

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: P152920

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P152920
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
Description: TALON MEDIUM LED SITE LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

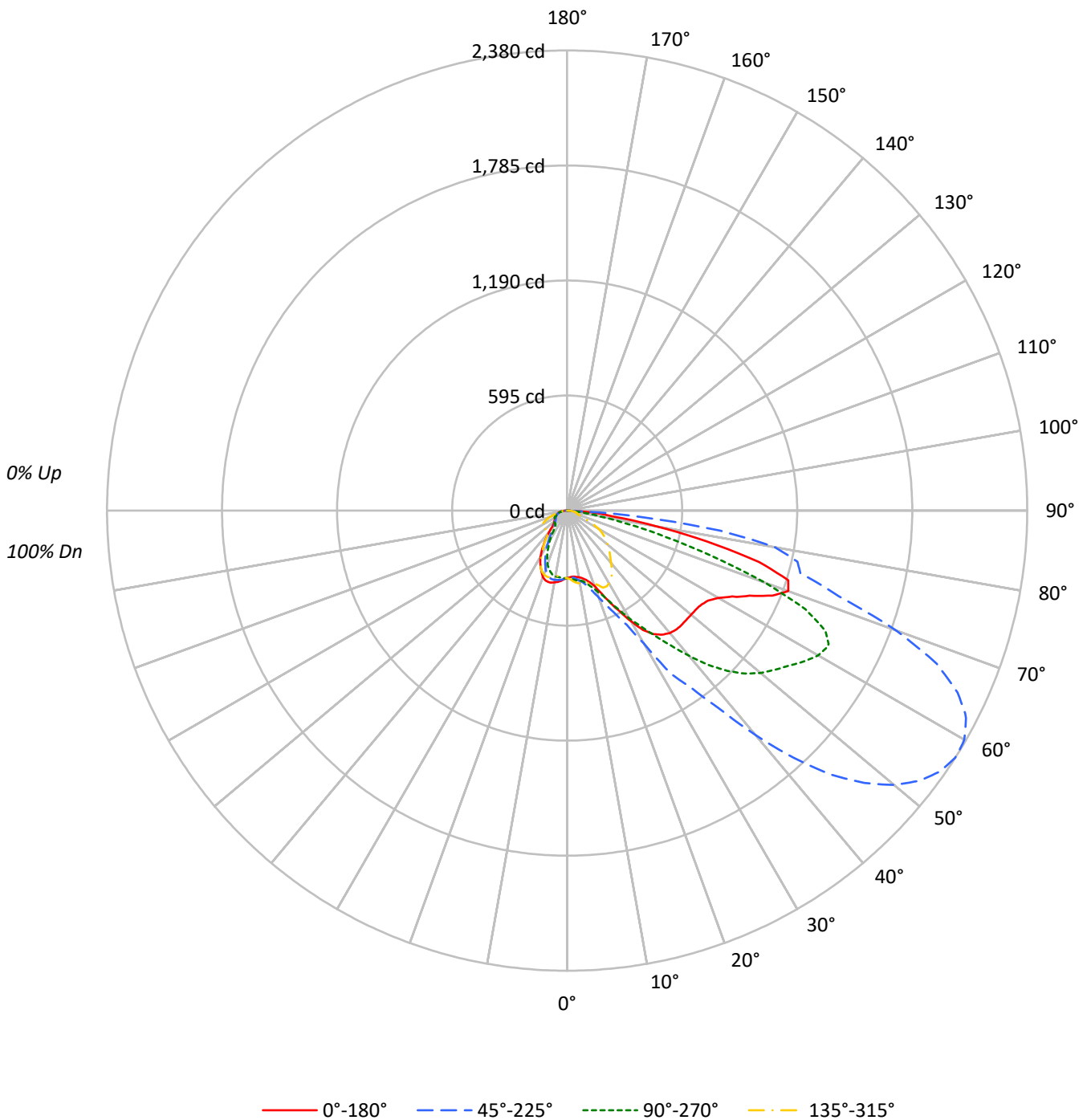
Lumens per Lamp: N/A
Luminaire Lumens: 2782.5 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Spacing Criteria (0/90/45): 1.93 / 2.48 / 2.44
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
CIE Type: Direct

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°	22142	22142	22142	22142
5°	21756	22710	23199	22138
10°	22503	23615	24239	22226
15°	24273	25519	25060	21632
20°	28051	29627	24709	19945
25°	36727	36280	22545	16837
30°	48400	47084	20106	13036
35°	60291	60932	16101	8912
40°	68331	81026	11795	7794
45°	74921	104946	8865	8175
50°	82477	128646	8471	8373
55°	93500	154358	8644	8577
60°	114351	189825	9409	9409
65°	155964	220881	9933	9783
70°	225244	201048	10497	10367
75°	251244	130148	11571	10935
80°	171740	63190	13236	11778
85°	111370	30730	15983	14530



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.0	1.2
10°-20°	106.0	3.8
20°-30°	188.3	6.8
30°-40°	296.6	10.7
40°-50°	436.5	15.7
50°-60°	579.7	20.8
60°-70°	638.6	23.0
70°-80°	400.7	14.4
80°-90°	102.0	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°	328.4	11.8
0°-40°	625.0	22.5
0°-60°	1641.2	59.0
0°-90°	2782.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2782.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	350	350	350	350	350	
5°	342	357	365	348	342	33
15°	370	389	382	330	370	107
25°	526	519	323	241	526	248
35°	780	788	208	115	780	483
45°	837	1172	99	91	837	647
55°	847	1398	78	78	847	768
65°	1041	1474	66	65	1041	1048
75°	1027	532	47	45	1027	1004
85°	153	42	22	20	153	177
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°	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7
2.5°	345.0	345.7	345.7	345.3	345.3	346.0	345.7	345.3	344.3	345.7	345.7
5°	342.3	343.0	343.0	343.7	344.3	345.0	345.0	345.7	345.3	346.7	347.7
7.5°	345.7	346.3	347.7	349.3	350.3	352.7	352.7	354.3	355.0	356.0	355.7
10°	350.0	351.7	354.7	357.3	359.3	362.0	364.0	366.3	366.3	367.3	368.0
12.5°	357.7	359.3	362.7	366.0	369.0	372.3	375.3	377.7	380.0	380.7	382.0
15°	370.3	372.3	377.3	382.0	385.7	390.0	394.0	398.7	403.0	404.0	404.7
17.5°	389.3	393.3	397.0	405.3	410.7	416.3	422.7	429.3	430.7	437.7	439.3
