

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: P153491

Luminaire Tested: **TLM-E01-LED-E1-SLR-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P153491
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-SLR-7050
Description: TALON MEDIUM LED SITE LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (21) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

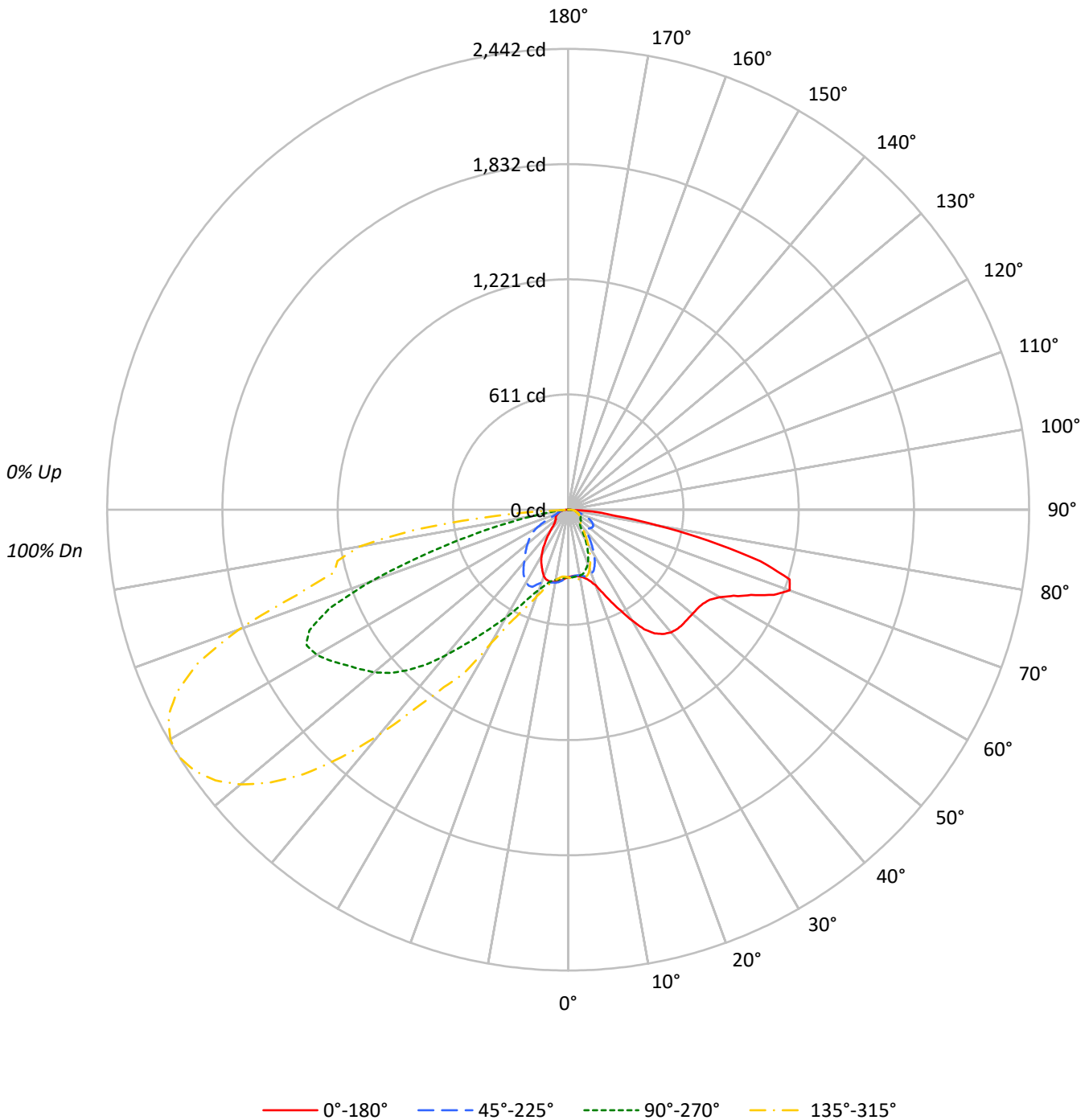
Lumens per Lamp: N/A
Luminaire Lumens: 2855.1 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Spacing Criteria (0/90/45): 1.93 / 2.48 / 2.48
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
CIE Type: Direct

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



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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	357	374	367	351	34
15°	380	339	392	400	380	110
25°	539	247	331	533	539	255
35°	800	118	214	809	800	496
45°	858	94	102	1203	858	664
55°	869	80	80	1435	869	788
65°	1068	67	68	1513	1068	1075
75°	1054	46	49	546	1054	1031
85°	157	20	23	43	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	355.0	354.7	354.7	355.4	355.0	355.0	355.4	355.4	356.4	357.8
5°	351.3	350.9	350.2	350.9	350.9	350.9	349.6	350.6	350.9	351.6	351.6
7.5°	354.7	353.7	352.3	352.6	352.6	352.0	350.9	351.3	350.9	350.9	350.6
10°	359.1	356.7	355.0	355.0	355.0	354.3	352.6	353.7	353.7	353.3	353.7
12.5°	367.0	364.3	362.2	361.5	361.5	360.5	359.1	360.5	359.8	359.8	359.1
15°	380.0	376.9	374.5	372.5	372.8	372.8	371.1	370.1	368.7	367.0	363.6
17.5°	399.5	396.1	393.0	391.3	391.6	389.2	384.4	379.7	373.2	366.7	359.5
20°	427.2	426.2	422.1	420.4	416.3	410.4	397.1	385.8	373.2	360.8	348.5
22.5°	475.1	470.3	466.2	459.7	446.0	429.9	407.7	387.9	368.0	350.6	334.2
25°	539.4	530.8	510.7	490.8	462.8	434.0	403.9	378.3	353.7	330.7	310.6
27.5°	602.7	576.7	540.8	504.8	463.8	426.2	388.6	358.1	329.4	304.4	282.2
30°	679.3	635.5	580.4	523.7	465.5	414.9	369.7	334.2	301.0	274.7	251.4
32.5°	751.1	687.8	615.7	541.1	469.3	404.3	348.2	307.8	273.6	240.5	217.5
35°	800.4	718.3	630.7	542.8	460.0	384.1	321.2	273.6	239.4	208.6	181.6
37.5°	829.8	731.6	631.4	530.5	438.5	356.7	287.0	239.8	208.3	178.9	157.7
40°	848.2	734.7	622.5	512.7	411.1	322.2	252.8	210.4	181.6	158.0	141.6
42.5°	857.1	729.9	608.1	490.1	383.4	291.4	228.8	188.8	163.8	147.1	134.8
