

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: P153493

Luminaire Tested: **TLM-F01-LED-E1-SLR-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P153493
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-F01-LED-E1-SLR-8030
Description: TALON MEDIUM LED SITE LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

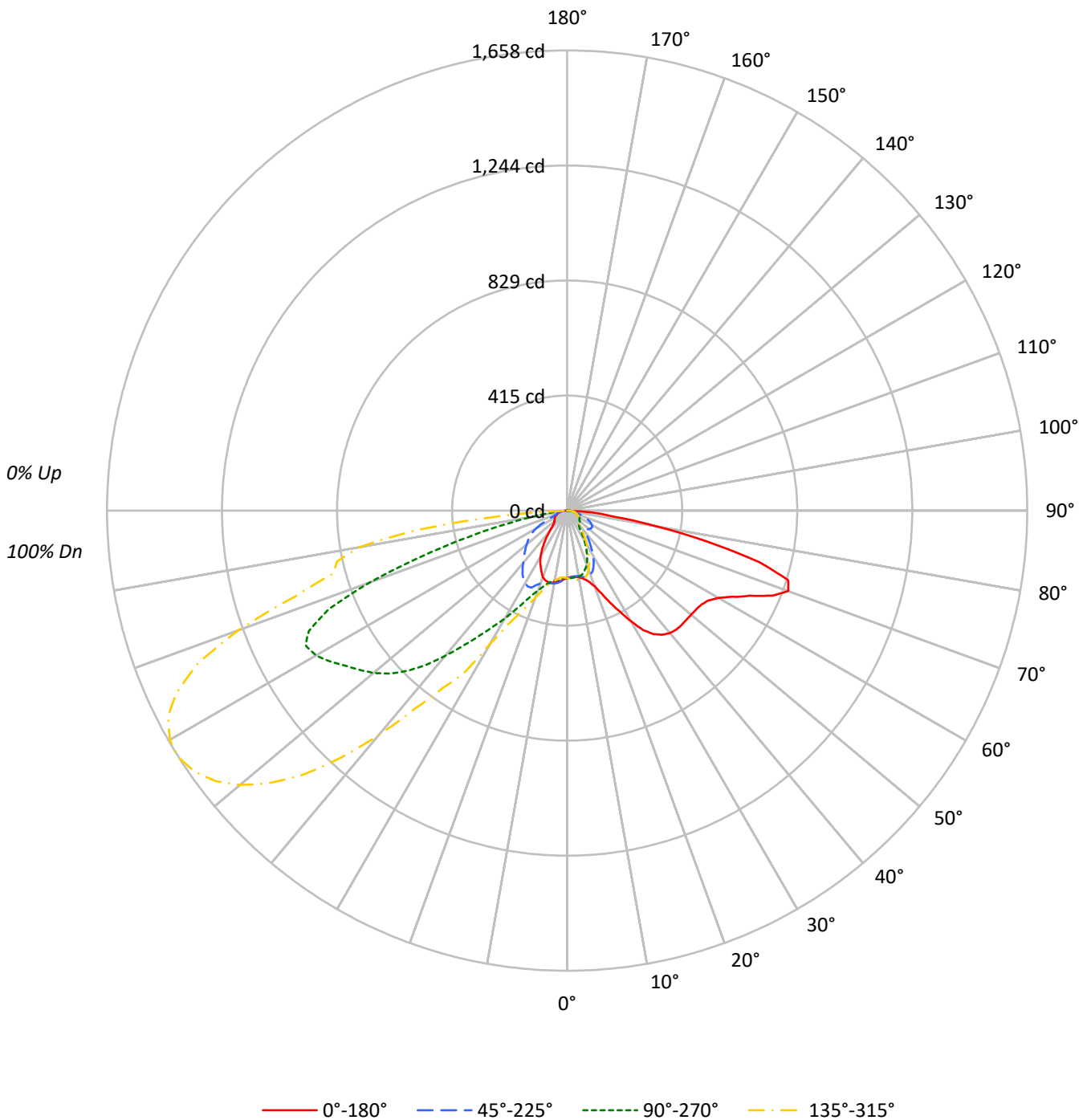
Lumens per Lamp: N/A
Luminaire Lumens: 1938.6 lumens
Efficiency: N/A
Efficacy: 74.9 lumens/watt
Spacing Criteria (0/90/45): 1.93 / 2.48 / 2.48
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
CIE Type: Direct

