

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: P153500

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P153500
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
Description: TALON MEDIUM LED SITE LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

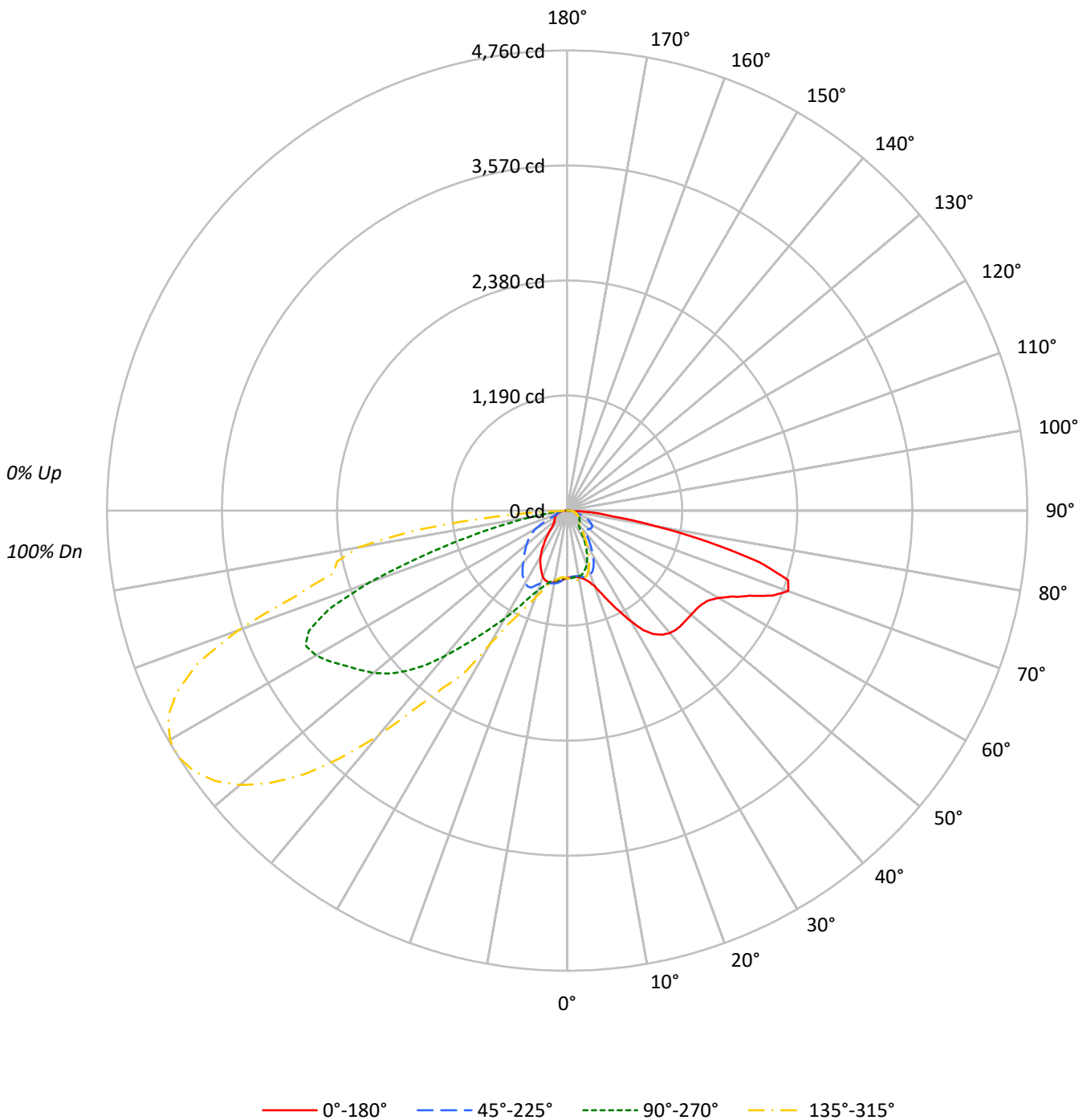
Lumens per Lamp: N/A
Luminaire Lumens: 5564.9 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Spacing Criteria (0/90/45): 1.93 / 2.48 / 2.48
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P153500
CATALOG NUMBER: TLM-E02-LED-E1-SLR

