

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: P153489

Luminaire Tested: **TLM-E01-LED-E1-SLR-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P153489
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-7030
Description: TALON MEDIUM LED SITE LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

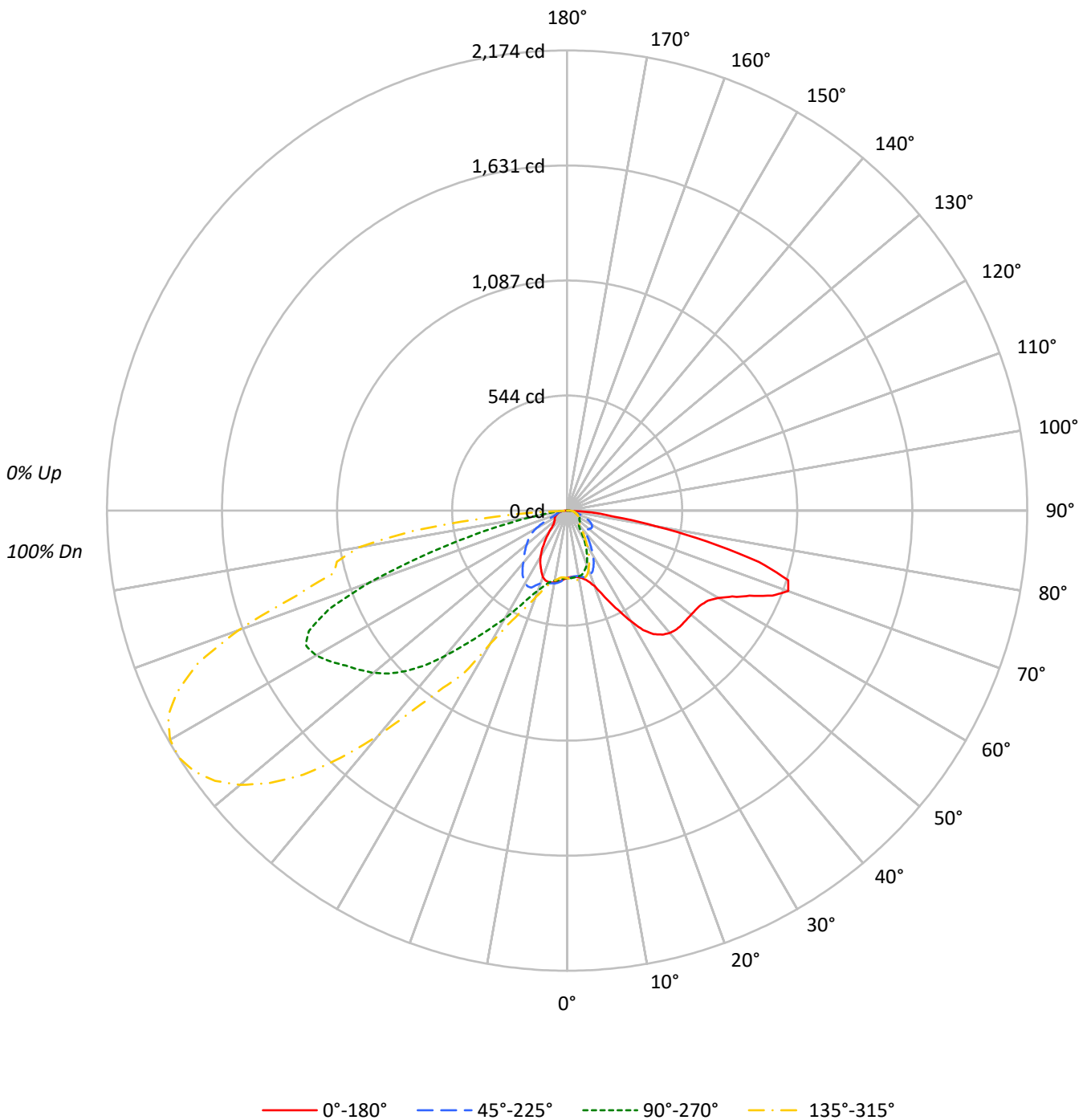
Lumens per Lamp: N/A
Luminaire Lumens: 2541.4 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Spacing Criteria (0/90/45): 1.93 / 2.47 / 2.48
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
CIE Type: Direct

Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (A_{in}): 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			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°	20223	20223	20223	20223
5°	19875	20224	21191	20746
10°	20555	20298	22136	21571
15°	22169	19757	22890	23310
20°	25625	18220	22566	27060
25°	33541	15377	20589	33136
30°	44204	11910	18366	43005
35°	55066	8139	14709	55653
40°	62404	7125	10770	74009
45°	68430	7468	8095	95848
50°	75336	7644	7733	117496
55°	85398	7827	7893	140990
60°	104448	8598	8598	173375
65°	142450	8944	9079	201749
70°	205713	9460	9590	183627
75°	229471	9981	10568	118870
80°	156863	10757	12106	57721
85°	101708	13295	14602	28115



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.1	1.2
10°-20°	96.8	3.8
20°-30°	172.0	6.8
30°-40°	270.9	10.7
40°-50°	398.6	15.7
50°-60°	529.5	20.8
60°-70°	583.3	23.0
70°-80°	365.9	14.4
80°-90°	93.2	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°	299.9	11.8
0°-40°	570.8	22.5
0°-60°	1499.0	59.0
0°-90°	2541.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2541.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	319	319	319	319	319	
5°	313	318	333	326	313	30
15°	338	301	349	356	338	98
25°	480	220	295	474	480	227
35°	712	105	190	720	712	441
45°	764	83	90	1070	764	591
55°	774	71	72	1277	774	702
65°	951	60	61	1347	951	957
75°	938	41	43	486	938	917
85°	140	18	20	39	140	162
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°	319.4	319.4	319.4	319.4	319.4	319.4	319.4	319.4	319.4	319.4	319.4
2.5°	315.1	316.0	315.7	315.7	316.3	316.0	316.0	316.3	316.3	317.2	318.5
5°	312.7	312.4	311.8	312.4	312.4	312.4	311.1	312.1	312.4	313.0	313.0
7.5°	315.7	314.8	313.6	313.9	313.9	313.3	312.4	312.7	312.4	312.4	312.1
10°	319.7	317.5	316.0	316.0	316.0	315.4	313.9	314.8	314.8	314.5	314.8
12.5°	326.7	324.2	322.4	321.8	321.8	320.9	319.7	320.9	320.3	320.3	319.7
15°	338.2	335.5	333.4	331.5	331.9	331.9	330.3	329.4	328.2	326.7	323.6