Input Watts (W): 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



TEST NUMBER: P153493
CATALOG NUMBER: TLM-F01-LED-E1-SLR-8030

Luminous Intensity Polar Plot





TEST NUMBER: P153493

CATALOG NUMBER: TLM-F01-LED-E1-SLR-8030

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°	15424	15424	15424	15424
5°	15159	15426	16163	15826
10°	15681	15482	16890	16453
15°	16912	15070	17463	17784
20°	19547	13894	17216	20639
25°	25591	11730	15705	25276
30°	33719	9088	14008	32806
35°	42010	6215	11223	42459
40°	47609	5430	8216	56453
45°	52195	5695	6179	73122
50°	57467	5831	5900	89629
55°	65141	5972	6027	107553
60°	79678	6560	6560	132257
65°	108665	6817	6922	153896
70°	156932	7220	7313	140086
75°	175039	7608	8073	90688
80°	119671	8204	9225	44047
85°	77588	10098	11115	21431



TEST NUMBER: P153493

CATALOG NUMBER: TLM-F01-LED-E1-SLR-8030

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.7	1.2
10°-20°	73.9	3.8
20°-30°	131.2	6.8
30°-40°	206.6	10.7
40°-50°	304.1	15.7
50°-60°	403.9	20.8
60°-70°	444.9	23.0
70°-80°	279.1	14.4
80°-90°	71.1	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°	228.8	11.8
0°-40°	435.4	22.5
0°-60°	1143.5	59.0
0°-90°	1938.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1938.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	244	244	244	244	244	
5°	238	243	254	249	238	23
15°	258	230	266	271	258	75
25°	366	168	225	362	366	173
35°	544	80	145	549	544	337
45°	583	64	69	817	583	451
55°	590	54	55	974	590	535
65°	725	46	46	1027	725	730
75°	716	31	33	371	716	700
85°	107	14	15	30	107	124
90°	0	0	0	0	0	



TEST NUMBER: P153493

CATALOG NUMBER: TLM-F01-LED-E1-SLR-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6
2.5°	240.4	241.1	240.8	240.8	241.3	241.1	241.1	241.3	241.3	242.0	242.9
5°	238.5	238.3	237.8	238.3	238.3	238.3	237.4	238.1	238.3	238.7	238.7
7.5°	240.8	240.1	239.2	239.4	239.4	239.0	238.3	238.5	238.3	238.3	238.1
10°	243.9	242.2	241.1	241.1	241.1	240.6	239.4	240.1	240.1	239.9	240.1
12.5°	249.2	247.3	245.9	245.5	245.5	244.8	243.9	244.8	244.3	244.3	243.9
15°	258.0	255.9	254.3	252.9	253.1	253.1	252.0	251.3	250.4	249.2	246.9
17.5°	271.3	268.9	266.8	265.7	265.9	264.3	261.0	257.8	253.4	249.0	244.1
20°	290.1	289.4	286.6	285.4	282.6	278.7	269.6	262.0	253.4	245.0	236.7
22.5°	322.6	319.3	316.6	312.1	302.8	291.9	276.8	263.4	249.9	238.1	226.9
25°	366.3	360.4	346.7	333.3	314.2	294.7	274.3	256.9	240.1	224.6	210.9
27.5°	409.2	391.6	367.2	342.8	314.9	289.4	263.8	243.2	223.7	206.7	191.6
30°	461.2	431.5	394.1	355.6	316.1	281.7	251.1	226.9	204.4	186.5	170.7
32.5°	510.0	467.0	418.0	367.4	318.6	274.5	236.4	209.0	185.8	163.3	147.7
35°	543.5	487.7	428.3	368.6	312.4	260.8	218.1	185.8	162.6	141.7	123.3
37.5°	563.4	496.8	428.7	360.2	297.7	242.2	194.9	162.8	141.4	121.5	107.1
40°	576.0	498.9	422.7	348.1	279.2	218.8	171.6	142.8	123.3	107.3	96.1
42.5°	582.0	495.6	412.9	332.8	260.3	197.9	155.4	128.2	111.2	99.9	91.5
45°	582.9	489.8	402.5	318.9	243.6	182.8	144.2	122.2	108.2	98.7	90.3
47.5°	582.9	484.7	394.1	308.7	232.7	176.3	143.3	124.7	111.0	100.3	90.3
50°	583.4	483.1	390.6	303.5	229.0	179.8	151.2	132.6	117.1	103.1	90.1
52.5°	585.5	485.2	393.4	307.5	235.7	193.7	166.1	144.5	124.9	106.4	90.1
55°	590.1	492.1	405.3	321.2	253.8	214.8	183.9	157.2	131.2	107.8	88.7
57.5°	603.1	509.8	426.9	347.7	284.7	239.2	200.2	166.3	133.5	106.6	85.9
60°	629.2	544.8	463.8	384.8	317.5	260.1	209.7	167.7	131.5	102.9	81.5
62.5°	670.7	585.0	508.6	425.2	346.5	271.7	210.9	164.2	125.9	96.1	75.0
63°	685.1	595.0	518.1	432.9	350.2	272.7	209.9	162.8	124.5	94.3	74.1
65°	725.3	637.0	551.1	459.8	360.7	272.9	204.8	155.8	118.0	87.1	67.6
67.5°	800.3	692.3	592.7	481.0	364.4	265.5	191.8	142.8	104.3	75.9	59.5
70°	847.7	723.2	608.7	481.4	353.5	244.3	169.3	121.7	86.9	62.9	51.1
72.5°	835.4	692.8	566.4	438.0	306.3	204.1	136.1	95.7	67.8	50.4	42.5
75°	715.5	576.7	462.2	339.3	231.5	150.0	99.6	68.3	50.2	39.5	35.5
77.5°	515.1	415.0	331.4	241.8	156.1	97.1	66.2	48.8	38.1	32.5	29.3
80°	328.2	243.4	202.8	145.4	91.3	60.2	45.5	36.9	31.4	27.2	25.1
82.5°	171.4	120.1	97.5	74.3	50.6	39.7	33.4	30.2	25.8	22.5	21.4
85°	106.8	70.8	52.5	36.7	25.3	22.8	20.9	20.4	18.3	16.3	15.6
87.5°	12.1	10.9	11.4	7.2	5.3	5.8	5.6	7.4	7.2	5.3	5.6
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: P153493

