

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: P153488

Luminaire Tested: **TLM-E01-LED-E1-SLR-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P153488
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-8030
Description: TALON MEDIUM LED SITE LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

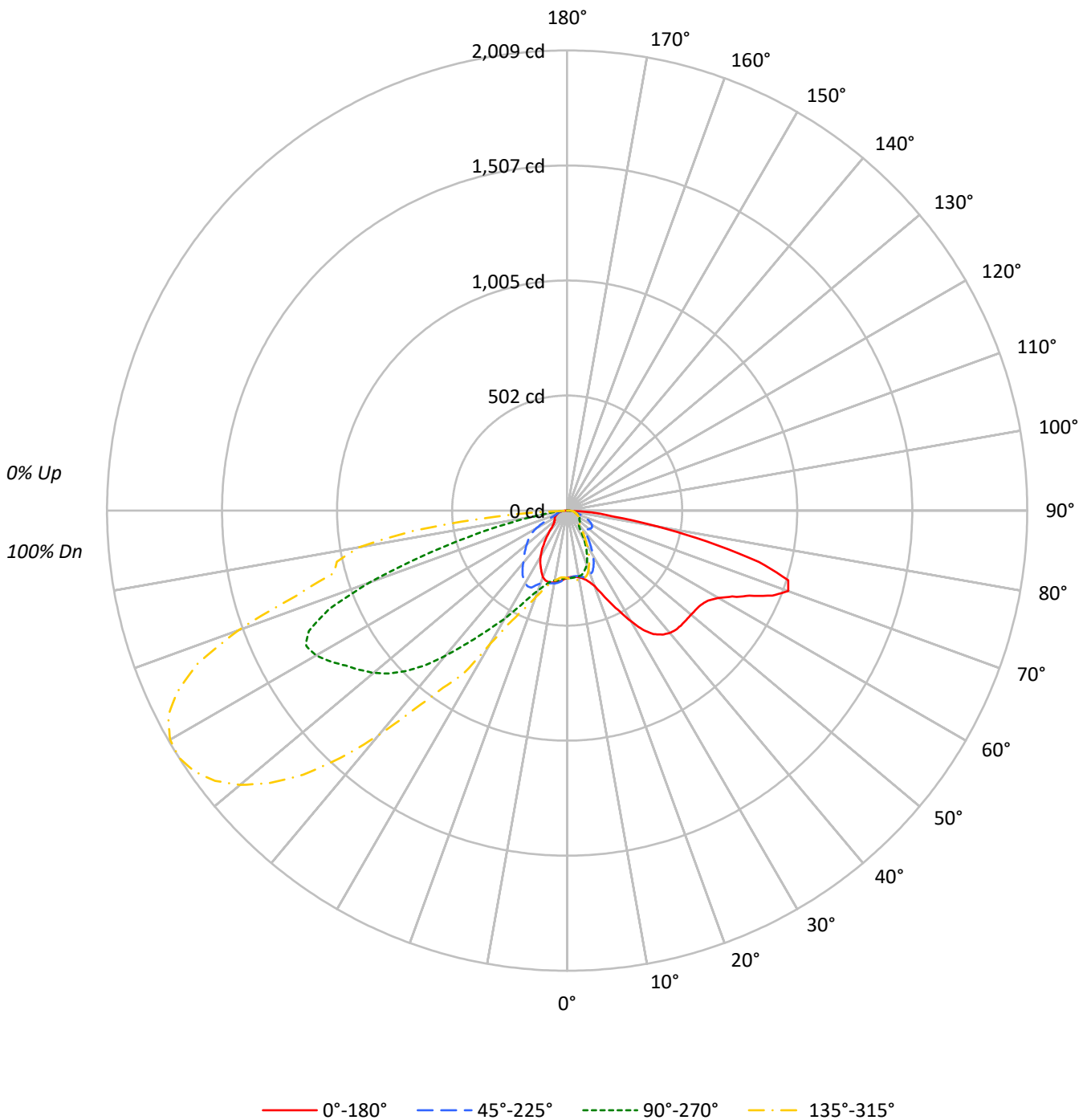
Lumens per Lamp: N/A
Luminaire Lumens: 2348.4 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Spacing Criteria (0/90/45): 1.93 / 2.48 / 2.48
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
CIE Type: Direct

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°	18685	18685	18685	18685
5°	18362	18686	19583	19169
10°	18992	18755	20458	19931
15°	20491	18256	21153	21540
20°	23678	16832	20854	25005
25°	30998	14210	19024	30621
30°	40848	11003	16969	39737
35°	50884	7521	13589	51425
40°	57668	6579	9952	68388
45°	63227	6904	7486	88577
50°	69613	7063	7151	108581
55°	78918	7231	7297	130282
60°	96508	7940	7940	160205
65°	131633	8255	8390	186422
70°	190107	8757	8849	169687
75°	212053	9223	9761	109843
80°	144940	9954	11194	53345
85°	94007	12278	13513	25935



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.7	1.2
10°-20°	89.5	3.8
20°-30°	159.0	6.8
30°-40°	250.3	10.7
40°-50°	368.4	15.7
50°-60°	489.3	20.8
60°-70°	539.0	23.0
70°-80°	338.1	14.4
80°-90°	86.1	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°	277.1	11.8
0°-40°	527.5	22.5
0°-60°	1385.1	59.0
0°-90°	2348.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2348.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	295	295	295	295	295	
5°	289	294	308	302	289	28
15°	313	278	323	329	313	91
25°	444	203	272	438	444	209
35°	658	97	176	665	658	408
45°	706	77	84	989	706	546
55°	715	66	66	1180	715	648
65°	879	55	56	1244	879	885
75°	867	38	40	449	867	848
85°	129	17	19	36	129	150
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°	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1
2.5°	291.2	292.0	291.7	291.7	292.3	292.0	292.0	292.3	292.3	293.1	294.3
5°	288.9	288.6	288.1	288.6	288.6	288.6	287.5	288.4	288.6	289.2	289.2
7.5°	291.7	290.9	289.8	290.1	290.1	289.5	288.6	288.9	288.6	288.6	288.4
10°	295.4	293.4	292.0	292.0	292.0	291.5	290.1	290.9	290.9	290.6	290.9
12.5°	301.9	299.6	297.9	297.4	297.4	296.5	295.4	296.5	296.0	296.0	295.4
15°	312.6	310.0	308.1	306.4	306.7	306.7	305.2	304.4	303.3	301.9	299.1
17.5°	328.6	325.8	323.2	321.8	322.1	320.2	316.2	312.3	306.9	301.6	295.7