45°	858.5	721.4	592.7	469.6	358.8	269.2	212.4	179.9	159.4	145.4	133.1
47.5°	858.5	713.8	580.4	454.6	342.7	259.6	211.0	183.7	163.5	147.8	133.1
50°	859.2	711.4	575.3	447.0	337.2	264.7	222.7	195.3	172.4	151.9	132.7
52.5°	862.3	714.5	579.4	452.9	347.2	285.3	244.6	212.7	184.0	156.7	132.7
55°	869.1	724.8	596.9	473.0	373.8	316.4	270.9	231.6	193.2	158.7	130.7
57.5°	888.3	750.8	628.7	512.0	419.3	352.3	294.8	244.9	196.7	157.0	126.6
60°	926.6	802.4	683.0	566.8	467.6	383.1	308.9	246.9	193.6	151.5	120.1
62.5°	987.8	861.6	749.1	626.3	510.3	400.2	310.6	241.8	185.4	141.6	110.5
63°	1009.0	876.3	763.1	637.6	515.8	401.5	309.2	239.8	183.3	138.9	109.1
65°	1068.2	938.2	811.6	677.2	531.2	401.9	301.7	229.5	173.8	128.3	99.5
67.5°	1178.7	1019.6	872.9	708.4	536.7	390.9	282.5	210.4	153.6	111.8	87.6
70°	1248.4	1065.1	896.5	709.0	520.6	359.8	249.3	179.2	127.9	92.7	75.2
72.5°	1230.3	1020.3	834.2	645.1	451.1	300.6	200.4	140.9	99.9	74.2	62.6
75°	1053.8	849.3	680.6	499.7	341.0	221.0	146.7	100.6	73.9	58.1	52.3
77.5°	758.6	611.2	488.1	356.1	229.8	143.0	97.5	71.8	56.1	47.9	43.1
80°	483.3	358.5	298.6	214.1	134.4	88.6	67.0	54.4	46.2	40.0	36.9
82.5°	252.4	176.8	143.7	109.5	74.6	58.5	49.3	44.5	38.0	33.2	31.5
85°	157.3	104.3	77.3	54.0	37.3	33.5	30.8	30.1	27.0	23.9	22.9
87.5°	17.8	16.1	16.8	10.6	7.9	8.6	8.2	10.9	10.6	7.9	8.2
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°	356.4	357.1	357.1	358.1	358.1	358.8	359.5	359.5	360.2	360.5	361.2
5°	352.3	352.3	352.3	353.7	354.0	356.1	356.7	357.4	358.1	360.5	361.9
7.5°	351.3	349.9	350.6	350.6	351.6	353.3	355.0	356.1	357.1	360.2	362.2
10°	353.3	352.3	351.3	351.3	351.6	352.3	353.7	354.7	355.4	358.5	360.2
12.5°	358.8	356.4	354.3	352.6	351.3	350.9	350.2	350.6	351.3	353.0	355.4
15°	359.8	355.4	350.9	346.5	343.1	341.0	339.3	338.6	338.6	339.6	342.4
17.5°	353.0	345.5	339.0	333.1	329.4	325.6	323.9	322.5	321.9	323.2	323.6
20°	338.3	329.4	320.5	313.6	306.8	305.8	303.0	303.7	304.4	306.5	307.5
22.5°	318.1	307.5	296.5	289.4	283.9	279.1	276.0	277.4	278.4	280.5	281.5
25°	293.5	278.1	266.4	259.3	253.4	249.3	245.9	247.3	245.9	248.3	252.1
27.5°	264.4	246.3	234.0	225.7	221.6	218.2	214.8	214.8	218.2	218.2	221.3
30°	229.2	215.8	199.7	191.2	186.1	184.0	183.7	183.0	185.4	186.8	190.2
32.5°	196.0	179.6	164.2	156.0	151.5	149.1	149.5	149.8	150.8	152.9	158.4
35°	162.5	148.1	137.2	127.9	123.5	119.0	119.0	118.3	119.4	121.8	128.3
