

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: P150098

Luminaire Tested: **TLM-E04-LED-E1-SL2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P150098
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33678)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TLM-E04-LED-E1-SL2-8030
Description: TALON MEDIUM LED SITE LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (84) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

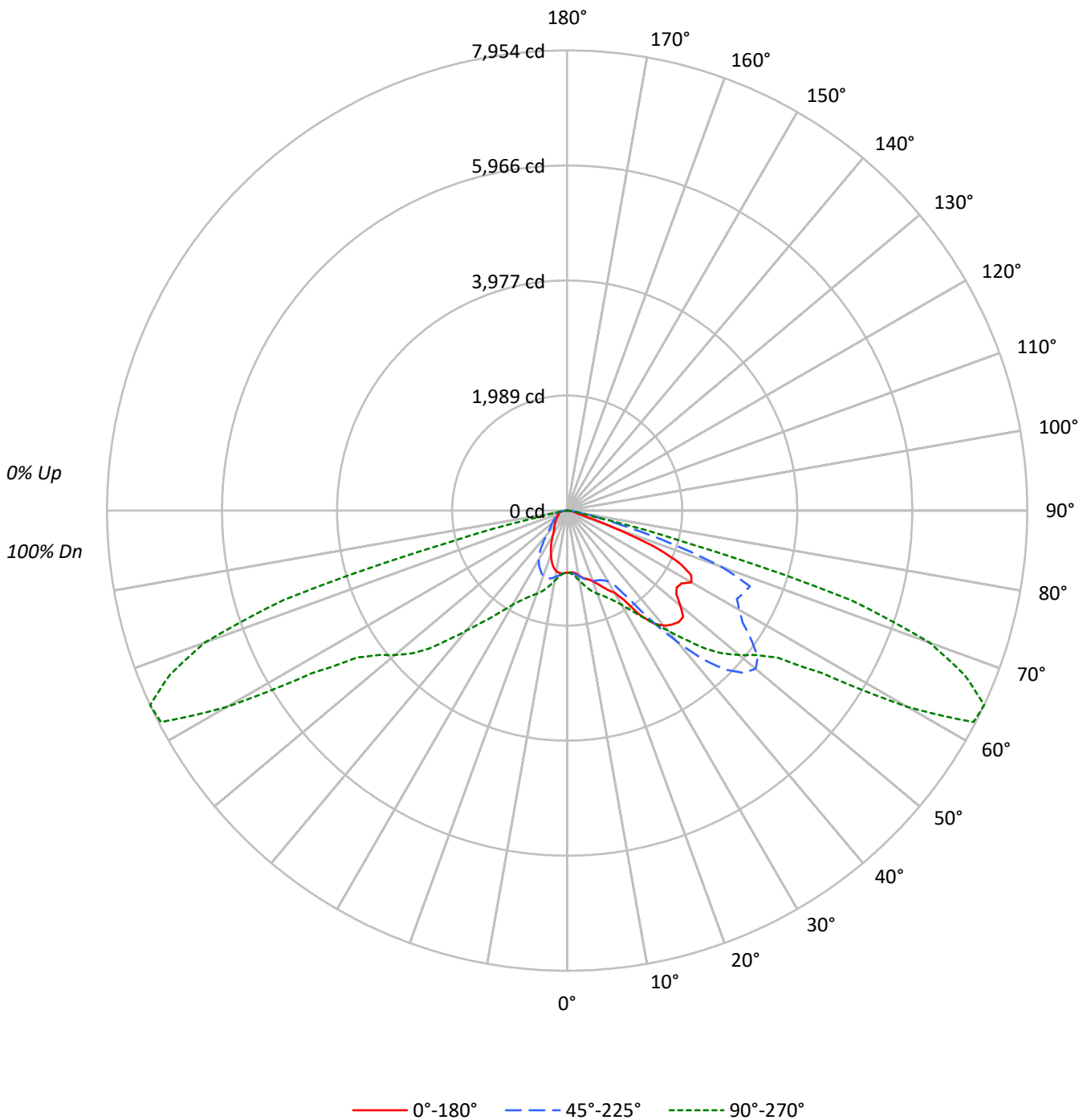
Lumens per Lamp: N/A
Luminaire Lumens: 10313.9 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Spacing Criteria (0/90/45): 1.99 / 4.45 / 2.31
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
CIE Type: Direct

Input Watts (W): 97.2
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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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	90	103	98	93	88	93	89	85	89	86	83	85	83	80	78					78			
2	93	83	74	67	90	81	73	66	77	70	64	74	68	63	70	66	61	59					59			
3	82	69	59	51	80	68	58	51	64	56	50	61	54	49	59	53	48	45					45			
4	74	59	48	40	71	57	47	40	55	46	39	52	45	38	50	43	38	35					35			
5	66	51	40	32	64	50	39	32	47	38	31	45	37	31	43	36	30	28					28			
6	60	44	34	26	58	43	33	26	41	32	26	40	32	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	34	25	19	33	24	18	32	24	18	30	23	18	16					16			
9	47	32	22	16	46	31	22	16	30	22	16	29	21	16	28	21	16	14					14			
10	44	29	20	14	42	28	20	14	27	19	14	26	19	14	25	19	14	12					12			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	17248	17248	17248
5°	17259	17894	17604
10°	18468	20065	17385
15°	20233	23170	16172
20°	22183	26146	13968
25°	25872	29504	11551
30°	30353	34759	9123
35°	43281	43832	7614
40°	54446	56711	7080
45°	61951	76676	6725
50°	63819	97090	6356
55°	64741	123810	6179
60°	79656	217813	6147
65°	81366	302358	6459
70°	39011	312978	7347
75°	10757	128875	8938
80°	9057	18013	8854
85°	6009	11207	9548



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.7	1.0
10°-20°	348.9	3.4
20°-30°	602.7	5.8
30°-40°	997.7	9.7
40°-50°	1692.0	16.4
50°-60°	2248.2	21.8
60°-70°	2904.1	28.2
70°-80°	1218.0	11.8
80°-90°	195.6	1.9
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°	1058.4	10.3