20°	351.4	350.5	347.2	345.8	342.4	337.6	326.6	317.3	306.9	296.8	286.7
22.5°	390.8	386.8	383.5	378.1	366.9	353.6	335.3	319.0	302.7	288.4	274.9
25°	443.7	436.6	420.0	403.7	380.6	357.0	332.3	311.2	290.9	272.0	255.4
27.5°	495.7	474.3	444.8	415.2	381.5	350.5	319.6	294.6	270.9	250.4	232.1
30°	558.7	522.7	477.4	430.7	382.9	341.3	304.1	274.9	247.6	225.9	206.8
32.5°	617.8	565.8	506.4	445.1	386.0	332.5	286.4	253.2	225.1	197.8	178.9
35°	658.3	590.8	518.8	446.5	378.4	315.9	264.2	225.1	196.9	171.6	149.4
37.5°	682.5	601.8	519.3	436.3	360.7	293.4	236.0	197.2	171.3	147.1	129.7
40°	697.7	604.3	512.0	421.7	338.2	265.0	207.9	173.0	149.4	130.0	116.5
42.5°	705.0	600.4	500.2	403.1	315.4	239.7	188.2	155.3	134.8	121.0	110.8
45°	706.1	593.3	487.5	386.3	295.1	221.4	174.7	148.0	131.1	119.6	109.4
47.5°	706.1	587.1	477.4	373.9	281.9	213.5	173.6	151.1	134.5	121.5	109.4
50°	706.7	585.2	473.2	367.7	277.4	217.7	183.1	160.6	141.8	124.9	109.2
52.5°	709.2	587.7	476.6	372.5	285.6	234.6	201.2	175.0	151.4	128.8	109.2
55°	714.9	596.1	490.9	389.1	307.5	260.2	222.8	190.5	159.0	130.5	107.5
57.5°	730.6	617.5	517.1	421.2	344.9	289.8	242.5	201.4	161.8	129.1	104.1
60°	762.1	660.0	561.8	466.2	384.6	315.1	254.0	203.1	159.2	124.6	98.7
62.5°	812.5	708.7	616.1	515.1	419.7	329.2	255.4	198.9	152.5	116.5	90.9
63°	829.9	720.8	627.6	524.4	424.2	330.3	254.3	197.2	150.8	114.2	89.7
65°	878.6	771.7	667.6	557.0	436.9	330.6	248.1	188.8	142.9	105.5	81.9
67.5°	969.5	838.6	718.0	582.6	441.4	321.6	232.4	173.0	126.3	92.0	72.0
70°	1026.9	876.1	737.4	583.2	428.2	296.0	205.1	147.4	105.2	76.2	61.9
72.5°	1011.9	839.2	686.2	530.6	371.1	247.3	164.9	115.9	82.1	61.0	51.5
75°	866.8	698.5	559.8	411.0	280.5	181.7	120.7	82.7	60.8	47.8	43.0
77.5°	624.0	502.7	401.5	292.9	189.1	117.6	80.2	59.1	46.1	39.4	35.4
80°	397.5	294.8	245.6	176.1	110.6	72.9	55.1	44.7	38.0	32.9	30.4
82.5°	207.6	145.4	118.2	90.0	61.3	48.1	40.5	36.6	31.2	27.3	25.9
85°	129.4	85.8	63.6	44.5	30.7	27.6	25.3	24.8	22.2	19.7	18.8
87.5°	14.6	13.2	13.8	8.7	6.5	7.0	6.8	9.0	8.7	6.5	6.8
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1
2.5°	293.1	293.7	293.7	294.6	294.6	295.1	295.7	295.7	296.2	296.5	297.1
5°	289.8	289.8	289.8	290.9	291.2	292.9	293.4	294.0	294.6	296.5	297.6
7.5°	288.9	287.8	288.4	288.4	289.2	290.6	292.0	292.9	293.7	296.2	297.9
10°	290.6	289.8	288.9	288.9	289.2	289.8	290.9	291.7	292.3	294.8	296.2
12.5°	295.1	293.1	291.5	290.1	288.9	288.6	288.1	288.4	288.9	290.3	292.3
