

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: P148953

Luminaire Tested: **TLM-F03-LED-E1-RW-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P148953
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-F03-LED-E1-RW-8030
Description: TALON MEDIUM LED SITE LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

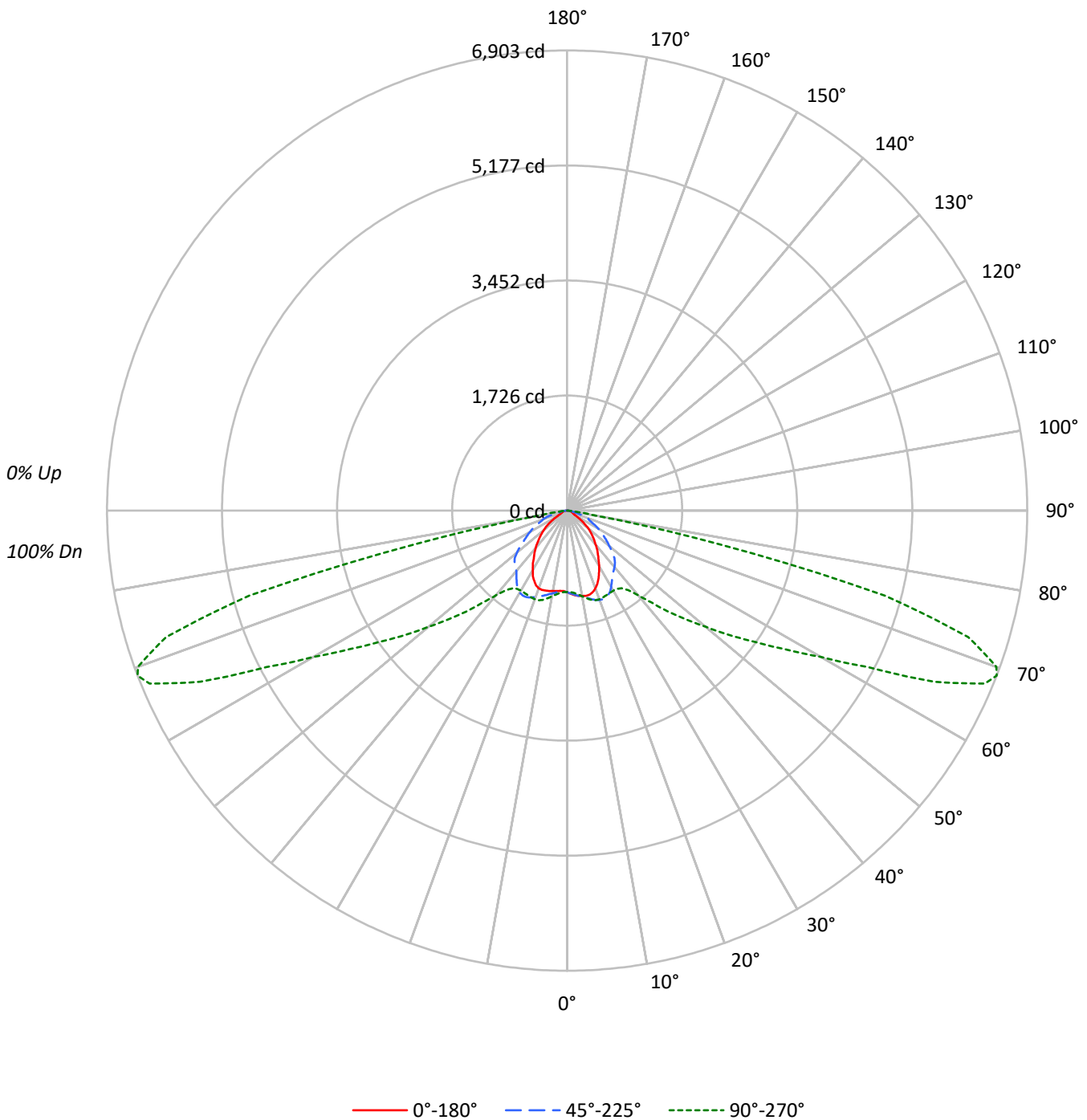
Lumens per Lamp: N/A
Luminaire Lumens: 6529.7 lumens
Efficiency: N/A
Efficacy: 83.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 3.07 / 1.6
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
CIE Type: Direct

Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (A_{in}): 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: P148953
CATALOG NUMBER: TLM-F03-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	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	100	100	100	100		
	1	106	101	95	91	104	98	93	89	94	90	86	90	87	84	86	84	81	79	79	79	79	79	79		
	2	94	84	76	69	91	82	75	68	79	72	66	75	70	65	72	67	63	61	61	61	61	61	61		
	3	84	72	62	54	81	70	61	54	67	59	52	64	57	51	61	55	51	48	48	48	48	48	48		
	4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	47	41	39	39	39	39	39	39		
	5	69	54	44	36	67	53	43	36	51	42	35	49	41	35	47	40	35	32	32	32	32	32	32		
	6	63	48	38	31	61	47	37	30	45	36	30	43	36	30	42	35	29	27	27	27	27	27	27		
	7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	38	31	25	23	23	23	23	23	23		
	8	54	39	29	23	52	38	29	23	37	29	23	35	28	23	34	27	22	20	20	20	20	20	20		
	9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18	18	18	18	18	18		
	10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16	16	16	16	16	16		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	26339	26339	26339
5°	27507	26816	26122
10°	28451	28543	26822
15°	29100	30886	27672
20°	28396	32419	28460
25°	26497	33214	27687
30°	23849	34483	25616
35°	21185	37371	22906
40°	18680	46501	20639
45°	16334	65164	18029
50°	13745	90842	15470
55°	9912	128921	12161
60°	5912	188782	7259
65°	5323	309308	5323
70°	5438	431356	5526
75°	5797	410537	6089
80°	5876	52862	6397
85°	3779	13239	5335



TEST NUMBER: P148953

CATALOG NUMBER: TLM-F03-LED-E1-RW-8030

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.0	1.8
10°-20°	378.6	5.8
20°-30°	613.3	9.4
30°-40°	764.4	11.7
40°-50°	955.2	14.6
50°-60°	1179.4	18.1
60°-70°	1465.5	22.4
70°-80°	972.9	14.9
80°-90°	80.3	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°	1111.9	17.0
0°-40°	1876.3	28.7
0°-60°	4010.9	61.4
0°-90°	6529.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6529.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1224	1224	1224	1224	1224	
5°	1273	1265	1241	1221	1209	122
15°	1306	1373	1386	1318	1242	365
25°	1116	1421	1398	1434	1166	510
35°	806	1187	1422	1321	872	505
45°	536	1000	2140	1116	592	414
55°	264	676	3435	793	324	235
65°	104	392	6072	499	104	105
75°	70	155	4936	201	73	73
85°	15	29	54	38	22	20
90°	0	0	0	0	0	



