

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: P152922

Luminaire Tested: **TLM-E01-LED-E1-SLL-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P152922
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33681)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TLM-E01-LED-E1-SLL-7060
Description: TALON MEDIUM LED SITE LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (21) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2855.1 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Spacing Criteria (0/90/45): 1.93 / 2.48 / 2.44
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
CIE Type: Direct

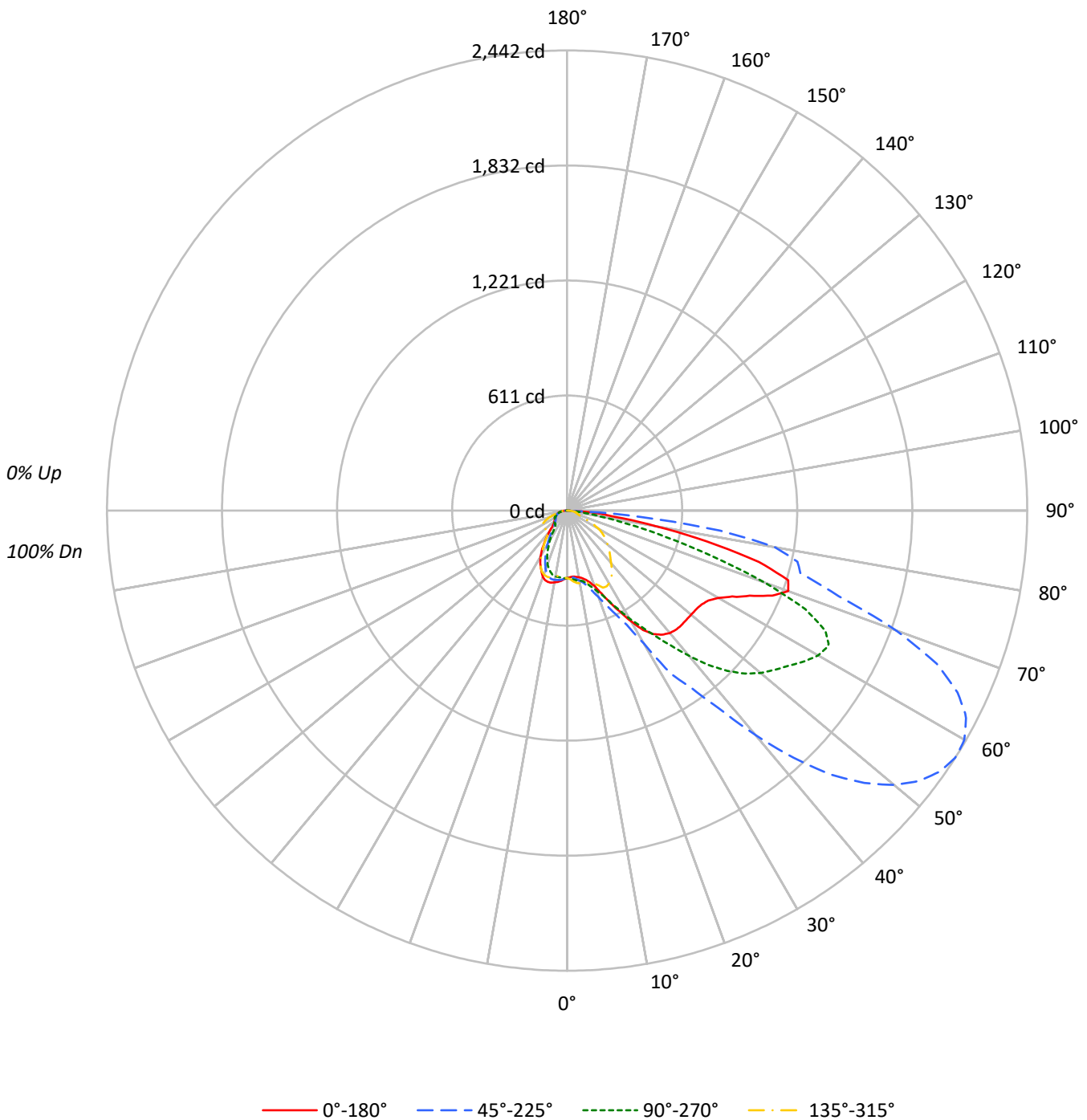
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	105	99	93	88	102	97	91	87	92	88	84	88	85	81	84	82	79	77
2	93	82	73	66	90	80	72	65	76	70	64	73	67	62	70	65	61	58
3	82	69	59	51	80	68	58	50	64	56	49	61	54	48	59	53	47	45
4	74	59	48	40	71	58	48	40	55	46	39	52	45	39	50	44	38	35
5	67	51	41	33	64	50	40	32	48	39	32	46	38	32	44	37	31	29
6	61	45	35	27	59	44	34	27	42	33	27	40	32	26	39	32	26	24
7	56	40	30	23	54	39	30	23	38	29	23	36	28	22	35	27	22	20
8	52	36	26	20	50	35	26	20	34	25	19	33	25	19	31	24	19	17
9	48	33	23	17	46	32	23	17	31	23	17	30	22	17	29	22	17	15
10	45	30	21	15	43	29	21	15	28	20	15	27	20	15	26	20	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	22718	22718	22718	22718
5°	22328	23307	23803	22716
10°	23088	24232	24869	22805
15°	24909	26188	25716	22195
20°	28785	30395	25349	20464
25°	37684	37230	23132	17277
30°	49665	48313	20632	13380
35°	61868	62525	16526	9144
40°	70108	83142	12101	8001
45°	76873	107686	9098	8390
50°	84635	132005	8688	8590
55°	95940	158388	8875	8798
60°	117339	194776	9662	9662
65°	160039	226649	10203	10038
70°	231112	206305	10756	10645
75°	257800	133548	11889	11204
80°	176225	64867	13601	12106
85°	114276	31529	16419	14893



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.9	1.2
10°-20°	108.8	3.8
20°-30°	193.3	6.8
30°-40°	304.3	10.7
40°-50°	447.9	15.7
50°-60°	594.9	20.8
60°-70°	655.3	23.0
70°-80°	411.1	14.4
80°-90°	104.7	3.7
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°	337.0	11.8
0°-40°	641.3	22.5
0°-60°	1684.0	59.0
0°-90°	2855.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2855.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	359	359	359	359	359	
5°	351	367	374	357	351	34
15°	380	400	392	339	380	110
25°	539	533	331	247	539	255
35°	800	809	214	118	800	496
45°	858	1203	102	94	858	664
55°	869	1435	80	80	869	788
65°	1068	1513	68	67	1068	1075