20°	416.3	421.3	424.7	435.0	444.0	451.3	460.7	468.3	471.3	478.0	484.7
22.5°	463.0	462.0	467.0	477.3	484.0	498.7	506.7	514.7	518.7	528.7	534.0
25°	525.7	531.0	542.0	543.0	549.3	566.3	576.7	584.7	585.0	588.0	593.7
27.5°	587.3	609.3	626.7	636.0	653.0	668.7	668.0	679.3	661.7	665.3	670.7
30°	662.0	698.7	731.3	753.3	770.7	789.0	798.0	804.3	796.7	793.3	787.0
32.5°	732.0	783.3	833.7	872.7	905.0	935.3	955.3	964.3	975.0	1002.0	1011.7
35°	780.0	852.7	915.3	971.7	1025.7	1074.0	1109.0	1129.0	1121.3	1117.7	1115.7
37.5°	808.7	897.3	975.7	1055.3	1117.3	1189.7	1244.0	1296.7	1308.7	1287.7	1277.3
40°	826.7	931.7	1032.3	1126.3	1206.7	1300.0	1367.3	1446.3	1506.3	1514.3	1489.7
42.5°	835.3	954.7	1072.0	1178.3	1287.0	1401.3	1486.7	1582.3	1672.0	1733.7	1718.3
45°	836.7	969.7	1101.0	1225.3	1354.7	1490.3	1600.3	1706.3	1826.3	1932.0	1935.0
47.5°	836.7	981.0	1121.0	1259.3	1415.3	1567.7	1687.7	1813.0	1960.0	2085.0	2123.3
50°	837.3	988.7	1139.7	1286.0	1461.7	1633.0	1768.7	1916.7	2071.3	2207.3	2281.3
52.5°	840.3	994.3	1154.3	1305.0	1491.7	1679.0	1831.7	2002.3	2156.3	2296.0	2391.7
55°	847.0	1002.3	1165.0	1316.7	1511.7	1709.0	1877.3	2061.0	2211.3	2353.0	2486.7
57.5°	865.7	1016.3	1178.0	1327.0	1522.7	1728.7	1909.3	2086.3	2232.3	2380.0	2537.0
60°	903.0	1046.0	1200.3	1347.7	1541.0	1765.0	1924.7	2069.3	2217.0	2372.0	2548.3
62.5°	962.7	1092.3	1231.3	1382.7	1593.3	1821.3	1913.0	2018.7	2156.7	2325.7	2508.0
63°	983.3	1102.3	1238.3	1390.3	1607.7	1831.7	1908.0	2003.7	2144.3	2311.0	2493.7
65°	1041.0	1146.7	1271.7	1429.0	1666.7	1842.0	1869.0	1925.7	2059.0	2227.3	2409.0
67.5°	1148.7	1254.3	1343.3	1494.3	1716.3	1801.3	1748.0	1755.0	1894.3	2068.7	2232.0
70°	1216.7	1342.7	1389.0	1502.7	1707.3	1741.0	1591.3	1498.7	1610.3	1809.0	1952.0
72.5°	1199.0	1343.7	1338.7	1391.7	1527.3	1558.7	1403.7	1257.7	1324.0	1472.3	1565.0
75°	1027.0	1200.0	1163.3	1152.7	1200.3	1221.0	1104.7	1082.3	1166.0	1248.3	1249.7
77.5°	739.3	929.7	886.7	825.0	821.7	869.3	885.0	1031.3	1155.0	1220.0	1191.3
80°	471.0	677.3	632.7	525.0	523.3	585.3	723.0	922.0	1053.0	1089.3	1014.7
82.5°	246.0	443.3	460.3	394.0	451.0	553.7	688.0	743.0	792.7	797.7	709.7
85°	153.3	272.7	320.7	331.0	407.3	491.0	490.0	470.7	448.7	384.0	347.3
87.5°	17.3	34.3	52.0	49.3	66.3	93.0	116.0	68.0	47.7	17.3	24.0
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7
2.5°	346.3	346.7	347.0	347.0	348.7	348.3	348.7	349.3	350.3	351.0	351.7
5°	349.0	349.0	350.3	351.3	353.3	354.7	355.3	357.3	359.7	359.0	361.0