15°	296.0	292.3	288.6	285.0	282.2	280.5	279.1	278.5	278.5	279.4	281.6
17.5°	290.3	284.1	278.8	274.0	270.9	267.8	266.4	265.3	264.7	265.9	266.1
20°	278.2	270.9	263.6	258.0	252.4	251.5	249.3	249.8	250.4	252.1	252.9
22.5°	261.6	252.9	243.9	238.0	233.5	229.6	227.0	228.2	229.0	230.7	231.5
25°	241.4	228.7	219.2	213.2	208.5	205.1	202.3	203.4	202.3	204.2	207.3
27.5°	217.5	202.6	192.4	185.7	182.3	179.5	176.7	176.7	179.5	179.5	182.0
30°	188.5	177.5	164.3	157.3	153.0	151.4	151.1	150.5	152.5	153.6	156.4
32.5°	161.2	147.7	135.0	128.3	124.6	122.7	122.9	123.2	124.1	125.8	130.3
35°	133.6	121.8	112.8	105.2	101.6	97.9	97.9	97.3	98.2	100.2	105.5
37.5°	115.9	105.5	98.5	92.6	88.9	86.6	84.7	83.8	83.8	84.7	86.6
40°	106.1	98.5	92.0	86.9	83.6	81.6	80.5	79.6	79.1	79.1	79.3
42.5°	101.6	93.7	87.2	82.7	80.2	79.1	78.8	78.5	77.6	77.4	77.1
45°	99.3	90.3	83.0	79.3	77.4	76.8	77.1	77.1	76.8	76.2	75.1
47.5°	97.6	87.2	79.9	76.5	75.7	75.7	75.7	75.7	75.4	75.1	74.3
50°	94.8	82.4	74.6	72.0	71.5	71.5	71.7	71.7	72.3	71.7	71.2
52.5°	91.7	77.9	70.1	67.8	67.5	67.2	67.2	67.2	67.5	67.5	67.2
55°	88.3	74.6	67.8	66.1	66.4	66.1	65.8	65.5	65.5	65.3	64.7
57.5°	85.0	71.7	66.1	65.0	65.3	65.3	64.7	64.1	63.9	63.0	62.5
60°	79.9	67.8	62.7	62.2	63.0	63.0	63.0	62.7	62.7	62.5	61.0
62.5°	73.1	62.2	58.2	58.5	58.8	59.4	59.4	59.4	59.4	58.8	57.4
63°	71.7	61.0	57.4	57.4	58.2	58.2	58.5	58.2	58.5	58.0	56.3
65°	66.1	57.4	54.6	54.9	55.4	55.4	55.4	55.1	55.1	54.3	53.5
67.5°	59.6	52.9	51.2	51.5	51.8	52.3	52.0	52.0	52.3	51.8	50.9
70°	52.3	48.1	47.0	47.3	47.5	47.5	47.3	47.3	47.5	47.0	46.1
72.5°	46.7	45.0	44.2	44.2	43.6	43.6	43.0	42.8	42.5	42.5	41.6
75°	39.4	39.1	39.4	39.9	39.4	38.8	38.5	37.7	37.1	37.1	36.9
77.5°	33.8	33.8	34.3	35.2	35.4	35.4	34.6	33.2	32.9	32.9	32.9
80°	29.3	28.7	28.7	29.5	30.4	30.1	28.7	27.3	27.3	28.7	29.0
82.5°	25.6	25.6	24.8	25.0	24.8	24.5	23.1	22.2	21.9	23.1	24.2
85°	20.3	20.5	20.3	20.0	19.7	18.8	17.7	16.9	16.6	17.7	19.4
87.5°	8.2	7.9	7.6	7.9	7.6	8.2	7.9	7.3	7.0	7.9	9.6
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°	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1
2.5°	297.4	297.9	298.5	298.5	299.1	298.8	299.1	299.3	299.3	299.6	299.6
5°	299.1	299.9	301.0	302.1	302.4	303.3	304.1	303.6	304.4	305.5	305.5
7.5°	299.6	301.6	302.4	304.1	304.4	305.5	307.5	306.1	307.8	308.6	308.9
10°	298.8	300.7	302.1	304.1	305.0	306.9	308.9	308.3	310.3	311.7	312.0
12.5°	293.7	295.7	298.8	301.6	303.8	306.9	310.6	309.5	312.3	314.0	314.8