37.5°	140.9	128.3	119.7	112.5	108.1	105.3	103.0	101.9	101.9	103.0	105.3
40°	128.9	119.7	111.8	105.7	101.6	99.2	97.8	96.8	96.1	96.1	96.5
42.5°	123.5	113.9	106.0	100.6	97.5	96.1	95.8	95.4	94.4	94.1	93.7
45°	120.7	109.8	100.9	96.5	94.1	93.4	93.7	93.7	93.4	92.7	91.3
47.5°	118.7	106.0	97.1	93.0	92.0	92.0	92.0	92.0	91.7	91.3	90.3
50°	115.3	100.2	90.6	87.6	86.9	86.9	87.2	87.2	87.9	87.2	86.5
52.5°	111.5	94.7	85.2	82.4	82.1	81.7	81.7	81.7	82.1	82.1	81.7
55°	107.4	90.6	82.4	80.4	80.7	80.4	80.0	79.7	79.7	79.4	78.7
57.5°	103.3	87.2	80.4	79.0	79.4	79.4	78.7	78.0	77.6	76.6	75.9
60°	97.1	82.4	76.3	75.6	76.6	76.6	76.6	76.3	76.3	75.9	74.2
62.5°	88.9	75.6	70.8	71.1	71.5	72.2	72.2	72.2	72.2	71.5	69.8
63°	87.2	74.2	69.8	69.8	70.8	70.8	71.1	70.8	71.1	70.5	68.4
65°	80.4	69.8	66.4	66.7	67.4	67.4	67.4	67.0	67.0	66.0	65.0
67.5°	72.5	64.3	62.3	62.6	62.9	63.6	63.3	63.3	63.6	62.9	61.9
70°	63.6	58.5	57.1	57.5	57.8	57.8	57.5	57.5	57.8	57.1	56.1
72.5°	56.8	54.7	53.7	53.7	53.0	53.0	52.3	52.0	51.6	51.6	50.6
75°	47.9	47.5	47.9	48.6	47.9	47.2	46.9	45.8	45.1	45.1	44.8
77.5°	41.0	41.0	41.7	42.8	43.1	43.1	42.1	40.4	40.0	40.0	40.0
80°	35.6	34.9	34.9	35.9	36.9	36.6	34.9	33.2	33.2	34.9	35.2
82.5°	31.1	31.1	30.1	30.4	30.1	29.8	28.0	27.0	26.7	28.0	29.4
85°	24.6	25.0	24.6	24.3	23.9	22.9	21.5	20.5	20.2	21.5	23.6
87.5°	9.9	9.6	9.2	9.6	9.2	9.9	9.6	8.9	8.6	9.6	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



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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°	361.5	362.2	362.9	362.9	363.6	363.2	363.6	363.9	363.9	364.3	364.3
5°	363.6	364.6	366.0	367.3	367.7	368.7	369.7	369.1	370.1	371.5	371.5
7.5°	364.3	366.7	367.7	369.7	370.1	371.5	373.8	372.1	374.2	375.2	375.6
10°	363.2	365.6	367.3	369.7	370.8	373.2	375.6	374.9	377.3	379.0	379.3
12.5°	357.1	359.5	363.2	366.7	369.4	373.2	377.6	376.2	379.7	381.7	382.7
15°	345.1	347.5	351.6	357.1	362.2	368.0	373.8	374.9	378.3	380.7	381.7
17.5°	326.3	329.4	333.8	339.6	346.1	356.1	363.6	367.3	372.1	373.5	375.2
20°	308.9	311.9	314.7	318.1	322.9	332.5	342.4	349.9	356.1	361.2	362.6
22.5°	285.6	288.3	291.8	294.5	297.9	304.8	313.0	321.5	331.1	334.2	337.6
25°	257.6	259.3	264.1	265.8	268.2	274.0	280.5	286.6	295.9	302.4	304.1
27.5°	227.5	229.2	233.6	234.6	237.7	243.2	248.0	250.4	258.9	265.8	271.2
30°	192.6	197.0	202.5	203.2	206.6	210.0	214.5	216.9	224.7	231.9	238.7