TEST NUMBER: P148953

CATALOG NUMBER: TLM-F03-LED-E1-RW-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	1223.5	1223.5	1223.5	1223.5	1223.5	1223.5	1223.5	1223.5	1223.5	1223.5	1223.5
2.5°	1251.3	1255.5	1251.3	1251.3	1247.9	1244.4	1242.3	1237.4	1234.6	1233.2	1233.2
5°	1272.9	1272.2	1272.9	1272.9	1269.5	1265.3	1262.5	1258.3	1254.1	1253.4	1252.7
7.5°	1289.0	1288.3	1290.4	1294.5	1292.4	1289.0	1289.0	1284.8	1282.0	1282.0	1280.6
10°	1301.5	1302.2	1306.4	1312.6	1314.0	1313.3	1318.2	1316.8	1315.4	1316.8	1315.4
12.5°	1309.9	1310.6	1316.1	1328.0	1335.6	1340.5	1353.1	1353.8	1354.5	1354.5	1354.5
15°	1305.7	1305.7	1316.8	1339.1	1357.9	1372.6	1388.6	1391.4	1388.6	1390.7	1389.3
17.5°	1281.3	1282.7	1300.8	1334.9	1373.3	1405.3	1422.7	1417.9	1413.0	1413.0	1410.9
20°	1239.5	1242.3	1266.7	1314.7	1375.4	1426.2	1453.4	1437.4	1424.1	1422.0	1419.9
22.5°	1187.9	1185.8	1215.1	1275.7	1359.3	1435.3	1472.2	1452.7	1429.0	1424.1	1420.6
25°	1115.5	1116.9	1147.5	1215.1	1318.9	1420.6	1477.8	1468.0	1440.2	1433.9	1426.2
27.5°	1036.0	1039.5	1072.3	1141.3	1256.2	1384.4	1471.5	1483.3	1461.8	1454.8	1447.8
30°	959.4	961.5	998.4	1072.3	1178.9	1320.3	1454.8	1500.1	1488.9	1483.3	1477.1
32.5°	877.9	884.9	916.9	1000.5	1117.6	1249.9	1429.0	1517.5	1521.7	1518.2	1514.7
35°	806.1	811.7	847.9	935.7	1058.3	1187.2	1397.7	1536.3	1564.9	1564.2	1563.5
37.5°	741.3	742.7	781.0	870.2	999.8	1143.3	1364.9	1567.0	1617.8	1624.8	1633.1
40°	664.7	671.7	711.4	807.5	942.0	1105.7	1337.0	1608.1	1691.7	1707.0	1718.8
42.5°	603.4	603.4	638.9	734.4	873.7	1062.5	1327.3	1659.6	1779.5	1800.4	1821.3
45°	536.5	538.6	572.7	659.8	795.7	999.8	1325.9	1716.8	1877.7	1907.7	1933.4
47.5°	473.1	474.5	510.7	595.0	714.9	913.4	1308.5	1780.2	1980.8	2024.0	2052.6
50°	410.4	408.3	443.1	528.8	643.1	824.2	1252.7	1862.4	2109.0	2152.2	2185.0
52.5°	333.0	338.6	376.2	457.8	572.7	748.3	1139.2	1943.2	2241.4	2290.2	2334.8
55°	264.1	263.4	305.9	379.7	496.8	676.5	1004.7	2000.3	2370.3	2426.7	2476.2
57.5°	189.5	191.6	227.8	301.0	418.0	612.4	903.0	1990.6	2469.9	2536.8	2599.5
60°	137.3	141.4	168.6	222.3	333.7	538.6	831.9	1877.7	2538.2	2629.5	2705.4
62.5°	115.7	119.1	142.8	172.1	257.8	461.2	762.9	1696.6	2626.7	2747.2	2857.3
65°	104.5	107.3	131.0	147.7	197.9	392.3	719.7	1568.4	2743.0	2926.3	3076.8
67.5°	94.1	98.2	119.1	131.7	167.9	350.5	707.2	1548.8	2765.3	3007.8	3221.7
69°	89.2	93.4	112.2	123.3	158.2	337.2	683.5	1478.5	2619.7	2880.3	3120.0
70°	86.4	89.9	106.6	118.4	155.4	324.7	650.1	1375.4	2465.1	2727.7	2985.5
72.5°	79.4	81.5	95.5	107.3	142.8	249.4	492.6	993.5	1840.1	2100.0	2352.9
75°	69.7	71.8	84.3	96.1	110.8	154.7	298.9	589.4	1129.4	1304.3	1557.9
77.5°	59.9	62.0	72.5	90.6	87.8	101.0	182.5	352.5	592.2	679.3	841.7
80°	47.4	50.2	60.6	87.1	73.2	80.1	133.8	260.6	360.2	396.4	438.9
82.5°	33.4	34.8	46.0	69.7	55.0	60.6	100.3	216.7	289.1	315.6	328.2
85°	15.3	16.0	27.2	41.1	32.7	29.3	53.6	138.7	191.6	199.3	210.4
87.5°	0.0	0.0	2.8	2.8	5.6	3.5	6.3	17.4	29.3	29.3	35.5
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: P148953