17.5°	355.6	352.6	349.8	348.3	348.6	346.5	342.2	337.9	332.2	326.4	320.0
20°	380.3	379.3	375.7	374.2	370.5	365.3	353.5	343.4	332.2	321.2	310.2
22.5°	422.9	418.6	415.0	409.2	397.0	382.7	362.9	345.2	327.6	312.1	297.4
25°	480.1	472.5	454.5	436.9	411.9	386.3	359.6	336.7	314.8	294.4	276.4
27.5°	536.4	513.3	481.3	449.4	412.8	379.3	345.9	318.8	293.2	271.0	251.2
30°	604.6	565.7	516.7	466.1	414.4	369.3	329.1	297.4	267.9	244.5	223.8
32.5°	668.6	612.2	548.0	481.6	417.7	359.9	309.9	274.0	243.6	214.0	193.6
35°	712.4	639.3	561.4	483.2	409.5	341.9	285.9	243.6	213.1	185.7	161.7
37.5°	738.6	651.2	562.0	472.2	390.3	317.5	255.4	213.4	185.4	159.2	140.4
40°	755.0	654.0	554.1	456.4	365.9	286.8	225.0	187.2	161.7	140.7	126.0
42.5°	763.0	649.7	541.3	436.3	341.3	259.4	203.7	168.1	145.8	130.9	120.0
45°	764.2	642.1	527.6	418.0	319.4	239.6	189.1	160.1	141.9	129.4	118.4
47.5°	764.2	635.4	516.7	404.6	305.1	231.1	187.8	163.5	145.5	131.5	118.4
50°	764.8	633.3	512.1	397.9	300.2	235.6	198.2	173.8	153.4	135.2	118.1
52.5°	767.5	636.0	515.7	403.1	309.0	253.9	217.7	189.4	163.8	139.4	118.1
55°	773.6	645.1	531.3	421.1	332.8	281.6	241.1	206.1	172.0	141.3	116.3
57.5°	790.7	668.3	559.6	455.8	373.3	313.6	262.4	218.0	175.1	139.7	112.6
60°	824.8	714.2	608.0	504.5	416.2	341.0	274.9	219.8	172.3	134.9	106.9
62.5°	879.3	766.9	666.7	557.4	454.2	356.2	276.4	215.2	165.0	126.0	98.3
63°	898.1	780.0	679.2	567.5	459.1	357.4	275.2	213.4	163.2	123.6	97.1
65°	950.8	835.1	722.5	602.8	472.8	357.7	268.5	204.3	154.7	114.2	88.6
67.5°	1049.1	907.6	777.0	630.5	477.7	348.0	251.5	187.2	136.7	99.6	77.9
70°	1111.2	948.1	798.0	631.1	463.4	320.3	221.9	159.5	113.9	82.5	67.0
72.5°	1095.1	908.2	742.6	574.2	401.6	267.6	178.4	125.4	88.9	66.1	55.7
75°	938.0	755.9	605.9	444.8	303.5	196.7	130.6	89.5	65.8	51.8	46.6
77.5°	675.3	544.1	434.5	316.9	204.6	127.3	86.8	63.9	49.9	42.6	38.4
80°	430.2	319.1	265.8	190.6	119.6	78.9	59.7	48.4	41.1	35.6	32.9
82.5°	224.7	157.4	127.9	97.4	66.4	52.1	43.8	39.6	33.8	29.5	28.0
85°	140.0	92.9	68.8	48.1	33.2	29.8	27.4	26.8	24.1	21.3	20.4
87.5°	15.8	14.3	14.9	9.4	7.0	7.6	7.3	9.7	9.4	7.0	7.3
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	319.4	319.4	319.4	319.4	319.4	319.4	319.4	319.4	319.4	319.4	319.4
2.5°	317.2	317.8	317.8	318.8	318.8	319.4	320.0	320.0	320.6	320.9	321.5
5°	313.6	313.6	313.6	314.8	315.1	316.9	317.5	318.2	318.8	320.9	322.1
7.5°	312.7	311.5	312.1	312.1	313.0	314.5	316.0	316.9	317.8	320.6	322.4