Luminous Intensity Polar Plot





TEST NUMBER: P153500

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

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°	22810	22810	22810	22810
5°	22419	22812	23902	23401
10°	23185	22897	24973	24334
15°	25012	22287	25823	26296
20°	28904	20549	25454	30522
25°	37836	17347	23224	37383
30°	49867	13435	20715	48511
35°	62118	9186	16593	62783
40°	70397	8035	12148	83486
45°	77187	8428	9133	108126
50°	84982	8627	8728	132545
55°	96334	8832	8911	159042
60°	117816	9701	9701	195577
65°	160690	10088	10242	227582
70°	232060	10681	10805	207140
75°	258857	11254	11935	134092
80°	176944	12153	13656	65124
85°	114782	14970	16467	31699



TEST NUMBER: P153500

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.1	1.2
10°-20°	212.0	3.8
20°-30°	376.7	6.8
30°-40°	593.1	10.7
40°-50°	872.9	15.7
50°-60°	1159.5	20.8
60°-70°	1277.2	23.0
70°-80°	801.3	14.4
80°-90°	204.1	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°	656.8	11.8
0°-40°	1249.9	22.5
0°-60°	3282.3	59.0
0°-90°	5564.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5564.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	699	699	699	699	699	
5°	685	697	730	715	685	66
15°	741	660	765	779	741	215
25°	1051	482	645	1039	1051	496
35°	1560	231	417	1577	1560	967
45°	1673	183	198	2344	1673	1294
55°	1694	155	157	2797	1694	1537
65°	2082	131	133	2949	2082	2096
75°	2054	89	95	1064	2054	2009
85°	307	40	44	85	307	355
90°	0	0	0	0	0	



TEST NUMBER: P153500

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3
2.5°	690.0	692.0	691.3	691.3	692.7	692.0	692.0	692.7	692.7	694.7	697.3
5°	684.7	684.0	682.7	684.0	684.0	684.0	681.3	683.3	684.0	685.3	685.3
7.5°	691.3	689.3	686.7	687.3	687.3	686.0	684.0	684.7	684.0	684.0	683.3
10°	700.0	695.3	692.0	692.0	692.0	690.7	687.3	689.3	689.3	688.7	689.3
12.5°	715.3	710.0	706.0	704.7	704.7	702.7	700.0	702.7	701.3	701.3	700.0
15°	740.7	734.7	730.0	726.0	726.7	726.7	723.3	721.3	718.7	715.3	708.7
17.5°	778.7	772.0	766.0	762.7	763.3	758.7	749.3	740.0	727.3	714.7	700.7
20°	832.7	830.7	822.7	819.3	811.3	800.0	774.0	752.0	727.3	703.3	679.3