32.5°	162.5	166.9	171.4	174.1	175.8	178.5	183.0	185.4	192.9	199.4	206.2
35°	131.7	137.2	141.9	145.7	147.1	150.5	153.9	156.3	164.2	170.0	174.8
37.5°	108.4	112.5	117.7	121.4	125.2	127.6	131.7	135.1	139.9	143.0	148.1
40°	97.1	99.2	101.9	105.0	108.1	110.8	113.9	116.6	119.7	123.8	127.2
42.5°	93.4	93.7	93.7	94.7	96.5	97.8	100.6	102.6	104.7	107.7	109.5
45°	90.6	90.3	89.6	88.9	89.3	90.0	91.7	93.0	95.4	96.8	97.1
47.5°	89.3	87.9	86.5	85.5	85.2	85.5	86.9	88.2	89.6	90.6	91.0
50°	84.8	83.8	81.7	80.4	79.7	80.4	82.1	82.8	84.1	85.2	85.5
52.5°	80.4	79.0	77.6	76.3	76.3	76.6	78.0	79.4	80.7	81.1	81.7
55°	77.6	75.6	74.2	73.2	72.5	73.5	74.6	76.3	78.0	78.3	79.0
57.5°	74.9	72.9	71.5	70.5	69.8	70.8	71.8	74.2	76.3	76.3	76.3
60°	73.2	71.5	69.4	68.4	67.4	68.4	69.8	72.2	74.2	73.9	73.5
62.5°	68.4	66.7	65.7	65.7	64.6	66.4	67.7	70.5	70.8	70.1	69.4
63°	67.0	65.7	65.0	65.0	64.3	66.0	67.4	69.8	69.8	69.1	68.4
65°	63.6	62.6	61.9	62.6	62.6	64.3	64.6	66.4	66.0	65.0	64.6
67.5°	60.9	60.2	59.5	59.5	59.5	59.9	60.2	60.9	60.5	60.2	60.5
70°	56.4	56.1	55.4	55.4	55.1	55.1	55.1	55.4	55.4	55.8	56.1
72.5°	51.0	50.3	50.3	50.6	49.9	50.3	50.6	50.3	51.0	51.0	51.3
75°	44.8	44.5	45.1	45.8	45.5	45.5	45.8	45.8	46.2	46.2	46.5
77.5°	40.0	40.4	40.7	41.4	41.7	41.7	41.7	41.4	41.7	41.7	42.1
80°	35.6	36.3	36.9	37.6	38.0	38.0	38.0	37.6	37.6	37.6	37.6
82.5°	32.2	33.2	33.9	34.2	34.2	34.2	34.2	34.2	34.2	33.5	32.8
85°	27.0	29.1	29.1	29.4	28.4	27.7	27.0	27.4	27.7	26.3	26.0
87.5°	13.7	13.7	14.4	15.0	15.4	15.4	17.4	16.4	16.1	15.7	15.0
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: P153491

CATALOG NUMBER: TLM-E01-LED-E1-SLR-7050

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°	364.6	364.3	365.0	364.3	364.6	365.0	364.3	365.3	366.0	365.0	363.9
5°	372.1	372.1	373.8	374.5	374.9	376.9	375.9	376.6	377.3	376.9	377.3
7.5°	376.9	378.3	380.0	381.7	382.1	383.8	383.4	384.4	385.1	386.8	386.8
10°	381.0	382.7	385.1	386.8	388.6	389.9	390.6	392.7	393.0	394.4	394.4
12.5°	384.8	386.8	389.2	392.0	393.7	396.4	396.8	399.8	400.9	401.2	400.2
15°	384.1	386.5	389.2	392.3	395.4	398.8	400.9	403.9	405.7	406.3	404.6
17.5°	377.6	379.7	383.1	387.2	390.9	395.4	399.2	403.6	406.3	407.0	406.7
20°	365.0	366.3	370.8	376.2	380.7	387.5	393.0	399.8	404.3	407.7	408.7
22.5°	340.0	343.4	347.8	354.0	360.5	369.1	376.9	386.8	396.4	404.6	412.8