10°	314.5	313.6	312.7	312.7	313.0	313.6	314.8	315.7	316.3	319.1	320.6
12.5°	319.4	317.2	315.4	313.9	312.7	312.4	311.8	312.1	312.7	314.2	316.3
15°	320.3	316.3	312.4	308.4	305.4	303.5	302.0	301.4	301.4	302.3	304.8
17.5°	314.2	307.5	301.7	296.5	293.2	289.8	288.3	287.1	286.5	287.7	288.0
20°	301.1	293.2	285.3	279.2	273.1	272.2	269.7	270.4	271.0	272.8	273.7
22.5°	283.1	273.7	264.0	257.6	252.7	248.4	245.7	246.9	247.8	249.6	250.6
25°	261.2	247.5	237.2	230.8	225.6	221.9	218.9	220.1	218.9	221.0	224.4
27.5°	235.3	219.2	208.2	200.9	197.3	194.2	191.2	191.2	194.2	194.2	197.0
30°	204.0	192.1	177.8	170.2	165.6	163.8	163.5	162.9	165.0	166.2	169.3
32.5°	174.4	159.8	146.1	138.8	134.9	132.7	133.0	133.3	134.3	136.1	141.0
35°	144.6	131.8	122.1	113.9	109.9	105.9	105.9	105.3	106.3	108.4	114.2
37.5°	125.4	114.2	106.6	100.2	96.2	93.8	91.6	90.7	90.7	91.6	93.8
40°	114.8	106.6	99.6	94.1	90.4	88.3	87.1	86.2	85.6	85.6	85.9
42.5°	109.9	101.4	94.4	89.5	86.8	85.6	85.2	84.9	84.0	83.7	83.4
45°	107.5	97.7	89.8	85.9	83.7	83.1	83.4	83.4	83.1	82.5	81.3
47.5°	105.6	94.4	86.5	82.8	81.9	81.9	81.9	81.9	81.6	81.3	80.4
50°	102.6	89.2	80.7	77.9	77.3	77.3	77.6	77.6	78.2	77.6	77.0
52.5°	99.3	84.3	75.8	73.4	73.1	72.8	72.8	72.8	73.1	73.1	72.8
55°	95.6	80.7	73.4	71.5	71.9	71.5	71.2	70.9	70.9	70.6	70.0
57.5°	91.9	77.6	71.5	70.3	70.6	70.6	70.0	69.4	69.1	68.2	67.6
60°	86.5	73.4	67.9	67.3	68.2	68.2	68.2	67.9	67.9	67.6	66.1
62.5°	79.2	67.3	63.0	63.3	63.6	64.2	64.2	64.2	64.2	63.6	62.1
63°	77.6	66.1	62.1	62.1	63.0	63.0	63.3	63.0	63.3	62.7	60.9
65°	71.5	62.1	59.1	59.4	60.0	60.0	60.0	59.7	59.7	58.8	57.8
67.5°	64.5	57.2	55.4	55.7	56.0	56.6	56.3	56.3	56.6	56.0	55.1
70°	56.6	52.1	50.8	51.1	51.5	51.5	51.1	51.1	51.5	50.8	49.9
72.5°	50.5	48.7	47.8	47.8	47.2	47.2	46.6	46.3	46.0	46.0	45.1
75°	42.6	42.3	42.6	43.2	42.6	42.0	41.7	40.8	40.2	40.2	39.9
77.5°	36.5	36.5	37.1	38.1	38.4	38.4	37.4	35.9	35.6	35.6	35.6
80°	31.7	31.1	31.1	32.0	32.9	32.6	31.1	29.5	29.5	31.1	31.4
82.5°	27.7	27.7	26.8	27.1	26.8	26.5	25.0	24.1	23.7	25.0	26.2
85°	21.9	22.2	21.9	21.6	21.3	20.4	19.2	18.3	18.0	19.2	21.0
87.5°	8.8	8.5	8.2	8.5	8.2	8.8	8.5	7.9	7.6	8.5	10.4
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	319.4	319.4	319.4	319.4	319.4	319.4	319.4	319.4	319.4	319.4	319.4
2.5°	321.8	322.4	323.0	323.0	323.6	323.3	323.6	323.9	323.9	324.2	324.2
5°	323.6	324.5	325.8	327.0	327.3	328.2	329.1	328.5	329.4	330.6	330.6
7.5°	324.2	326.4	327.3	329.1	329.4	330.6	332.8	331.2	333.1	334.0	334.3