22.5°	926.0	916.7	908.7	896.0	869.3	838.0	794.7	756.0	717.3	683.3	651.3
25°	1051.3	1034.7	995.3	956.7	902.0	846.0	787.3	737.3	689.3	644.7	605.3
27.5°	1174.7	1124.0	1054.0	984.0	904.0	830.7	757.3	698.0	642.0	593.3	550.0
30°	1324.0	1238.7	1131.3	1020.7	907.3	808.7	720.7	651.3	586.7	535.3	490.0
32.5°	1464.0	1340.7	1200.0	1054.7	914.7	788.0	678.7	600.0	533.3	468.7	424.0
35°	1560.0	1400.0	1229.3	1058.0	896.7	748.7	626.0	533.3	466.7	406.7	354.0
37.5°	1617.3	1426.0	1230.7	1034.0	854.7	695.3	559.3	467.3	406.0	348.7	307.3
40°	1653.3	1432.0	1213.3	999.3	801.3	628.0	492.7	410.0	354.0	308.0	276.0
42.5°	1670.7	1422.7	1185.3	955.3	747.3	568.0	446.0	368.0	319.3	286.7	262.7
45°	1673.3	1406.0	1155.3	915.3	699.3	524.7	414.0	350.7	310.7	283.3	259.3
47.5°	1673.3	1391.3	1131.3	886.0	668.0	506.0	411.3	358.0	318.7	288.0	259.3
50°	1674.7	1386.7	1121.3	871.3	657.3	516.0	434.0	380.7	336.0	296.0	258.7
52.5°	1680.7	1392.7	1129.3	882.7	676.7	556.0	476.7	414.7	358.7	305.3	258.7
55°	1694.0	1412.7	1163.3	922.0	728.7	616.7	528.0	451.3	376.7	309.3	254.7
57.5°	1731.3	1463.3	1225.3	998.0	817.3	686.7	574.7	477.3	383.3	306.0	246.7
60°	1806.0	1564.0	1331.3	1104.7	911.3	746.7	602.0	481.3	377.3	295.3	234.0
62.5°	1925.3	1679.3	1460.0	1220.7	994.7	780.0	605.3	471.3	361.3	276.0	215.3
63°	1966.7	1708.0	1487.3	1242.7	1005.3	782.7	602.7	467.3	357.3	270.7	212.7
65°	2082.0	1828.7	1582.0	1320.0	1035.3	783.3	588.0	447.3	338.7	250.0	194.0
67.5°	2297.3	1987.3	1701.3	1380.7	1046.0	762.0	550.7	410.0	299.3	218.0	170.7
70°	2433.3	2076.0	1747.3	1382.0	1014.7	701.3	486.0	349.3	249.3	180.7	146.7
72.5°	2398.0	1988.7	1626.0	1257.3	879.3	586.0	390.7	274.7	194.7	144.7	122.0
75°	2054.0	1655.3	1326.7	974.0	664.7	430.7	286.0	196.0	144.0	113.3	102.0
77.5°	1478.7	1191.3	951.3	694.0	448.0	278.7	190.0	140.0	109.3	93.3	84.0
80°	942.0	698.7	582.0	417.3	262.0	172.7	130.7	106.0	90.0	78.0	72.0
82.5°	492.0	344.7	280.0	213.3	145.3	114.0	96.0	86.7	74.0	64.7	61.3
85°	306.7	203.3	150.7	105.3	72.7	65.3	60.0	58.7	52.7	46.7	44.7
87.5°	34.7	31.3	32.7	20.7	15.3	16.7	16.0	21.3	20.7	15.3	16.0
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: P153500