15°	283.9	285.8	289.2	293.7	297.9	302.7	307.5	308.3	311.2	313.1	314.0
17.5°	268.4	270.9	274.6	279.4	284.7	292.9	299.1	302.1	306.1	307.2	308.6
20°	254.0	256.6	258.8	261.6	265.6	273.5	281.6	287.8	292.9	297.1	298.2
22.5°	234.9	237.2	240.0	242.2	245.0	250.7	257.4	264.5	272.3	274.9	277.7
25°	211.8	213.2	217.2	218.6	220.6	225.3	230.7	235.8	243.4	248.7	250.1
27.5°	187.1	188.5	192.1	193.0	195.5	200.0	204.0	205.9	213.0	218.6	223.1
30°	158.4	162.0	166.5	167.1	169.9	172.7	176.4	178.4	184.8	190.7	196.4
32.5°	133.6	137.3	140.9	143.2	144.6	146.9	150.5	152.5	158.7	164.0	169.6
35°	108.3	112.8	116.8	119.8	121.0	123.8	126.6	128.6	135.0	139.8	143.8
37.5°	89.2	92.6	96.8	99.9	103.0	104.9	108.3	111.1	115.1	117.6	121.8
40°	79.9	81.6	83.8	86.4	88.9	91.2	93.7	95.9	98.5	101.8	104.7
42.5°	76.8	77.1	77.1	77.9	79.3	80.5	82.7	84.4	86.1	88.6	90.0
45°	74.6	74.3	73.7	73.1	73.4	74.0	75.4	76.5	78.5	79.6	79.9
47.5°	73.4	72.3	71.2	70.3	70.1	70.3	71.5	72.6	73.7	74.6	74.8
50°	69.8	68.9	67.2	66.1	65.5	66.1	67.5	68.1	69.2	70.1	70.3
52.5°	66.1	65.0	63.9	62.7	62.7	63.0	64.1	65.3	66.4	66.7	67.2
55°	63.9	62.2	61.0	60.2	59.6	60.5	61.3	62.7	64.1	64.4	65.0
57.5°	61.6	59.9	58.8	58.0	57.4	58.2	59.1	61.0	62.7	62.7	62.7
60°	60.2	58.8	57.1	56.3	55.4	56.3	57.4	59.4	61.0	60.8	60.5
62.5°	56.3	54.9	54.0	54.0	53.2	54.6	55.7	58.0	58.2	57.7	57.1
63°	55.1	54.0	53.5	53.5	52.9	54.3	55.4	57.4	57.4	56.8	56.3
65°	52.3	51.5	50.9	51.5	51.5	52.9	53.2	54.6	54.3	53.5	53.2
67.5°	50.1	49.5	49.0	49.0	49.0	49.2	49.5	50.1	49.8	49.5	49.8
70°	46.4	46.1	45.6	45.6	45.3	45.3	45.3	45.6	45.6	45.9	46.1
72.5°	41.9	41.4	41.4	41.6	41.1	41.4	41.6	41.4	41.9	41.9	42.2
75°	36.9	36.6	37.1	37.7	37.4	37.4	37.7	37.7	38.0	38.0	38.3
77.5°	32.9	33.2	33.5	34.0	34.3	34.3	34.3	34.0	34.3	34.3	34.6
80°	29.3	29.8	30.4	30.9	31.2	31.2	31.2	30.9	30.9	30.9	30.9
82.5°	26.4	27.3	27.9	28.1	28.1	28.1	28.1	28.1	28.1	27.6	27.0
85°	22.2	23.9	23.9	24.2	23.4	22.8	22.2	22.5	22.8	21.7	21.4
87.5°	11.3	11.3	11.8	12.4	12.7	12.7	14.3	13.5	13.2	12.9	12.4
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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CATALOG NUMBER: TLM-E01-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1
2.5°	299.9	299.6	300.2	299.6	299.9	300.2	299.6	300.5	301.0	300.2	299.3
5°	306.1	306.1	307.5	308.1	308.3	310.0	309.2	309.7	310.3	310.0	310.3
7.5°	310.0	311.2	312.6	314.0	314.2	315.7	315.4	316.2	316.8	318.2	318.2