75°	1054	546	49	46	1054	1031
85°	157	43	23	20	157	182
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8
2.5°	354.0	354.7	354.7	354.3	354.3	355.0	354.7	354.3	353.3	354.7	354.7
5°	351.3	352.0	352.0	352.6	353.3	354.0	354.0	354.7	354.3	355.7	356.7
7.5°	354.7	355.4	356.7	358.5	359.5	361.9	361.9	363.6	364.3	365.3	365.0
10°	359.1	360.8	363.9	366.7	368.7	371.5	373.5	375.9	375.9	376.9	377.6
12.5°	367.0	368.7	372.1	375.6	378.6	382.1	385.1	387.5	389.9	390.6	392.0
15°	380.0	382.1	387.2	392.0	395.7	400.2	404.3	409.1	413.5	414.5	415.2
17.5°	399.5	403.6	407.4	415.9	421.4	427.2	433.7	440.5	441.9	449.1	450.8
20°	427.2	432.3	435.8	446.4	455.6	463.1	472.7	480.6	483.6	490.5	497.3
22.5°	475.1	474.1	479.2	489.8	496.6	511.7	519.9	528.1	532.2	542.5	547.9
25°	539.4	544.9	556.1	557.2	563.7	581.1	591.7	599.9	600.3	603.4	609.2
27.5°	602.7	625.2	643.0	652.6	670.0	686.1	685.4	697.1	678.9	682.7	688.2
30°	679.3	716.9	750.4	773.0	790.8	809.6	818.8	825.3	817.5	814.0	807.5
32.5°	751.1	803.8	855.4	895.4	928.6	959.8	980.3	989.5	1000.5	1028.2	1038.1
35°	800.4	874.9	939.2	997.0	1052.4	1102.0	1138.0	1158.5	1150.6	1146.8	1144.8
37.5°	829.8	920.8	1001.1	1082.9	1146.5	1220.7	1276.5	1330.5	1342.8	1321.3	1310.7
40°	848.2	956.0	1059.3	1155.7	1238.2	1333.9	1403.0	1484.1	1545.7	1553.9	1528.6
42.5°	857.1	979.6	1100.0	1209.1	1320.6	1437.9	1525.5	1623.6	1715.6	1778.9	1763.2
45°	858.5	995.0	1129.7	1257.3	1390.0	1529.2	1642.1	1750.9	1874.0	1982.4	1985.5
47.5°	858.5	1006.6	1150.3	1292.2	1452.3	1608.6	1731.7	1860.3	2011.2	2139.4	2178.8
50°	859.2	1014.5	1169.4	1319.6	1499.8	1675.6	1814.8	1966.7	2125.4	2265.0	2340.9
52.5°	862.3	1020.3	1184.5	1339.1	1530.6	1722.8	1879.5	2054.6	2212.6	2355.9	2454.1
55°	869.1	1028.5	1195.4	1351.0	1551.1	1753.6	1926.3	2114.8	2269.1	2414.4	2551.6
57.5°	888.3	1042.9	1208.8	1361.6	1562.4	1773.8	1959.2	2140.8	2290.6	2442.1	2603.2
60°	926.6	1073.3	1231.7	1382.8	1581.2	1811.1	1974.9	2123.4	2274.9	2433.9	2614.9
62.5°	987.8	1120.8	1263.5	1418.8	1634.9	1868.9	1962.9	2071.4	2213.0	2386.4	2573.5
63°	1009.0	1131.1	1270.7	1426.6	1649.6	1879.5	1957.8	2056.0	2200.3	2371.3	2558.8
65°	1068.2	1176.6	1304.9	1466.3	1710.2	1890.1	1917.8	1975.9	2112.8	2285.5	2471.9
67.5°	1178.7	1287.1	1378.4	1533.3	1761.1	1848.4	1793.6	1800.8	1943.8	2122.7	2290.3
70°	1248.4	1377.7	1425.3	1541.9	1751.9	1786.4	1632.9	1537.8	1652.4	1856.2	2003.0
72.5°	1230.3	1378.7	1373.6	1428.0	1567.2	1599.4	1440.3	1290.5	1358.6	1510.8	1605.9
75°	1053.8	1231.3	1193.7	1182.8	1231.7	1252.9	1133.5	1110.6	1196.4	1280.9	1282.3