0°-40°	2056.1	19.9
0°-60°	5996.2	58.1
0°-90°	10313.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10313.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1074	1074	1074	1074	1074	
5°	1070	1088	1110	1103	1092	104
15°	1216	1231	1393	1214	972	347
25°	1460	1326	1664	1113	652	682
35°	2207	1841	2235	788	388	1366
45°	2727	3891	3375	404	296	2071
55°	2311	3878	4420	275	221	2141
65°	2140	3362	7954	218	170	1934
75°	173	967	2076	227	144	279
85°	33	81	61	70	52	44
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°	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6
2.5°	1070.2	1073.6	1071.3	1073.6	1075.8	1076.9	1079.2	1078.1	1078.1	1079.2	1076.9
5°	1070.2	1070.2	1073.6	1079.2	1081.4	1088.2	1096.1	1094.9	1096.1	1094.9	1097.2
7.5°	1092.7	1091.6	1094.9	1101.7	1103.9	1114.1	1127.6	1129.8	1132.1	1132.1	1135.4
10°	1132.1	1130.9	1134.3	1137.7	1141.1	1149.0	1168.1	1176.0	1177.1	1178.2	1182.7
12.5°	1181.6	1180.5	1176.0	1176.0	1174.8	1189.5	1215.3	1230.0	1232.2	1236.7	1240.1
15°	1216.5	1213.1	1206.3	1201.8	1207.5	1231.1	1269.4	1286.2	1288.5	1291.9	1300.9
17.5°	1250.2	1246.9	1232.2	1221.0	1228.9	1267.1	1318.9	1336.9	1341.4	1344.8	1354.9
20°	1297.5	1295.2	1273.9	1246.9	1244.6	1294.1	1357.1	1380.8	1384.1	1388.6	1398.8
22.5°	1369.5	1359.4	1334.6	1284.0	1259.2	1309.9	1384.1	1416.8	1421.3	1425.8	1439.3
25°	1459.5	1455.0	1412.3	1334.6	1282.9	1325.6	1413.4	1453.9	1460.7	1466.3	1484.3
27.5°	1552.9	1546.2	1500.1	1398.8	1324.5	1357.1	1459.5	1505.7	1514.7	1523.7	1540.6
30°	1636.2	1634.0	1595.7	1485.4	1392.0	1416.8	1533.8	1590.1	1600.2	1611.5	1627.2
32.5°	1832.0	1833.1	1793.8	1681.2	1555.2	1524.8	1640.7	1725.1	1729.6	1743.1	1771.3
35°	2206.8	2211.3	2196.6	2107.7	1965.9	1841.0	1852.3	1935.6	1940.1	1951.3	1978.3
37.5°	2457.7	2466.7	2511.7	2539.9	2467.8	2410.4	2267.5	2234.9	2238.3	2231.5	2225.9
40°	2596.1	2609.6	2727.8	2874.1	2952.8	2954.0	2892.1	2748.0	2692.9	2677.1	2609.6
42.5°	2674.9	2697.4	2865.1	3114.9	3341.1	3496.4	3534.6	3374.8	3334.3	3262.3	3132.9
45°	2726.7	2753.7	2951.7	3293.8	3626.9	3891.4	4090.5	4019.6	3992.6	3948.8	3829.5
47.5°	2717.7	2739.0	2945.0	3354.6	3776.6	4152.4	4505.8	4578.9	4546.3	4535.0	4454.0
50°	2553.4	2572.5	2781.8	3203.8	3694.4	4251.5	4769.1	4976.2	4976.2	4997.6	4972.8
