

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: P153501

Luminaire Tested: **TLM-E02-LED-E1-SLR-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P153501  
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-E02-LED-E1-SLR-7050  
Description: TALON MEDIUM LED SITE LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (42) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

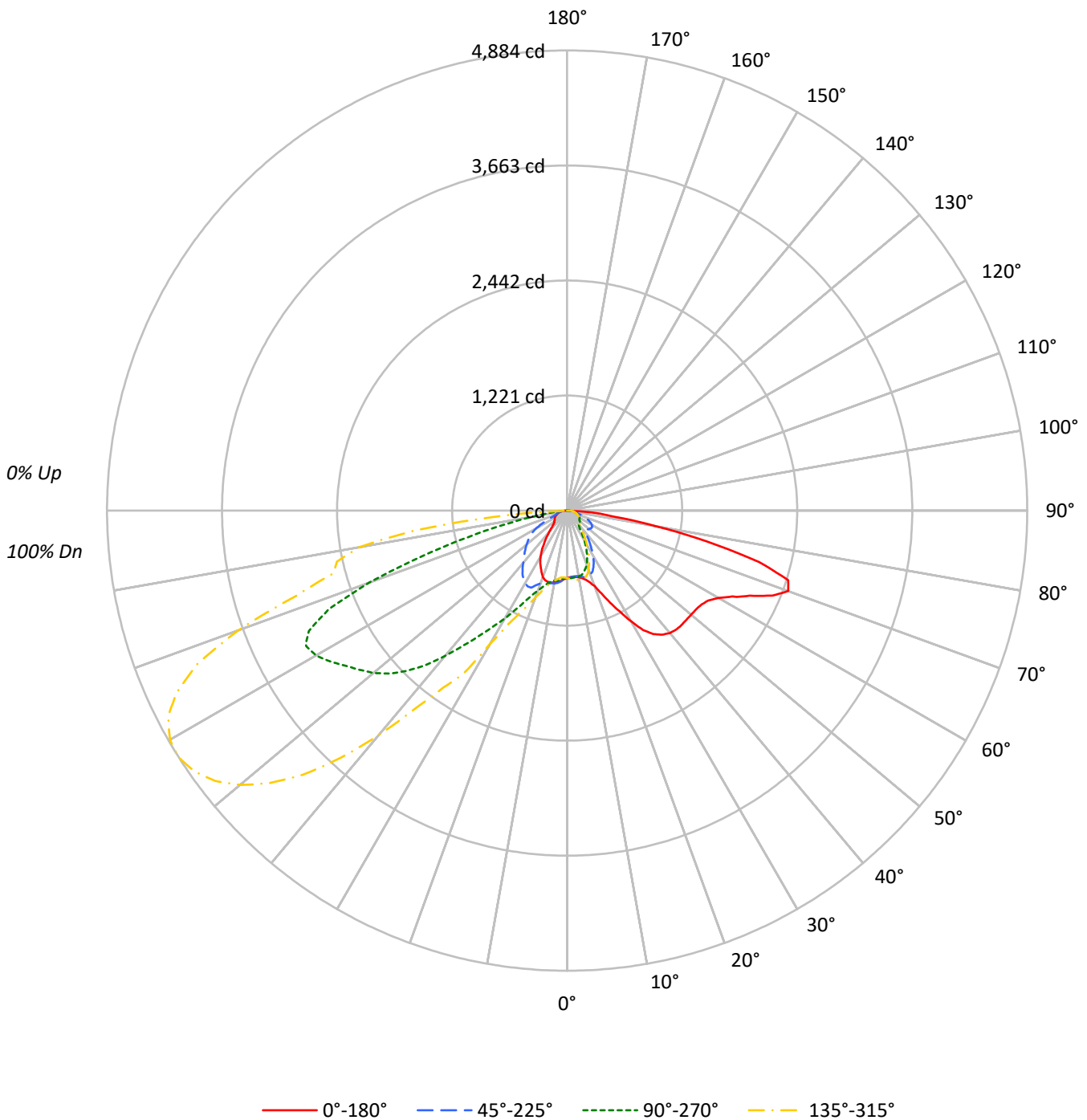
Lumens per Lamp: N/A  
Luminaire Lumens: 5710.2 lumens  
Efficiency: N/A  
Efficacy: 109.6 lumens/watt  
Spacing Criteria (0/90/45): 1.93 / 2.48 / 2.48  
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')  
CIE Type: Direct

