	4958.2	4956.5	4919.3	4883.9
67.5°	4748.3	4908.1	5054.9	5179.3	5300.3	5395.4	5476.4	5550.1	5554.0	5531.0	5470.2
69°	4790.5	4957.6	5117.4	5267.1	5386.9	5492.7	5574.8	5632.2	5644.6	5624.4	5568.1
70°	4712.3	4881.1	5054.9	5198.4	5334.0	5446.0	5534.3	5589.5	5606.4	5585.5	5532.6
72.5°	4231.2	4394.9	4524.9	4693.7	4886.7	4957.0	5093.2	5138.2	5179.9	5152.3	5120.8
75°	3314.6	3468.8	3603.3	3691.1	3779.4	3953.3	3985.9	4070.3	4099.0	4072.0	4106.9
77.5°	1726.8	1830.9	1875.9	1805.6	1816.3	1953.6	1875.9	1967.1	2019.4	2034.6	2056.5
80°	330.3	347.2	360.1	355.6	360.1	370.2	344.3	330.3	348.8	344.9	344.9
82.5°	97.3	95.7	95.7	100.7	100.2	102.4	102.4	98.5	101.3	101.3	101.8
85°	44.5	42.2	41.6	42.2	41.6	41.6	43.3	43.3	46.7	43.9	44.5
87.5°	5.6	5.1	5.6	5.6	4.5	4.5	5.1	5.6	5.6	5.1	5.1
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: P148938

CATALOG NUMBER: TLM-E02-LED-E1-RW-8030

CANDELA DISTRIBUTION (continued):

	95°	96°	97°	98°	99°	100°	105°	115°	125°	135°	145°
0°	988.0	988.0	988.0	988.0	988.0	988.0	988.0	988.0	988.0	988.0	988.0
2.5°	988.6	988.0	988.0	988.0	987.5	986.9	986.3	984.7	983.0	982.4	979.6
5°	999.3	999.8	998.7	997.6	997.6	997.6	995.9	991.4	988.0	986.3	982.4
7.5°	1021.8	1020.7	1019.0	1018.4	1017.3	1017.9	1014.5	1008.9	1002.7	998.7	992.5
10°	1051.6	1050.5	1049.4	1048.2	1046.5	1046.5	1042.6	1034.2	1024.6	1017.9	1006.6
12.5°	1086.5	1085.4	1084.2	1083.7	1080.9	1080.3	1074.7	1064.6	1052.2	1039.2	1022.9
15°	1118.6	1116.9	1116.3	1114.6	1112.9	1112.4	1107.3	1093.8	1078.6	1064.0	1042.6
17.5°	1138.8	1137.7	1136.0	1134.9	1134.3	1133.8	1126.4	1115.2	1103.4	1088.7	1062.9
20°	1145.6	1146.1	1145.0	1143.9	1142.2	1141.1	1134.3	1123.6	1121.4	1113.5	1087.1
22.5°	1144.5	1144.5	1143.9	1141.6	1140.5	1137.7	1128.1	1123.1	1135.4	1138.8	1105.1
25°	1140.0	1139.4	1137.7	1136.0	1132.6	1128.7	1114.1	1116.9	1151.8	1158.0	1109.0
27.5°	1134.9	1134.3	1131.5	1127.6	1122.5	1116.9	1098.3	1116.9	1167.0	1161.9	1092.7
30°	1132.1	1129.8	1125.9	1120.3	1113.5	1107.3	1087.1	1131.5	1177.6	1148.4	1047.7
32.5°	1132.6	1128.7	1123.1	1115.8	1107.9	1100.6	1086.5	1157.4	1181.6	1115.8	984.1
35°	1146.1	1140.0	1132.6	1125.3	1117.4	1110.7	1111.8	1193.4	1181.0	1066.8	922.8
37.5°	1195.1	1184.4	1179.3	1171.5	1160.2	1154.6	1177.1	1233.4	1173.1	1007.2	868.7
40°	1303.1	1294.1	1286.8	1266.5	1270.5	1266.0	1287.4	1287.9	1163.0	957.1	823.7
42.5°	1460.7	1460.7	1444.9	1442.1	1431.4	1436.5	1446.0	1352.1	1152.9	927.3	779.3
45°	1646.3	1660.4	1654.2	1652.5	1661.0	1671.1	1627.2	1428.0	1153.5	901.4	727.5
47.5°	1866.9	1878.7	1884.9	1895.0	1905.7	1899.5	1809.0	1507.9	1163.6	864.2	661.1
50°	2101.5	2130.2	2139.2	2152.2	2161.7	2163.4	1981.1	1590.1	1174.3	796.2	589.1
52.5°	2392.4	2419.4	2429.0	2438.0	2430.7	2424.5	2149.9	1687.4	1165.8	715.1	527.8
55°	2734.5	2739.6	2737.9	2726.7	2720.5	2686.7	2306.3	1790.9	1100.0	640.3	469.3
57.5°	3090.7	3092.9	3072.7	3033.3	2987.7	2955.7	2456.6	1876.5	960.5	580.1	411.3
60°	3549.3	3503.1	3468.8	3408.6	3334.3	3265.7	2617.5	1924.3	827.1	522.1	346.0
62.5°	4102.9	4010.6	3936.4	3875.6	3765.9	3644.9	2822.9	1930.5	746.1	467.0	271.8
65°	4819.8	4722.4	4595.8	4491.7	4373.0	4209.8	3154.3	1886.0	706.1	402.9	198.6
67.5°	5384.1	5285.6	5143.8	5027.4	4874.3	4684.1	3428.9	1808.4	696.6	344.9	156.4
69°	5482.6	5375.1	5247.4	5101.6	4939.0	4735.9	3439.5	1718.4	681.9	323.0	143.5
70°	5446.6	5334.6	5211.4	5056.6	4874.3	4665.6	3358.5	1618.2	652.7	310.6	139.0
72.5°	5042.6	4872.1	4748.3	4616.1	4394.4	4182.8	2891.5	1224.3	508.1	261.6	130.0
75°	4037.1	3891.4	3751.8	3686.0	3502.0	3322.5	2170.7	777.6	332.0	162.6	101.8
77.5°	2058.2	2031.8	2071.7	2041.9	1909.1	1909.1	1339.7	413.0	195.2	97.9	77.6
80°	369.7	385.4	378.1	393.9	366.3	406.8	470.9	277.4	138.4	74.8	63.6
82.5°	103.5	104.7	103.5	104.1	107.5	113.1	244.8	238.6	106.9	56.3	49.5
85°	48.4	49.0	50.1	50.1	54.6	55.7	164.3	171.0	62.5	30.9	33.2
87.5°	5.6	7.3	7.3	6.8	7.9	7.9	30.4	34.3	8.4	6.2	10.1
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: P148938