7.5°	357.7	357.3	358.7	359.3	361.0	363.3	363.0	364.7	366.7	367.3	369.0
10°	369.3	368.3	368.3	367.7	368.0	367.3	367.3	367.3	368.7	368.3	369.7
12.5°	381.3	381.0	380.3	378.3	378.3	375.7	374.3	372.7	372.3	370.0	370.3
15°	406.0	406.0	404.7	400.7	397.3	395.0	391.7	389.3	386.0	381.7	379.3
17.5°	442.0	437.3	435.7	435.0	429.7	427.7	420.3	412.7	409.0	403.0	399.7
20°	486.0	485.0	478.3	475.0	468.3	459.0	449.7	439.7	433.7	426.3	422.3
22.5°	535.7	528.3	525.0	520.0	509.7	499.0	485.0	471.7	462.3	457.3	454.3
25°	593.7	586.3	583.0	576.3	563.7	552.3	535.0	519.3	511.0	502.7	498.0
27.5°	670.7	663.7	659.7	642.3	638.0	619.3	598.0	576.7	565.7	553.3	545.3
30°	785.7	786.0	765.3	744.3	722.7	690.3	668.0	644.0	626.0	608.3	590.7
32.5°	980.0	930.3	892.0	847.0	800.0	765.7	738.0	709.3	684.3	658.7	629.3
35°	1098.7	1074.7	1025.0	942.7	895.3	853.7	823.0	788.3	757.7	712.3	667.7
37.5°	1232.7	1177.0	1116.7	1071.0	1017.3	969.0	917.7	878.3	825.3	764.3	701.0
40°	1428.3	1348.7	1276.0	1214.7	1145.3	1094.7	1037.3	980.3	910.0	821.7	734.7
42.5°	1632.7	1550.3	1454.3	1374.7	1293.0	1233.7	1162.7	1082.7	979.3	870.0	763.7
45°	1847.0	1737.0	1622.0	1524.7	1439.7	1366.0	1278.0	1172.0	1046.0	913.3	790.7
47.5°	2058.3	1932.0	1795.0	1690.3	1579.7	1489.7	1381.7	1247.7	1098.0	954.3	817.7
50°	2244.7	2123.0	1958.0	1825.0	1713.0	1602.0	1467.3	1306.0	1139.0	989.7	842.0
52.5°	2405.3	2300.7	2127.0	1959.0	1830.0	1705.3	1536.3	1353.0	1180.3	1022.3	862.0
55°	2523.3	2453.7	2293.7	2085.3	1933.0	1784.3	1594.7	1398.3	1219.3	1048.3	875.0
57.5°	2612.3	2573.7	2436.3	2204.3	2027.7	1861.0	1655.0	1452.7	1258.0	1070.7	881.0
60°	2661.0	2671.7	2544.3	2308.3	2111.3	1925.0	1715.3	1499.0	1286.7	1083.7	877.7
62.5°	2656.3	2721.7	2625.3	2372.3	2160.0	1963.0	1756.0	1520.7	1282.7	1063.0	847.3
63°	2647.3	2723.3	2634.3	2376.7	2163.0	1964.3	1757.0	1517.7	1274.3	1053.0	835.3
65°	2569.7	2685.0	2626.7	2357.0	2136.3	1939.3	1736.0	1474.3	1215.7	999.3	773.7
67.5°	2361.7	2506.0	2489.3	2218.0	2010.0	1836.0	1628.7	1334.7	1070.7	867.3	655.7
70°	2018.0	2153.7	2156.7	1929.0	1755.3	1584.7	1412.3	1086.0	848.7	672.3	489.0
72.5°	1546.7	1634.0	1664.3	1514.3	1398.0	1278.0	1123.3	788.3	605.0	457.3	318.3
75°	1197.7	1173.7	1173.3	1110.0	1062.7	1004.0	834.0	532.0	397.3	297.3	194.7
77.5°	1076.7	970.0	866.7	790.7	752.7	733.0	547.0	320.7	234.3	171.0	112.0
80°	888.0	730.7	590.3	508.3	475.7	498.3	305.0	173.3	128.3	97.3	72.7
82.5°	612.3	508.3	386.3	320.0	274.7	287.3	156.0	88.7	59.3	54.3	45.0