Input Watts (W): 52.1  
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	105	99	93	88	102	97	91	87	92	88	84	88	85	81	84	82	79	77					77			
2	93	82	73	66	90	80	72	65	76	70	64	73	67	62	70	65	61	58					58			
3	82	69	59	51	80	68	58	50	64	56	49	61	54	48	59	53	47	45					45			
4	74	59	48	40	71	58	48	40	55	46	39	52	45	39	50	44	38	35					35			
5	67	51	41	33	64	50	40	32	48	39	32	46	38	32	44	37	31	29					29			
6	61	45	35	27	59	44	34	27	42	33	27	40	32	26	39	32	26	24					24			
7	56	40	30	23	54	39	30	23	38	29	23	36	28	22	35	27	22	20					20			
8	52	36	26	20	50	35	26	20	34	25	19	33	25	19	31	24	19	17					17			
9	48	33	23	17	46	32	23	17	31	23	17	30	22	17	29	22	17	15					15			
10	45	30	21	15	43	29	21	15	28	20	15	27	20	15	26	20	15	13					13			

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

	0°	90°	180°	270°
0°	23407	23407	23407	23407
5°	23002	23408	24527	24010
10°	23791	23496	25626	24967
15°	25664	22868	26495	26981
20°	29657	21087	26120	31320
25°	38826	17801	23833	38358
30°	51170	13785	21258	49777
35°	63738	9425	17023	64419
40°	72236	8243	12467	85666
45°	79203	8645	9373	110949
50°	87199	8850	8956	136005
55°	98847	9065	9144	163193
60°	120889	9948	9948	200685
65°	164889	10350	10504	233518
70°	238125	10958	11091	212548
75°	265612	11557	12237	137595
80°	181565	12473	14013	66814
85°	117776	15344	16879	32522



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.9	1.2
10°-20°	217.6	3.8
20°-30°	386.5	6.8
30°-40°	608.6	10.7
40°-50°	895.7	15.7
50°-60°	1189.8	20.8
60°-70°	1310.5	23.0
70°-80°	822.2	14.4
80°-90°	209.4	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°	673.9	11.8
0°-40°	1282.5	22.5
0°-60°	3368.0	59.0
0°-90°	5710.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5710.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	718	718	718	718	718	
5°	702	715	749	733	702	68
15°	760	677	785	799	760	220
25°	1079	495	662	1066	1079	509
35°	1601	237	428	1618	1601	992
45°	1717	187	203	2405	1717	1328
55°	1738	159	161	2870	1738	1577
65°	2136	134	136	3026	2136	2151
75°	2108	92	97	1092	2108	2061
85°	315	41	45	87	315	364
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°	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6
2.5°	708.0	710.1	709.4	709.4	710.7	710.1	710.1	710.7	710.7	712.8	715.5
5°	702.5	701.9	700.5	701.9	701.9	701.9	699.1	701.2	701.9	703.2	703.2
7.5°	709.4	707.3	704.6	705.3	705.3	703.9	701.9	702.5	701.9	701.9	701.2
10°	718.3	713.5	710.1	710.1	710.1	708.7	705.3	707.3	707.3	706.6	707.3
12.5°	734.0	728.5	724.4	723.1	723.1	721.0	718.3	721.0	719.6	719.6	718.3
15°	760.0	753.8	749.1	745.0	745.6	745.6	742.2	740.2	737.4	734.0	727.2
17.5°	799.0	792.2	786.0	782.6	783.3	778.5	768.9	759.3	746.3	733.3	719.0
20°	854.4	852.4	844.1	840.7	832.5	820.9	794.2	771.6	746.3	721.7	697.1
22.5°	950.2	940.6	932.4	919.4	892.0	859.9	815.4	775.7	736.1	701.2	668.3
25°	1078.8	1061.7	1021.3	981.6	925.5	868.1	807.9	756.6	707.3	661.5	621.1
27.5°	1205.3	1153.3	1081.5	1009.7	927.6	852.4	777.1	716.2	658.8	608.8	564.4
30°	1358.6	1271.0	1160.9	1047.3	931.0	829.8	739.5	668.3	602.0	549.3	502.8
32.5°	1502.2	1375.7	1231.3	1082.2	938.5	808.6	696.4	615.7	547.3	480.9	435.1
35°	1600.7	1436.5	1261.4	1085.6	920.1	768.2	642.3	547.3	478.8	417.3	363.2
37.5°	1659.6	1463.2	1262.8	1061.0	877.0	713.5	573.9	479.5	416.6	357.8	315.4
40°	1696.5	1469.4	1245.0	1025.4	822.3	644.4	505.5	420.7	363.2	316.0	283.2
42.5°	1714.3	1459.8	1216.3	980.3	766.8	582.8	457.6	377.6	327.7	294.2	269.5
45°	1717.0	1442.7	1185.5	939.2	717.6	538.4	424.8	359.8	318.8	290.7	266.1
47.5°	1717.0	1427.7	1160.9	909.1	685.4	519.2	422.1	367.3	327.0	295.5	266.1
50°	1718.4	1422.9	1150.6	894.1	674.5	529.5	445.3	390.6	344.8	303.7	265.4
52.5°	1724.5	1429.0	1158.8	905.7	694.3	570.5	489.1	425.5	368.0	313.3	265.4
55°	1738.2	1449.5	1193.7	946.1	747.7	632.8	541.8	463.1	386.5	317.4	261.3
57.5°	1776.5	1501.5	1257.3	1024.1	838.7	704.6	589.7	489.8	393.3	314.0	253.1
60°	1853.1	1604.8	1366.1	1133.5	935.1	766.2	617.7	493.9	387.2	303.0	240.1
62.5°	1975.6	1723.2	1498.1	1252.5	1020.6	800.4	621.1	483.6	370.8	283.2	221.0
63°	2018.0	1752.6	1526.2	1275.1	1031.6	803.1	618.4	479.5	366.7	277.7	218.2
65°	2136.4	1876.4	1623.3	1354.5	1062.4	803.8	603.4	459.0	347.5	256.5	199.1
67.5°	2357.3	2039.2	1745.7	1416.7	1073.3	781.9	565.0	420.7	307.1	223.7	175.1
70°	2496.9	2130.2	1792.9	1418.1	1041.2	719.6	498.7	358.5	255.8	185.4	150.5
72.5°	2460.6	2040.6	1668.4	1290.2	902.3	601.3	400.9	281.8	199.7	148.4	125.2
75°	2107.6	1698.5	1361.3	999.4	682.0	441.9	293.5	201.1	147.8	116.3	104.7
77.5°	1517.3	1222.4	976.2	712.1	459.7	285.9	195.0	143.7	112.2	95.8	86.2
80°	966.6	716.9	597.2	428.2	268.8	177.2	134.1	108.8	92.3	80.0	73.9
82.5°	504.8	353.7	287.3	218.9	149.1	117.0	98.5	88.9	75.9	66.4	62.9
85°	314.7	208.6	154.6	108.1	74.6	67.0	61.6	60.2	54.0	47.9	45.8
87.5°	35.6	32.2	33.5	21.2	15.7	17.1	16.4	21.9	21.2	15.7	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