77.5°	758.6	953.9	909.8	846.5	843.1	892.0	908.1	1058.3	1185.2	1251.8	1222.4
80°	483.3	695.0	649.2	538.7	537.0	600.6	741.9	946.1	1080.5	1117.8	1041.2
82.5°	252.4	454.9	472.4	404.3	462.8	568.1	706.0	762.4	813.4	818.5	728.2
85°	157.3	279.8	329.0	339.6	418.0	503.8	502.8	483.0	460.4	394.0	356.4
87.5°	17.8	35.2	53.4	50.6	68.1	95.4	119.0	69.8	48.9	17.8	24.6
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8
2.5°	355.4	355.7	356.1	356.1	357.8	357.4	357.8	358.5	359.5	360.2	360.8
5°	358.1	358.1	359.5	360.5	362.6	363.9	364.6	366.7	369.1	368.4	370.4
7.5°	367.0	366.7	368.0	368.7	370.4	372.8	372.5	374.2	376.2	376.9	378.6
10°	379.0	377.9	377.9	377.3	377.6	376.9	376.9	376.9	378.3	377.9	379.3
12.5°	391.3	390.9	390.3	388.2	388.2	385.5	384.1	382.4	382.1	379.7	380.0
15°	416.6	416.6	415.2	411.1	407.7	405.3	401.9	399.5	396.1	391.6	389.2
17.5°	453.5	448.8	447.0	446.4	440.9	438.8	431.3	423.4	419.7	413.5	410.1
20°	498.7	497.7	490.8	487.4	480.6	471.0	461.4	451.1	445.0	437.5	433.4
22.5°	549.7	542.1	538.7	533.6	523.0	512.0	497.7	484.0	474.4	469.3	466.2
25°	609.2	601.6	598.2	591.4	578.4	566.8	549.0	532.9	524.3	515.8	511.0
27.5°	688.2	681.0	676.9	659.1	654.7	635.5	613.6	591.7	580.4	567.8	559.6
30°	806.2	806.5	785.3	763.8	741.5	708.4	685.4	660.8	642.3	624.2	606.1
32.5°	1005.6	954.6	915.3	869.1	820.9	785.7	757.3	727.9	702.2	675.9	645.8
35°	1127.3	1102.7	1051.8	967.3	918.7	876.0	844.5	808.9	777.4	730.9	685.1
37.5°	1264.8	1207.7	1145.8	1099.0	1043.9	994.3	941.6	901.3	846.9	784.3	719.3
40°	1465.6	1383.9	1309.3	1246.4	1175.2	1123.2	1064.4	1005.9	933.8	843.1	753.8
42.5°	1675.3	1590.8	1492.3	1410.6	1326.8	1265.9	1193.0	1110.9	1004.9	892.7	783.6
45°	1895.2	1782.3	1664.3	1564.5	1477.2	1401.7	1311.4	1202.6	1073.3	937.2	811.3
47.5°	2112.1	1982.4	1841.9	1734.5	1620.9	1528.6	1417.7	1280.2	1126.7	979.2	839.0
50°	2303.3	2178.4	2009.1	1872.6	1757.7	1643.8	1505.6	1340.1	1168.7	1015.5	864.0
52.5°	2468.1	2360.7	2182.5	2010.1	1877.8	1749.9	1576.4	1388.3	1211.1	1049.0	884.5
55°	2589.2	2517.7	2353.5	2139.8	1983.5	1830.9	1636.3	1434.8	1251.2	1075.7	897.8
57.5°	2680.5	2640.9	2499.9	2261.9	2080.6	1909.6	1698.2	1490.6	1290.8	1098.6	904.0
60°	2730.5	2741.4	2610.8	2368.6	2166.5	1975.3	1760.1	1538.1	1320.3	1112.0	900.6
62.5°	2725.7	2792.7	2693.9	2434.3	2216.4	2014.2	1801.8	1560.4	1316.2	1090.8	869.5
63°	2716.4	2794.4	2703.1	2438.7	2219.5	2015.6	1802.9	1557.3	1307.6	1080.5	857.1
65°	2636.7	2755.1	2695.2	2418.5	2192.1	1990.0	1781.3	1512.8	1247.4	1025.4	793.9
67.5°	2423.3	2571.4	2554.3	2275.9	2062.5	1883.9	1671.2	1369.5	1098.6	890.0	672.8