52.5°	2377.8	2393.6	2583.7	2963.0	3428.9	4154.7	4915.4	5258.6	5303.6	5340.8	5399.3
55°	2311.4	2330.5	2474.6	2798.7	3202.7	3877.9	4964.9	5470.2	5553.5	5616.5	5749.3
57.5°	2342.9	2362.0	2464.5	2709.8	3069.9	3595.4	4967.2	5754.9	5915.8	6045.2	6314.2
60°	2479.1	2497.1	2582.6	2791.9	3035.0	3432.2	4871.5	6208.4	6465.0	6708.0	7155.9
62.5°	2416.1	2438.6	2563.5	2928.1	3294.9	3308.4	4526.0	6559.5	6972.5	7331.5	8043.8
65°	2140.4	2164.0	2261.9	2602.9	3310.7	3362.5	4014.0	6566.2	7079.4	7564.4	8333.0
67.5°	1625.0	1634.0	1711.6	1985.1	2647.9	3422.1	3487.4	5788.7	6277.0	6818.3	7611.7
70°	830.5	846.2	868.7	1096.1	1704.9	2827.9	2996.7	4266.1	4888.4	5447.7	6400.8
72.5°	288.1	293.7	316.2	418.6	830.5	1855.7	2623.1	2923.6	3299.4	3822.7	4926.7
75°	173.3	173.3	181.2	211.6	379.2	966.7	2333.9	2387.9	2438.6	2614.1	3336.6
77.5°	137.3	139.5	139.5	145.2	210.4	496.3	1772.4	2220.3	2227.0	2243.9	2365.4
80°	97.9	102.4	111.4	115.9	136.2	272.3	994.8	1949.1	2081.8	2146.0	2234.9
82.5°	73.1	77.6	94.5	100.2	105.8	151.9	446.8	1344.8	1586.7	1715.0	2027.8
85°	32.6	38.3	64.1	70.9	74.3	81.0	209.3	382.6	440.0	494.0	651.6
87.5°	5.6	5.6	10.1	14.6	21.4	20.3	46.1	65.3	66.4	77.6	86.6
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°	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6
2.5°	1076.9	1076.9	1076.9	1075.8	1076.9	1076.9	1076.9	1076.9	1078.1	1078.1	1078.1
5°	1100.6	1098.3	1099.4	1099.4	1099.4	1098.3	1100.6	1099.4	1100.6	1103.9	1102.8
7.5°	1135.4	1137.7	1138.8	1140.0	1140.0	1140.0	1141.1	1143.3	1143.3	1146.7	1145.6
10°	1187.2	1186.1	1187.2	1190.6	1194.0	1195.1	1198.5	1197.3	1199.6	1204.1	1208.6
12.5°	1242.4	1244.6	1248.0	1251.4	1257.0	1258.1	1261.5	1262.6	1269.4	1269.4	1273.9
15°	1304.2	1305.4	1312.1	1313.2	1320.0	1322.3	1327.9	1330.1	1338.0	1339.1	1343.6
17.5°	1360.5	1362.8	1366.1	1369.5	1377.4	1380.8	1385.3	1389.8	1396.5	1398.8	1406.7
20°	1405.5	1410.0	1411.2	1417.9	1424.7	1429.2	1433.7	1438.2	1444.9	1448.3	1456.2
22.5°	1446.0	1450.5	1453.9	1459.5	1464.0	1470.8	1473.0	1480.9	1487.7	1493.3	1500.1
25°	1489.9	1496.7	1500.1	1510.2	1513.6	1520.3	1525.9	1533.8	1542.8	1549.6	1558.6
27.5°	1551.8	1561.9	1566.4	1577.7	1585.6	1589.0	1598.0	1609.2	1617.1	1625.0	1634.0