CATALOG NUMBER: TLM-F03-LED-E1-RW-8030

CANDELA DISTRIBUTION (continued):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	1223.5	1223.5	1223.5	1223.5	1223.5	1223.5	1223.5	1223.5	1223.5	1223.5	1223.5
2.5°	1233.9	1233.2	1233.9	1233.9	1234.6	1231.8	1231.1	1230.4	1229.7	1230.4	1229.0
5°	1252.7	1252.0	1252.0	1252.7	1252.0	1249.9	1249.2	1249.2	1247.2	1246.5	1246.5
7.5°	1281.3	1279.9	1277.8	1279.2	1279.9	1279.2	1279.9	1277.8	1277.8	1275.7	1276.4
10°	1316.8	1315.4	1314.7	1316.1	1316.8	1316.1	1316.8	1314.0	1313.3	1312.6	1311.3
12.5°	1355.8	1353.1	1355.2	1355.2	1355.8	1358.6	1355.2	1356.5	1353.8	1353.8	1353.1
15°	1390.0	1389.3	1390.7	1390.7	1390.0	1392.1	1391.4	1392.1	1388.6	1387.2	1390.7
17.5°	1411.6	1409.5	1410.2	1409.5	1409.5	1409.5	1410.9	1410.9	1408.8	1408.1	1409.5
20°	1417.2	1413.7	1413.0	1412.3	1410.9	1410.9	1411.6	1410.2	1408.8	1407.4	1408.8
22.5°	1415.8	1411.6	1407.4	1405.3	1403.2	1400.4	1399.7	1398.3	1396.3	1396.3	1397.0
25°	1420.6	1413.0	1406.7	1402.5	1397.0	1393.5	1390.7	1387.2	1383.7	1381.6	1382.3
27.5°	1437.4	1429.0	1420.6	1412.3	1403.9	1397.0	1391.4	1385.1	1379.5	1375.4	1373.3
30°	1468.7	1457.6	1447.8	1438.1	1427.6	1417.9	1408.8	1399.0	1388.6	1382.3	1376.7
32.5°	1504.9	1497.3	1491.0	1479.9	1468.7	1456.9	1445.7	1437.4	1422.0	1410.2	1400.4
35°	1560.0	1557.2	1553.7	1545.4	1532.8	1526.5	1517.5	1504.3	1486.1	1475.7	1461.1
37.5°	1635.9	1636.6	1633.8	1630.4	1631.8	1619.9	1614.3	1612.9	1594.8	1587.9	1566.3
40°	1729.3	1739.7	1748.8	1748.8	1755.8	1756.5	1755.1	1766.9	1753.7	1756.5	1733.5
42.5°	1833.1	1858.2	1872.1	1882.6	1905.6	1916.0	1933.4	1959.2	1960.6	1973.9	1975.2
45°	1955.7	1983.6	2010.1	2037.3	2067.9	2104.1	2140.4	2166.8	2208.7	2217.7	2247.7
47.5°	2083.2	2123.6	2154.3	2189.1	2241.4	2288.1	2341.7	2396.1	2444.1	2478.3	2497.8
50°	2224.0	2265.1	2309.7	2348.7	2404.4	2469.9	2544.5	2619.0	2681.0	2741.7	2790.4
52.5°	2380.0	2425.3	2467.1	2518.0	2574.4	2652.5	2734.0	2836.4	2919.3	3002.2	3062.2
55°	2529.8	2580.7	2619.0	2683.8	2742.4	2822.5	2923.5	3044.7	3159.7	3260.0	3341.5
57.5°	2660.1	2710.3	2763.9	2819.7	2890.8	2970.9	3094.9	3232.9	3363.8	3495.5	3616.1
60°	2782.1	2849.6	2908.2	2982.0	3053.1	3145.8	3293.5	3464.2	3643.2	3807.0	3927.5
62.5°	2966.0	3052.4	3121.4	3212.6	3311.6	3421.0	3584.0	3772.1	4005.5	4216.6	4404.1
65°	3223.1	3355.5	3467.0	3579.1	3699.7	3850.2	4026.4	4265.4	4523.2	4835.3	5082.7
67.5°	3406.3	3572.2	3716.4	3857.1	3995.8	4162.3	4380.4	4660.5	4994.2	5322.4	5636.6
69°	3332.5	3508.1	3668.3	3808.4	3954.7	4121.2	4333.7	4641.0	4981.0	5341.9	5653.3
70°	3177.1	3366.6	3538.0	3671.8	3821.6	3986.7	4221.5	4514.8	4861.8	5235.3	5540.4
72.5°	2554.9	2754.9	2924.2	3072.6	3229.4	3423.1	3632.1	3913.6	4298.2	4663.9	4935.7
75°	1760.0	1946.7	2138.3	2249.1	2428.8	2566.8	2765.3	3053.8	3375.0	3643.9	3895.4
77.5°	995.6	1096.0	1240.9	1286.2	1415.1	1507.0	1612.2	1789.9	1957.1	2113.2	2158.5
80°	452.9	422.9	437.5	415.3	439.6	424.3	406.9	416.6	414.6	445.9	416.6
82.5°	326.1	281.5	234.1	202.1	177.7	150.5	128.2	115.0	113.6	119.1	117.1
85°	208.3	190.2	149.1	119.8	92.0	71.1	59.2	53.6	53.6	57.1	56.4
87.5°	36.2	31.4	19.5	16.7	14.6	9.8	6.3	6.3	5.6	7.0	9.1
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: P148953