10°	323.3	325.5	327.0	329.1	330.0	332.2	334.3	333.7	335.8	337.3	337.6
12.5°	317.8	320.0	323.3	326.4	328.8	332.2	336.1	334.9	337.9	339.8	340.7
15°	307.2	309.3	313.0	317.8	322.4	327.6	332.8	333.7	336.7	338.9	339.8
17.5°	290.4	293.2	297.1	302.3	308.1	316.9	323.6	327.0	331.2	332.5	334.0
20°	274.9	277.7	280.1	283.1	287.4	295.9	304.8	311.5	316.9	321.5	322.7
22.5°	254.2	256.7	259.7	262.1	265.2	271.3	278.6	286.2	294.7	297.4	300.5
25°	229.3	230.8	235.0	236.6	238.7	243.9	249.6	255.1	263.3	269.1	270.7
27.5°	202.5	204.0	207.9	208.9	211.6	216.5	220.7	222.9	230.5	236.6	241.4
30°	171.4	175.4	180.2	180.8	183.9	186.9	190.9	193.0	200.0	206.4	212.5
32.5°	144.6	148.6	152.5	155.0	156.5	158.9	162.9	165.0	171.7	177.5	183.6
35°	117.2	122.1	126.3	129.7	130.9	134.0	137.0	139.1	146.1	151.3	155.6
37.5°	96.5	100.2	104.7	108.1	111.4	113.6	117.2	120.3	124.5	127.3	131.8
40°	86.5	88.3	90.7	93.5	96.2	98.6	101.4	103.8	106.6	110.2	113.3
42.5°	83.1	83.4	83.4	84.3	85.9	87.1	89.5	91.3	93.2	95.9	97.4
45°	80.7	80.4	79.8	79.2	79.5	80.1	81.6	82.8	84.9	86.2	86.5
47.5°	79.5	78.2	77.0	76.1	75.8	76.1	77.3	78.5	79.8	80.7	81.0
50°	75.5	74.6	72.8	71.5	70.9	71.5	73.1	73.7	74.9	75.8	76.1
52.5°	71.5	70.3	69.1	67.9	67.9	68.2	69.4	70.6	71.9	72.2	72.8
55°	69.1	67.3	66.1	65.2	64.5	65.5	66.4	67.9	69.4	69.7	70.3
57.5°	66.7	64.8	63.6	62.7	62.1	63.0	63.9	66.1	67.9	67.9	67.9
60°	65.2	63.6	61.8	60.9	60.0	60.9	62.1	64.2	66.1	65.8	65.5
62.5°	60.9	59.4	58.5	58.5	57.5	59.1	60.3	62.7	63.0	62.4	61.8
63°	59.7	58.5	57.8	57.8	57.2	58.8	60.0	62.1	62.1	61.5	60.9
65°	56.6	55.7	55.1	55.7	55.7	57.2	57.5	59.1	58.8	57.8	57.5
67.5°	54.2	53.6	53.0	53.0	53.0	53.3	53.6	54.2	53.9	53.6	53.9
70°	50.2	49.9	49.3	49.3	49.0	49.0	49.0	49.3	49.3	49.6	49.9
72.5°	45.4	44.8	44.8	45.1	44.4	44.8	45.1	44.8	45.4	45.4	45.7
75°	39.9	39.6	40.2	40.8	40.5	40.5	40.8	40.8	41.1	41.1	41.4
77.5°	35.6	35.9	36.2	36.8	37.1	37.1	37.1	36.8	37.1	37.1	37.4
80°	31.7	32.3	32.9	33.5	33.8	33.8	33.8	33.5	33.5	33.5	33.5
82.5°	28.6	29.5	30.1	30.4	30.4	30.4	30.4	30.4	30.4	29.8	29.2
85°	24.1	25.9	25.9	26.2	25.3	24.7	24.1	24.4	24.7	23.4	23.1
87.5°	12.2	12.2	12.8	13.4	13.7	13.7	15.5	14.6	14.3	14.0	13.4
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	319.4	319.4	319.4	319.4	319.4	319.4	319.4	319.4	319.4	319.4	319.4
2.5°	324.5	324.2	324.8	324.2	324.5	324.8	324.2	325.2	325.8	324.8	323.9
5°	331.2	331.2	332.8	333.4	333.7	335.5	334.6	335.2	335.8	335.5	335.8
7.5°	335.5	336.7	338.2	339.8	340.1	341.6	341.3	342.2	342.8	344.3	344.3
10°	339.2	340.7	342.8	344.3	345.9	347.1	347.7	349.5	349.8	351.0	351.0