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6
2.5°	712.8	714.2	714.2	716.2	716.2	717.6	719.0	719.0	720.3	721.0	722.4
5°	704.6	704.6	704.6	707.3	708.0	712.1	713.5	714.9	716.2	721.0	723.7
7.5°	702.5	699.8	701.2	701.2	703.2	706.6	710.1	712.1	714.2	720.3	724.4
10°	706.6	704.6	702.5	702.5	703.2	704.6	707.3	709.4	710.7	716.9	720.3
12.5°	717.6	712.8	708.7	705.3	702.5	701.9	700.5	701.2	702.5	706.0	710.7
15°	719.6	710.7	701.9	693.0	686.1	682.0	678.6	677.2	677.2	679.3	684.8
17.5°	706.0	690.9	677.9	666.3	658.8	651.2	647.8	645.1	643.7	646.4	647.1
20°	676.5	658.8	641.0	627.3	613.6	611.6	606.1	607.5	608.8	612.9	615.0
22.5°	636.2	615.0	593.1	578.7	567.8	558.2	552.0	554.8	556.8	560.9	563.0
25°	586.9	556.1	532.9	518.5	506.9	498.7	491.8	494.6	491.8	496.6	504.2
27.5°	528.8	492.5	467.9	451.5	443.3	436.4	429.6	429.6	436.4	436.4	442.6
30°	458.3	431.6	399.5	382.4	372.1	368.0	367.3	366.0	370.8	373.5	380.3
32.5°	392.0	359.1	328.4	311.9	303.0	298.3	298.9	299.6	301.7	305.8	316.7
35°	324.9	296.2	274.3	255.8	246.9	238.1	238.1	236.7	238.7	243.5	256.5
37.5°	281.8	256.5	239.4	225.1	216.2	210.7	205.9	203.9	203.9	205.9	210.7
40°	257.9	239.4	223.7	211.4	203.2	198.4	195.6	193.6	192.2	192.2	192.9
42.5°	246.9	227.8	212.1	201.1	195.0	192.2	191.5	190.9	188.8	188.1	187.4
45°	241.5	219.6	201.8	192.9	188.1	186.8	187.4	187.4	186.8	185.4	182.6
47.5°	237.4	212.1	194.3	186.1	184.0	184.0	184.0	184.0	183.3	182.6	180.6
50°	230.5	200.4	181.3	175.1	173.8	173.8	174.4	174.4	175.8	174.4	173.1
52.5°	223.0	189.5	170.3	164.9	164.2	163.5	163.5	163.5	164.2	164.2	163.5
55°	214.8	181.3	164.9	160.8	161.4	160.8	160.1	159.4	159.4	158.7	157.3
57.5°	206.6	174.4	160.8	158.0	158.7	158.7	157.3	156.0	155.3	153.2	151.9
60°	194.3	164.9	152.5	151.2	153.2	153.2	153.2	152.5	152.5	151.9	148.4
62.5°	177.9	151.2	141.6	142.3	143.0	144.3	144.3	144.3	144.3	143.0	139.6
63°	174.4	148.4	139.6	139.6	141.6	141.6	142.3	141.6	142.3	140.9	136.8
65°	160.8	139.6	132.7	133.4	134.8	134.8	134.8	134.1	134.1	132.0	130.0
67.5°	145.0	128.6	124.5	125.2	125.9	127.2	126.6	126.6	127.2	125.9	123.8
70°	127.2	117.0	114.2	114.9	115.6	115.6	114.9	114.9	115.6	114.2	112.2
72.5°	113.6	109.5	107.4	107.4	106.0	106.0	104.7	104.0	103.3	103.3	101.2
75°	95.8	95.1	95.8	97.1	95.8	94.4	93.7	91.7	90.3	90.3	89.6
77.5°	82.1	82.1	83.5	85.5	86.2	86.2	84.1	80.7	80.0	80.0	80.0
80°	71.1	69.8	69.8	71.8	73.9	73.2	69.8	66.4	66.4	69.8	70.5
82.5°	62.3	62.3	60.2	60.9	60.2	59.5	56.1	54.0	53.4	56.1	58.8
85°	49.3	49.9	49.3	48.6	47.9	45.8	43.1	41.0	40.4	43.1	47.2
87.5°	19.8	19.2	18.5	19.2	18.5	19.8	19.2	17.8	17.1	19.2	23.3
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°	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6