CATALOG NUMBER: TLM-F01-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6
2.5°	242.0	242.5	242.5	243.2	243.2	243.6	244.1	244.1	244.6	244.8	245.3
5°	239.2	239.2	239.2	240.1	240.4	241.8	242.2	242.7	243.2	244.8	245.7
7.5°	238.5	237.6	238.1	238.1	238.7	239.9	241.1	241.8	242.5	244.6	245.9
10°	239.9	239.2	238.5	238.5	238.7	239.2	240.1	240.8	241.3	243.4	244.6
12.5°	243.6	242.0	240.6	239.4	238.5	238.3	237.8	238.1	238.5	239.7	241.3
15°	244.3	241.3	238.3	235.3	232.9	231.5	230.4	229.9	229.9	230.6	232.5
17.5°	239.7	234.6	230.2	226.2	223.7	221.1	219.9	219.0	218.5	219.5	219.7
20°	229.7	223.7	217.6	213.0	208.3	207.6	205.8	206.2	206.7	208.1	208.8
22.5°	216.0	208.8	201.4	196.5	192.8	189.5	187.4	188.4	189.0	190.4	191.1
25°	199.3	188.8	180.9	176.0	172.1	169.3	167.0	167.9	167.0	168.6	171.2
27.5°	179.5	167.2	158.9	153.3	150.5	148.2	145.8	145.8	148.2	148.2	150.3
30°	155.6	146.5	135.6	129.8	126.3	124.9	124.7	124.3	125.9	126.8	129.1
32.5°	133.1	121.9	111.5	105.9	102.9	101.3	101.5	101.7	102.4	103.8	107.5
35°	110.3	100.6	93.1	86.9	83.8	80.8	80.8	80.4	81.1	82.7	87.1
37.5°	95.7	87.1	81.3	76.4	73.4	71.5	69.9	69.2	69.2	69.9	71.5
40°	87.6	81.3	75.9	71.8	69.0	67.4	66.4	65.7	65.3	65.3	65.5
42.5°	83.8	77.3	72.0	68.3	66.2	65.3	65.0	64.8	64.1	63.9	63.6
45°	82.0	74.6	68.5	65.5	63.9	63.4	63.6	63.6	63.4	62.9	62.0
47.5°	80.6	72.0	66.0	63.2	62.5	62.5	62.5	62.5	62.2	62.0	61.3
50°	78.3	68.0	61.5	59.5	59.0	59.0	59.2	59.2	59.7	59.2	58.8
52.5°	75.7	64.3	57.8	56.0	55.7	55.5	55.5	55.5	55.7	55.7	55.5
55°	72.9	61.5	56.0	54.6	54.8	54.6	54.3	54.1	54.1	53.9	53.4
57.5°	70.1	59.2	54.6	53.6	53.9	53.9	53.4	53.0	52.7	52.0	51.6
60°	66.0	56.0	51.8	51.3	52.0	52.0	52.0	51.8	51.8	51.6	50.4
62.5°	60.4	51.3	48.1	48.3	48.5	49.0	49.0	49.0	49.0	48.5	47.4
63°	59.2	50.4	47.4	47.4	48.1	48.1	48.3	48.1	48.3	47.8	46.4
65°	54.6	47.4	45.1	45.3	45.8	45.8	45.8	45.5	45.5	44.8	44.1
67.5°	49.2	43.7	42.3	42.5	42.7	43.2	43.0	43.0	43.2	42.7	42.0
70°	43.2	39.7	38.8	39.0	39.2	39.2	39.0	39.0	39.2	38.8	38.1
72.5°	38.6	37.2	36.5	36.5	36.0	36.0	35.5	35.3	35.1	35.1	34.4
75°	32.5	32.3	32.5	33.0	32.5	32.0	31.8	31.1	30.7	30.7	30.4
77.5°	27.9	27.9	28.3	29.0	29.3	29.3	28.6	27.4	27.2	27.2	27.2
80°	24.2	23.7	23.7	24.4	25.1	24.9	23.7	22.5	22.5	23.7	23.9
82.5°	21.1	21.1	20.4	20.7	20.4	20.2	19.0	18.3	18.1	19.0	20.0
85°	16.7	17.0	16.7	16.5	16.3	15.6	14.6	13.9	13.7	14.6	16.0
87.5°	6.7	6.5	6.3	6.5	6.3	6.7	6.5	6.0	5.8	6.5	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: P153493

