

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: P154536

Luminaire Tested: **TLM-F01-LED-E1-T2-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P154536  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33671)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: TLM-F01-LED-E1-T2-7050  
Description: TALON MEDIUM LED SITE LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2  
Light Source: (7) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

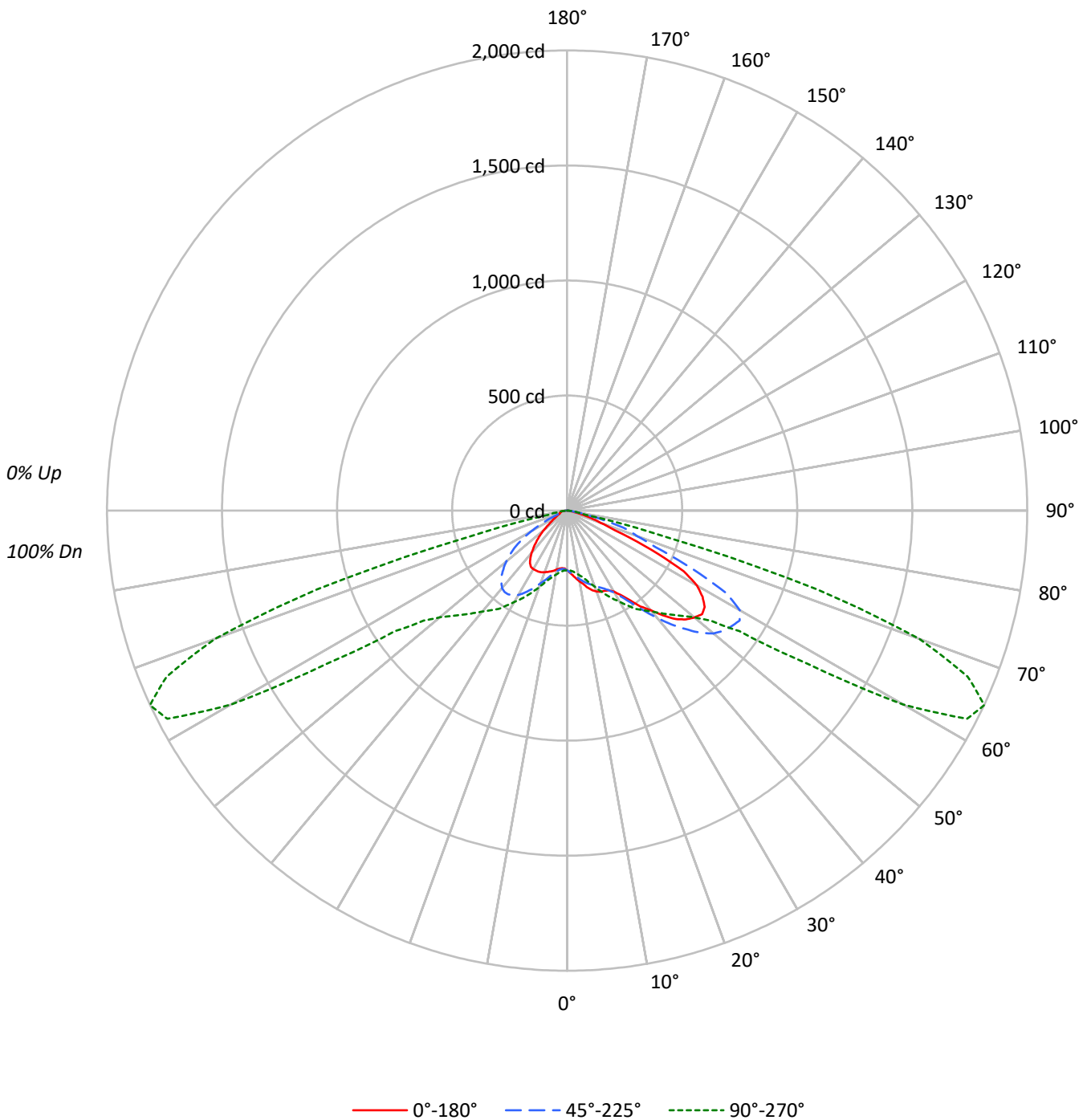
Lumens per Lamp: N/A  
Luminaire Lumens: 2595.3 lumens  
Efficiency: N/A  
Efficacy: 100.2 lumens/watt  
Spacing Criteria (0/90/45): 2.21 / 4.51 / 2.52  
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')  
CIE Type: Direct