2.5°	723.1	724.4	725.8	725.8	727.2	726.5	727.2	727.9	727.9	728.5	728.5
5°	727.2	729.2	732.0	734.7	735.4	737.4	739.5	738.1	740.2	742.9	742.9
7.5°	728.5	733.3	735.4	739.5	740.2	742.9	747.7	744.3	748.4	750.4	751.1
10°	726.5	731.3	734.7	739.5	741.5	746.3	751.1	749.7	754.5	757.9	758.6
12.5°	714.2	719.0	726.5	733.3	738.8	746.3	755.2	752.5	759.3	763.4	765.5
15°	690.2	695.0	703.2	714.2	724.4	736.1	747.7	749.7	756.6	761.4	763.4
17.5°	652.6	658.8	667.7	679.3	692.3	712.1	727.2	734.7	744.3	747.0	750.4
20°	617.7	623.9	629.3	636.2	645.8	664.9	684.8	699.8	712.1	722.4	725.1
22.5°	571.2	576.7	583.5	589.0	595.8	609.5	625.9	643.0	662.2	668.3	675.2
25°	515.1	518.5	528.1	531.5	536.3	547.9	560.9	573.3	591.7	604.7	608.1
27.5°	454.9	458.3	467.2	469.3	475.4	486.4	496.0	500.7	517.8	531.5	542.5
30°	385.1	394.0	405.0	406.3	413.2	420.0	428.9	433.7	449.4	463.8	477.5
32.5°	324.9	333.8	342.7	348.2	351.6	357.1	366.0	370.8	385.8	398.8	412.5
35°	263.4	274.3	283.9	291.4	294.2	301.0	307.8	312.6	328.4	340.0	349.6
37.5°	216.9	225.1	235.3	242.8	250.4	255.2	263.4	270.2	279.8	285.9	296.2
40°	194.3	198.4	203.9	210.0	216.2	221.6	227.8	233.3	239.4	247.6	254.5
42.5°	186.8	187.4	187.4	189.5	192.9	195.6	201.1	205.2	209.3	215.5	218.9
45°	181.3	180.6	179.2	177.9	178.5	179.9	183.3	186.1	190.9	193.6	194.3
47.5°	178.5	175.8	173.1	171.0	170.3	171.0	173.8	176.5	179.2	181.3	182.0
50°	169.6	167.6	163.5	160.8	159.4	160.8	164.2	165.5	168.3	170.3	171.0
52.5°	160.8	158.0	155.3	152.5	152.5	153.2	156.0	158.7	161.4	162.1	163.5
55°	155.3	151.2	148.4	146.4	145.0	147.1	149.1	152.5	156.0	156.7	158.0
57.5°	149.8	145.7	143.0	140.9	139.6	141.6	143.7	148.4	152.5	152.5	152.5
60°	146.4	143.0	138.9	136.8	134.8	136.8	139.6	144.3	148.4	147.8	147.1
62.5°	136.8	133.4	131.3	131.3	129.3	132.7	135.4	140.9	141.6	140.2	138.9
63°	134.1	131.3	130.0	130.0	128.6	132.0	134.8	139.6	139.6	138.2	136.8
65°	127.2	125.2	123.8	125.2	125.2	128.6	129.3	132.7	132.0	130.0	129.3
67.5°	121.8	120.4	119.0	119.0	119.0	119.7	120.4	121.8	121.1	120.4	121.1
70°	112.9	112.2	110.8	110.8	110.1	110.1	110.1	110.8	110.8	111.5	112.2
72.5°	101.9	100.6	100.6	101.2	99.9	100.6	101.2	100.6	101.9	101.9	102.6
75°	89.6	88.9	90.3	91.7	91.0	91.0	91.7	91.7	92.3	92.3	93.0
77.5°	80.0	80.7	81.4	82.8	83.5	83.5	83.5	82.8	83.5	83.5	84.1
80°	71.1	72.5	73.9	75.2	75.9	75.9	75.9	75.2	75.2	75.2	75.2
82.5°	64.3	66.4	67.7	68.4	68.4	68.4	68.4	68.4	68.4	67.0	65.7
85°	54.0	58.1	58.1	58.8	56.8	55.4	54.0	54.7	55.4	52.7	52.0
87.5°	27.4	27.4	28.7	30.1	30.8	30.8	34.9	32.8	32.2	31.5	30.1
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: P153501