10°	313.4	314.8	316.8	318.2	319.6	320.7	321.3	323.0	323.2	324.4	324.4
12.5°	316.5	318.2	320.2	322.4	323.8	326.1	326.3	328.9	329.7	330.0	329.2
15°	315.9	317.9	320.2	322.7	325.2	328.0	329.7	332.3	333.7	334.2	332.8
17.5°	310.6	312.3	315.1	318.5	321.6	325.2	328.3	332.0	334.2	334.8	334.5
20°	300.2	301.3	305.0	309.5	313.1	318.7	323.2	328.9	332.5	335.3	336.2
22.5°	279.6	282.5	286.1	291.2	296.5	303.6	310.0	318.2	326.1	332.8	339.6
25°	254.9	259.9	265.6	272.3	278.8	286.1	293.4	302.7	314.2	328.3	344.3
27.5°	229.8	238.6	245.6	254.3	261.9	269.2	277.4	287.5	300.2	317.1	337.6
30°	204.5	214.4	222.0	232.1	242.2	252.1	260.2	270.9	283.3	300.5	323.0
32.5°	177.5	187.4	196.4	205.7	216.9	228.7	238.6	251.8	265.0	282.7	305.5
35°	149.7	158.4	166.0	175.8	188.2	200.9	213.8	229.0	243.4	261.9	286.1
37.5°	125.5	131.7	139.0	147.7	157.3	170.8	185.4	203.4	219.7	240.0	264.7
40°	105.5	108.9	113.1	120.4	129.1	142.4	156.7	175.8	195.5	217.7	241.7
42.5°	90.0	91.7	92.8	97.6	104.7	117.6	131.4	149.9	171.6	195.8	220.0
45°	79.9	80.7	81.0	83.6	88.6	99.9	114.2	130.0	150.8	174.4	199.7
47.5°	75.1	76.0	76.5	77.1	80.2	88.9	101.8	116.8	135.9	157.5	183.4
50°	71.2	72.0	72.9	72.6	74.0	79.6	90.6	104.4	122.4	142.4	168.0
52.5°	67.2	67.8	67.8	67.8	68.6	72.3	80.2	92.8	109.4	128.3	153.6
55°	65.0	65.5	65.8	66.1	66.4	68.4	74.3	84.4	98.7	116.2	139.0
57.5°	62.7	63.0	63.6	63.9	64.4	65.5	69.2	76.5	88.6	103.2	122.4
60°	60.8	61.3	62.5	62.7	63.3	63.6	65.3	69.8	77.6	88.9	104.4
62.5°	57.7	58.5	59.6	59.9	60.5	60.8	61.0	63.6	67.2	74.0	85.5
63°	56.8	57.7	59.1	59.4	59.6	59.6	59.9	61.6	65.0	70.9	79.3
65°	53.7	54.9	55.7	56.0	56.3	56.3	56.0	56.5	56.8	59.4	64.4
67.5°	50.4	51.2	51.8	52.0	51.8	52.0	51.8	51.2	50.6	51.2	53.5
70°	47.0	47.5	47.5	47.8	48.1	48.4	47.8	47.3	46.7	46.4	47.8
72.5°	43.0	43.6	43.6	43.9	43.9	44.5	44.5	44.2	44.2	44.5	44.7
75°	39.1	39.7	39.4	39.9	39.9	40.8	40.8	41.1	41.6	41.4	41.1
77.5°	35.4	35.7	35.7	36.0	36.3	37.7	38.5	38.8	38.8	38.3	37.7
80°	31.5	31.5	30.9	30.7	30.9	32.4	34.0	34.3	35.2	34.9	35.2
82.5°	26.4	25.3	24.5	24.5	25.0	25.9	26.4	27.0	27.6	27.6	28.1
85°	20.3	19.1	18.3	18.6	19.4	19.7	19.4	19.4	20.5	21.4	20.5
87.5°	12.1	11.0	10.4	9.6	9.8	10.7	10.4	9.6	9.8	7.9	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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1
2.5°	299.9	299.6	299.1	298.2	297.9	297.4	297.6	296.8	296.2	295.7	294.8
5°	310.3	310.3	308.6	308.6	307.8	307.5	305.5	304.7	303.0	303.6	301.6