30°	1637.3	1656.5	1659.8	1667.7	1682.4	1684.6	1695.9	1704.9	1717.2	1725.1	1733.0
32.5°	1770.1	1793.8	1796.0	1805.0	1817.4	1821.9	1830.9	1841.0	1860.2	1863.5	1875.9
35°	1973.8	1983.9	1992.9	1996.3	2006.4	2012.1	2018.8	2030.1	2049.2	2047.0	2060.5
37.5°	2218.0	2221.4	2222.5	2211.3	2213.5	2203.4	2215.8	2218.0	2224.8	2230.4	2243.9
40°	2566.9	2532.0	2527.5	2500.5	2473.5	2458.8	2453.2	2430.7	2436.3	2438.6	2449.8
42.5°	3076.6	3009.1	2952.8	2914.6	2848.2	2815.6	2771.7	2736.8	2709.8	2719.9	2724.4
45°	3722.6	3625.8	3535.8	3418.7	3332.1	3270.2	3192.5	3122.8	3091.3	3076.6	3094.6
47.5°	4367.4	4281.8	4176.1	4055.7	3918.4	3816.0	3686.6	3572.9	3494.1	3464.9	3480.6
50°	4924.4	4845.6	4765.7	4694.8	4535.0	4423.6	4247.0	4099.5	3975.8	3912.7	3895.9
52.5°	5386.9	5345.3	5302.5	5242.9	5114.6	5003.2	4862.5	4717.3	4553.0	4424.8	4380.9
55°	5799.9	5824.7	5803.3	5804.4	5753.8	5682.9	5563.6	5455.6	5340.8	5195.6	5134.8
57.5°	6402.0	6548.2	6577.5	6650.6	6686.7	6724.9	6758.7	6694.5	6665.3	6557.2	6558.4
60°	7350.6	7564.4	7750.1	7918.9	8057.3	8192.3	8334.1	8397.1	8466.9	8499.6	8611.0
62.5°	8360.0	8563.7	8840.5	9066.7	9193.9	9369.4	9523.6	9623.7	9746.4	9876.9	10046.9
65°	8609.8	8855.2	9029.6	9180.4	9306.4	9399.8	9484.2	9603.5	9705.9	9913.0	10113.3
67.5°	7969.5	8165.3	8325.1	8473.7	8571.6	8650.3	8725.7	8804.5	8980.1	9168.0	9369.4
70°	6840.8	7077.1	7341.6	7534.0	7582.4	7649.9	7722.0	7824.4	7912.1	8109.1	8262.1
72.5°	5496.1	5835.9	6059.9	6326.6	6383.9	6486.4	6526.9	6606.8	6622.5	6729.4	6769.9
75°	3830.6	4220.0	4445.0	4640.8	4679.1	4622.8	4645.3	4362.9	4290.8	4232.3	4185.1
77.5°	2528.6	2633.3	2669.3	2637.8	2487.0	2368.8	2242.8	2119.0	2132.5	2032.3	1856.8
80°	2248.4	2272.0	2239.4	2207.9	2121.2	1997.4	1883.8	1767.9	1710.5	1649.7	1559.7
82.5°	2187.6	2278.8	2288.9	2250.6	2182.0	2047.0	1909.7	1737.5	1591.2	1456.2	1318.9
85°	731.5	890.1	961.0	1027.4	1047.7	1071.3	990.3	880.0	747.2	658.3	515.4
87.5°	93.4	115.9	133.9	114.8	133.9	157.5	113.7	127.2	128.3	79.9	59.6
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6
2.5°	1079.2	1078.1	1078.1	1078.1	1076.9	1078.1	1078.1	1078.1	1078.1	1078.1	1076.9
5°	1103.9	1103.9	1107.3	1108.4	1106.2	1105.1	1106.2	1107.3	1107.3	1106.2	1107.3