85°	319.0	279.7	236.0	202.7	179.0	157.3	81.0	42.3	24.7	21.7	19.7
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°	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7
2.5°	352.7	352.3	353.0	353.3	354.3	355.0	355.3	354.7	355.7	356.7	356.0
5°	362.0	364.3	364.7	365.7	365.7	367.7	367.7	367.7	367.3	367.7	367.0
7.5°	370.0	373.0	373.3	374.7	375.0	377.3	376.3	377.0	377.0	375.3	374.7
10°	371.0	374.0	375.7	377.3	379.7	382.7	382.7	384.3	384.3	383.0	382.7
12.5°	371.3	373.7	375.3	377.7	381.0	385.3	387.7	390.0	391.0	390.7	389.7
15°	378.3	378.3	378.7	380.7	383.0	388.3	391.7	394.3	396.0	395.3	393.7
17.5°	396.7	394.0	392.0	388.7	389.3	392.0	394.0	396.3	396.7	396.0	393.3
20°	418.0	414.7	409.7	404.3	401.7	399.7	398.3	398.3	397.3	394.0	389.7
22.5°	448.3	444.0	437.0	429.0	423.7	417.3	409.7	402.3	394.3	386.3	377.0
25°	490.3	484.3	477.0	464.7	453.3	440.0	424.3	408.0	389.0	372.3	358.7
27.5°	532.7	519.3	500.3	483.3	462.3	442.3	420.0	400.0	375.7	355.7	340.7
30°	567.7	542.3	515.0	488.0	460.3	433.3	406.7	382.7	356.0	335.7	321.0
32.5°	594.7	559.7	521.7	486.3	452.3	419.3	388.7	362.0	335.0	314.0	298.3
35°	619.7	571.0	522.7	479.0	437.0	402.7	368.0	339.0	310.3	288.3	271.3
37.5°	638.3	576.3	516.7	465.3	417.0	378.7	343.3	313.7	284.3	260.3	241.0
40°	650.3	573.0	503.7	445.7	393.3	353.0	317.0	286.3	258.0	231.7	208.3
42.5°	660.0	568.7	490.7	427.7	374.7	330.7	293.7	260.7	232.0	203.3	177.7
45°	674.3	572.0	485.0	415.0	358.0	311.7	271.0	236.7	206.7	178.7	154.0
47.5°	688.3	573.7	476.7	399.3	337.0	292.0	250.7	217.3	186.7	161.0	138.3
50°	701.0	572.7	463.7	379.3	316.7	272.3	232.3	199.0	168.7	145.0	123.7
52.5°	707.0	567.0	447.7	360.0	300.3	255.0	214.3	182.0	152.0	129.7	110.0
55°	706.3	552.3	426.7	341.7	282.3	236.7	196.7	164.7	137.7	117.0	100.0
57.5°	696.3	529.7	404.3	321.3	258.7	214.0	176.0	145.0	122.3	105.0	90.7
60°	675.3	500.7	375.0	291.7	229.0	186.0	150.3	123.7	105.3	92.0	82.7
62.5°	636.0	459.0	338.3	250.3	189.0	149.7	118.7	101.3	87.7	79.7	75.3
63°	624.3	447.7	322.7	240.3	179.7	141.3	112.0	94.0	84.0	77.0	73.0
65°	566.3	392.0	270.0	194.0	139.7	109.0	90.0	76.3	70.3	67.3	67.0
67.5°	458.7	308.3	191.0	133.0	95.0	78.7	69.0	63.3	60.7	60.0	60.7
70°	322.0	194.7	121.3	88.3	70.3	63.3	59.0	56.7	55.0	55.3	56.0
72.5°	205.3	116.7	83.3	67.0	59.3	55.7	53.7	53.0	52.7	52.3	52.3
75°	117.0	77.7	64.0	58.0	54.0	51.0	49.3	48.7	49.0	49.3	48.7
77.5°	77.3	64.0	57.0	53.0	49.3	46.0	45.0	44.7	45.3	46.0	46.0
80°	61.0	57.0	53.0	49.0	43.0	40.7	41.3	41.7	41.3	41.7	40.7