7.5°	317.6	318.5	316.5	316.2	315.1	314.8	312.3	311.4	310.0	309.5	307.8
10°	323.0	323.0	320.4	318.5	317.1	315.7	313.1	312.0	310.9	311.2	310.0
12.5°	327.2	325.2	321.6	318.7	316.8	315.4	313.4	312.6	312.3	314.2	314.5
15°	330.6	327.7	323.2	321.3	319.6	319.3	319.3	320.2	322.1	325.8	328.6
17.5°	332.5	330.8	328.6	328.0	330.8	332.5	334.8	337.3	340.1	345.2	348.3
20°	336.2	337.3	339.0	341.3	345.8	350.0	352.8	356.4	359.8	366.0	371.1
22.5°	345.8	352.2	357.6	362.1	368.8	374.7	378.4	383.5	386.0	390.2	398.1
25°	358.1	371.4	382.6	392.2	402.6	408.8	413.8	420.3	424.2	431.3	438.3
27.5°	354.5	373.3	390.2	407.9	422.3	438.3	449.6	460.3	467.0	477.4	486.7
30°	343.2	365.7	388.5	411.9	434.7	457.7	479.1	498.5	513.4	528.3	543.5
32.5°	328.0	353.9	381.8	410.5	440.3	472.4	501.9	531.2	555.9	577.6	598.7
35°	310.6	339.8	368.8	404.3	441.1	481.9	523.0	563.5	601.2	639.5	665.3
37.5°	289.8	319.6	351.9	392.7	436.1	486.4	538.7	591.6	645.1	696.6	741.3
40°	267.5	297.9	332.0	376.1	425.1	483.6	548.9	620.1	693.5	768.0	827.4
42.5°	247.9	279.1	316.2	360.9	414.1	479.9	557.0	644.5	734.3	826.5	913.8
45°	228.7	263.0	302.1	350.3	409.3	482.8	569.1	667.3	770.8	882.8	989.2
47.5°	211.6	246.4	284.4	337.0	402.3	484.2	580.9	690.1	805.4	926.7	1053.0
50°	196.1	229.8	267.3	320.2	391.3	483.3	591.6	710.6	835.3	961.3	1102.3
52.5°	180.9	215.2	253.5	303.8	377.8	478.5	596.7	727.5	862.8	996.2	1141.9
55°	166.0	199.7	238.3	288.4	360.1	466.2	596.1	738.5	884.8	1029.1	1180.2
57.5°	148.5	180.6	218.3	271.2	341.3	447.0	587.7	743.6	903.6	1061.7	1226.0
60°	126.9	157.0	193.3	246.2	316.5	422.6	570.0	740.7	914.6	1085.9	1265.1
62.5°	100.2	126.3	159.5	211.3	285.6	387.4	536.8	715.1	897.2	1082.6	1283.4
63°	94.5	119.3	151.6	202.8	272.3	377.8	526.9	705.0	888.7	1075.5	1280.9
65°	76.0	92.0	117.9	163.7	227.9	330.8	478.0	653.0	843.4	1026.0	1244.3
67.5°	58.2	66.4	80.2	112.3	161.2	260.2	387.1	553.4	732.0	903.6	1126.4
70°	49.8	53.5	59.4	74.6	102.4	164.3	271.8	412.7	567.4	716.3	916.6
72.5°	45.3	47.0	50.1	56.5	70.3	98.5	173.3	268.7	386.0	510.6	665.3
75°	41.6	43.0	45.6	49.0	54.0	65.5	98.7	164.3	250.9	335.3	449.0
77.5°	38.0	38.8	41.6	44.7	48.1	54.0	65.3	94.5	144.3	197.8	270.6
80°	34.9	34.3	36.3	41.4	44.7	48.1	51.5	61.3	82.1	108.3	146.3
82.5°	27.9	28.4	30.1	35.2	36.6	35.7	36.3	38.0	45.9	50.1	74.8
85°	18.8	17.4	17.2	17.7	17.7	16.9	16.9	16.6	18.3	20.8	35.7
87.5°	5.1	2.5	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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CATALOG NUMBER: TLM-E01-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1	295.1