7.5°	1150.1	1151.2	1153.5	1156.8	1154.6	1155.7	1156.8	1155.7	1159.1	1160.2	1159.1
10°	1208.6	1210.8	1216.5	1217.6	1216.5	1221.0	1222.1	1219.8	1222.1	1222.1	1226.6
12.5°	1276.1	1278.4	1285.1	1287.4	1289.6	1290.7	1294.1	1295.2	1298.6	1300.9	1304.2
15°	1349.3	1351.5	1356.0	1363.9	1366.1	1368.4	1370.6	1377.4	1378.5	1383.0	1386.4
17.5°	1411.2	1414.5	1421.3	1426.9	1430.3	1435.9	1438.2	1446.0	1448.3	1455.0	1460.7
20°	1460.7	1466.3	1471.9	1478.7	1484.3	1491.1	1493.3	1501.2	1505.7	1509.1	1515.8
22.5°	1505.7	1512.4	1520.3	1528.2	1532.7	1541.7	1545.1	1548.4	1558.6	1563.1	1569.8
25°	1564.2	1570.9	1580.0	1590.1	1594.6	1605.8	1609.2	1614.8	1626.1	1630.6	1640.7
27.5°	1644.1	1653.1	1659.8	1670.0	1675.6	1683.5	1691.4	1698.1	1708.2	1715.0	1726.2
30°	1744.2	1751.0	1762.3	1770.1	1779.1	1790.4	1799.4	1806.1	1811.8	1821.9	1834.3
32.5°	1891.7	1892.8	1896.2	1915.3	1924.3	1933.3	1945.7	1951.3	1960.3	1970.4	1983.9
35°	2075.1	2085.2	2093.1	2102.1	2112.2	2122.4	2126.9	2143.7	2151.6	2165.1	2178.6
37.5°	2257.4	2258.5	2276.5	2282.2	2291.2	2301.3	2317.0	2333.9	2354.2	2367.7	2389.1
40°	2453.2	2462.2	2484.7	2496.0	2507.2	2532.0	2544.4	2571.4	2605.1	2624.2	2660.3
42.5°	2736.8	2750.3	2790.8	2808.8	2835.8	2876.3	2902.2	2939.3	2952.8	2999.0	3015.9
45°	3108.1	3149.8	3208.3	3246.6	3294.9	3338.8	3361.3	3378.2	3398.5	3434.5	3430.0
47.5°	3509.9	3563.9	3629.2	3707.9	3739.4	3791.2	3820.5	3853.1	3835.1	3826.1	3817.1
50°	3921.7	3984.8	4071.4	4142.3	4190.7	4222.2	4247.0	4242.5	4204.2	4183.9	4127.7
52.5°	4379.8	4416.9	4499.0	4559.8	4589.1	4595.8	4590.2	4556.4	4520.4	4456.3	4389.9
55°	5082.0	5065.1	5097.7	5125.8	5116.8	5148.3	5067.3	5035.8	4946.9	4863.6	4774.7
57.5°	6508.9	6531.4	6349.1	6266.9	6252.3	6281.5	6138.6	6120.6	5905.7	5878.7	5729.0
60°	8595.2	8705.5	8562.6	8482.7	8266.6	8195.7	8035.9	7969.5	7763.6	7597.0	7386.6
62.5°	10163.9	10264.1	10323.7	10210.0	10084.0	9898.3	9656.4	9388.6	9170.2	8914.8	8692.0
65°	10305.7	10508.2	10645.5	10698.4	10609.5	10405.8	10107.6	9770.0	9435.8	9115.1	8833.8
67.5°	9642.9	9824.1	10036.7	10226.9	10238.2	10105.4	9851.1	9507.8	9121.9	8725.7	8396.0
70°	8504.1	8731.4	8917.0	9117.4	9256.9	9180.4	9053.2	8738.1	8337.5	8029.2	7649.9
72.5°	6916.2	7011.9	7056.9	7253.8	7256.1	7116.5	7026.5	6852.1	6529.1	6310.8	6021.6