Input Watts (W): 25.9  
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	107	101	96	91	104	98	94	90	94	90	87	90	87	84	86	84	81	79
2	94	84	76	69	91	82	75	68	78	72	66	75	70	65	72	67	63	61
3	84	71	61	53	81	69	60	53	66	58	51	63	56	50	60	54	50	47
4	75	60	50	42	72	59	49	41	56	48	41	54	46	40	51	45	39	37
5	67	52	42	34	65	51	41	33	49	40	33	46	39	33	44	38	32	30
6	61	46	35	28	59	45	35	27	43	34	27	41	33	27	39	32	27	24
7	56	40	30	23	54	40	30	23	38	29	23	36	28	23	35	28	22	20
8	52	36	26	20	50	35	26	20	34	26	19	33	25	19	31	24	19	17
9	48	33	23	17	46	32	23	17	31	23	17	30	22	17	28	22	17	15
10	45	30	21	15	43	29	21	15	28	20	15	27	20	15	26	19	15	13

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	16431	16431	16431
5°	17962	16837	15972
10°	20098	18208	16684
15°	22766	20340	17935
20°	25248	23819	19217
25°	26890	28308	20477
30°	29684	33464	21473
35°	36754	40379	21759
40°	46650	47353	19812
45°	59744	57290	16709
50°	71179	70982	13042
55°	80574	100897	9284
60°	82490	213138	7294
65°	60663	299672	6128
70°	28806	301498	6072
75°	15681	111971	7388
80°	7402	17903	9480
85°	3487	11043	11043



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.0	1.0
10°-20°	89.3	3.4
20°-30°	175.3	6.8
30°-40°	291.4	11.2
40°-50°	428.1	16.5
50°-60°	592.7	22.8
60°-70°	707.4	27.3
70°-80°	250.2	9.6
80°-90°	35.0	1.3
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°	290.6	11.2
0°-40°	581.9	22.4
0°-60°	1602.7	61.8
0°-90°	2595.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2595.3	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	260	260	260	260	260	
5°	283	277	265	255	251	28
15°	347	326	310	298	274	99
25°	385	373	405	381	293	179
35°	476	492	522	445	282	304
45°	667	728	640	403	187	511
55°	730	875	914	276	84	640
65°	405	603	2000	85	41	395
75°	64	182	458	34	30	79
85°	5	10	15	26	15	7
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°	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5
2.5°	270.8	271.1	270.5	270.2	269.4	268.0	266.8	265.7	265.7	265.7	264.9
5°	282.6	283.2	282.1	281.2	278.7	277.3	275.3	273.9	273.3	273.0	272.2
7.5°	297.6	296.8	295.1	294.5	292.5	289.4	285.7	282.9	282.9	282.6	282.9
10°	312.6	310.3	309.5	308.6	305.5	301.6	297.3	294.2	293.9	293.7	292.8
12.5°	327.5	326.7	325.8	322.7	319.6	313.4	308.6	305.5	305.2	305.5	304.4
15°	347.3	345.3	344.5	339.1	332.3	325.6	319.6	316.8	316.0	316.2	315.4
17.5°	362.5	362.5	360.6	354.6	345.9	336.6	330.4	328.7	328.4	328.4	328.7
20°	374.7	374.4	372.4	367.6	357.2	347.9	344.8	344.2	343.9	343.9	344.8
22.5°	381.5	380.9	380.1	374.7	366.5	360.3	360.6	362.3	362.8	363.4	364.5
25°	384.9	384.0	383.7	380.1	374.1	373.3	378.4	382.9	384.0	385.1	386.5
27.5°	390.5	389.1	389.7	388.2	386.8	389.4	399.8	404.6	405.5	406.9	407.7
30°	406.0	405.5	407.7	408.3	409.4	413.1	422.7	427.2	429.2	429.2	433.1
32.5°	435.7	436.0	436.5	442.5	444.4	447.0	452.1	455.7	456.0	456.3	460.0
35°	475.5	477.2	482.0	487.1	491.9	491.6	488.5	490.5	489.0	490.7	491.0
37.5°	525.8	523.5	530.6	542.1	549.5	547.5	533.7	524.6	527.2	526.0	525.2
40°	564.4	567.0	580.5	595.8	601.4	607.6	589.6	574.0	571.8	567.5	565.0
42.5°	617.8	618.1	629.1	640.4	656.8	670.3	658.7	636.4	629.7	624.6	613.6
45°	667.2	666.4	675.4	689.2	708.7	728.2	732.4	708.2	705.6	696.6	682.2
47.5°	700.2	699.1	705.3	723.4	755.0	786.9	804.4	797.1	792.3	788.6	766.0
50°	722.6	720.3	727.4	746.6	781.9	831.0	876.7	882.9	881.0	881.0	866.6
52.5°	739.2	739.2	744.3	759.8	795.7	857.0	938.8	970.2	972.7	975.5	974.7
55°	729.9	731.3	744.0	766.6	804.4	875.0	990.2	1058.8	1073.0	1084.8	1098.4
57.5°	698.0	702.8	719.7	756.7	806.7	888.6	1047.3	1183.1	1222.9	1257.3	1311.0
60°	651.4	657.6	682.2	729.3	790.0	866.6	1067.3	1288.1	1351.4	1426.5	1566.5
62.5°	571.5	577.7	601.7	648.9	700.8	782.1	984.3	1303.6	1404.7	1511.2	1723.0
65°	404.9	395.0	422.7	465.0	524.6	603.4	795.4	1199.5	1344.9	1489.2	1750.6
67.5°	225.6	224.8	241.7	273.3	330.4	415.1	548.1	919.9	1053.8	1217.2	1538.3
70°	155.6	157.3	168.0	202.2	249.3	322.5	390.5	577.7	674.0	785.0	1100.6
72.5°	109.3	112.9	118.9	139.2	187.5	271.6	399.0	345.3	393.3	469.0	661.8
75°	64.1	66.6	70.9	80.8	106.7	181.6	413.1	303.5	303.5	321.3	400.4
77.5°	39.5	39.5	42.1	46.0	56.8	88.9	294.2	341.1	331.5	321.3	322.2
80°	20.3	21.7	25.4	27.4	31.6	40.7	132.1	318.2	349.0	369.6	355.2
82.5°	9.3	10.4	15.5	16.7	18.4	21.5	45.5	181.0	242.5	319.3	399.0
85°	4.8	4.8	8.2	10.2	11.0	9.9	16.7	73.1	110.7	168.9	264.3
87.5°	0.8	0.8	1.4	1.7	2.5	2.3	2.8	4.2	7.1	7.6	7.9
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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**CANDELA DISTRIBUTION (continued):**