70°	2070.7	2209.9	2213.0	1979.4	1801.2	1626.0	1449.2	1114.4	870.8	689.9	501.8
72.5°	1587.0	1676.7	1707.8	1553.9	1434.5	1311.4	1152.7	808.9	620.8	469.3	326.6
75°	1228.9	1204.3	1204.0	1139.0	1090.4	1030.2	855.8	545.9	407.7	305.1	199.7
77.5°	1104.8	995.3	889.3	811.3	772.3	752.1	561.3	329.0	240.5	175.5	114.9
80°	911.2	749.7	605.7	521.6	488.1	511.3	313.0	177.9	131.7	99.9	74.6
82.5°	628.3	521.6	396.4	328.4	281.8	294.8	160.1	91.0	60.9	55.8	46.2
85°	327.3	287.0	242.2	208.0	183.7	161.4	83.1	43.4	25.3	22.2	20.2
87.5°	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8
2.5°	361.9	361.5	362.2	362.6	363.6	364.3	364.6	363.9	365.0	366.0	365.3
5°	371.5	373.8	374.2	375.2	375.2	377.3	377.3	377.3	376.9	377.3	376.6
7.5°	379.7	382.7	383.1	384.4	384.8	387.2	386.2	386.8	386.8	385.1	384.4
10°	380.7	383.8	385.5	387.2	389.6	392.7	392.7	394.4	394.4	393.0	392.7
12.5°	381.0	383.4	385.1	387.5	390.9	395.4	397.8	400.2	401.2	400.9	399.8
15°	388.2	388.2	388.6	390.6	393.0	398.5	401.9	404.6	406.3	405.7	403.9
17.5°	407.0	404.3	402.2	398.8	399.5	402.2	404.3	406.7	407.0	406.3	403.6
20°	428.9	425.5	420.4	414.9	412.2	410.1	408.7	408.7	407.7	404.3	399.8
22.5°	460.0	455.6	448.4	440.2	434.7	428.2	420.4	412.8	404.6	396.4	386.8
25°	503.1	497.0	489.5	476.8	465.2	451.5	435.4	418.7	399.2	382.1	368.0
27.5°	546.6	532.9	513.4	496.0	474.4	453.9	431.0	410.4	385.5	365.0	349.6
30°	582.5	556.5	528.4	500.7	472.4	444.6	417.3	392.7	365.3	344.4	329.4
32.5°	610.2	574.3	535.3	499.0	464.1	430.3	398.8	371.5	343.7	322.2	306.1
35°	635.8	585.9	536.3	491.5	448.4	413.2	377.6	347.8	318.4	295.9	278.4
37.5°	655.0	591.4	530.2	477.5	427.9	388.6	352.3	321.9	291.8	267.1	247.3
40°	667.3	588.0	516.8	457.3	403.6	362.2	325.3	293.8	264.7	237.7	213.8
42.5°	677.2	583.5	503.5	438.8	384.4	339.3	301.3	267.5	238.1	208.6	182.3
45°	691.9	586.9	497.7	425.8	367.3	319.8	278.1	242.8	212.1	183.3	158.0
47.5°	706.3	588.6	489.1	409.8	345.8	299.6	257.2	223.0	191.5	165.2	141.9
50°	719.3	587.6	475.8	389.2	324.9	279.4	238.4	204.2	173.1	148.8	126.9
52.5°	725.5	581.8	459.4	369.4	308.2	261.7	219.9	186.8	156.0	133.1	112.9
55°	724.8	566.8	437.8	350.6	289.7	242.8	201.8	169.0	141.3	120.1	102.6
57.5°	714.5	543.5	414.9	329.7	265.4	219.6	180.6	148.8	125.5	107.7	93.0
60°	693.0	513.7	384.8	299.3	235.0	190.9	154.3	126.9	108.1	94.4	84.8
62.5°	652.6	471.0	347.2	256.9	193.9	153.6	121.8	104.0	90.0	81.7	77.3
63°	640.6	459.4	331.1	246.6	184.4	145.0	114.9	96.5	86.2	79.0	74.9
65°	581.1	402.2	277.0	199.1	143.3	111.8	92.3	78.3	72.2	69.1	68.7