12.5°	342.5	344.3	346.5	348.9	350.4	352.9	353.2	355.9	356.8	357.1	356.2
15°	341.9	344.0	346.5	349.2	351.9	355.0	356.8	359.6	361.1	361.7	360.2
17.5°	336.1	337.9	341.0	344.6	348.0	351.9	355.3	359.3	361.7	362.3	362.0
20°	324.8	326.1	330.0	334.9	338.9	344.9	349.8	355.9	359.9	362.9	363.8
22.5°	302.6	305.7	309.6	315.1	320.9	328.5	335.5	344.3	352.9	360.2	367.5
25°	275.8	281.3	287.4	294.7	301.7	309.6	317.5	327.6	340.1	355.3	372.6
27.5°	248.7	258.2	265.8	275.2	283.4	291.4	300.2	311.1	324.8	343.1	365.3
30°	221.3	232.0	240.2	251.2	262.1	272.8	281.6	293.2	306.6	325.2	349.5
32.5°	192.1	202.8	212.5	222.6	234.7	247.5	258.2	272.5	286.8	306.0	330.6
35°	162.0	171.4	179.6	190.3	203.7	217.4	231.4	247.8	263.3	283.4	309.6
37.5°	135.8	142.5	150.4	159.8	170.2	184.8	200.6	220.1	237.8	259.7	286.5
40°	114.2	117.8	122.4	130.3	139.7	154.1	169.6	190.3	211.6	235.6	261.5
42.5°	97.4	99.3	100.5	105.6	113.3	127.3	142.2	162.3	185.7	211.9	238.1
45°	86.5	87.4	87.7	90.4	95.9	108.1	123.6	140.7	163.2	188.8	216.2
47.5°	81.3	82.2	82.8	83.4	86.8	96.2	110.2	126.3	147.0	170.5	198.5
50°	77.0	77.9	78.9	78.5	80.1	86.2	98.0	113.0	132.4	154.1	181.8
52.5°	72.8	73.4	73.4	73.4	74.3	78.2	86.8	100.5	118.4	138.8	166.2
55°	70.3	70.9	71.2	71.5	71.9	74.0	80.4	91.3	106.9	125.7	150.4
57.5°	67.9	68.2	68.8	69.1	69.7	70.9	74.9	82.8	95.9	111.7	132.4
60°	65.8	66.4	67.6	67.9	68.5	68.8	70.6	75.5	84.0	96.2	113.0
62.5°	62.4	63.3	64.5	64.8	65.5	65.8	66.1	68.8	72.8	80.1	92.6
63°	61.5	62.4	63.9	64.2	64.5	64.5	64.8	66.7	70.3	76.7	85.9
65°	58.1	59.4	60.3	60.6	60.9	60.9	60.6	61.2	61.5	64.2	69.7
67.5°	54.5	55.4	56.0	56.3	56.0	56.3	56.0	55.4	54.8	55.4	57.8
70°	50.8	51.5	51.5	51.8	52.1	52.4	51.8	51.1	50.5	50.2	51.8
72.5°	46.6	47.2	47.2	47.5	47.5	48.1	48.1	47.8	47.8	48.1	48.4
75°	42.3	42.9	42.6	43.2	43.2	44.1	44.1	44.4	45.1	44.8	44.4
77.5°	38.4	38.7	38.7	39.0	39.3	40.8	41.7	42.0	42.0	41.4	40.8
80°	34.1	34.1	33.5	33.2	33.5	35.0	36.8	37.1	38.1	37.8	38.1
82.5°	28.6	27.4	26.5	26.5	27.1	28.0	28.6	29.2	29.8	29.8	30.4
85°	21.9	20.7	19.8	20.1	21.0	21.3	21.0	21.0	22.2	23.1	22.2
87.5°	13.1	11.9	11.3	10.4	10.7	11.6	11.3	10.4	10.7	8.5	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



TEST NUMBER: P153489

CATALOG NUMBER: TLM-E01-LED-E1-SLR-7030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	319.4	319.4	319.4	319.4	319.4	319.4	319.4	319.4	319.4	319.4	319.4
2.5°	324.5	324.2	323.6	322.7	322.4	321.8	322.1	321.2	320.6	320.0	319.1