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5
2.5°	264.6	264.9	264.6	264.3	263.7	263.7	263.7	263.4	263.4	263.4	263.2
5°	272.2	271.1	271.3	270.8	270.5	270.2	270.5	269.9	269.4	269.7	269.4
7.5°	281.8	281.2	280.1	280.1	279.8	279.3	279.3	278.4	278.1	277.6	277.3
10°	292.5	291.1	291.7	291.1	291.4	290.3	289.7	289.1	288.6	288.6	288.9
12.5°	303.5	303.3	302.4	301.8	301.8	301.0	301.3	301.0	300.1	299.9	299.0
15°	314.8	314.8	314.0	314.3	314.0	313.4	312.9	312.9	312.3	311.7	312.0
17.5°	328.1	328.1	328.1	328.1	328.4	327.5	327.8	327.3	326.7	327.8	327.8
20°	345.3	346.5	346.5	346.2	347.6	346.7	346.5	347.9	346.5	348.4	348.1
22.5°	365.1	366.2	366.2	367.3	367.6	368.5	369.0	368.5	369.6	370.7	370.7
25°	387.1	388.2	389.1	390.8	391.6	391.1	391.3	392.8	393.3	394.5	395.6
27.5°	410.3	410.5	411.7	413.7	415.1	415.6	415.9	418.2	418.5	419.0	420.1
30°	432.9	435.7	435.1	437.7	438.5	439.3	441.0	441.9	443.9	445.0	445.0
32.5°	459.4	458.8	461.1	463.1	464.5	465.9	467.3	468.4	469.6	470.1	473.0
35°	492.4	493.6	493.6	493.8	497.2	497.5	498.6	501.2	502.0	503.7	504.9
37.5°	525.2	523.2	522.9	522.9	521.8	522.6	522.9	523.2	524.3	524.6	525.8
40°	561.9	559.4	557.1	555.7	553.4	550.3	549.8	548.3	549.2	548.9	549.2
42.5°	612.2	605.1	599.7	595.8	591.3	587.9	585.3	581.7	579.1	576.0	575.4
45°	676.2	663.0	653.9	647.4	641.0	631.6	626.3	620.6	615.5	610.5	606.2
47.5°	760.4	746.3	731.9	720.0	709.8	694.9	679.6	671.2	661.3	652.5	646.3
50°	859.5	842.6	835.8	819.1	806.4	783.8	764.9	751.1	731.3	718.0	706.5
52.5°	960.9	956.6	953.0	938.8	923.9	910.9	894.2	869.9	849.9	834.7	810.9
55°	1098.9	1100.9	1099.5	1091.9	1086.5	1074.1	1067.3	1046.1	1037.1	1015.1	990.2
57.5°	1331.3	1347.1	1367.2	1375.1	1385.8	1375.7	1387.5	1401.9	1366.1	1378.5	1356.2
60°	1628.1	1700.6	1743.8	1796.9	1831.7	1880.2	1889.0	1901.7	1898.0	1905.1	1919.5
62.5°	1809.4	1895.5	1978.2	2038.3	2102.7	2138.3	2181.2	2211.1	2242.2	2263.1	2257.2
65°	1862.7	1951.4	2026.5	2092.3	2149.9	2193.4	2233.2	2270.7	2299.2	2319.3	2331.2
67.5°	1666.8	1782.5	1861.6	1938.7	2012.9	2058.7	2092.0	2128.4	2170.2	2204.9	2211.7
70°	1254.2	1427.9	1540.0	1632.3	1719.6	1781.1	1827.7	1861.6	1894.1	1918.9	1946.0
72.5°	784.4	936.3	1064.5	1184.2	1276.8	1361.5	1400.8	1475.9	1466.0	1484.9	1505.3
75°	470.1	544.1	614.7	699.1	747.7	818.3	831.0	843.4	836.9	815.7	831.5
77.5°	326.7	338.8	338.3	333.5	328.4	316.0	299.9	291.1	285.2	276.7	280.1
80°	328.7	302.4	262.3	220.5	182.1	156.7	146.5	146.5	157.0	172.0	186.9
82.5°	392.8	364.8	325.3	272.2	215.7	175.6	148.8	138.1	140.0	155.3	174.5
85°	264.9	271.1	237.7	217.4	172.2	134.1	112.4	91.2	80.8	83.3	94.3
87.5°	9.6	11.6	4.2	5.6	4.0	3.4	3.4	3.7	2.5	3.1	2.8