2.5°	294.3	294.0	294.3	292.9	292.9	292.6	292.3	291.7	291.7	290.6	291.5
5°	299.9	299.3	298.2	296.5	295.7	294.6	294.6	293.4	292.6	291.5	291.7
7.5°	306.4	306.7	304.7	303.3	302.7	301.6	301.9	300.2	300.5	299.6	299.1
10°	310.0	310.0	310.6	310.3	310.9	310.9	311.7	310.6	310.0	309.2	309.2
12.5°	315.9	317.1	319.3	319.3	321.0	321.6	321.8	322.4	321.3	320.7	318.7
15°	330.6	333.4	335.3	338.2	341.5	342.7	342.7	341.5	341.0	340.1	336.5
17.5°	354.8	360.9	362.6	367.1	367.7	369.1	373.0	370.8	369.4	363.5	362.4
20°	379.5	387.4	395.3	400.9	403.7	409.3	410.2	409.1	403.4	397.8	395.3
22.5°	409.3	421.2	430.2	438.9	443.1	445.9	452.1	450.7	446.2	437.7	434.4
25°	451.5	466.2	475.7	486.4	492.0	494.9	501.0	501.0	496.3	493.7	493.5
27.5°	504.7	522.7	538.5	542.1	556.8	560.1	566.0	566.0	561.5	558.4	573.4
30°	563.8	582.6	609.9	628.2	645.9	663.4	663.1	664.2	669.6	672.4	678.9
32.5°	622.9	646.2	675.2	714.9	752.8	785.2	827.1	853.8	845.7	822.9	813.9
35°	694.6	720.5	755.7	795.6	865.1	907.0	927.3	941.6	943.3	946.4	952.9
37.5°	774.5	817.8	858.6	903.9	942.5	993.4	1040.4	1078.1	1086.8	1104.5	1094.4
40°	875.5	923.9	966.7	1025.2	1076.9	1138.3	1205.5	1257.3	1278.1	1271.3	1220.7
42.5°	981.3	1041.2	1091.3	1160.2	1227.4	1308.5	1378.0	1450.3	1463.2	1411.2	1335.5
45°	1078.6	1152.9	1215.1	1286.8	1369.0	1466.0	1558.9	1633.1	1630.6	1541.4	1440.1
47.5°	1166.1	1257.3	1333.2	1426.6	1515.0	1630.6	1737.2	1792.1	1759.7	1654.2	1530.2
50°	1238.4	1352.1	1445.8	1540.3	1652.5	1791.8	1894.5	1925.4	1863.0	1748.2	1617.6
52.5°	1296.7	1439.3	1544.5	1653.4	1795.2	1941.7	2030.1	2018.5	1937.8	1819.9	1690.0
55°	1345.9	1506.0	1631.4	1760.0	1935.8	2070.9	2129.7	2098.7	1985.9	1866.3	1739.5
57.5°	1396.8	1570.7	1711.3	1860.4	2056.2	2172.2	2204.8	2141.2	2008.7	1884.1	1760.8
60°	1447.7	1624.7	1781.9	1948.2	2147.4	2254.9	2245.9	2150.8	2001.9	1871.1	1746.5
62.5°	1482.0	1656.8	1823.0	2002.2	2215.8	2297.1	2241.9	2116.7	1962.8	1820.2	1703.7
63°	1482.9	1657.9	1825.6	2005.9	2223.4	2298.5	2234.3	2104.6	1950.5	1809.8	1691.1
65°	1465.2	1636.8	1803.0	1989.3	2216.9	2266.1	2168.8	2033.2	1879.8	1737.8	1625.2
67.5°	1374.6	1549.6	1696.4	1872.0	2101.0	2115.0	1993.2	1883.8	1745.9	1598.8	1481.2
70°	1192.0	1337.4	1481.5	1628.1	1820.2	1817.7	1703.2	1647.5	1526.8	1359.1	1264.9
72.5°	948.1	1078.6	1179.9	1278.1	1404.7	1379.1	1305.4	1320.8	1242.6	1117.4	1061.5