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

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3
2.5°	694.7	696.0	696.0	698.0	698.0	699.3	700.7	700.7	702.0	702.7	704.0
5°	686.7	686.7	686.7	689.3	690.0	694.0	695.3	696.7	698.0	702.7	705.3
7.5°	684.7	682.0	683.3	683.3	685.3	688.7	692.0	694.0	696.0	702.0	706.0
10°	688.7	686.7	684.7	684.7	685.3	686.7	689.3	691.3	692.7	698.7	702.0
12.5°	699.3	694.7	690.7	687.3	684.7	684.0	682.7	683.3	684.7	688.0	692.7
15°	701.3	692.7	684.0	675.3	668.7	664.7	661.3	660.0	660.0	662.0	667.3
17.5°	688.0	673.3	660.7	649.3	642.0	634.7	631.3	628.7	627.3	630.0	630.7
20°	659.3	642.0	624.7	611.3	598.0	596.0	590.7	592.0	593.3	597.3	599.3
22.5°	620.0	599.3	578.0	564.0	553.3	544.0	538.0	540.7	542.7	546.7	548.7
25°	572.0	542.0	519.3	505.3	494.0	486.0	479.3	482.0	479.3	484.0	491.3
27.5°	515.3	480.0	456.0	440.0	432.0	425.3	418.7	418.7	425.3	425.3	431.3
30°	446.7	420.7	389.3	372.7	362.7	358.7	358.0	356.7	361.3	364.0	370.7
32.5°	382.0	350.0	320.0	304.0	295.3	290.7	291.3	292.0	294.0	298.0	308.7
35°	316.7	288.7	267.3	249.3	240.7	232.0	232.0	230.7	232.7	237.3	250.0
37.5°	274.7	250.0	233.3	219.3	210.7	205.3	200.7	198.7	198.7	200.7	205.3
40°	251.3	233.3	218.0	206.0	198.0	193.3	190.7	188.7	187.3	187.3	188.0
42.5°	240.7	222.0	206.7	196.0	190.0	187.3	186.7	186.0	184.0	183.3	182.7
45°	235.3	214.0	196.7	188.0	183.3	182.0	182.7	182.7	182.0	180.7	178.0
47.5°	231.3	206.7	189.3	181.3	179.3	179.3	179.3	179.3	178.7	178.0	176.0
50°	224.7	195.3	176.7	170.7	169.3	169.3	170.0	170.0	171.3	170.0	168.7
52.5°	217.3	184.7	166.0	160.7	160.0	159.3	159.3	159.3	160.0	160.0	159.3
55°	209.3	176.7	160.7	156.7	157.3	156.7	156.0	155.3	155.3	154.7	153.3
57.5°	201.3	170.0	156.7	154.0	154.7	154.7	153.3	152.0	151.3	149.3	148.0
60°	189.3	160.7	148.7	147.3	149.3	149.3	149.3	148.7	148.7	148.0	144.7
62.5°	173.3	147.3	138.0	138.7	139.3	140.7	140.7	140.7	140.7	139.3	136.0
63°	170.0	144.7	136.0	136.0	138.0	138.0	138.7	138.0	138.7	137.3	133.3
65°	156.7	136.0	129.3	130.0	131.3	131.3	131.3	130.7	130.7	128.7	126.7
67.5°	141.3	125.3	121.3	122.0	122.7	124.0	123.3	123.3	124.0	122.7	120.7
70°	124.0	114.0	111.3	112.0	112.7	112.7	112.0	112.0	112.7	111.3	109.3
72.5°	110.7	106.7	104.7	104.7	103.3	103.3	102.0	101.3	100.7	100.7	98.7
75°	93.3	92.7	93.3	94.7	93.3	92.0	91.3	89.3	88.0	88.0	87.3
77.5°	80.0	80.0	81.3	83.3	84.0	84.0	82.0	78.7	78.0	78.0	78.0
80°	69.3	68.0	68.0	70.0	72.0	71.3	68.0	64.7	64.7	68.0	68.7
82.5°	60.7	60.7	58.7	59.3	58.7	58.0	54.7	52.7	52.0	54.7	57.3
85°	48.0	48.7	48.0	47.3	46.7	44.7	42.0	40.0	39.3	42.0	46.0
87.5°	19.3	18.7	18.0	18.7	18.0	19.3	18.7	17.3	16.7	18.7	22.7
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: P153500