CATALOG NUMBER: TLM-E02-LED-E1-SLR-7050

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6
2.5°	729.2	728.5	729.9	728.5	729.2	729.9	728.5	730.6	732.0	729.9	727.9
5°	744.3	744.3	747.7	749.1	749.7	753.8	751.8	753.2	754.5	753.8	754.5
7.5°	753.8	756.6	760.0	763.4	764.1	767.5	766.8	768.9	770.3	773.7	773.7
10°	762.1	765.5	770.3	773.7	777.1	779.8	781.2	785.3	786.0	788.7	788.7
12.5°	769.6	773.7	778.5	783.9	787.4	792.8	793.5	799.7	801.7	802.4	800.4
15°	768.2	773.0	778.5	784.6	790.8	797.6	801.7	807.9	811.3	812.7	809.3
17.5°	755.2	759.3	766.2	774.4	781.9	790.8	798.3	807.2	812.7	814.0	813.4
20°	729.9	732.6	741.5	752.5	761.4	775.1	786.0	799.7	808.6	815.4	817.5
22.5°	680.0	686.8	695.7	708.0	721.0	738.1	753.8	773.7	792.8	809.3	825.7
25°	619.8	632.1	645.8	662.2	677.9	695.7	713.5	736.1	764.1	798.3	837.3
27.5°	558.9	580.1	597.2	618.4	636.9	654.7	674.5	699.1	729.9	770.9	820.9
30°	497.3	521.3	539.7	564.4	589.0	612.9	632.8	658.8	688.9	730.6	785.3
32.5°	431.6	455.6	477.5	500.1	527.4	556.1	580.1	612.2	644.4	687.5	742.9
35°	363.9	385.1	403.6	427.5	457.6	488.4	519.9	556.8	591.7	636.9	695.7
37.5°	305.1	320.1	337.9	359.1	382.4	415.2	450.8	494.6	534.3	583.5	643.7
40°	256.5	264.7	275.0	292.8	314.0	346.1	381.0	427.5	475.4	529.5	587.6
42.5°	218.9	223.0	225.7	237.4	254.5	285.9	319.5	364.6	417.3	476.1	534.9
45°	194.3	196.3	197.0	203.2	215.5	242.8	277.7	316.0	366.7	424.1	485.7
47.5°	182.6	184.7	186.1	187.4	195.0	216.2	247.6	283.9	330.4	383.1	446.0
50°	173.1	175.1	177.2	176.5	179.9	193.6	220.3	253.8	297.6	346.1	408.4
52.5°	163.5	164.9	164.9	164.9	166.9	175.8	195.0	225.7	266.1	311.9	373.5
55°	158.0	159.4	160.1	160.8	161.4	166.2	180.6	205.2	240.1	282.5	337.9
57.5°	152.5	153.2	154.6	155.3	156.7	159.4	168.3	186.1	215.5	251.1	297.6
60°	147.8	149.1	151.9	152.5	153.9	154.6	158.7	169.6	188.8	216.2	253.8
62.5°	140.2	142.3	145.0	145.7	147.1	147.8	148.4	154.6	163.5	179.9	208.0
63°	138.2	140.2	143.7	144.3	145.0	145.0	145.7	149.8	158.0	172.4	192.9
65°	130.7	133.4	135.4	136.1	136.8	136.8	136.1	137.5	138.2	144.3	156.7
67.5°	122.4	124.5	125.9	126.6	125.9	126.6	125.9	124.5	123.1	124.5	130.0
70°	114.2	115.6	115.6	116.3	117.0	117.7	116.3	114.9	113.6	112.9	116.3
72.5°	104.7	106.0	106.0	106.7	106.7	108.1	108.1	107.4	107.4	108.1	108.8
75°	95.1	96.5	95.8	97.1	97.1	99.2	99.2	99.9	101.2	100.6	99.9
77.5°	86.2	86.9	86.9	87.6	88.2	91.7	93.7	94.4	94.4	93.0	91.7
80°	76.6	76.6	75.2	74.6	75.2	78.7	82.8	83.5	85.5	84.8	85.5
82.5°	64.3	61.6	59.5	59.5	60.9	62.9	64.3	65.7	67.0	67.0	68.4
85°	49.3	46.5	44.5	45.1	47.2	47.9	47.2	47.2	49.9	52.0	49.9
87.5°	29.4	26.7	25.3	23.3	23.9	26.0	25.3	23.3	23.9	19.2	17.8
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: P153501