25°	309.9	316.0	322.9	331.1	339.0	347.8	356.7	368.0	382.1	399.2	418.7
27.5°	279.4	290.0	298.6	309.2	318.4	327.3	337.2	349.6	365.0	385.5	410.4
30°	248.7	260.6	269.9	282.2	294.5	306.5	316.4	329.4	344.4	365.3	392.7
32.5°	215.8	227.8	238.7	250.0	263.7	278.1	290.0	306.1	322.2	343.7	371.5
35°	182.0	192.6	201.8	213.8	228.8	244.2	259.9	278.4	295.9	318.4	347.8
37.5°	152.5	160.1	169.0	179.6	191.2	207.6	225.4	247.3	267.1	291.8	321.9
40°	128.3	132.4	137.5	146.4	157.0	173.1	190.5	213.8	237.7	264.7	293.8
42.5°	109.5	111.5	112.9	118.7	127.2	143.0	159.7	182.3	208.6	238.1	267.5
45°	97.1	98.2	98.5	101.6	107.7	121.4	138.9	158.0	183.3	212.1	242.8
47.5°	91.3	92.3	93.0	93.7	97.5	108.1	123.8	141.9	165.2	191.5	223.0
50°	86.5	87.6	88.6	88.2	90.0	96.8	110.1	126.9	148.8	173.1	204.2
52.5°	81.7	82.4	82.4	82.4	83.5	87.9	97.5	112.9	133.1	156.0	186.8
55°	79.0	79.7	80.0	80.4	80.7	83.1	90.3	102.6	120.1	141.3	169.0
57.5°	76.3	76.6	77.3	77.6	78.3	79.7	84.1	93.0	107.7	125.5	148.8
60°	73.9	74.6	75.9	76.3	77.0	77.3	79.4	84.8	94.4	108.1	126.9
62.5°	70.1	71.1	72.5	72.9	73.5	73.9	74.2	77.3	81.7	90.0	104.0
63°	69.1	70.1	71.8	72.2	72.5	72.5	72.9	74.9	79.0	86.2	96.5
65°	65.3	66.7	67.7	68.1	68.4	68.4	68.1	68.7	69.1	72.2	78.3
67.5°	61.2	62.3	62.9	63.3	62.9	63.3	62.9	62.3	61.6	62.3	65.0
70°	57.1	57.8	57.8	58.1	58.5	58.8	58.1	57.5	56.8	56.4	58.1
72.5°	52.3	53.0	53.0	53.4	53.4	54.0	54.0	53.7	53.7	54.0	54.4
75°	47.5	48.2	47.9	48.6	48.6	49.6	49.6	49.9	50.6	50.3	49.9
77.5°	43.1	43.4	43.4	43.8	44.1	45.8	46.9	47.2	47.2	46.5	45.8
80°	38.3	38.3	37.6	37.3	37.6	39.3	41.4	41.7	42.8	42.4	42.8
82.5°	32.2	30.8	29.8	29.8	30.4	31.5	32.2	32.8	33.5	33.5	34.2
85°	24.6	23.3	22.2	22.6	23.6	23.9	23.6	23.6	25.0	26.0	25.0
87.5°	14.7	13.3	12.7	11.6	12.0	13.0	12.7	11.6	12.0	9.6	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



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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°	364.6	364.3	363.6	362.6	362.2	361.5	361.9	360.8	360.2	359.5	358.5
5°	377.3	377.3	375.2	375.2	374.2	373.8	371.5	370.4	368.4	369.1	366.7
7.5°	386.2	387.2	384.8	384.4	383.1	382.7	379.7	378.6	376.9	376.2	374.2
10°	392.7	392.7	389.6	387.2	385.5	383.8	380.7	379.3	377.9	378.3	376.9
12.5°	397.8	395.4	390.9	387.5	385.1	383.4	381.0	380.0	379.7	382.1	382.4
15°	401.9	398.5	393.0	390.6	388.6	388.2	388.2	389.2	391.6	396.1	399.5