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°	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5
2.5°	262.9	262.6	262.6	262.0	262.0	261.7	261.7	261.5	261.2	261.2	260.9
5°	269.1	268.8	268.2	268.0	267.4	267.4	267.1	266.5	266.5	266.0	265.7
7.5°	277.8	277.3	276.7	276.4	276.1	275.3	275.3	274.7	274.7	274.2	273.9
10°	288.3	287.7	287.2	287.4	286.6	286.3	285.7	285.7	284.9	284.6	284.6
12.5°	299.6	299.3	299.3	298.5	298.2	297.9	296.8	296.8	296.8	296.2	296.5
15°	311.7	312.0	311.2	312.0	311.7	310.9	310.9	310.9	309.7	311.2	310.0
17.5°	328.1	328.9	328.4	328.7	328.1	328.1	328.4	328.1	328.7	328.7	330.4
20°	348.4	348.7	350.1	349.6	349.6	349.3	349.8	350.1	351.3	350.7	351.8
22.5°	370.7	372.1	372.4	373.6	373.6	373.3	373.8	375.0	375.5	376.4	376.1
25°	396.1	397.0	398.1	396.7	399.0	399.0	399.5	400.9	401.2	401.2	403.2
27.5°	419.9	422.1	422.4	423.8	423.0	423.5	425.5	426.4	427.5	427.5	428.1
30°	446.7	447.5	448.1	449.8	449.5	449.8	450.1	451.5	451.5	452.9	454.3
32.5°	474.4	474.9	475.5	477.2	477.8	478.9	478.3	479.4	480.9	481.1	482.0
35°	507.4	508.0	508.5	511.1	511.4	513.3	513.9	513.3	515.6	514.2	515.6
37.5°	526.6	529.1	529.7	531.4	530.8	532.2	533.1	534.2	534.8	535.9	538.2
40°	550.0	550.9	552.6	553.4	554.6	554.8	556.0	556.8	557.7	560.2	562.7
42.5°	574.0	575.2	576.0	577.1	578.6	579.7	580.5	583.1	583.6	585.3	590.1
45°	603.1	602.6	602.8	603.1	603.7	605.1	607.6	610.2	611.9	615.8	619.8
47.5°	639.3	635.6	634.2	631.9	632.5	635.6	636.2	640.4	643.8	647.4	652.2
50°	694.0	684.2	678.2	672.3	671.7	673.4	675.7	680.2	684.2	689.0	695.7
52.5°	786.1	767.2	755.3	738.9	734.4	733.6	731.9	734.4	735.5	742.0	754.7
55°	972.4	937.4	914.8	889.4	865.7	858.7	845.1	847.9	845.1	849.1	868.0
57.5°	1361.5	1333.6	1311.6	1279.1	1238.4	1195.2	1184.5	1140.2	1148.9	1174.3	1158.0
60°	1926.5	1916.4	1900.6	1885.0	1829.4	1798.1	1747.0	1741.3	1705.4	1705.7	1682.3
62.5°	2242.8	2255.8	2246.2	2241.6	2238.5	2228.7	2203.2	2172.7	2127.0	2094.0	2045.4
65°	2333.1	2322.1	2311.7	2310.3	2309.4	2325.5	2329.2	2307.7	2266.2	2214.8	2158.9
67.5°	2227.8	2221.6	2222.2	2210.3	2217.6	2245.6	2265.1	2259.2	2221.0	2158.9	2087.8
70°	1977.1	1964.9	1977.4	1992.9	2003.9	2020.0	2039.5	2044.3	2009.5	1945.7	1873.2
72.5°	1480.4	1482.4	1494.2	1498.5	1542.8	1538.3	1555.8	1498.8	1473.6	1412.9	1375.7
75°	779.0	766.3	799.4	729.3	700.5	720.6	664.4	610.5	621.8	631.1	563.9
77.5°	275.3	257.5	227.3	215.2	179.0	151.6	124.0	111.8	105.3	101.9	97.7
80°	197.7	203.3	197.1	182.4	155.0	124.2	98.0	77.4	66.4	60.4	56.5
82.5°	199.9	222.2	232.1	227.9	203.0	153.6	101.4	64.7	48.0	40.1	37.3
85°	107.3	117.5	112.9	95.2	85.6	51.1	35.0	23.4	19.8	18.1	16.7
87.5°	4.2	3.4	2.8	2.8	3.1	3.4	2.8	3.1	2.8	2.8	2.8
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):**