CATALOG NUMBER: TLM-E02-LED-E1-SLR-7050

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6
2.5°	729.2	728.5	727.2	725.1	724.4	723.1	723.7	721.7	720.3	719.0	716.9
5°	754.5	754.5	750.4	750.4	748.4	747.7	742.9	740.8	736.7	738.1	733.3
7.5°	772.3	774.4	769.6	768.9	766.2	765.5	759.3	757.3	753.8	752.5	748.4
10°	785.3	785.3	779.2	774.4	770.9	767.5	761.4	758.6	755.9	756.6	753.8
12.5°	795.6	790.8	781.9	775.1	770.3	766.8	762.1	760.0	759.3	764.1	764.8
15°	803.8	796.9	786.0	781.2	777.1	776.4	776.4	778.5	783.3	792.2	799.0
17.5°	808.6	804.5	799.0	797.6	804.5	808.6	814.0	820.2	827.0	839.4	846.9
20°	817.5	820.2	824.3	829.8	840.7	851.0	857.8	866.7	874.9	890.0	902.3
22.5°	840.7	856.5	869.5	880.4	896.8	911.2	920.1	932.4	938.5	948.8	968.0
25°	870.8	903.0	930.3	953.6	978.9	994.0	1006.3	1022.0	1031.6	1048.7	1065.8
27.5°	861.9	907.8	948.8	991.9	1026.8	1065.8	1093.1	1119.1	1135.6	1160.9	1183.4
30°	834.6	889.3	944.7	1001.5	1056.9	1113.0	1165.0	1212.2	1248.4	1284.7	1321.6
32.5°	797.6	860.6	928.3	998.1	1070.6	1148.6	1220.4	1291.5	1351.7	1404.4	1455.7
35°	755.2	826.4	896.8	983.0	1072.6	1171.8	1271.7	1370.2	1461.9	1554.9	1617.8
37.5°	704.6	777.1	855.8	955.0	1060.3	1182.8	1310.0	1438.6	1568.6	1693.8	1802.5
40°	650.6	724.4	807.2	914.6	1033.6	1175.9	1334.6	1507.7	1686.2	1867.5	2011.9
42.5°	602.7	678.6	768.9	877.7	1007.0	1167.0	1354.5	1567.2	1785.4	2009.8	2221.9
45°	556.1	639.6	734.7	851.7	995.3	1173.9	1383.9	1622.6	1874.4	2146.6	2405.2
47.5°	514.4	599.2	691.6	819.5	978.2	1177.3	1412.6	1678.0	1958.5	2253.3	2560.5
50°	476.8	558.9	649.9	778.5	951.5	1175.2	1438.6	1728.0	2031.0	2337.5	2680.2
52.5°	439.9	523.3	616.3	738.8	918.7	1163.6	1450.9	1769.0	2098.0	2422.3	2776.6
55°	403.6	485.7	579.4	701.2	875.6	1133.5	1449.5	1795.7	2151.4	2502.3	2869.7
57.5°	361.2	439.2	530.8	659.4	829.8	1087.0	1429.0	1808.0	2197.2	2581.7	2981.2
60°	308.5	381.7	470.0	598.6	769.6	1027.5	1385.9	1801.2	2223.9	2640.5	3076.3
62.5°	243.5	307.1	387.9	513.7	694.3	942.0	1305.2	1738.9	2181.5	2632.3	3120.7
63°	229.8	290.0	368.7	493.2	662.2	918.7	1281.3	1714.3	2161.0	2615.2	3114.6
65°	184.7	223.7	286.6	398.1	554.1	804.5	1162.2	1587.7	2050.8	2494.8	3025.6
67.5°	141.6	161.4	195.0	272.9	392.0	632.8	941.3	1345.6	1780.0	2197.2	2739.0
70°	121.1	130.0	144.3	181.3	249.0	399.5	660.8	1003.5	1379.8	1741.6	2228.7
72.5°	110.1	114.2	121.8	137.5	171.0	239.4	421.4	653.3	938.5	1241.6	1617.8
75°	101.2	104.7	110.8	119.0	131.3	159.4	240.1	399.5	610.2	815.4	1091.8
77.5°	92.3	94.4	101.2	108.8	117.0	131.3	158.7	229.8	350.9	480.9	658.1
80°	84.8	83.5	88.2	100.6	108.8	117.0	125.2	149.1	199.7	263.4	355.7
82.5°	67.7	69.1	73.2	85.5	88.9	86.9	88.2	92.3	111.5	121.8	182.0
85°	45.8	42.4	41.7	43.1	43.1	41.0	41.0	40.4	44.5	50.6	86.9
87.5°	12.3	6.2	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