75°	4038.8	3828.3	3604.4	3409.7	3251.1	3184.7	2889.8	2840.3	2642.3	2519.6	2339.5
77.5°	1665.5	1477.5	1235.6	1034.2	835.0	745.0	614.4	557.0	482.8	450.1	428.7
80°	1428.0	1250.2	1067.9	893.5	738.2	582.9	453.5	352.2	276.8	235.2	218.3
82.5°	1165.8	1058.9	931.8	837.2	715.7	599.8	506.4	392.7	293.7	216.1	165.4
85°	420.9	345.5	278.0	255.4	203.7	167.7	140.7	120.4	99.0	78.8	69.8
87.5°	47.3	45.0	25.9	24.8	28.1	20.3	23.6	21.4	18.0	15.8	16.9
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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CATALOG NUMBER: TLM-E04-LED-E1-SL2-8030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6	1073.6
2.5°	1076.9	1076.9	1078.1	1078.1	1079.2	1080.3	1082.6	1081.4	1081.4	1082.6	1082.6
5°	1107.3	1110.7	1109.6	1109.6	1109.6	1110.7	1111.8	1107.3	1102.8	1098.3	1096.1
7.5°	1160.2	1162.5	1164.7	1162.5	1164.7	1163.6	1161.3	1149.0	1134.3	1116.3	1103.9
10°	1228.9	1228.9	1231.1	1230.0	1234.5	1231.1	1224.3	1196.2	1164.7	1126.4	1098.3
12.5°	1303.1	1311.0	1307.6	1308.7	1317.8	1308.7	1293.0	1251.4	1195.1	1133.2	1083.7
15°	1390.9	1394.3	1396.5	1393.1	1398.8	1390.9	1362.8	1296.4	1214.2	1127.6	1054.4
17.5°	1462.9	1464.0	1465.2	1467.4	1475.3	1466.3	1417.9	1327.9	1218.7	1101.7	1004.9
20°	1519.2	1524.8	1529.3	1529.3	1540.6	1527.1	1462.9	1343.6	1204.1	1058.9	941.9
22.5°	1577.7	1582.2	1587.8	1589.0	1603.6	1590.1	1500.1	1340.3	1165.8	998.2	868.7
25°	1649.7	1654.2	1658.7	1664.4	1684.6	1665.5	1537.2	1326.8	1112.9	926.1	790.0
27.5°	1733.0	1743.1	1746.5	1755.5	1779.1	1749.9	1568.7	1306.5	1054.4	842.9	706.7
30°	1844.4	1856.8	1861.3	1873.7	1906.3	1842.2	1586.7	1271.6	980.2	758.5	617.8
32.5°	1994.1	2010.9	2024.5	2038.0	2075.1	1934.4	1589.0	1221.0	893.5	663.9	532.3
35°	2189.9	2215.8	2225.9	2234.9	2269.8	2034.6	1578.8	1145.6	787.7	567.2	464.8
37.5°	2409.3	2435.2	2441.9	2446.4	2453.2	2120.1	1554.1	1030.8	668.4	482.8	410.7
40°	2679.4	2701.9	2710.9	2704.1	2668.1	2186.5	1498.9	896.9	552.5	425.4	377.0
42.5°	3009.1	3042.9	3046.2	3015.9	2896.6	2223.6	1388.6	739.3	461.4	383.7	351.1
45°	3417.6	3415.3	3396.2	3374.8	3145.3	2209.0	1234.5	602.0	404.0	351.1	327.5
47.5°	3784.5	3746.2	3716.9	3653.9	3364.7	2123.5	1035.3	498.5	369.1	326.3	307.2