17.5°	404.3	402.2	399.5	398.8	402.2	404.3	407.0	410.1	413.5	419.7	423.4
20°	408.7	410.1	412.2	414.9	420.4	425.5	428.9	433.4	437.5	445.0	451.1
22.5°	420.4	428.2	434.7	440.2	448.4	455.6	460.0	466.2	469.3	474.4	484.0
25°	435.4	451.5	465.2	476.8	489.5	497.0	503.1	511.0	515.8	524.3	532.9
27.5°	431.0	453.9	474.4	496.0	513.4	532.9	546.6	559.6	567.8	580.4	591.7
30°	417.3	444.6	472.4	500.7	528.4	556.5	582.5	606.1	624.2	642.3	660.8
32.5°	398.8	430.3	464.1	499.0	535.3	574.3	610.2	645.8	675.9	702.2	727.9
35°	377.6	413.2	448.4	491.5	536.3	585.9	635.8	685.1	730.9	777.4	808.9
37.5°	352.3	388.6	427.9	477.5	530.2	591.4	655.0	719.3	784.3	846.9	901.3
40°	325.3	362.2	403.6	457.3	516.8	588.0	667.3	753.8	843.1	933.8	1005.9
42.5°	301.3	339.3	384.4	438.8	503.5	583.5	677.2	783.6	892.7	1004.9	1110.9
45°	278.1	319.8	367.3	425.8	497.7	586.9	691.9	811.3	937.2	1073.3	1202.6
47.5°	257.2	299.6	345.8	409.8	489.1	588.6	706.3	839.0	979.2	1126.7	1280.2
50°	238.4	279.4	324.9	389.2	475.8	587.6	719.3	864.0	1015.5	1168.7	1340.1
52.5°	219.9	261.7	308.2	369.4	459.4	581.8	725.5	884.5	1049.0	1211.1	1388.3
55°	201.8	242.8	289.7	350.6	437.8	566.8	724.8	897.8	1075.7	1251.2	1434.8
57.5°	180.6	219.6	265.4	329.7	414.9	543.5	714.5	904.0	1098.6	1290.8	1490.6
60°	154.3	190.9	235.0	299.3	384.8	513.7	693.0	900.6	1112.0	1320.3	1538.1
62.5°	121.8	153.6	193.9	256.9	347.2	471.0	652.6	869.5	1090.8	1316.2	1560.4
63°	114.9	145.0	184.4	246.6	331.1	459.4	640.6	857.1	1080.5	1307.6	1557.3
65°	92.3	111.8	143.3	199.1	277.0	402.2	581.1	793.9	1025.4	1247.4	1512.8
67.5°	70.8	80.7	97.5	136.5	196.0	316.4	470.6	672.8	890.0	1098.6	1369.5
70°	60.5	65.0	72.2	90.6	124.5	199.7	330.4	501.8	689.9	870.8	1114.4
72.5°	55.1	57.1	60.9	68.7	85.5	119.7	210.7	326.6	469.3	620.8	808.9
75°	50.6	52.3	55.4	59.5	65.7	79.7	120.1	199.7	305.1	407.7	545.9
77.5°	46.2	47.2	50.6	54.4	58.5	65.7	79.4	114.9	175.5	240.5	329.0
80°	42.4	41.7	44.1	50.3	54.4	58.5	62.6	74.6	99.9	131.7	177.9
82.5°	33.9	34.5	36.6	42.8	44.5	43.4	44.1	46.2	55.8	60.9	91.0
85°	22.9	21.2	20.9	21.5	21.5	20.5	20.5	20.2	22.2	25.3	43.4
87.5°	6.2	3.1	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):

	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°	357.8	357.4	357.8	356.1	356.1	355.7	355.4	354.7	354.7	353.3	354.3
5°	364.6	363.9	362.6	360.5	359.5	358.1	358.1	356.7	355.7	354.3	354.7