TEST NUMBER: P153501

CATALOG NUMBER: TLM-E02-LED-E1-SLR-7050

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6	717.6
2.5°	715.5	714.9	715.5	712.1	712.1	711.4	710.7	709.4	709.4	706.6	708.7
5°	729.2	727.9	725.1	721.0	719.0	716.2	716.2	713.5	711.4	708.7	709.4
7.5°	745.0	745.6	740.8	737.4	736.1	733.3	734.0	729.9	730.6	728.5	727.2
10°	753.8	753.8	755.2	754.5	755.9	755.9	757.9	755.2	753.8	751.8	751.8
12.5°	768.2	770.9	776.4	776.4	780.5	781.9	782.6	783.9	781.2	779.8	775.1
15°	803.8	810.6	815.4	822.3	830.5	833.2	833.2	830.5	829.1	827.0	818.1
17.5°	862.6	877.7	881.8	892.7	894.1	897.5	907.1	901.6	898.2	883.8	881.1
20°	922.8	942.0	961.1	974.8	981.6	995.3	997.4	994.6	981.0	967.3	961.1
22.5°	995.3	1024.1	1045.9	1067.1	1077.4	1084.3	1099.3	1095.9	1084.9	1064.4	1056.2
25°	1097.9	1133.5	1156.8	1182.8	1196.4	1203.3	1218.3	1218.3	1206.7	1200.5	1199.9
27.5°	1227.2	1271.0	1309.3	1318.2	1353.8	1362.0	1376.3	1376.3	1365.4	1357.9	1394.1
30°	1370.9	1416.7	1483.1	1527.5	1570.6	1613.0	1612.4	1615.1	1628.1	1634.9	1650.7
32.5°	1514.5	1571.3	1641.8	1738.2	1830.6	1909.2	2011.2	2076.2	2056.3	2000.9	1979.0
35°	1689.0	1751.9	1837.4	1934.6	2103.5	2205.4	2254.7	2289.6	2293.7	2301.2	2316.9
37.5°	1883.2	1988.6	2087.8	2197.9	2291.6	2415.5	2529.7	2621.4	2642.6	2685.7	2661.0
40°	2128.8	2246.5	2350.5	2492.8	2618.6	2767.7	2931.2	3057.1	3107.7	3091.3	2968.2
42.5°	2386.0	2531.7	2653.5	2821.1	2984.6	3181.6	3350.6	3526.4	3557.8	3431.3	3247.3
45°	2622.7	2803.3	2954.5	3128.9	3328.7	3564.7	3790.4	3971.0	3964.9	3748.0	3501.8
47.5°	2835.5	3057.1	3241.8	3468.9	3683.7	3964.9	4224.1	4357.5	4278.9	4022.3	3720.7
50°	3011.3	3287.6	3515.4	3745.3	4018.2	4356.8	4606.5	4681.8	4529.9	4250.8	3933.4
52.5°	3152.9	3499.7	3755.5	4020.3	4365.1	4721.5	4936.3	4908.2	4711.9	4425.3	4109.2
55°	3272.6	3661.8	3966.9	4279.5	4707.1	5035.4	5178.4	5103.2	4828.9	4538.1	4229.6
57.5°	3396.4	3819.2	4161.2	4523.8	4999.9	5281.7	5361.1	5206.5	4884.3	4581.2	4281.6
60°	3520.2	3950.5	4332.9	4737.2	5221.5	5482.8	5460.9	5229.7	4867.8	4549.8	4246.7
62.5°	3603.7	4028.5	4432.8	4868.5	5387.7	5585.4	5451.4	5146.9	4772.8	4425.9	4142.7
63°	3605.7	4031.2	4438.9	4877.4	5406.2	5588.9	5432.9	5117.5	4742.7	4400.6	4111.9
65°	3562.6	3979.9	4384.2	4837.1	5390.5	5510.2	5273.5	4943.8	4571.0	4225.5	3951.9
67.5°	3342.4	3767.9	4124.9	4551.8	5108.6	5142.8	4846.6	4580.5	4245.3	3887.6	3601.6
70°	2898.4	3252.1	3602.3	3958.7	4425.9	4419.8	4141.4	4005.9	3712.4	3304.7	3075.6
72.5°	2305.3	2622.7	2869.0	3107.7	3415.6	3353.3	3174.1	3211.7	3021.5	2717.1	2581.0
75°	1711.5	2060.4	2180.8	2278.0	2407.9	2408.6	2457.9	2564.6	2561.8	2392.9	2221.2
77.5°	1122.6	1504.3	1544.6	1622.6	1778.6	1990.6	2209.5	2444.9	2503.7	2370.3	2116.5
80°	625.9	1022.7	976.2	1043.2	1211.5	1499.5	1822.4	2082.3	2235.5	2161.0	1892.1
82.5°	320.1	589.7	563.7	656.7	792.8	1043.2	1256.6	1456.4	1637.0	1626.7	1524.8
85°	166.2	322.9	367.3	415.9	484.3	573.9	654.7	712.8	788.0	920.8	965.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.0	49.3	35.6	97.8	139.6
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: P153501