5°	335.8	335.8	334.0	334.0	333.1	332.8	330.6	329.7	327.9	328.5	326.4
7.5°	343.7	344.6	342.5	342.2	341.0	340.7	337.9	337.0	335.5	334.9	333.1
10°	349.5	349.5	346.8	344.6	343.1	341.6	338.9	337.6	336.4	336.7	335.5
12.5°	354.1	351.9	348.0	344.9	342.8	341.3	339.2	338.2	337.9	340.1	340.4
15°	357.7	354.7	349.8	347.7	345.9	345.6	345.6	346.5	348.6	352.6	355.6
17.5°	359.9	358.0	355.6	355.0	358.0	359.9	362.3	365.0	368.1	373.6	376.9
20°	363.8	365.0	366.9	369.3	374.2	378.7	381.8	385.7	389.4	396.1	401.6
22.5°	374.2	381.2	387.0	391.8	399.1	405.5	409.5	415.0	417.7	422.3	430.8
25°	387.6	401.9	414.1	424.4	435.7	442.4	447.8	454.8	459.1	466.7	474.3
27.5°	383.6	404.0	422.3	441.5	457.0	474.3	486.5	498.1	505.4	516.7	526.7
30°	371.4	395.8	420.4	445.7	470.4	495.3	518.5	539.5	555.6	571.8	588.2
32.5°	355.0	383.0	413.1	444.2	476.5	511.2	543.1	574.8	601.6	625.0	647.9
35°	336.1	367.8	399.1	437.5	477.4	521.5	566.0	609.8	650.6	692.0	720.0
37.5°	313.6	345.9	380.9	425.0	471.9	526.4	583.0	640.3	698.1	753.8	802.2
40°	289.5	322.4	359.3	407.0	460.0	523.3	594.0	671.0	750.5	831.1	895.4
42.5°	268.2	302.0	342.2	390.6	448.2	519.4	602.8	697.5	794.6	894.5	988.9
45°	247.5	284.7	327.0	379.0	443.0	522.4	615.9	722.2	834.2	955.4	1070.4
47.5°	228.9	266.7	307.8	364.7	435.4	524.0	628.7	746.8	871.6	1002.9	1139.6
50°	212.2	248.7	289.2	346.5	423.5	523.0	640.3	769.0	903.9	1040.3	1192.8
52.5°	195.8	232.9	274.3	328.8	408.9	517.9	645.7	787.3	933.7	1078.1	1235.8
55°	179.6	216.2	257.9	312.1	389.7	504.5	645.1	799.2	957.5	1113.7	1277.2
57.5°	160.7	195.5	236.3	293.5	369.3	483.8	636.0	804.7	977.9	1149.0	1326.8
60°	137.3	169.9	209.2	266.4	342.5	457.3	616.8	801.6	989.8	1175.2	1369.1
62.5°	108.4	136.7	172.6	228.6	309.0	419.2	580.9	773.9	970.9	1171.5	1388.9
63°	102.3	129.1	164.1	219.5	294.7	408.9	570.2	763.0	961.8	1163.9	1386.2
65°	82.2	99.6	127.6	177.2	246.6	358.0	517.3	706.6	912.7	1110.3	1346.6
67.5°	63.0	71.9	86.8	121.5	174.4	281.6	418.9	598.9	792.2	977.9	1219.0
70°	53.9	57.8	64.2	80.7	110.8	177.8	294.1	446.6	614.1	775.1	991.9
72.5°	49.0	50.8	54.2	61.2	76.1	106.6	187.5	290.7	417.7	552.6	720.0
75°	45.1	46.6	49.3	53.0	58.5	70.9	106.9	177.8	271.6	362.9	485.9
77.5°	41.1	42.0	45.1	48.4	52.1	58.5	70.6	102.3	156.2	214.0	292.9
80°	37.8	37.1	39.3	44.8	48.4	52.1	55.7	66.4	88.9	117.2	158.3
82.5°	30.1	30.7	32.6	38.1	39.6	38.7	39.3	41.1	49.6	54.2	81.0
85°	20.4	18.9	18.6	19.2	19.2	18.3	18.3	18.0	19.8	22.5	38.7
87.5°	5.5	2.7	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: P153489

CATALOG NUMBER: TLM-E01-LED-E1-SLR-7030