7.5°	372.5	372.8	370.4	368.7	368.0	366.7	367.0	365.0	365.3	364.3	363.6
10°	376.9	376.9	377.6	377.3	377.9	377.9	379.0	377.6	376.9	375.9	375.9
12.5°	384.1	385.5	388.2	388.2	390.3	390.9	391.3	392.0	390.6	389.9	387.5
15°	401.9	405.3	407.7	411.1	415.2	416.6	416.6	415.2	414.5	413.5	409.1
17.5°	431.3	438.8	440.9	446.4	447.0	448.8	453.5	450.8	449.1	441.9	440.5
20°	461.4	471.0	480.6	487.4	490.8	497.7	498.7	497.3	490.5	483.6	480.6
22.5°	497.7	512.0	523.0	533.6	538.7	542.1	549.7	547.9	542.5	532.2	528.1
25°	549.0	566.8	578.4	591.4	598.2	601.6	609.2	609.2	603.4	600.3	599.9
27.5°	613.6	635.5	654.7	659.1	676.9	681.0	688.2	688.2	682.7	678.9	697.1
30°	685.4	708.4	741.5	763.8	785.3	806.5	806.2	807.5	814.0	817.5	825.3
32.5°	757.3	785.7	820.9	869.1	915.3	954.6	1005.6	1038.1	1028.2	1000.5	989.5
35°	844.5	876.0	918.7	967.3	1051.8	1102.7	1127.3	1144.8	1146.8	1150.6	1158.5
37.5°	941.6	994.3	1043.9	1099.0	1145.8	1207.7	1264.8	1310.7	1321.3	1342.8	1330.5
40°	1064.4	1123.2	1175.2	1246.4	1309.3	1383.9	1465.6	1528.6	1553.9	1545.7	1484.1
42.5°	1193.0	1265.9	1326.8	1410.6	1492.3	1590.8	1675.3	1763.2	1778.9	1715.6	1623.6
45°	1311.4	1401.7	1477.2	1564.5	1664.3	1782.3	1895.2	1985.5	1982.4	1874.0	1750.9
47.5°	1417.7	1528.6	1620.9	1734.5	1841.9	1982.4	2112.1	2178.8	2139.4	2011.2	1860.3
50°	1505.6	1643.8	1757.7	1872.6	2009.1	2178.4	2303.3	2340.9	2265.0	2125.4	1966.7
52.5°	1576.4	1749.9	1877.8	2010.1	2182.5	2360.7	2468.1	2454.1	2355.9	2212.6	2054.6
55°	1636.3	1830.9	1983.5	2139.8	2353.5	2517.7	2589.2	2551.6	2414.4	2269.1	2114.8
57.5°	1698.2	1909.6	2080.6	2261.9	2499.9	2640.9	2680.5	2603.2	2442.1	2290.6	2140.8
60°	1760.1	1975.3	2166.5	2368.6	2610.8	2741.4	2730.5	2614.9	2433.9	2274.9	2123.4
62.5°	1801.8	2014.2	2216.4	2434.3	2693.9	2792.7	2725.7	2573.5	2386.4	2213.0	2071.4
63°	1802.9	2015.6	2219.5	2438.7	2703.1	2794.4	2716.4	2558.8	2371.3	2200.3	2056.0
65°	1781.3	1990.0	2192.1	2418.5	2695.2	2755.1	2636.7	2471.9	2285.5	2112.8	1975.9
67.5°	1671.2	1883.9	2062.5	2275.9	2554.3	2571.4	2423.3	2290.3	2122.7	1943.8	1800.8
70°	1449.2	1626.0	1801.2	1979.4	2213.0	2209.9	2070.7	2003.0	1856.2	1652.4	1537.8
72.5°	1152.7	1311.4	1434.5	1553.9	1707.8	1676.7	1587.0	1605.9	1510.8	1358.6	1290.5
75°	855.8	1030.2	1090.4	1139.0	1204.0	1204.3	1228.9	1282.3	1280.9	1196.4	1110.6
77.5°	561.3	752.1	772.3	811.3	889.3	995.3	1104.8	1222.4	1251.8	1185.2	1058.3