CATALOG NUMBER: TLM-F01-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6
2.5°	245.5	245.9	246.4	246.4	246.9	246.6	246.9	247.1	247.1	247.3	247.3
5°	246.9	247.6	248.5	249.4	249.7	250.4	251.1	250.6	251.3	252.2	252.2
7.5°	247.3	249.0	249.7	251.1	251.3	252.2	253.8	252.7	254.1	254.8	255.0
10°	246.6	248.3	249.4	251.1	251.8	253.4	255.0	254.5	256.2	257.3	257.6
12.5°	242.5	244.1	246.6	249.0	250.8	253.4	256.4	255.5	257.8	259.2	259.9
15°	234.3	236.0	238.7	242.5	245.9	249.9	253.8	254.5	256.9	258.5	259.2
17.5°	221.6	223.7	226.7	230.6	235.0	241.8	246.9	249.4	252.7	253.6	254.8
20°	209.7	211.8	213.7	216.0	219.2	225.7	232.5	237.6	241.8	245.3	246.2
22.5°	193.9	195.8	198.1	200.0	202.3	206.9	212.5	218.3	224.8	226.9	229.2
25°	174.9	176.0	179.3	180.5	182.1	186.0	190.4	194.6	200.9	205.3	206.5
27.5°	154.4	155.6	158.6	159.3	161.4	165.1	168.4	170.0	175.8	180.5	184.2
30°	130.8	133.8	137.5	138.0	140.3	142.6	145.6	147.2	152.6	157.5	162.1
32.5°	110.3	113.3	116.4	118.2	119.4	121.2	124.3	125.9	131.0	135.4	140.0
35°	89.4	93.1	96.4	98.9	99.9	102.2	104.5	106.1	111.5	115.4	118.7
37.5°	73.6	76.4	79.9	82.4	85.0	86.6	89.4	91.7	95.0	97.1	100.6
40°	66.0	67.4	69.2	71.3	73.4	75.2	77.3	79.2	81.3	84.1	86.4
42.5°	63.4	63.6	63.6	64.3	65.5	66.4	68.3	69.7	71.1	73.2	74.3
45°	61.5	61.3	60.8	60.4	60.6	61.1	62.2	63.2	64.8	65.7	66.0
47.5°	60.6	59.7	58.8	58.1	57.8	58.1	59.0	59.9	60.8	61.5	61.8
50°	57.6	56.9	55.5	54.6	54.1	54.6	55.7	56.2	57.1	57.8	58.1
52.5°	54.6	53.6	52.7	51.8	51.8	52.0	53.0	53.9	54.8	55.0	55.5
55°	52.7	51.3	50.4	49.7	49.2	49.9	50.6	51.8	53.0	53.2	53.6
57.5°	50.9	49.5	48.5	47.8	47.4	48.1	48.8	50.4	51.8	51.8	51.8
60°	49.7	48.5	47.1	46.4	45.8	46.4	47.4	49.0	50.4	50.2	49.9
62.5°	46.4	45.3	44.6	44.6	43.9	45.1	46.0	47.8	48.1	47.6	47.1
63°	45.5	44.6	44.1	44.1	43.7	44.8	45.8	47.4	47.4	46.9	46.4
65°	43.2	42.5	42.0	42.5	42.5	43.7	43.9	45.1	44.8	44.1	43.9
67.5°	41.3	40.9	40.4	40.4	40.4	40.6	40.9	41.3	41.1	40.9	41.1
70°	38.3	38.1	37.6	37.6	37.4	37.4	37.4	37.6	37.6	37.9	38.1
72.5°	34.6	34.1	34.1	34.4	33.9	34.1	34.4	34.1	34.6	34.6	34.8
75°	30.4	30.2	30.7	31.1	30.9	30.9	31.1	31.1	31.4	31.4	31.6
77.5°	27.2	27.4	27.6	28.1	28.3	28.3	28.3	28.1	28.3	28.3	28.6
80°	24.2	24.6	25.1	25.5	25.8	25.8	25.8	25.5	25.5	25.5	25.5
82.5°	21.8	22.5	23.0	23.2	23.2	23.2	23.2	23.2	23.2	22.8	22.3
85°	18.3	19.7	19.7	20.0	19.3	18.8	18.3	18.6	18.8	17.9	17.7
87.5°	9.3	9.3	9.8	10.2	10.5	10.5	11.8	11.1	10.9	10.7	10.2
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: P153493