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5	259.5
2.5°	260.3	260.3	260.3	260.1	259.5	258.1	256.7	255.5	254.7	253.8	252.7
5°	265.4	264.9	264.9	264.9	262.6	260.3	258.4	256.4	254.7	253.3	252.1
7.5°	273.9	273.6	272.5	272.2	270.5	266.8	264.6	261.2	259.2	257.2	256.7
10°	284.1	283.8	283.5	283.2	280.9	277.3	274.5	271.3	268.5	265.7	262.9
12.5°	295.9	295.6	295.3	294.5	293.7	291.7	288.6	285.2	281.8	275.9	272.8
15°	310.6	311.2	310.6	310.3	309.7	310.0	308.1	303.3	297.9	290.3	283.8
17.5°	330.1	329.5	329.2	330.4	330.1	331.5	330.9	324.7	316.5	304.4	293.1
20°	351.5	351.5	352.7	353.5	356.1	359.7	358.0	350.4	335.4	318.5	303.8
22.5°	377.2	377.8	378.9	378.4	382.3	388.2	388.8	378.1	358.6	335.2	314.5
25°	404.1	404.6	403.5	405.2	411.7	420.1	421.8	406.6	380.9	350.4	323.6
27.5°	429.5	430.0	430.0	432.3	438.5	452.9	454.6	437.7	403.5	363.7	330.1
30°	454.3	456.6	457.1	457.7	467.0	487.1	490.7	466.2	423.3	373.6	334.6
32.5°	485.7	486.5	487.6	489.0	499.8	524.3	524.3	490.7	436.0	379.8	335.4
35°	519.3	519.5	522.1	522.4	537.6	562.2	557.4	511.1	445.0	378.4	329.2
37.5°	539.6	540.7	543.3	546.6	562.7	597.5	586.5	528.6	446.7	369.0	315.1
40°	564.7	567.0	569.5	572.9	596.9	633.3	611.0	539.6	439.6	350.7	293.9
42.5°	591.8	594.9	598.9	605.1	633.6	665.0	629.7	541.3	423.5	330.1	268.8
45°	622.3	628.0	632.5	639.8	672.0	692.3	641.0	531.4	403.2	303.0	242.0
47.5°	657.6	662.1	670.0	677.9	710.1	711.0	642.1	512.2	375.5	275.9	213.5
50°	701.1	703.9	715.8	720.6	750.8	730.5	633.9	486.2	346.5	245.4	181.8
52.5°	759.0	762.9	778.2	785.5	807.0	757.0	622.3	458.0	313.1	211.2	149.4
55°	873.3	890.6	901.3	914.0	927.8	817.1	617.2	427.8	275.6	171.7	118.3
57.5°	1194.4	1188.7	1212.4	1241.2	1241.0	954.7	647.7	401.8	231.3	131.3	90.9
60°	1672.7	1678.1	1665.9	1683.1	1628.4	1125.2	689.5	374.4	181.3	97.7	69.5
62.5°	2028.2	1997.1	1979.9	1959.6	1839.0	1143.8	659.0	318.2	131.9	68.6	53.4
65°	2112.3	2075.9	2038.9	2000.2	1818.4	1031.2	540.7	233.5	85.3	47.2	42.4
67.5°	2029.3	1970.9	1923.7	1883.9	1666.2	854.7	395.3	143.4	48.8	38.1	36.1
70°	1814.2	1749.5	1673.3	1628.6	1403.0	629.9	253.3	77.4	37.6	33.9	33.0
72.5°	1327.9	1274.8	1191.6	1140.4	1007.5	382.9	141.5	43.5	35.0	32.5	31.3
75°	517.3	489.6	454.9	457.7	408.6	169.4	64.1	37.6	34.2	31.9	30.8
77.5°	88.9	86.7	80.2	80.2	91.2	61.8	42.6	37.8	33.9	31.3	29.4
80°	53.4	52.2	49.7	49.1	47.4	43.5	40.9	38.4	33.3	29.6	27.1
82.5°	35.0	33.6	32.8	32.5	35.3	38.1	38.4	38.1	31.6	25.7	22.0
85°	15.0	15.0	15.0	15.2	20.3	30.8	31.6	33.9	26.0	20.0	15.8
87.5°	2.5	3.1	3.1	3.4	3.7	6.8	8.5	11.0	8.8	8.5	7.6
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: P154536