80°	313.0	511.3	488.1	521.6	605.7	749.7	911.2	1041.2	1117.8	1080.5	946.1
82.5°	160.1	294.8	281.8	328.4	396.4	521.6	628.3	728.2	818.5	813.4	762.4
85°	83.1	161.4	183.7	208.0	242.2	287.0	327.3	356.4	394.0	460.4	483.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.0	24.6	17.8	48.9	69.8
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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CATALOG NUMBER: TLM-E01-LED-E1-SLR-7050

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°	354.7	355.0	354.3	354.3	354.7	354.7	354.0
5°	354.0	354.0	353.3	352.6	352.0	352.0	351.3
7.5°	361.9	361.9	359.5	358.5	356.7	355.4	354.7
10°	373.5	371.5	368.7	366.7	363.9	360.8	359.1
12.5°	385.1	382.1	378.6	375.6	372.1	368.7	367.0
15°	404.3	400.2	395.7	392.0	387.2	382.1	380.0
17.5°	433.7	427.2	421.4	415.9	407.4	403.6	399.5
20°	472.7	463.1	455.6	446.4	435.8	432.3	427.2
22.5°	519.9	511.7	496.6	489.8	479.2	474.1	475.1
25°	591.7	581.1	563.7	557.2	556.1	544.9	539.4
27.5°	685.4	686.1	670.0	652.6	643.0	625.2	602.7
30°	818.8	809.6	790.8	773.0	750.4	716.9	679.3
32.5°	980.3	959.8	928.6	895.4	855.4	803.8	751.1
35°	1138.0	1102.0	1052.4	997.0	939.2	874.9	800.4
37.5°	1276.5	1220.7	1146.5	1082.9	1001.1	920.8	829.8
40°	1403.0	1333.9	1238.2	1155.7	1059.3	956.0	848.2
42.5°	1525.5	1437.9	1320.6	1209.1	1100.0	979.6	857.1
45°	1642.1	1529.2	1390.0	1257.3	1129.7	995.0	858.5
47.5°	1731.7	1608.6	1452.3	1292.2	1150.3	1006.6	858.5
50°	1814.8	1675.6	1499.8	1319.6	1169.4	1014.5	859.2
52.5°	1879.5	1722.8	1530.6	1339.1	1184.5	1020.3	862.3
55°	1926.3	1753.6	1551.1	1351.0	1195.4	1028.5	869.1
57.5°	1959.2	1773.8	1562.4	1361.6	1208.8	1042.9	888.3
60°	1974.9	1811.1	1581.2	1382.8	1231.7	1073.3	926.6
62.5°	1962.9	1868.9	1634.9	1418.8	1263.5	1120.8	987.8
63°	1957.8	1879.5	1649.6	1426.6	1270.7	1131.1	1009.0
65°	1917.8	1890.1	1710.2	1466.3	1304.9	1176.6	1068.2
67.5°	1793.6	1848.4	1761.1	1533.3	1378.4	1287.1	1178.7
70°	1632.9	1786.4	1751.9	1541.9	1425.3	1377.7	1248.4
72.5°	1440.3	1599.4	1567.2	1428.0	1373.6	1378.7	1230.3
75°	1133.5	1252.9	1231.7	1182.8	1193.7	1231.3	1053.8
77.5°	908.1	892.0	843.1	846.5	909.8	953.9	758.6
80°	741.9	600.6	537.0	538.7	649.2	695.0	483.3
82.5°	706.0	568.1	462.8	404.3	472.4	454.9	252.4
85°	502.8	503.8	418.0	339.6	329.0	279.8	157.3
87.5°	119.0	95.4	68.1	50.6	53.4	35.2	17.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)