67.5°	470.6	316.4	196.0	136.5	97.5	80.7	70.8	65.0	62.3	61.6	62.3
70°	330.4	199.7	124.5	90.6	72.2	65.0	60.5	58.1	56.4	56.8	57.5
72.5°	210.7	119.7	85.5	68.7	60.9	57.1	55.1	54.4	54.0	53.7	53.7
75°	120.1	79.7	65.7	59.5	55.4	52.3	50.6	49.9	50.3	50.6	49.9
77.5°	79.4	65.7	58.5	54.4	50.6	47.2	46.2	45.8	46.5	47.2	47.2
80°	62.6	58.5	54.4	50.3	44.1	41.7	42.4	42.8	42.4	42.8	41.7
82.5°	44.1	43.4	44.5	42.8	36.6	34.5	33.9	34.2	33.5	33.5	32.8
85°	20.5	20.5	21.5	21.5	20.9	21.2	22.9	25.0	26.0	25.0	23.6
87.5°	0.0	0.0	0.0	0.0	0.0	3.1	6.2	8.9	9.6	12.0	11.6
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: P152922

CATALOG NUMBER: TLM-E01-LED-E1-SLL-7060

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8
2.5°	364.3	365.0	364.6	364.3	365.0	364.3	364.6	364.3	364.3	363.9	363.9
5°	375.9	376.9	374.9	374.5	373.8	372.1	372.1	371.5	371.5	370.1	369.1
7.5°	383.4	383.8	382.1	381.7	380.0	378.3	376.9	375.6	375.2	374.2	372.1
10°	390.6	389.9	388.6	386.8	385.1	382.7	381.0	379.3	379.0	377.3	374.9
12.5°	396.8	396.4	393.7	392.0	389.2	386.8	384.8	382.7	381.7	379.7	376.2
15°	400.9	398.8	395.4	392.3	389.2	386.5	384.1	381.7	380.7	378.3	374.9
17.5°	399.2	395.4	390.9	387.2	383.1	379.7	377.6	375.2	373.5	372.1	367.3
20°	393.0	387.5	380.7	376.2	370.8	366.3	365.0	362.6	361.2	356.1	349.9
22.5°	376.9	369.1	360.5	354.0	347.8	343.4	340.0	337.6	334.2	331.1	321.5
25°	356.7	347.8	339.0	331.1	322.9	316.0	309.9	304.1	302.4	295.9	286.6
27.5°	337.2	327.3	318.4	309.2	298.6	290.0	279.4	271.2	265.8	258.9	250.4
30°	316.4	306.5	294.5	282.2	269.9	260.6	248.7	238.7	231.9	224.7	216.9
32.5°	290.0	278.1	263.7	250.0	238.7	227.8	215.8	206.2	199.4	192.9	185.4
35°	259.9	244.2	228.8	213.8	201.8	192.6	182.0	174.8	170.0	164.2	156.3
37.5°	225.4	207.6	191.2	179.6	169.0	160.1	152.5	148.1	143.0	139.9	135.1
40°	190.5	173.1	157.0	146.4	137.5	132.4	128.3	127.2	123.8	119.7	116.6
42.5°	159.7	143.0	127.2	118.7	112.9	111.5	109.5	109.5	107.7	104.7	102.6
45°	138.9	121.4	107.7	101.6	98.5	98.2	97.1	97.1	96.8	95.4	93.0
47.5°	123.8	108.1	97.5	93.7	93.0	92.3	91.3	91.0	90.6	89.6	88.2
50°	110.1	96.8	90.0	88.2	88.6	87.6	86.5	85.5	85.2	84.1	82.8
52.5°	97.5	87.9	83.5	82.4	82.4	82.4	81.7	81.7	81.1	80.7	79.4
55°	90.3	83.1	80.7	80.4	80.0	79.7	79.0	79.0	78.3	78.0	76.3
57.5°	84.1	79.7	78.3	77.6	77.3	76.6	76.3	76.3	76.3	76.3	74.2
60°	79.4	77.3	77.0	76.3	75.9	74.6	73.9	73.5	73.9	74.2	72.2
62.5°	74.2	73.9	73.5	72.9	72.5	71.1	70.1	69.4	70.1	70.8	70.5
63°	72.9	72.5	72.5	72.2	71.8	70.1	69.1	68.4	69.1	69.8	69.8
65°	68.1	68.4	68.4	68.1	67.7	66.7	65.3	64.6	65.0	66.0	66.4