50°	4084.9	4015.1	3953.3	3884.6	3527.9	1971.6	837.2	423.1	336.5	305.0	288.1
52.5°	4322.4	4238.0	4165.9	4098.4	3685.4	1802.8	686.4	368.0	305.0	283.6	266.7
55°	4693.7	4609.3	4494.5	4420.3	3926.2	1647.5	588.5	324.1	274.6	261.1	244.2
57.5°	5633.4	5559.1	5421.8	5229.4	4545.2	1589.0	533.4	290.3	249.8	241.9	228.4
60°	7274.1	7153.7	6974.7	6778.9	5803.3	1628.3	489.5	266.7	232.9	226.2	216.1
62.5°	8511.9	8300.4	8097.8	7916.6	6809.3	1627.2	432.1	248.7	220.6	217.2	207.1
65°	8562.6	8347.6	8143.9	7953.8	6831.8	1448.3	364.6	232.9	218.3	217.2	200.3
67.5°	8107.9	7875.0	7678.1	7438.4	6324.3	1132.1	292.6	222.8	227.3	225.1	198.1
70°	7365.2	7061.4	6899.3	6663.0	5565.8	792.2	240.8	226.2	246.4	239.7	201.4
72.5°	5780.8	5551.2	5304.8	5140.5	4357.2	500.8	202.6	228.4	254.3	243.1	210.4
75°	2151.6	2213.5	2112.2	2076.2	2213.5	293.7	180.1	212.7	227.3	210.4	191.3
77.5°	434.4	415.2	393.9	389.4	503.0	181.2	165.4	184.6	174.4	154.2	155.3
80°	208.2	202.6	195.8	194.7	186.8	150.8	153.0	157.5	131.7	119.3	127.2
82.5°	138.4	130.5	128.3	123.8	126.0	135.0	145.2	135.0	101.3	94.5	114.8
85°	64.1	61.9	60.8	60.8	67.5	121.5	120.4	99.0	69.8	67.5	114.8
87.5°	15.8	15.8	16.9	15.8	18.0	36.0	31.5	30.4	25.9	29.3	54.0
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: P150098

CATALOG NUMBER: TLM-E04-LED-E1-SL2-8030

CANDELA DISTRIBUTION (continued):

	165°	175°	180°
0°	1073.6	1073.6	1073.6
2.5°	1081.4	1082.6	1081.4
5°	1091.6	1091.6	1091.6
7.5°	1091.6	1088.2	1087.1
10°	1075.8	1065.7	1065.7
12.5°	1048.8	1031.9	1029.7
15°	998.2	975.7	972.3
17.5°	934.0	903.6	898.0
20°	862.0	823.7	817.0
22.5°	783.2	739.3	736.0
25°	705.6	660.6	651.6
27.5°	618.9	575.0	570.5
30°	532.3	494.0	491.8
32.5°	459.1	435.5	431.0
35°	407.4	393.9	388.2
37.5°	373.6	363.5	362.4
40°	347.7	338.7	337.6
42.5°	326.3	318.5	317.3
45°	305.0	298.2	296.0
47.5°	283.6	276.8	275.7
50°	264.5	255.4	254.3
52.5°	246.4	237.4	235.2
55°	229.6	220.6	220.6
57.5°	214.9	205.9	204.8
60°	201.4	192.4	191.3
62.5°	191.3	180.1	178.9
65°	183.4	172.2	169.9
67.5°	178.9	165.4	162.0
70°	186.8	162.0	156.4
72.5°	187.9	158.7	150.8
75°	181.2	149.7	144.0
77.5°	158.7	133.9	128.3
80°	137.3	103.5	95.7
82.5°	130.5	84.4	73.1
85°	101.3	55.1	51.8
87.5°	57.4	30.4	24.8
90°	0.0	0.0	0.0

(END OF REPORT)