75°	703.9	847.4	896.9	936.8	990.3	990.6	1010.8	1054.7	1053.6	984.1	913.5
77.5°	461.7	618.6	635.2	667.3	731.5	818.7	908.7	1005.5	1029.7	974.8	870.4
80°	257.4	420.6	401.5	429.0	498.2	616.7	749.5	856.4	919.4	888.7	778.2
82.5°	131.7	242.5	231.8	270.1	326.1	429.0	516.8	599.0	673.2	669.0	627.1
85°	68.4	132.8	151.1	171.0	199.2	236.0	269.2	293.1	324.1	378.7	397.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.0	20.3	14.6	40.2	57.4
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: P153488

CATALOG NUMBER: TLM-E01-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	295.1	295.1	295.1	295.1	295.1	295.1	295.1
2.5°	291.7	292.0	291.5	291.5	291.7	291.7	291.2
5°	291.2	291.2	290.6	290.1	289.5	289.5	288.9
7.5°	297.6	297.6	295.7	294.8	293.4	292.3	291.7
10°	307.2	305.5	303.3	301.6	299.3	296.8	295.4
12.5°	316.8	314.2	311.4	308.9	306.1	303.3	301.9
15°	332.5	329.2	325.5	322.4	318.5	314.2	312.6
17.5°	356.7	351.4	346.6	342.1	335.1	332.0	328.6
20°	388.8	380.9	374.7	367.1	358.4	355.6	351.4
22.5°	427.6	420.9	408.5	402.9	394.1	389.9	390.8
25°	486.7	478.0	463.6	458.3	457.4	448.2	443.7
27.5°	563.8	564.3	551.1	536.8	528.9	514.3	495.7
30°	673.5	665.9	650.4	635.8	617.2	589.7	558.7
32.5°	806.3	789.4	763.8	736.5	703.6	661.1	617.8
35°	936.0	906.4	865.7	820.1	772.5	719.6	658.3
37.5°	1049.9	1004.1	943.0	890.7	823.5	757.3	682.5
40°	1154.0	1097.2	1018.4	950.6	871.3	786.3	697.7
42.5°	1254.7	1182.7	1086.2	994.5	904.8	805.7	705.0
45°	1350.7	1257.8	1143.3	1034.2	929.2	818.4	706.1
47.5°	1424.4	1323.1	1194.5	1062.9	946.1	828.0	706.1
50°	1492.7	1378.2	1233.6	1085.4	961.9	834.4	706.7
52.5°	1545.9	1417.1	1259.0	1101.4	974.2	839.2	709.2
55°	1584.5	1442.4	1275.8	1111.3	983.2	846.0	714.9
57.5°	1611.5	1459.0	1285.1	1120.0	994.2	857.8	730.6
60°	1624.4	1489.6	1300.6	1137.4	1013.1	882.8	762.1
62.5°	1614.6	1537.2	1344.8	1167.0	1039.2	921.9	812.5
63°	1610.3	1545.9	1356.9	1173.4	1045.1	930.4	829.9
65°	1577.4	1554.6	1406.7	1206.1	1073.3	967.8	878.6
67.5°	1475.3	1520.3	1448.6	1261.2	1133.8	1058.6	969.5
70°	1343.1	1469.4	1441.0	1268.2	1172.3	1133.2	1026.9
72.5°	1184.7	1315.5	1289.1	1174.6	1129.8	1134.0	1011.9
75°	932.3	1030.5	1013.1	972.8	981.8	1012.8	866.8
77.5°	746.9	733.7	693.5	696.3	748.3	784.6	624.0
80°	610.2	494.0	441.7	443.1	534.0	571.7	397.5
82.5°	580.7	467.3	380.6	332.5	388.5	374.2	207.6
85°	413.6	414.4	343.8	279.4	270.6	230.1	129.4
87.5°	97.9	78.5	56.0	41.6	43.9	29.0	14.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)