CATALOG NUMBER: TLM-E02-LED-E1-SLR-7050

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	717.6	717.6	717.6	717.6	717.6	717.6	717.6
2.5°	709.4	710.1	708.7	708.7	709.4	709.4	708.0
5°	708.0	708.0	706.6	705.3	703.9	703.9	702.5
7.5°	723.7	723.7	719.0	716.9	713.5	710.7	709.4
10°	747.0	742.9	737.4	733.3	727.9	721.7	718.3
12.5°	770.3	764.1	757.3	751.1	744.3	737.4	734.0
15°	808.6	800.4	791.5	783.9	774.4	764.1	760.0
17.5°	867.4	854.4	842.8	831.8	814.7	807.2	799.0
20°	945.4	926.2	911.2	892.7	871.5	864.7	854.4
22.5°	1039.8	1023.4	993.3	979.6	958.4	948.1	950.2
25°	1183.4	1162.2	1127.3	1114.4	1112.3	1089.7	1078.8
27.5°	1370.9	1372.2	1340.1	1305.2	1286.1	1250.5	1205.3
30°	1637.7	1619.2	1581.6	1546.0	1500.9	1433.8	1358.6
32.5°	1960.5	1919.5	1857.3	1790.9	1710.9	1607.6	1502.2
35°	2275.9	2204.1	2104.9	1994.1	1878.5	1749.9	1600.7
37.5°	2553.0	2441.4	2293.0	2165.8	2002.3	1841.5	1659.6
40°	2806.1	2667.9	2476.3	2311.5	2118.6	1912.0	1696.5
42.5°	3051.0	2875.8	2641.2	2418.2	2200.0	1959.2	1714.3
45°	3284.2	3058.5	2780.1	2514.6	2259.5	1990.0	1717.0
47.5°	3463.4	3217.2	2904.6	2584.4	2300.5	2013.2	1717.0
50°	3629.7	3351.3	2999.6	2639.1	2338.8	2029.0	1718.4
52.5°	3759.0	3445.7	3061.2	2678.1	2368.9	2040.6	1724.5
55°	3852.7	3507.2	3102.3	2702.1	2390.8	2057.0	1738.2
57.5°	3918.4	3547.6	3124.8	2723.3	2417.5	2085.7	1776.5
60°	3949.8	3622.2	3162.5	2765.7	2463.3	2146.6	1853.1
62.5°	3925.9	3737.8	3269.9	2837.5	2527.0	2241.7	1975.6
63°	3915.6	3759.0	3299.3	2853.3	2541.3	2262.2	2018.0
65°	3835.6	3780.2	3420.4	2932.6	2609.7	2353.2	2136.4
67.5°	3587.3	3696.7	3522.3	3066.7	2756.8	2574.2	2357.3
70°	3265.8	3572.9	3503.8	3083.8	2850.5	2755.4	2496.9
72.5°	2880.6	3198.7	3134.4	2856.0	2747.2	2757.5	2460.6
75°	2267.0	2505.7	2463.3	2365.5	2387.4	2462.7	2107.6
77.5°	1816.2	1784.1	1686.2	1693.1	1819.6	1907.9	1517.3
80°	1483.7	1201.2	1074.0	1077.4	1298.4	1390.0	966.6
82.5°	1411.9	1136.2	925.5	808.6	944.7	909.8	504.8
85°	1005.6	1007.6	835.9	679.3	658.1	559.6	314.7
87.5°	238.1	190.9	136.1	101.2	106.7	70.5	35.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)