CATALOG NUMBER: TLM-F01-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6
2.5°	247.6	247.3	247.8	247.3	247.6	247.8	247.3	248.0	248.5	247.8	247.1
5°	252.7	252.7	253.8	254.3	254.5	255.9	255.2	255.7	256.2	255.9	256.2
7.5°	255.9	256.9	258.0	259.2	259.4	260.6	260.3	261.0	261.5	262.7	262.7
10°	258.7	259.9	261.5	262.7	263.8	264.8	265.2	266.6	266.8	267.8	267.8
12.5°	261.3	262.7	264.3	266.2	267.3	269.2	269.4	271.5	272.2	272.4	271.7
15°	260.8	262.4	264.3	266.4	268.5	270.8	272.2	274.3	275.4	275.9	274.7
17.5°	256.4	257.8	260.1	262.9	265.5	268.5	271.0	274.0	275.9	276.4	276.1
20°	247.8	248.7	251.8	255.5	258.5	263.1	266.8	271.5	274.5	276.8	277.5
22.5°	230.9	233.2	236.2	240.4	244.8	250.6	255.9	262.7	269.2	274.7	280.3
25°	210.4	214.6	219.2	224.8	230.2	236.2	242.2	249.9	259.4	271.0	284.3
27.5°	189.7	196.9	202.8	209.9	216.2	222.3	229.0	237.4	247.8	261.7	278.7
30°	168.8	177.0	183.2	191.6	200.0	208.1	214.8	223.7	233.9	248.0	266.6
32.5°	146.5	154.7	162.1	169.8	179.1	188.8	196.9	207.9	218.8	233.4	252.2
35°	123.6	130.8	137.0	145.2	155.4	165.8	176.5	189.0	200.9	216.2	236.2
37.5°	103.6	108.7	114.7	121.9	129.8	141.0	153.0	167.9	181.4	198.1	218.5
40°	87.1	89.9	93.4	99.4	106.6	117.5	129.4	145.2	161.4	179.8	199.5
42.5°	74.3	75.7	76.6	80.6	86.4	97.1	108.5	123.8	141.7	161.6	181.6
45°	66.0	66.7	66.9	69.0	73.2	82.4	94.3	107.3	124.5	144.0	164.9
47.5°	62.0	62.7	63.2	63.6	66.2	73.4	84.1	96.4	112.2	130.1	151.4
50°	58.8	59.5	60.2	59.9	61.1	65.7	74.8	86.2	101.0	117.5	138.7
52.5°	55.5	56.0	56.0	56.0	56.7	59.7	66.2	76.6	90.3	105.9	126.8
55°	53.6	54.1	54.3	54.6	54.8	56.4	61.3	69.7	81.5	95.9	114.7
57.5°	51.8	52.0	52.5	52.7	53.2	54.1	57.1	63.2	73.2	85.2	101.0
60°	50.2	50.6	51.6	51.8	52.3	52.5	53.9	57.6	64.1	73.4	86.2
62.5°	47.6	48.3	49.2	49.5	49.9	50.2	50.4	52.5	55.5	61.1	70.6
63°	46.9	47.6	48.8	49.0	49.2	49.2	49.5	50.9	53.6	58.5	65.5
65°	44.4	45.3	46.0	46.2	46.4	46.4	46.2	46.7	46.9	49.0	53.2
67.5°	41.6	42.3	42.7	43.0	42.7	43.0	42.7	42.3	41.8	42.3	44.1
70°	38.8	39.2	39.2	39.5	39.7	39.9	39.5	39.0	38.6	38.3	39.5
72.5°	35.5	36.0	36.0	36.2	36.2	36.7	36.7	36.5	36.5	36.7	36.9
75°	32.3	32.7	32.5	33.0	33.0	33.7	33.7	33.9	34.4	34.1	33.9
77.5°	29.3	29.5	29.5	29.7	30.0	31.1	31.8	32.0	32.0	31.6	31.1
80°	26.0	26.0	25.5	25.3	25.5	26.7	28.1	28.3	29.0	28.8	29.0
82.5°	21.8	20.9	20.2	20.2	20.7	21.4	21.8	22.3	22.8	22.8	23.2
85°	16.7	15.8	15.1	15.3	16.0	16.3	16.0	16.0	17.0	17.7	17.0
87.5°	10.0	9.1	8.6	7.9	8.1	8.8	8.6	7.9	8.1	6.5	6.0
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: P153493