CATALOG NUMBER: TLM-F01-LED-E1-T2-7050

**CANDELA DISTRIBUTION (continued):**

	165°	175°	180°
0°	259.5	259.5	259.5
2.5°	252.4	251.9	251.9
5°	251.6	251.0	251.3
7.5°	255.0	253.8	254.1
10°	261.2	260.1	259.5
12.5°	269.1	267.7	267.7
15°	277.3	273.9	273.6
17.5°	284.1	279.8	279.3
20°	291.7	286.0	285.2
22.5°	298.7	291.1	290.0
25°	303.8	294.5	293.1
27.5°	306.1	295.1	293.9
30°	307.8	295.3	293.7
32.5°	306.1	292.8	291.4
35°	296.8	282.4	281.5
37.5°	280.7	264.6	263.4
40°	259.5	242.5	239.7
42.5°	232.4	216.6	213.5
45°	206.1	188.1	186.6
47.5°	177.9	160.7	161.5
50°	148.2	132.7	132.4
52.5°	120.0	106.4	105.6
55°	94.6	85.0	84.1
57.5°	74.8	69.7	68.9
60°	61.0	58.4	57.6
62.5°	49.1	48.3	48.0
65°	40.9	40.9	40.9
67.5°	35.6	35.9	35.9
70°	32.8	33.0	32.8
72.5°	31.6	32.5	32.5
75°	30.8	31.3	30.2
77.5°	30.2	30.5	28.5
80°	29.9	29.6	26.0
82.5°	26.0	25.1	22.0
85°	23.7	18.1	15.2
87.5°	12.1	8.5	6.5
90°	0.0	0.0	0.0

(END OF REPORT)