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CANDELA DISTRIBUTION (continued):

	155°	165°	175°	180°
0°	988.0	988.0	988.0	988.0
2.5°	977.3	975.1	972.8	974.5
5°	980.7	977.3	974.5	976.2
7.5°	989.7	984.1	983.5	983.5
10°	1001.0	993.1	990.8	990.8
12.5°	1012.8	1002.1	998.2	998.2
15°	1025.2	1010.0	1004.3	1002.7
17.5°	1039.2	1017.9	1007.7	1007.7
20°	1052.7	1019.0	1003.8	1003.2
22.5°	1055.0	1006.0	984.1	983.0
25°	1038.1	975.7	947.0	941.3
27.5°	998.2	928.4	898.0	896.9
30°	938.0	866.5	835.6	832.2
32.5°	878.9	802.9	774.2	774.2
35°	819.2	745.0	707.8	703.9
37.5°	764.1	683.6	650.4	649.9
40°	713.5	630.2	598.1	593.0
42.5°	662.8	573.9	537.3	536.2
45°	602.6	512.6	481.1	478.3
47.5°	538.5	457.4	424.2	423.7
50°	480.5	406.2	373.0	373.0
52.5°	427.6	356.2	323.0	319.6
55°	368.0	299.3	265.6	261.6
57.5°	303.3	235.8	205.4	196.9
60°	234.6	171.6	140.7	136.2
62.5°	171.0	125.5	102.4	99.0
65°	128.8	106.9	87.8	84.4
67.5°	110.8	96.2	79.9	76.5
69°	103.0	91.2	76.5	73.1
70°	99.6	87.8	73.7	70.9
72.5°	91.7	80.5	67.5	66.4
75°	83.8	73.1	60.8	59.1
77.5°	81.0	63.6	52.3	51.2
80°	82.7	51.8	42.8	41.6
82.5°	67.5	41.6	33.2	31.5
85°	42.2	28.1	17.4	17.4
87.5°	10.7	9.0	5.1	5.1
90°	0.0	0.0	0.0	0.0

(END OF REPORT)