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	319.4	319.4	319.4	319.4	319.4	319.4	319.4	319.4	319.4	319.4	319.4
2.5°	318.5	318.2	318.5	316.9	316.9	316.6	316.3	315.7	315.7	314.5	315.4
5°	324.5	323.9	322.7	320.9	320.0	318.8	318.8	317.5	316.6	315.4	315.7
7.5°	331.5	331.9	329.7	328.2	327.6	326.4	326.7	324.8	325.2	324.2	323.6
10°	335.5	335.5	336.1	335.8	336.4	336.4	337.3	336.1	335.5	334.6	334.6
12.5°	341.9	343.1	345.6	345.6	347.4	348.0	348.3	348.9	347.7	347.1	344.9
15°	357.7	360.8	362.9	365.9	369.6	370.8	370.8	369.6	369.0	368.1	364.1
17.5°	383.9	390.6	392.4	397.3	397.9	399.4	403.7	401.3	399.7	393.3	392.1
20°	410.7	419.2	427.8	433.8	436.9	443.0	443.9	442.7	436.6	430.5	427.8
22.5°	443.0	455.8	465.5	474.9	479.5	482.6	489.3	487.7	482.9	473.7	470.1
25°	488.6	504.5	514.8	526.4	532.5	535.5	542.2	542.2	537.0	534.3	534.0
27.5°	546.2	565.7	582.7	586.7	602.5	606.2	612.6	612.6	607.7	604.3	620.5
30°	610.1	630.5	660.0	679.8	699.0	717.9	717.6	718.8	724.6	727.6	734.6
32.5°	674.1	699.3	730.7	773.6	814.7	849.7	895.1	924.0	915.2	890.5	880.8
35°	751.7	779.7	817.8	861.0	936.2	981.5	1003.5	1019.0	1020.8	1024.2	1031.2
37.5°	838.2	885.0	929.2	978.2	1019.9	1075.0	1125.9	1166.7	1176.1	1195.3	1184.3
40°	947.4	999.8	1046.1	1109.4	1165.4	1231.8	1304.6	1360.6	1383.1	1375.8	1321.0
42.5°	1061.9	1126.8	1181.0	1255.6	1328.3	1416.0	1491.2	1569.4	1583.4	1527.1	1445.2
45°	1167.3	1247.6	1314.9	1392.6	1481.5	1586.5	1687.0	1767.3	1764.6	1668.1	1558.5
47.5°	1261.9	1360.6	1442.8	1543.9	1639.5	1764.6	1880.0	1939.3	1904.3	1790.2	1655.9
50°	1340.2	1463.2	1564.6	1666.9	1788.3	1939.0	2050.2	2083.7	2016.1	1891.9	1750.6
52.5°	1403.2	1557.6	1671.4	1789.3	1942.7	2101.3	2196.9	2184.4	2097.1	1969.5	1828.8
55°	1456.5	1629.7	1765.5	1904.6	2094.9	2241.1	2304.7	2271.2	2149.1	2019.7	1882.4
57.5°	1511.6	1699.7	1852.0	2013.3	2225.2	2350.7	2386.0	2317.2	2173.8	2038.9	1905.6
60°	1566.7	1758.2	1928.4	2108.3	2323.9	2440.2	2430.4	2327.5	2166.5	2024.9	1890.0
62.5°	1603.8	1792.9	1972.8	2166.8	2397.8	2485.8	2426.2	2290.7	2124.1	1969.8	1843.7
63°	1604.8	1794.1	1975.6	2170.7	2406.1	2487.4	2417.9	2277.6	2110.8	1958.5	1830.0
65°	1585.6	1771.3	1951.2	2152.8	2399.1	2452.3	2347.0	2200.3	2034.3	1880.6	1758.8
67.5°	1487.5	1676.9	1835.8	2025.8	2273.6	2288.9	2157.0	2038.6	1889.4	1730.2	1602.9
70°	1290.0	1447.4	1603.2	1761.9	1969.8	1967.1	1843.1	1782.9	1652.3	1470.8	1368.8
72.5°	1026.0	1167.3	1276.9	1383.1	1520.1	1492.4	1412.6	1429.4	1344.8	1209.3	1148.7