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

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3
2.5°	704.7	706.0	707.3	707.3	708.7	708.0	708.7	709.3	709.3	710.0	710.0
5°	708.7	710.7	713.3	716.0	716.7	718.7	720.7	719.3	721.3	724.0	724.0
7.5°	710.0	714.7	716.7	720.7	721.3	724.0	728.7	725.3	729.3	731.3	732.0
10°	708.0	712.7	716.0	720.7	722.7	727.3	732.0	730.7	735.3	738.7	739.3
12.5°	696.0	700.7	708.0	714.7	720.0	727.3	736.0	733.3	740.0	744.0	746.0
15°	672.7	677.3	685.3	696.0	706.0	717.3	728.7	730.7	737.3	742.0	744.0
17.5°	636.0	642.0	650.7	662.0	674.7	694.0	708.7	716.0	725.3	728.0	731.3
20°	602.0	608.0	613.3	620.0	629.3	648.0	667.3	682.0	694.0	704.0	706.7
22.5°	556.7	562.0	568.7	574.0	580.7	594.0	610.0	626.7	645.3	651.3	658.0
25°	502.0	505.3	514.7	518.0	522.7	534.0	546.7	558.7	576.7	589.3	592.7
27.5°	443.3	446.7	455.3	457.3	463.3	474.0	483.3	488.0	504.7	518.0	528.7
30°	375.3	384.0	394.7	396.0	402.7	409.3	418.0	422.7	438.0	452.0	465.3
32.5°	316.7	325.3	334.0	339.3	342.7	348.0	356.7	361.3	376.0	388.7	402.0
35°	256.7	267.3	276.7	284.0	286.7	293.3	300.0	304.7	320.0	331.3	340.7
37.5°	211.3	219.3	229.3	236.7	244.0	248.7	256.7	263.3	272.7	278.7	288.7
40°	189.3	193.3	198.7	204.7	210.7	216.0	222.0	227.3	233.3	241.3	248.0
42.5°	182.0	182.7	182.7	184.7	188.0	190.7	196.0	200.0	204.0	210.0	213.3
45°	176.7	176.0	174.7	173.3	174.0	175.3	178.7	181.3	186.0	188.7	189.3
47.5°	174.0	171.3	168.7	166.7	166.0	166.7	169.3	172.0	174.7	176.7	177.3
50°	165.3	163.3	159.3	156.7	155.3	156.7	160.0	161.3	164.0	166.0	166.7
52.5°	156.7	154.0	151.3	148.7	148.7	149.3	152.0	154.7	157.3	158.0	159.3
55°	151.3	147.3	144.7	142.7	141.3	143.3	145.3	148.7	152.0	152.7	154.0
57.5°	146.0	142.0	139.3	137.3	136.0	138.0	140.0	144.7	148.7	148.7	148.7
60°	142.7	139.3	135.3	133.3	131.3	133.3	136.0	140.7	144.7	144.0	143.3
62.5°	133.3	130.0	128.0	128.0	126.0	129.3	132.0	137.3	138.0	136.7	135.3
63°	130.7	128.0	126.7	126.7	125.3	128.7	131.3	136.0	136.0	134.7	133.3
65°	124.0	122.0	120.7	122.0	122.0	125.3	126.0	129.3	128.7	126.7	126.0
67.5°	118.7	117.3	116.0	116.0	116.0	116.7	117.3	118.7	118.0	117.3	118.0
70°	110.0	109.3	108.0	108.0	107.3	107.3	107.3	108.0	108.0	108.7	109.3
72.5°	99.3	98.0	98.0	98.7	97.3	98.0	98.7	98.0	99.3	99.3	100.0
75°	87.3	86.7	88.0	89.3	88.7	88.7	89.3	89.3	90.0	90.0	90.7
77.5°	78.0	78.7	79.3	80.7	81.3	81.3	81.3	80.7	81.3	81.3	82.0
80°	69.3	70.7	72.0	73.3	74.0	74.0	74.0	73.3	73.3	73.3	73.3
82.5°	62.7	64.7	66.0	66.7	66.7	66.7	66.7	66.7	66.7	65.3	64.0
85°	52.7	56.7	56.7	57.3	55.3	54.0	52.7	53.3	54.0	51.3	50.7
87.5°	26.7	26.7	28.0	29.3	30.0	30.0	34.0	32.0	31.3	30.7	29.3
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: P153500