67.5°	62.9	63.3	62.9	63.3	62.9	62.3	61.2	60.5	60.2	60.5	60.9
70°	58.1	58.8	58.5	58.1	57.8	57.8	57.1	56.1	55.8	55.4	55.4
72.5°	54.0	54.0	53.4	53.4	53.0	53.0	52.3	51.3	51.0	51.0	50.3
75°	49.6	49.6	48.6	48.6	47.9	48.2	47.5	46.5	46.2	46.2	45.8
77.5°	46.9	45.8	44.1	43.8	43.4	43.4	43.1	42.1	41.7	41.7	41.4
80°	41.4	39.3	37.6	37.3	37.6	38.3	38.3	37.6	37.6	37.6	37.6
82.5°	32.2	31.5	30.4	29.8	29.8	30.8	32.2	32.8	33.5	34.2	34.2
85°	23.6	23.9	23.6	22.6	22.2	23.3	24.6	26.0	26.3	27.7	27.4
87.5°	12.7	13.0	12.0	11.6	12.7	13.3	14.7	15.0	15.7	16.1	16.4
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: P152922

CATALOG NUMBER: TLM-E01-LED-E1-SLL-7060

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8
2.5°	363.6	363.2	363.6	362.9	362.9	362.2	361.5	361.2	360.5	360.2	359.5
5°	369.7	368.7	367.7	367.3	366.0	364.6	363.6	361.9	360.5	358.1	357.4
7.5°	373.8	371.5	370.1	369.7	367.7	366.7	364.3	362.2	360.2	357.1	356.1
10°	375.6	373.2	370.8	369.7	367.3	365.6	363.2	360.2	358.5	355.4	354.7
12.5°	377.6	373.2	369.4	366.7	363.2	359.5	357.1	355.4	353.0	351.3	350.6
15°	373.8	368.0	362.2	357.1	351.6	347.5	345.1	342.4	339.6	338.6	338.6
17.5°	363.6	356.1	346.1	339.6	333.8	329.4	326.3	323.6	323.2	321.9	322.5
20°	342.4	332.5	322.9	318.1	314.7	311.9	308.9	307.5	306.5	304.4	303.7
22.5°	313.0	304.8	297.9	294.5	291.8	288.3	285.6	281.5	280.5	278.4	277.4
25°	280.5	274.0	268.2	265.8	264.1	259.3	257.6	252.1	248.3	245.9	247.3
27.5°	248.0	243.2	237.7	234.6	233.6	229.2	227.5	221.3	218.2	218.2	214.8
30°	214.5	210.0	206.6	203.2	202.5	197.0	192.6	190.2	186.8	185.4	183.0
32.5°	183.0	178.5	175.8	174.1	171.4	166.9	162.5	158.4	152.9	150.8	149.8
35°	153.9	150.5	147.1	145.7	141.9	137.2	131.7	128.3	121.8	119.4	118.3
37.5°	131.7	127.6	125.2	121.4	117.7	112.5	108.4	105.3	103.0	101.9	101.9
40°	113.9	110.8	108.1	105.0	101.9	99.2	97.1	96.5	96.1	96.1	96.8
42.5°	100.6	97.8	96.5	94.7	93.7	93.7	93.4	93.7	94.1	94.4	95.4
45°	91.7	90.0	89.3	88.9	89.6	90.3	90.6	91.3	92.7	93.4	93.7
47.5°	86.9	85.5	85.2	85.5	86.5	87.9	89.3	90.3	91.3	91.7	92.0
50°	82.1	80.4	79.7	80.4	81.7	83.8	84.8	86.5	87.2	87.9	87.2
52.5°	78.0	76.6	76.3	76.3	77.6	79.0	80.4	81.7	82.1	82.1	81.7
55°	74.6	73.5	72.5	73.2	74.2	75.6	77.6	78.7	79.4	79.7	79.7
57.5°	71.8	70.8	69.8	70.5	71.5	72.9	74.9	75.9	76.6	77.6	78.0
60°	69.8	68.4	67.4	68.4	69.4	71.5	73.2	74.2	75.9	76.3	76.3
62.5°	67.7	66.4	64.6	65.7	65.7	66.7	68.4	69.8	71.5	72.2	72.2
63°	67.4	66.0	64.3	65.0	65.0	65.7	67.0	68.4	70.5	71.1	70.8
65°	64.6	64.3	62.6	62.6	61.9	62.6	63.6	65.0	66.0	67.0	67.0