CATALOG NUMBER: TLM-F01-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6
2.5°	247.6	247.3	246.9	246.2	245.9	245.5	245.7	245.0	244.6	244.1	243.4
5°	256.2	256.2	254.8	254.8	254.1	253.8	252.2	251.5	250.1	250.6	249.0
7.5°	262.2	262.9	261.3	261.0	260.1	259.9	257.8	257.1	255.9	255.5	254.1
10°	266.6	266.6	264.5	262.9	261.7	260.6	258.5	257.6	256.6	256.9	255.9
12.5°	270.1	268.5	265.5	263.1	261.5	260.3	258.7	258.0	257.8	259.4	259.7
15°	272.9	270.6	266.8	265.2	263.8	263.6	263.6	264.3	265.9	268.9	271.3
17.5°	274.5	273.1	271.3	270.8	273.1	274.5	276.4	278.5	280.8	285.0	287.5
20°	277.5	278.5	279.9	281.7	285.4	288.9	291.2	294.3	297.0	302.2	306.3
22.5°	285.4	290.8	295.2	298.9	304.5	309.4	312.4	316.6	318.6	322.1	328.6
25°	295.6	306.6	315.9	323.7	332.3	337.5	341.6	347.0	350.2	356.0	361.8
27.5°	292.6	308.2	322.1	336.8	348.6	361.8	371.1	380.0	385.5	394.1	401.8
30°	283.3	301.9	320.7	340.0	358.8	377.9	395.5	411.5	423.8	436.2	448.7
32.5°	270.8	292.2	315.2	338.8	363.5	389.9	414.3	438.5	458.9	476.8	494.2
35°	256.4	280.6	304.5	333.7	364.2	397.8	431.7	465.2	496.3	527.9	549.3
37.5°	239.2	263.8	290.5	324.2	360.0	401.6	444.7	488.4	532.5	575.0	612.0
40°	220.9	245.9	274.0	310.5	350.9	399.2	453.1	511.9	572.5	634.0	683.0
42.5°	204.6	230.4	261.0	298.0	341.9	396.2	459.8	532.1	606.2	682.3	754.3
45°	188.8	217.1	249.4	289.1	337.9	398.5	469.8	550.9	636.4	728.8	816.6
47.5°	174.6	203.4	234.8	278.2	332.1	399.7	479.6	569.7	664.9	765.0	869.3
50°	161.9	189.7	220.6	264.3	323.1	399.0	488.4	586.7	689.5	793.6	909.9
52.5°	149.3	177.7	209.3	250.8	311.9	395.0	492.6	600.6	712.3	822.4	942.7
55°	137.0	164.9	196.7	238.1	297.3	384.8	492.1	609.6	730.4	849.6	974.3
57.5°	122.6	149.1	180.2	223.9	281.7	369.0	485.2	613.8	746.0	876.5	1012.1
60°	104.7	129.6	159.6	203.2	261.3	348.8	470.5	611.5	755.0	896.5	1044.4
62.5°	82.7	104.3	131.7	174.4	235.7	319.8	443.1	590.4	740.6	893.7	1059.5
63°	78.0	98.5	125.2	167.4	224.8	311.9	435.0	582.0	733.7	887.9	1057.4
65°	62.7	75.9	97.3	135.2	188.1	273.1	394.6	539.0	696.3	847.0	1027.2
67.5°	48.1	54.8	66.2	92.7	133.1	214.8	319.6	456.8	604.3	746.0	929.9
70°	41.1	44.1	49.0	61.5	84.5	135.6	224.3	340.7	468.4	591.3	756.7
72.5°	37.4	38.8	41.3	46.7	58.1	81.3	143.1	221.8	318.6	421.5	549.3
75°	34.4	35.5	37.6	40.4	44.6	54.1	81.5	135.6	207.2	276.8	370.7
77.5°	31.4	32.0	34.4	36.9	39.7	44.6	53.9	78.0	119.1	163.3	223.4
80°	28.8	28.3	30.0	34.1	36.9	39.7	42.5	50.6	67.8	89.4	120.8
82.5°	23.0	23.5	24.9	29.0	30.2	29.5	30.0	31.4	37.9	41.3	61.8
85°	15.6	14.4	14.2	14.6	14.6	13.9	13.9	13.7	15.1	17.2	29.5
87.5°	4.2	2.1	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