CATALOG NUMBER: TLM-F03-LED-E1-RW-8030

CANDELA DISTRIBUTION (continued):

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	1223.5	1223.5	1223.5	1223.5	1223.5	1223.5	1223.5	1223.5	1223.5	1223.5	1223.5
2.5°	1229.0	1228.3	1227.0	1226.3	1226.3	1224.9	1224.2	1225.6	1226.3	1227.0	1224.9
5°	1246.5	1244.4	1243.7	1244.4	1240.9	1241.6	1240.9	1241.6	1241.6	1241.6	1240.2
7.5°	1274.3	1272.2	1273.6	1272.2	1270.1	1269.5	1269.5	1267.4	1264.6	1263.9	1264.6
10°	1312.6	1309.9	1310.6	1311.3	1309.2	1307.8	1305.7	1302.9	1302.9	1302.2	1300.8
12.5°	1353.8	1352.4	1352.4	1353.1	1352.4	1349.6	1346.8	1345.4	1344.7	1344.7	1344.7
15°	1389.3	1388.6	1389.3	1388.6	1388.6	1387.2	1385.8	1383.7	1383.0	1383.7	1384.4
17.5°	1409.5	1407.4	1409.5	1410.2	1409.5	1409.5	1409.5	1408.1	1407.4	1407.4	1408.1
20°	1410.9	1409.5	1410.9	1413.0	1413.0	1413.7	1415.1	1415.8	1415.1	1416.5	1417.2
22.5°	1397.0	1397.0	1399.0	1401.1	1404.6	1406.0	1408.8	1410.2	1411.6	1413.7	1415.1
25°	1383.0	1382.3	1384.4	1388.6	1391.4	1394.9	1398.3	1401.1	1403.9	1406.7	1409.5
27.5°	1373.3	1372.6	1374.0	1377.4	1380.9	1385.1	1390.7	1394.9	1398.3	1401.8	1403.9
30°	1374.0	1371.2	1370.5	1373.3	1376.7	1381.6	1387.2	1392.1	1397.0	1399.7	1401.8
32.5°	1394.2	1387.2	1384.4	1383.7	1385.1	1388.6	1392.8	1397.7	1401.1	1403.9	1404.6
35°	1446.4	1433.2	1430.4	1421.3	1422.7	1422.0	1422.0	1424.8	1427.6	1427.6	1422.7
37.5°	1552.3	1533.5	1520.3	1511.2	1502.2	1501.5	1500.1	1498.7	1491.7	1487.5	1486.8
40°	1717.5	1709.8	1684.7	1677.7	1662.4	1652.0	1654.7	1649.2	1632.5	1626.2	1623.4
42.5°	1958.5	1962.7	1948.8	1916.0	1902.8	1882.6	1865.9	1863.1	1847.7	1835.2	1825.4
45°	2241.4	2249.1	2238.6	2214.9	2191.2	2160.6	2140.4	2101.4	2086.0	2066.5	2053.3
47.5°	2531.9	2552.8	2536.1	2515.2	2502.0	2453.9	2412.1	2366.8	2343.8	2315.9	2303.4
50°	2820.4	2857.3	2847.6	2828.0	2813.4	2752.8	2712.4	2649.7	2636.4	2608.6	2593.2
52.5°	3108.8	3145.1	3166.7	3148.5	3138.1	3089.3	3061.5	3011.3	2973.7	2956.2	2955.6
55°	3400.1	3458.6	3492.7	3486.5	3469.0	3462.8	3434.9	3430.0	3400.8	3382.0	3356.9
57.5°	3685.0	3747.0	3806.3	3841.1	3855.7	3850.9	3864.1	3862.7	3866.9	3864.8	3823.7
60°	4047.3	4145.6	4232.0	4287.0	4339.3	4375.5	4384.6	4438.2	4422.9	4456.3	4392.2
62.5°	4558.7	4686.2	4817.2	4875.1	4939.2	5056.9	5084.8	5148.2	5157.9	5166.3	5132.2
65°	5271.5	5438.7	5636.6	5725.1	5825.4	5976.6	6072.1	6139.6	6137.5	6091.6	6047.7
67.5°	5879.8	6077.6	6259.5	6413.5	6563.2	6681.0	6781.3	6872.6	6877.5	6848.9	6773.7
69°	5932.0	6138.9	6336.8	6522.1	6670.5	6801.5	6903.3	6974.3	6989.7	6964.6	6894.9
70°	5835.2	6044.2	6259.5	6437.1	6605.1	6743.7	6853.1	6921.4	6942.3	6916.5	6851.0
72.5°	5239.5	5442.2	5603.1	5812.2	6051.1	6138.2	6306.9	6362.6	6414.1	6380.0	6341.0
75°	4104.5	4295.4	4461.9	4570.6	4680.0	4895.3	4935.7	5040.2	5075.7	5042.3	5085.5
77.5°	2138.3	2267.2	2322.9	2235.8	2249.1	2419.1	2322.9	2435.8	2500.6	2519.4	2546.6
80°	409.0	429.9	445.9	440.3	445.9	458.5	426.4	409.0	432.0	427.1	427.1
82.5°	120.5	118.4	118.4	124.7	124.0	126.8	126.8	121.9	125.4	125.4	126.1
85°	55.0	52.3	51.6	52.3	51.6	51.6	53.6	53.6	57.8	54.3	55.0
87.5°	7.0	6.3	7.0	7.0	5.6	5.6	6.3	7.0	7.0	6.3	6.3
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: P148953