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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3
2.5°	710.7	710.0	711.3	710.0	710.7	711.3	710.0	712.0	713.3	711.3	709.3
5°	725.3	725.3	728.7	730.0	730.7	734.7	732.7	734.0	735.3	734.7	735.3
7.5°	734.7	737.3	740.7	744.0	744.7	748.0	747.3	749.3	750.7	754.0	754.0
10°	742.7	746.0	750.7	754.0	757.3	760.0	761.3	765.3	766.0	768.7	768.7
12.5°	750.0	754.0	758.7	764.0	767.3	772.7	773.3	779.3	781.3	782.0	780.0
15°	748.7	753.3	758.7	764.7	770.7	777.3	781.3	787.3	790.7	792.0	788.7
17.5°	736.0	740.0	746.7	754.7	762.0	770.7	778.0	786.7	792.0	793.3	792.7
20°	711.3	714.0	722.7	733.3	742.0	755.3	766.0	779.3	788.0	794.7	796.7
22.5°	662.7	669.3	678.0	690.0	702.7	719.3	734.7	754.0	772.7	788.7	804.7
25°	604.0	616.0	629.3	645.3	660.7	678.0	695.3	717.3	744.7	778.0	816.0
27.5°	544.7	565.3	582.0	602.7	620.7	638.0	657.3	681.3	711.3	751.3	800.0
30°	484.7	508.0	526.0	550.0	574.0	597.3	616.7	642.0	671.3	712.0	765.3
32.5°	420.7	444.0	465.3	487.3	514.0	542.0	565.3	596.7	628.0	670.0	724.0
35°	354.7	375.3	393.3	416.7	446.0	476.0	506.7	542.7	576.7	620.7	678.0
37.5°	297.3	312.0	329.3	350.0	372.7	404.7	439.3	482.0	520.7	568.7	627.3
40°	250.0	258.0	268.0	285.3	306.0	337.3	371.3	416.7	463.3	516.0	572.7
42.5°	213.3	217.3	220.0	231.3	248.0	278.7	311.3	355.3	406.7	464.0	521.3
45°	189.3	191.3	192.0	198.0	210.0	236.7	270.7	308.0	357.3	413.3	473.3
47.5°	178.0	180.0	181.3	182.7	190.0	210.7	241.3	276.7	322.0	373.3	434.7
50°	168.7	170.7	172.7	172.0	175.3	188.7	214.7	247.3	290.0	337.3	398.0
52.5°	159.3	160.7	160.7	160.7	162.7	171.3	190.0	220.0	259.3	304.0	364.0
55°	154.0	155.3	156.0	156.7	157.3	162.0	176.0	200.0	234.0	275.3	329.3
57.5°	148.7	149.3	150.7	151.3	152.7	155.3	164.0	181.3	210.0	244.7	290.0
60°	144.0	145.3	148.0	148.7	150.0	150.7	154.7	165.3	184.0	210.7	247.3
62.5°	136.7	138.7	141.3	142.0	143.3	144.0	144.7	150.7	159.3	175.3	202.7
63°	134.7	136.7	140.0	140.7	141.3	141.3	142.0	146.0	154.0	168.0	188.0
65°	127.3	130.0	132.0	132.7	133.3	133.3	132.7	134.0	134.7	140.7	152.7
67.5°	119.3	121.3	122.7	123.3	122.7	123.3	122.7	121.3	120.0	121.3	126.7
70°	111.3	112.7	112.7	113.3	114.0	114.7	113.3	112.0	110.7	110.0	113.3
72.5°	102.0	103.3	103.3	104.0	104.0	105.3	105.3	104.7	104.7	105.3	106.0
75°	92.7	94.0	93.3	94.7	94.7	96.7	96.7	97.3	98.7	98.0	97.3
77.5°	84.0	84.7	84.7	85.3	86.0	89.3	91.3	92.0	92.0	90.7	89.3
80°	74.7	74.7	73.3	72.7	73.3	76.7	80.7	81.3	83.3	82.7	83.3
82.5°	62.7	60.0	58.0	58.0	59.3	61.3	62.7	64.0	65.3	65.3	66.7
85°	48.0	45.3	43.3	44.0	46.0	46.7	46.0	46.0	48.7	50.7	48.7
87.5°	28.7	26.0	24.7	22.7	23.3	25.3	24.7	22.7	23.3	18.7	17.3
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: P153500