TEST NUMBER: P153493

CATALOG NUMBER: TLM-F01-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6
2.5°	242.9	242.7	242.9	241.8	241.8	241.5	241.3	240.8	240.8	239.9	240.6
5°	247.6	247.1	246.2	244.8	244.1	243.2	243.2	242.2	241.5	240.6	240.8
7.5°	252.9	253.1	251.5	250.4	249.9	249.0	249.2	247.8	248.0	247.3	246.9
10°	255.9	255.9	256.4	256.2	256.6	256.6	257.3	256.4	255.9	255.2	255.2
12.5°	260.8	261.7	263.6	263.6	265.0	265.5	265.7	266.2	265.2	264.8	263.1
15°	272.9	275.2	276.8	279.2	281.9	282.9	282.9	281.9	281.5	280.8	277.8
17.5°	292.9	298.0	299.4	303.1	303.5	304.7	308.0	306.1	304.9	300.1	299.1
20°	313.3	319.8	326.3	330.9	333.3	337.9	338.6	337.7	333.0	328.4	326.3
22.5°	337.9	347.7	355.1	362.3	365.8	368.1	373.2	372.1	368.3	361.4	358.6
25°	372.8	384.8	392.7	401.6	406.2	408.5	413.6	413.6	409.7	407.6	407.4
27.5°	416.6	431.5	444.5	447.5	459.6	462.4	467.3	467.3	463.6	461.0	473.3
30°	465.4	481.0	503.5	518.6	533.2	547.6	547.4	548.3	552.7	555.1	560.4
32.5°	514.2	533.5	557.4	590.1	621.5	648.2	682.8	704.9	698.1	679.3	671.9
35°	573.4	594.8	623.8	656.8	714.2	748.8	765.5	777.3	778.7	781.3	786.6
37.5°	639.4	675.1	708.8	746.2	778.0	820.1	858.8	890.0	897.2	911.8	903.4
40°	722.7	762.7	798.0	846.3	889.0	939.7	995.2	1037.9	1055.1	1049.5	1007.7
42.5°	810.1	859.5	900.9	957.8	1013.3	1080.2	1137.5	1197.2	1207.9	1164.9	1102.5
45°	890.4	951.7	1003.1	1062.3	1130.1	1210.2	1286.9	1348.2	1346.1	1272.5	1188.9
47.5°	962.7	1037.9	1100.6	1177.7	1250.6	1346.1	1434.1	1479.4	1452.7	1365.6	1263.2
50°	1022.3	1116.2	1193.5	1271.5	1364.2	1479.2	1563.9	1589.5	1537.9	1443.2	1335.4
52.5°	1070.4	1188.2	1275.0	1364.9	1482.0	1603.0	1675.9	1666.4	1599.7	1502.4	1395.1
55°	1111.1	1243.2	1346.8	1452.9	1598.1	1709.6	1758.1	1732.5	1639.4	1540.7	1436.0
57.5°	1153.1	1296.6	1412.7	1535.8	1697.5	1793.2	1820.1	1767.6	1658.2	1555.3	1453.6
60°	1195.1	1341.2	1471.0	1608.3	1772.7	1861.4	1854.0	1775.5	1652.7	1544.7	1441.8
62.5°	1223.5	1367.7	1504.9	1652.9	1829.2	1896.3	1850.8	1747.4	1620.4	1502.6	1406.5
63°	1224.2	1368.6	1507.0	1655.9	1835.4	1897.4	1844.5	1737.4	1610.2	1494.0	1396.0
65°	1209.5	1351.2	1488.5	1642.2	1830.1	1870.7	1790.4	1678.4	1551.9	1434.6	1341.7
67.5°	1134.7	1279.2	1400.4	1545.4	1734.4	1746.0	1645.5	1555.1	1441.3	1319.8	1222.8
70°	984.0	1104.1	1223.0	1344.0	1502.6	1500.5	1406.0	1360.0	1260.4	1122.0	1044.2
72.5°	782.7	890.4	974.0	1055.1	1159.6	1138.5	1077.6	1090.4	1025.8	922.5	876.3
75°	581.1	699.5	740.4	773.4	817.5	817.7	834.5	870.7	869.8	812.4	754.1
77.5°	381.1	510.7	524.4	550.9	603.8	675.8	750.2	830.0	850.0	804.7	718.6
80°	212.5	347.2	331.4	354.2	411.3	509.1	618.7	707.0	759.0	733.7	642.4
82.5°	108.7	200.2	191.4	223.0	269.2	354.2	426.6	494.4	555.8	552.3	517.7
85°	56.4	109.6	124.7	141.2	164.4	194.9	222.3	242.0	267.5	312.6	327.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.0	16.7	12.1	33.2	47.4
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: P153493