CATALOG NUMBER: TLM-F03-LED-E1-RW-8030

CANDELA DISTRIBUTION (continued):

	95°	96°	97°	98°	99°	100°	105°	115°	125°	135°	145°
0°	1223.5	1223.5	1223.5	1223.5	1223.5	1223.5	1223.5	1223.5	1223.5	1223.5	1223.5
2.5°	1224.2	1223.5	1223.5	1223.5	1222.8	1222.1	1221.4	1219.3	1217.2	1216.5	1213.0
5°	1237.4	1238.1	1236.7	1235.3	1235.3	1235.3	1233.2	1227.6	1223.5	1221.4	1216.5
7.5°	1265.3	1263.9	1261.8	1261.1	1259.7	1260.4	1256.2	1249.2	1241.6	1236.7	1229.0
10°	1302.2	1300.8	1299.4	1298.0	1295.9	1295.9	1291.1	1280.6	1268.8	1260.4	1246.5
12.5°	1345.4	1344.0	1342.6	1341.9	1338.4	1337.7	1330.8	1318.2	1302.9	1286.9	1266.7
15°	1385.1	1383.0	1382.3	1380.2	1378.1	1377.4	1371.2	1354.5	1335.6	1317.5	1291.1
17.5°	1410.2	1408.8	1406.7	1405.3	1404.6	1403.9	1394.9	1380.9	1366.3	1348.2	1316.1
20°	1418.6	1419.3	1417.9	1416.5	1414.4	1413.0	1404.6	1391.4	1388.6	1378.8	1346.1
22.5°	1417.2	1417.2	1416.5	1413.7	1412.3	1408.8	1397.0	1390.7	1406.0	1410.2	1368.4
25°	1411.6	1410.9	1408.8	1406.7	1402.5	1397.7	1379.5	1383.0	1426.2	1433.9	1373.3
27.5°	1405.3	1404.6	1401.1	1396.3	1390.0	1383.0	1360.0	1383.0	1445.0	1438.8	1353.1
30°	1401.8	1399.0	1394.2	1387.2	1378.8	1371.2	1346.1	1401.1	1458.3	1422.0	1297.3
32.5°	1402.5	1397.7	1390.7	1381.6	1371.9	1362.8	1345.4	1433.2	1463.1	1381.6	1218.6
35°	1419.3	1411.6	1402.5	1393.5	1383.7	1375.4	1376.7	1477.8	1462.4	1321.0	1142.6
37.5°	1479.9	1466.6	1460.4	1450.6	1436.7	1429.7	1457.6	1527.2	1452.7	1247.2	1075.8
40°	1613.6	1602.5	1593.4	1568.4	1573.2	1567.7	1594.1	1594.8	1440.2	1185.1	1020.0
42.5°	1808.7	1808.7	1789.2	1785.7	1772.5	1778.8	1790.6	1674.3	1427.6	1148.2	965.0
45°	2038.6	2056.1	2048.4	2046.3	2056.8	2069.3	2015.0	1768.3	1428.3	1116.2	900.9
47.5°	2311.8	2326.4	2334.1	2346.6	2359.8	2352.2	2240.0	1867.3	1440.8	1070.2	818.7
50°	2602.3	2637.8	2649.0	2665.0	2676.9	2678.9	2453.2	1969.0	1454.1	985.9	729.5
52.5°	2962.5	2996.0	3007.8	3019.0	3009.9	3002.2	2662.2	2089.5	1443.6	885.6	653.5
55°	3386.1	3392.4	3390.3	3376.4	3368.7	3326.9	2855.9	2217.7	1362.1	792.9	581.1
57.5°	3827.2	3830.0	3804.9	3756.1	3699.7	3660.0	3041.9	2323.6	1189.3	718.3	509.3
60°	4395.0	4337.9	4295.4	4220.8	4128.9	4043.9	3241.2	2382.8	1024.2	646.6	428.5
62.5°	5080.6	4966.3	4874.4	4799.1	4663.3	4513.5	3495.5	2390.5	923.9	578.3	336.5
65°	5968.2	5847.7	5690.9	5562.0	5415.0	5213.0	3905.9	2335.5	874.4	498.9	245.9
67.5°	6667.1	6545.1	6369.6	6225.3	6035.8	5800.3	4245.9	2239.3	862.6	427.1	193.7
69°	6789.0	6655.9	6497.8	6317.3	6115.9	5864.4	4259.1	2127.8	844.4	399.9	177.7
70°	6744.4	6605.7	6453.2	6261.6	6035.8	5777.3	4158.8	2003.8	808.2	384.6	172.1
72.5°	6244.1	6033.0	5879.8	5716.0	5441.5	5179.5	3580.5	1516.1	629.2	324.0	160.9
75°	4999.1	4818.6	4645.8	4564.3	4336.5	4114.2	2688.0	962.9	411.1	201.4	126.1
77.5°	2548.7	2515.9	2565.4	2528.5	2364.0	2364.0	1658.9	511.4	241.8	121.2	96.1
80°	457.8	477.3	468.2	487.7	453.6	503.7	583.2	343.5	171.4	92.7	78.7
82.5°	128.2	129.6	128.2	128.9	133.1	140.0	303.1	295.4	132.4	69.7	61.3
85°	59.9	60.6	62.0	62.0	67.6	69.0	203.4	211.8	77.3	38.3	41.1
87.5°	7.0	9.1	9.1	8.4	9.8	9.8	37.6	42.5	10.5	7.7	12.5
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: P148953