82.5°	43.0	42.3	43.3	41.7	35.7	33.7	33.0	33.3	32.7	32.7	32.0
85°	20.0	20.0	21.0	21.0	20.3	20.7	22.3	24.3	25.3	24.3	23.0
87.5°	0.0	0.0	0.0	0.0	0.0	3.0	6.0	8.7	9.3	11.7	11.3
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: P152920

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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7
2.5°	355.0	355.7	355.3	355.0	355.7	355.0	355.3	355.0	355.0	354.7	354.7
5°	366.3	367.3	365.3	365.0	364.3	362.7	362.7	362.0	362.0	360.7	359.7
7.5°	373.7	374.0	372.3	372.0	370.3	368.7	367.3	366.0	365.7	364.7	362.7
10°	380.7	380.0	378.7	377.0	375.3	373.0	371.3	369.7	369.3	367.7	365.3
12.5°	386.7	386.3	383.7	382.0	379.3	377.0	375.0	373.0	372.0	370.0	366.7
15°	390.7	388.7	385.3	382.3	379.3	376.7	374.3	372.0	371.0	368.7	365.3
17.5°	389.0	385.3	381.0	377.3	373.3	370.0	368.0	365.7	364.0	362.7	358.0
20°	383.0	377.7	371.0	366.7	361.3	357.0	355.7	353.3	352.0	347.0	341.0
22.5°	367.3	359.7	351.3	345.0	339.0	334.7	331.3	329.0	325.7	322.7	313.3
25°	347.7	339.0	330.3	322.7	314.7	308.0	302.0	296.3	294.7	288.3	279.3
27.5°	328.7	319.0	310.3	301.3	291.0	282.7	272.3	264.3	259.0	252.3	244.0
30°	308.3	298.7	287.0	275.0	263.0	254.0	242.3	232.7	226.0	219.0	211.3
32.5°	282.7	271.0	257.0	243.7	232.7	222.0	210.3	201.0	194.3	188.0	180.7
35°	253.3	238.0	223.0	208.3	196.7	187.7	177.3	170.3	165.7	160.0	152.3
37.5°	219.7	202.3	186.3	175.0	164.7	156.0	148.7	144.3	139.3	136.3	131.7
40°	185.7	168.7	153.0	142.7	134.0	129.0	125.0	124.0	120.7	116.7	113.7
42.5°	155.7	139.3	124.0	115.7	110.0	108.7	106.7	106.7	105.0	102.0	100.0
45°	135.3	118.3	105.0	99.0	96.0	95.7	94.7	94.7	94.3	93.0	90.7
47.5°	120.7	105.3	95.0	91.3	90.7	90.0	89.0	88.7	88.3	87.3	86.0
50°	107.3	94.3	87.7	86.0	86.3	85.3	84.3	83.3	83.0	82.0	80.7
52.5°	95.0	85.7	81.3	80.3	80.3	80.3	79.7	79.7	79.0	78.7	77.3
55°	88.0	81.0	78.7	78.3	78.0	77.7	77.0	77.0	76.3	76.0	74.3
57.5°	82.0	77.7	76.3	75.7	75.3	74.7	74.3	74.3	74.3	74.3	72.3
60°	77.3	75.3	75.0	74.3	74.0	72.7	72.0	71.7	72.0	72.3	70.3
62.5°	72.3	72.0	71.7	71.0	70.7	69.3	68.3	67.7	68.3	69.0	68.7
63°	71.0	70.7	70.7	70.3	70.0	68.3	67.3	66.7	67.3	68.0	68.0
65°	66.3	66.7	66.7	66.3	66.0	65.0	63.7	63.0	63.3	64.3	64.7
67.5°	61.3	61.7	61.3	61.7	61.3	60.7	59.7	59.0	58.7	59.0	59.3
70°	56.7	57.3	57.0	56.7	56.3	56.3	55.7	54.7	54.3	54.0	54.0
72.5°	52.7	52.7	52.0	52.0	51.7	51.7	51.0	50.0	49.7	49.7	49.0
75°	48.3	48.3	47.3	47.3	46.7	47.0	46.3	45.3	45.0	45.0	44.7
77.5°	45.7	44.7	43.0	42.7	42.3	42.3	42.0	41.0	40.7	40.7	40.3