67.5°	60.2	59.9	59.5	59.5	59.5	60.2	60.9	61.9	62.9	63.6	63.3
70°	55.1	55.1	55.1	55.4	55.4	56.1	56.4	56.1	57.1	57.8	57.5
72.5°	50.6	50.3	49.9	50.6	50.3	50.3	51.0	50.6	51.6	51.6	52.0
75°	45.8	45.5	45.5	45.8	45.1	44.5	44.8	44.8	45.1	45.1	45.8
77.5°	41.7	41.7	41.7	41.4	40.7	40.4	40.0	40.0	40.0	40.0	40.4
80°	38.0	38.0	38.0	37.6	36.9	36.3	35.6	35.2	34.9	33.2	33.2
82.5°	34.2	34.2	34.2	34.2	33.9	33.2	32.2	29.4	28.0	26.7	27.0
85°	27.0	27.7	28.4	29.4	29.1	29.1	27.0	23.6	21.5	20.2	20.5
87.5°	17.4	15.4	15.4	15.0	14.4	13.7	13.7	11.6	9.6	8.6	8.9
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: P152922

CATALOG NUMBER: TLM-E01-LED-E1-SLL-7060

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8	358.8
2.5°	359.5	358.8	358.1	358.1	357.1	357.1	356.4	357.8	356.4	355.4	355.4
5°	356.7	356.1	354.0	353.7	352.3	352.3	352.3	351.6	351.6	350.9	350.6
7.5°	355.0	353.3	351.6	350.6	350.6	349.9	351.3	350.6	350.9	350.9	351.3
10°	353.7	352.3	351.6	351.3	351.3	352.3	353.3	353.7	353.3	353.7	353.7
12.5°	350.2	350.9	351.3	352.6	354.3	356.4	358.8	359.1	359.8	359.8	360.5
15°	339.3	341.0	343.1	346.5	350.9	355.4	359.8	363.6	367.0	368.7	370.1
17.5°	323.9	325.6	329.4	333.1	339.0	345.5	353.0	359.5	366.7	373.2	379.7
20°	303.0	305.8	306.8	313.6	320.5	329.4	338.3	348.5	360.8	373.2	385.8
22.5°	276.0	279.1	283.9	289.4	296.5	307.5	318.1	334.2	350.6	368.0	387.9
25°	245.9	249.3	253.4	259.3	266.4	278.1	293.5	310.6	330.7	353.7	378.3
27.5°	214.8	218.2	221.6	225.7	234.0	246.3	264.4	282.2	304.4	329.4	358.1
30°	183.7	184.0	186.1	191.2	199.7	215.8	229.2	251.4	274.7	301.0	334.2
32.5°	149.5	149.1	151.5	156.0	164.2	179.6	196.0	217.5	240.5	273.6	307.8
35°	119.0	119.0	123.5	127.9	137.2	148.1	162.5	181.6	208.6	239.4	273.6
37.5°	103.0	105.3	108.1	112.5	119.7	128.3	140.9	157.7	178.9	208.3	239.8
40°	97.8	99.2	101.6	105.7	111.8	119.7	128.9	141.6	158.0	181.6	210.4
42.5°	95.8	96.1	97.5	100.6	106.0	113.9	123.5	134.8	147.1	163.8	188.8
45°	93.7	93.4	94.1	96.5	100.9	109.8	120.7	133.1	145.4	159.4	179.9
47.5°	92.0	92.0	92.0	93.0	97.1	106.0	118.7	133.1	147.8	163.5	183.7
50°	87.2	86.9	86.9	87.6	90.6	100.2	115.3	132.7	151.9	172.4	195.3
52.5°	81.7	81.7	82.1	82.4	85.2	94.7	111.5	132.7	156.7	184.0	212.7
55°	80.0	80.4	80.7	80.4	82.4	90.6	107.4	130.7	158.7	193.2	231.6
57.5°	78.7	79.4	79.4	79.0	80.4	87.2	103.3	126.6	157.0	196.7	244.9
60°	76.6	76.6	76.6	75.6	76.3	82.4	97.1	120.1	151.5	193.6	246.9
62.5°	72.2	72.2	71.5	71.1	70.8	75.6	88.9	110.5	141.6	185.4	241.8
63°	71.1	70.8	70.8	69.8	69.8	74.2	87.2	109.1	138.9	183.3	239.8
65°	67.4	67.4	67.4	66.7	66.4	69.8	80.4	99.5	128.3	173.8	229.5