CATALOG NUMBER: TLM-F03-LED-E1-RW-8030

CANDELA DISTRIBUTION (continued):

	155°	165°	175°	180°
0°	1223.5	1223.5	1223.5	1223.5
2.5°	1210.2	1207.4	1204.7	1206.7
5°	1214.4	1210.2	1206.7	1208.8
7.5°	1225.6	1218.6	1217.9	1217.9
10°	1239.5	1229.7	1227.0	1227.0
12.5°	1254.1	1240.9	1236.0	1236.0
15°	1269.5	1250.6	1243.7	1241.6
17.5°	1286.9	1260.4	1247.9	1247.9
20°	1303.6	1261.8	1243.0	1242.3
22.5°	1306.4	1245.8	1218.6	1217.2
25°	1285.5	1208.1	1172.6	1165.6
27.5°	1236.0	1149.6	1112.0	1110.6
30°	1161.5	1073.0	1034.7	1030.5
32.5°	1088.3	994.2	958.7	958.7
35°	1014.4	922.5	876.5	871.6
37.5°	946.2	846.5	805.4	804.7
40°	883.5	780.3	740.6	734.4
42.5°	820.8	710.7	665.4	664.0
45°	746.2	634.7	595.7	592.2
47.5°	666.8	566.4	525.3	524.6
50°	595.0	503.0	461.9	461.9
52.5°	529.5	441.0	399.9	395.7
55°	455.7	370.7	328.9	324.0
57.5°	375.5	291.9	254.3	243.9
60°	290.5	212.5	174.2	168.6
62.5°	211.8	155.4	126.8	122.6
65°	159.6	132.4	108.7	104.5
67.5°	137.3	119.1	98.9	94.8
69°	127.5	112.9	94.8	90.6
70°	123.3	108.7	91.3	87.8
72.5°	113.6	99.6	83.6	82.2
75°	103.8	90.6	75.2	73.2
77.5°	100.3	78.7	64.8	63.4
80°	102.4	64.1	53.0	51.6
82.5°	83.6	51.6	41.1	39.0
85°	52.3	34.8	21.6	21.6
87.5°	13.2	11.1	6.3	6.3
90°	0.0	0.0	0.0	0.0

(END OF REPORT)