80°	40.3	38.3	36.7	36.3	36.7	37.3	37.3	36.7	36.7	36.7	36.7
82.5°	31.3	30.7	29.7	29.0	29.0	30.0	31.3	32.0	32.7	33.3	33.3
85°	23.0	23.3	23.0	22.0	21.7	22.7	24.0	25.3	25.7	27.0	26.7
87.5°	12.3	12.7	11.7	11.3	12.3	13.0	14.3	14.7	15.3	15.7	16.0
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: P152920

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

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7
2.5°	354.3	354.0	354.3	353.7	353.7	353.0	352.3	352.0	351.3	351.0	350.3
5°	360.3	359.3	358.3	358.0	356.7	355.3	354.3	352.7	351.3	349.0	348.3
7.5°	364.3	362.0	360.7	360.3	358.3	357.3	355.0	353.0	351.0	348.0	347.0
10°	366.0	363.7	361.3	360.3	358.0	356.3	354.0	351.0	349.3	346.3	345.7
12.5°	368.0	363.7	360.0	357.3	354.0	350.3	348.0	346.3	344.0	342.3	341.7
15°	364.3	358.7	353.0	348.0	342.7	338.7	336.3	333.7	331.0	330.0	330.0
17.5°	354.3	347.0	337.3	331.0	325.3	321.0	318.0	315.3	315.0	313.7	314.3
20°	333.7	324.0	314.7	310.0	306.7	304.0	301.0	299.7	298.7	296.7	296.0
22.5°	305.0	297.0	290.3	287.0	284.3	281.0	278.3	274.3	273.3	271.3	270.3
25°	273.3	267.0	261.3	259.0	257.3	252.7	251.0	245.7	242.0	239.7	241.0
27.5°	241.7	237.0	231.7	228.7	227.7	223.3	221.7	215.7	212.7	212.7	209.3
30°	209.0	204.7	201.3	198.0	197.3	192.0	187.7	185.3	182.0	180.7	178.3
32.5°	178.3	174.0	171.3	169.7	167.0	162.7	158.3	154.3	149.0	147.0	146.0
35°	150.0	146.7	143.3	142.0	138.3	133.7	128.3	125.0	118.7	116.3	115.3
37.5°	128.3	124.3	122.0	118.3	114.7	109.7	105.7	102.7	100.3	99.3	99.3
40°	111.0	108.0	105.3	102.3	99.3	96.7	94.7	94.0	93.7	93.7	94.3
42.5°	98.0	95.3	94.0	92.3	91.3	91.3	91.0	91.3	91.7	92.0	93.0
45°	89.3	87.7	87.0	86.7	87.3	88.0	88.3	89.0	90.3	91.0	91.3
47.5°	84.7	83.3	83.0	83.3	84.3	85.7	87.0	88.0	89.0	89.3	89.7
50°	80.0	78.3	77.7	78.3	79.7	81.7	82.7	84.3	85.0	85.7	85.0
52.5°	76.0	74.7	74.3	74.3	75.7	77.0	78.3	79.7	80.0	80.0	79.7
55°	72.7	71.7	70.7	71.3	72.3	73.7	75.7	76.7	77.3	77.7	77.7
57.5°	70.0	69.0	68.0	68.7	69.7	71.0	73.0	74.0	74.7	75.7	76.0
60°	68.0	66.7	65.7	66.7	67.7	69.7	71.3	72.3	74.0	74.3	74.3
62.5°	66.0	64.7	63.0	64.0	64.0	65.0	66.7	68.0	69.7	70.3	70.3
63°	65.7	64.3	62.7	63.3	63.3	64.0	65.3	66.7	68.7	69.3	69.0
65°	63.0	62.7	61.0	61.0	60.3	61.0	62.0	63.3	64.3	65.3	65.3
67.5°	58.7	58.3	58.0	58.0	58.0	58.7	59.3	60.3	61.3	62.0	61.7
70°	53.7	53.7	53.7	54.0	54.0	54.7	55.0	54.7	55.7	56.3	56.0
72.5°	49.3	49.0	48.7	49.3	49.0	49.0	49.7	49.3	50.3	50.3	50.7