CATALOG NUMBER: TLM-F01-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	243.6	243.6	243.6	243.6	243.6	243.6	243.6
2.5°	240.8	241.1	240.6	240.6	240.8	240.8	240.4
5°	240.4	240.4	239.9	239.4	239.0	239.0	238.5
7.5°	245.7	245.7	244.1	243.4	242.2	241.3	240.8
10°	253.6	252.2	250.4	249.0	247.1	245.0	243.9
12.5°	261.5	259.4	257.1	255.0	252.7	250.4	249.2
15°	274.5	271.7	268.7	266.2	262.9	259.4	258.0
17.5°	294.5	290.1	286.1	282.4	276.6	274.0	271.3
20°	321.0	314.5	309.4	303.1	295.9	293.6	290.1
22.5°	353.0	347.4	337.2	332.6	325.4	321.9	322.6
25°	401.8	394.6	382.7	378.3	377.6	370.0	366.3
27.5°	465.4	465.9	455.0	443.1	436.6	424.5	409.2
30°	556.0	549.7	537.0	524.9	509.5	486.8	461.2
32.5°	665.6	651.7	630.5	608.0	580.8	545.8	510.0
35°	772.7	748.3	714.6	677.0	637.7	594.1	543.5
37.5°	866.7	828.9	778.5	735.3	679.8	625.2	563.4
40°	952.7	905.8	840.7	784.8	719.3	649.1	576.0
42.5°	1035.8	976.4	896.7	821.0	746.9	665.2	582.0
45°	1115.0	1038.4	943.8	853.7	767.1	675.6	582.9
47.5°	1175.9	1092.2	986.1	877.4	781.0	683.5	582.9
50°	1232.3	1137.8	1018.4	896.0	794.0	688.8	583.4
52.5°	1276.2	1169.8	1039.3	909.2	804.3	692.8	585.5
55°	1308.0	1190.7	1053.2	917.4	811.7	698.4	590.1
57.5°	1330.3	1204.4	1060.9	924.6	820.8	708.1	603.1
60°	1341.0	1229.7	1073.7	939.0	836.3	728.8	629.2
62.5°	1332.9	1269.0	1110.1	963.4	857.9	761.1	670.7
63°	1329.4	1276.2	1120.1	968.7	862.8	768.0	685.1
65°	1302.2	1283.4	1161.2	995.6	886.0	798.9	725.3
67.5°	1217.9	1255.1	1195.8	1041.2	935.9	873.9	800.3
70°	1108.7	1213.0	1189.6	1047.0	967.8	935.5	847.7
72.5°	978.0	1086.0	1064.1	969.6	932.7	936.2	835.4
75°	769.7	850.7	836.3	803.1	810.5	836.1	715.5
77.5°	616.6	605.7	572.5	574.8	617.8	647.7	515.1
80°	503.7	407.8	364.6	365.8	440.8	471.9	328.2
82.5°	479.4	385.8	314.2	274.5	320.7	308.9	171.4
85°	341.4	342.1	283.8	230.6	223.4	190.0	106.8
87.5°	80.8	64.8	46.2	34.4	36.2	23.9	12.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)