75°	761.7	917.0	970.6	1013.8	1071.7	1072.0	1093.9	1141.4	1140.2	1065.0	988.5
77.5°	499.6	669.5	687.4	722.2	791.6	885.9	983.4	1088.1	1114.3	1054.9	942.0
80°	278.6	455.2	434.5	464.3	539.2	667.4	811.1	926.7	994.9	961.8	842.1
82.5°	142.5	262.4	250.9	292.3	352.9	464.3	559.3	648.2	728.5	724.0	678.6
85°	74.0	143.7	163.5	185.1	215.6	255.4	291.4	317.2	350.7	409.8	429.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.0	21.9	15.8	43.5	62.1
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: P153489

CATALOG NUMBER: TLM-E01-LED-E1-SLR-7030

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	319.4	319.4	319.4	319.4	319.4	319.4	319.4
2.5°	315.7	316.0	315.4	315.4	315.7	315.7	315.1
5°	315.1	315.1	314.5	313.9	313.3	313.3	312.7
7.5°	322.1	322.1	320.0	319.1	317.5	316.3	315.7
10°	332.5	330.6	328.2	326.4	323.9	321.2	319.7
12.5°	342.8	340.1	337.0	334.3	331.2	328.2	326.7
15°	359.9	356.2	352.2	348.9	344.6	340.1	338.2
17.5°	386.0	380.3	375.1	370.2	362.6	359.3	355.6
20°	420.8	412.2	405.5	397.3	387.9	384.8	380.3
22.5°	462.8	455.5	442.1	436.0	426.5	422.0	422.9
25°	526.7	517.3	501.7	495.9	495.0	485.0	480.1
27.5°	610.1	610.7	596.4	580.9	572.4	556.5	536.4
30°	728.9	720.6	703.9	688.1	668.0	638.1	604.6
32.5°	872.6	854.3	826.6	797.1	761.4	715.5	668.6
35°	1012.9	980.9	936.8	887.5	836.0	778.8	712.4
37.5°	1136.2	1086.6	1020.5	963.9	891.1	819.6	738.6
40°	1248.9	1187.4	1102.1	1028.7	942.9	850.9	755.0
42.5°	1357.8	1279.9	1175.5	1076.2	979.1	871.9	763.0
45°	1461.7	1361.2	1237.3	1119.2	1005.6	885.6	764.2
47.5°	1541.4	1431.8	1292.7	1150.2	1023.9	896.0	764.2
50°	1615.4	1491.5	1335.0	1174.6	1040.9	903.0	764.8
52.5°	1673.0	1533.5	1362.4	1191.9	1054.3	908.2	767.5
55°	1714.7	1560.9	1380.7	1202.6	1064.1	915.5	773.6
57.5°	1743.9	1578.9	1390.7	1212.0	1075.9	928.3	790.7
60°	1757.9	1612.1	1407.5	1230.9	1096.3	955.4	824.8
62.5°	1747.2	1663.5	1455.3	1262.9	1124.6	997.7	879.3
63°	1742.7	1673.0	1468.4	1269.9	1131.0	1006.8	898.1
65°	1707.1	1682.4	1522.3	1305.2	1161.5	1047.3	950.8
67.5°	1596.5	1645.2	1567.6	1364.8	1226.9	1145.6	1049.1
70°	1453.4	1590.1	1559.4	1372.5	1268.6	1226.3	1111.2
72.5°	1282.0	1423.6	1395.0	1271.1	1222.7	1227.2	1095.1
75°	1008.9	1115.2	1096.3	1052.8	1062.5	1096.0	938.0
77.5°	808.3	794.0	750.5	753.5	809.8	849.1	675.3
80°	660.4	534.6	478.0	479.5	577.8	618.6	430.2
82.5°	628.4	505.7	411.9	359.9	420.4	404.9	224.7
85°	447.5	448.5	372.0	302.3	292.9	249.0	140.0
87.5°	105.9	84.9	60.6	45.1	47.5	31.4	15.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)