75°	44.7	44.3	44.3	44.7	44.0	43.3	43.7	43.7	44.0	44.0	44.7
77.5°	40.7	40.7	40.7	40.3	39.7	39.3	39.0	39.0	39.0	39.0	39.3
80°	37.0	37.0	37.0	36.7	36.0	35.3	34.7	34.3	34.0	32.3	32.3
82.5°	33.3	33.3	33.3	33.3	33.0	32.3	31.3	28.7	27.3	26.0	26.3
85°	26.3	27.0	27.7	28.7	28.3	28.3	26.3	23.0	21.0	19.7	20.0
87.5°	17.0	15.0	15.0	14.7	14.0	13.3	13.3	11.3	9.3	8.3	8.7
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: P152920

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

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7	349.7
2.5°	350.3	349.7	349.0	349.0	348.0	348.0	347.3	348.7	347.3	346.3	346.3
5°	347.7	347.0	345.0	344.7	343.3	343.3	343.3	342.7	342.7	342.0	341.7
7.5°	346.0	344.3	342.7	341.7	341.7	341.0	342.3	341.7	342.0	342.0	342.3
10°	344.7	343.3	342.7	342.3	342.3	343.3	344.3	344.7	344.3	344.7	344.7
12.5°	341.3	342.0	342.3	343.7	345.3	347.3	349.7	350.0	350.7	350.7	351.3
15°	330.7	332.3	334.3	337.7	342.0	346.3	350.7	354.3	357.7	359.3	360.7
17.5°	315.7	317.3	321.0	324.7	330.3	336.7	344.0	350.3	357.3	363.7	370.0
20°	295.3	298.0	299.0	305.7	312.3	321.0	329.7	339.7	351.7	363.7	376.0
22.5°	269.0	272.0	276.7	282.0	289.0	299.7	310.0	325.7	341.7	358.7	378.0
25°	239.7	243.0	247.0	252.7	259.7	271.0	286.0	302.7	322.3	344.7	368.7
27.5°	209.3	212.7	216.0	220.0	228.0	240.0	257.7	275.0	296.7	321.0	349.0
30°	179.0	179.3	181.3	186.3	194.7	210.3	223.3	245.0	267.7	293.3	325.7
32.5°	145.7	145.3	147.7	152.0	160.0	175.0	191.0	212.0	234.3	266.7	300.0
35°	116.0	116.0	120.3	124.7	133.7	144.3	158.3	177.0	203.3	233.3	266.7
37.5°	100.3	102.7	105.3	109.7	116.7	125.0	137.3	153.7	174.3	203.0	233.7
40°	95.3	96.7	99.0	103.0	109.0	116.7	125.7	138.0	154.0	177.0	205.0
42.5°	93.3	93.7	95.0	98.0	103.3	111.0	120.3	131.3	143.3	159.7	184.0
45°	91.3	91.0	91.7	94.0	98.3	107.0	117.7	129.7	141.7	155.3	175.3
47.5°	89.7	89.7	89.7	90.7	94.7	103.3	115.7	129.7	144.0	159.3	179.0
50°	85.0	84.7	84.7	85.3	88.3	97.7	112.3	129.3	148.0	168.0	190.3
52.5°	79.7	79.7	80.0	80.3	83.0	92.3	108.7	129.3	152.7	179.3	207.3
55°	78.0	78.3	78.7	78.3	80.3	88.3	104.7	127.3	154.7	188.3	225.7
57.5°	76.7	77.3	77.3	77.0	78.3	85.0	100.7	123.3	153.0	191.7	238.7
60°	74.7	74.7	74.7	73.7	74.3	80.3	94.7	117.0	147.7	188.7	240.7
62.5°	70.3	70.3	69.7	69.3	69.0	73.7	86.7	107.7	138.0	180.7	235.7
63°	69.3	69.0	69.0	68.0	68.0	72.3	85.0	106.3	135.3	178.7	233.7
65°	65.7	65.7	65.7	65.0	64.7	68.0	78.3	97.0	125.0	169.3	223.7
67.5°	61.7	62.0	61.3	61.0	60.7	62.7	70.7	85.3	109.0	149.7	205.0