67.5°	63.3	63.6	62.9	62.6	62.3	64.3	72.5	87.6	111.8	153.6	210.4
70°	57.5	57.8	57.8	57.5	57.1	58.5	63.6	75.2	92.7	127.9	179.2
72.5°	52.3	53.0	53.0	53.7	53.7	54.7	56.8	62.6	74.2	99.9	140.9
75°	46.9	47.2	47.9	48.6	47.9	47.5	47.9	52.3	58.1	73.9	100.6
77.5°	42.1	43.1	43.1	42.8	41.7	41.0	41.0	43.1	47.9	56.1	71.8
80°	34.9	36.6	36.9	35.9	34.9	34.9	35.6	36.9	40.0	46.2	54.4
82.5°	28.0	29.8	30.1	30.4	30.1	31.1	31.1	31.5	33.2	38.0	44.5
85°	21.5	22.9	23.9	24.3	24.6	25.0	24.6	22.9	23.9	27.0	30.1
87.5°	9.6	9.9	9.2	9.6	9.2	9.6	9.9	8.2	7.9	10.6	10.9
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: P152922

CATALOG NUMBER: TLM-E01-LED-E1-SLL-7060

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	358.8	358.8	358.8	358.8	358.8	358.8	358.8
2.5°	355.0	355.0	355.4	354.7	354.7	355.0	354.0
5°	349.6	350.9	350.9	350.9	350.2	350.9	351.3
7.5°	350.9	352.0	352.6	352.6	352.3	353.7	354.7
10°	352.6	354.3	355.0	355.0	355.0	356.7	359.1
12.5°	359.1	360.5	361.5	361.5	362.2	364.3	367.0
15°	371.1	372.8	372.8	372.5	374.5	376.9	380.0
17.5°	384.4	389.2	391.6	391.3	393.0	396.1	399.5
20°	397.1	410.4	416.3	420.4	422.1	426.2	427.2
22.5°	407.7	429.9	446.0	459.7	466.2	470.3	475.1
25°	403.9	434.0	462.8	490.8	510.7	530.8	539.4
27.5°	388.6	426.2	463.8	504.8	540.8	576.7	602.7
30°	369.7	414.9	465.5	523.7	580.4	635.5	679.3
32.5°	348.2	404.3	469.3	541.1	615.7	687.8	751.1
35°	321.2	384.1	460.0	542.8	630.7	718.3	800.4
37.5°	287.0	356.7	438.5	530.5	631.4	731.6	829.8
40°	252.8	322.2	411.1	512.7	622.5	734.7	848.2
42.5°	228.8	291.4	383.4	490.1	608.1	729.9	857.1
45°	212.4	269.2	358.8	469.6	592.7	721.4	858.5
47.5°	211.0	259.6	342.7	454.6	580.4	713.8	858.5
50°	222.7	264.7	337.2	447.0	575.3	711.4	859.2
52.5°	244.6	285.3	347.2	452.9	579.4	714.5	862.3
55°	270.9	316.4	373.8	473.0	596.9	724.8	869.1
57.5°	294.8	352.3	419.3	512.0	628.7	750.8	888.3
60°	308.9	383.1	467.6	566.8	683.0	802.4	926.6
62.5°	310.6	400.2	510.3	626.3	749.1	861.6	987.8
63°	309.2	401.5	515.8	637.6	763.1	876.3	1009.0
65°	301.7	401.9	531.2	677.2	811.6	938.2	1068.2
67.5°	282.5	390.9	536.7	708.4	872.9	1019.6	1178.7
70°	249.3	359.8	520.6	709.0	896.5	1065.1	1248.4
72.5°	200.4	300.6	451.1	645.1	834.2	1020.3	1230.3
75°	146.7	221.0	341.0	499.7	680.6	849.3	1053.8
77.5°	97.5	143.0	229.8	356.1	488.1	611.2	758.6
80°	67.0	88.6	134.4	214.1	298.6	358.5	483.3
82.5°	49.3	58.5	74.6	109.5	143.7	176.8	252.4
85°	30.8	33.5	37.3	54.0	77.3	104.3	157.3
87.5°	8.2	8.6	7.9	10.6	16.8	16.1	17.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)