70°	56.0	56.3	56.3	56.0	55.7	57.0	62.0	73.3	90.3	124.7	174.7
72.5°	51.0	51.7	51.7	52.3	52.3	53.3	55.3	61.0	72.3	97.3	137.3
75°	45.7	46.0	46.7	47.3	46.7	46.3	46.7	51.0	56.7	72.0	98.0
77.5°	41.0	42.0	42.0	41.7	40.7	40.0	40.0	42.0	46.7	54.7	70.0
80°	34.0	35.7	36.0	35.0	34.0	34.0	34.7	36.0	39.0	45.0	53.0
82.5°	27.3	29.0	29.3	29.7	29.3	30.3	30.3	30.7	32.3	37.0	43.3
85°	21.0	22.3	23.3	23.7	24.0	24.3	24.0	22.3	23.3	26.3	29.3
87.5°	9.3	9.7	9.0	9.3	9.0	9.3	9.7	8.0	7.7	10.3	10.7
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: P152920

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

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	349.7	349.7	349.7	349.7	349.7	349.7	349.7
2.5°	346.0	346.0	346.3	345.7	345.7	346.0	345.0
5°	340.7	342.0	342.0	342.0	341.3	342.0	342.3
7.5°	342.0	343.0	343.7	343.7	343.3	344.7	345.7
10°	343.7	345.3	346.0	346.0	346.0	347.7	350.0
12.5°	350.0	351.3	352.3	352.3	353.0	355.0	357.7
15°	361.7	363.3	363.3	363.0	365.0	367.3	370.3
17.5°	374.7	379.3	381.7	381.3	383.0	386.0	389.3
20°	387.0	400.0	405.7	409.7	411.3	415.3	416.3
22.5°	397.3	419.0	434.7	448.0	454.3	458.3	463.0
25°	393.7	423.0	451.0	478.3	497.7	517.3	525.7
27.5°	378.7	415.3	452.0	492.0	527.0	562.0	587.3
30°	360.3	404.3	453.7	510.3	565.7	619.3	662.0
32.5°	339.3	394.0	457.3	527.3	600.0	670.3	732.0
35°	313.0	374.3	448.3	529.0	614.7	700.0	780.0
37.5°	279.7	347.7	427.3	517.0	615.3	713.0	808.7
40°	246.3	314.0	400.7	499.7	606.7	716.0	826.7
42.5°	223.0	284.0	373.7	477.7	592.7	711.3	835.3
45°	207.0	262.3	349.7	457.7	577.7	703.0	836.7
47.5°	205.7	253.0	334.0	443.0	565.7	695.7	836.7
50°	217.0	258.0	328.7	435.7	560.7	693.3	837.3
52.5°	238.3	278.0	338.3	441.3	564.7	696.3	840.3
55°	264.0	308.3	364.3	461.0	581.7	706.3	847.0
57.5°	287.3	343.3	408.7	499.0	612.7	731.7	865.7
60°	301.0	373.3	455.7	552.3	665.7	782.0	903.0
62.5°	302.7	390.0	497.3	610.3	730.0	839.7	962.7
63°	301.3	391.3	502.7	621.3	743.7	854.0	983.3
65°	294.0	391.7	517.7	660.0	791.0	914.3	1041.0
67.5°	275.3	381.0	523.0	690.3	850.7	993.7	1148.7
70°	243.0	350.7	507.3	691.0	873.7	1038.0	1216.7
72.5°	195.3	293.0	439.7	628.7	813.0	994.3	1199.0
75°	143.0	215.3	332.3	487.0	663.3	827.7	1027.0
77.5°	95.0	139.3	224.0	347.0	475.7	595.7	739.3
80°	65.3	86.3	131.0	208.7	291.0	349.3	471.0
82.5°	48.0	57.0	72.7	106.7	140.0	172.3	246.0
85°	30.0	32.7	36.3	52.7	75.3	101.7	153.3
87.5°	8.0	8.3	7.7	10.3	16.3	15.7	17.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)