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

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3
2.5°	710.7	710.0	708.7	706.7	706.0	704.7	705.3	703.3	702.0	700.7	698.7
5°	735.3	735.3	731.3	731.3	729.3	728.7	724.0	722.0	718.0	719.3	714.7
7.5°	752.7	754.7	750.0	749.3	746.7	746.0	740.0	738.0	734.7	733.3	729.3
10°	765.3	765.3	759.3	754.7	751.3	748.0	742.0	739.3	736.7	737.3	734.7
12.5°	775.3	770.7	762.0	755.3	750.7	747.3	742.7	740.7	740.0	744.7	745.3
15°	783.3	776.7	766.0	761.3	757.3	756.7	756.7	758.7	763.3	772.0	778.7
17.5°	788.0	784.0	778.7	777.3	784.0	788.0	793.3	799.3	806.0	818.0	825.3
20°	796.7	799.3	803.3	808.7	819.3	829.3	836.0	844.7	852.7	867.3	879.3
22.5°	819.3	834.7	847.3	858.0	874.0	888.0	896.7	908.7	914.7	924.7	943.3
25°	848.7	880.0	906.7	929.3	954.0	968.7	980.7	996.0	1005.3	1022.0	1038.7
27.5°	840.0	884.7	924.7	966.7	1000.7	1038.7	1065.3	1090.7	1106.7	1131.3	1153.3
30°	813.3	866.7	920.7	976.0	1030.0	1084.7	1135.3	1181.3	1216.7	1252.0	1288.0
32.5°	777.3	838.7	904.7	972.7	1043.3	1119.3	1189.3	1258.7	1317.3	1368.7	1418.7
35°	736.0	805.3	874.0	958.0	1045.3	1142.0	1239.3	1335.3	1424.7	1515.3	1576.7
37.5°	686.7	757.3	834.0	930.7	1033.3	1152.7	1276.7	1402.0	1528.7	1650.7	1756.7
40°	634.0	706.0	786.7	891.3	1007.3	1146.0	1300.7	1469.3	1643.3	1820.0	1960.7
42.5°	587.3	661.3	749.3	855.3	981.3	1137.3	1320.0	1527.3	1740.0	1958.7	2165.3
45°	542.0	623.3	716.0	830.0	970.0	1144.0	1348.7	1581.3	1826.7	2092.0	2344.0
47.5°	501.3	584.0	674.0	798.7	953.3	1147.3	1376.7	1635.3	1908.7	2196.0	2495.3
50°	464.7	544.7	633.3	758.7	927.3	1145.3	1402.0	1684.0	1979.3	2278.0	2612.0
52.5°	428.7	510.0	600.7	720.0	895.3	1134.0	1414.0	1724.0	2044.7	2360.7	2706.0
55°	393.3	473.3	564.7	683.3	853.3	1104.7	1412.7	1750.0	2096.7	2438.7	2796.7
57.5°	352.0	428.0	517.3	642.7	808.7	1059.3	1392.7	1762.0	2141.3	2516.0	2905.3
60°	300.7	372.0	458.0	583.3	750.0	1001.3	1350.7	1755.3	2167.3	2573.3	2998.0
62.5°	237.3	299.3	378.0	500.7	676.7	918.0	1272.0	1694.7	2126.0	2565.3	3041.3
63°	224.0	282.7	359.3	480.7	645.3	895.3	1248.7	1670.7	2106.0	2548.7	3035.3
65°	180.0	218.0	279.3	388.0	540.0	784.0	1132.7	1547.3	1998.7	2431.3	2948.7
67.5°	138.0	157.3	190.0	266.0	382.0	616.7	917.3	1311.3	1734.7	2141.3	2669.3
70°	118.0	126.7	140.7	176.7	242.7	389.3	644.0	978.0	1344.7	1697.3	2172.0
72.5°	107.3	111.3	118.7	134.0	166.7	233.3	410.7	636.7	914.7	1210.0	1576.7
75°	98.7	102.0	108.0	116.0	128.0	155.3	234.0	389.3	594.7	794.7	1064.0
77.5°	90.0	92.0	98.7	106.0	114.0	128.0	154.7	224.0	342.0	468.7	641.3
80°	82.7	81.3	86.0	98.0	106.0	114.0	122.0	145.3	194.7	256.7	346.7
82.5°	66.0	67.3	71.3	83.3	86.7	84.7	86.0	90.0	108.7	118.7	177.3
85°	44.7	41.3	40.7	42.0	42.0	40.0	40.0	39.3	43.3	49.3	84.7
87.5°	12.0	6.0	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: P153500

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

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3	699.3
2.5°	697.3	696.7	697.3	694.0	694.0	693.3	692.7	691.3	691.3	688.7	690.7
5°	710.7	709.3	706.7	702.7	700.7	698.0	698.0	695.3	693.3	690.7	691.3
7.5°	726.0	726.7	722.0	718.7	717.3	714.7	715.3	711.3	712.0	710.0	708.7
10°	734.7	734.7	736.0	735.3	736.7	736.7	738.7	736.0	734.7	732.7	732.7
12.5°	748.7	751.3	756.7	756.7	760.7	762.0	762.7	764.0	761.3	760.0	755.3
15°	783.3	790.0	794.7	801.3	809.3	812.0	812.0	809.3	808.0	806.0	797.3
17.5°	840.7	855.3	859.3	870.0	871.3	874.7	884.0	878.7	875.3	861.3	858.7
20°	899.3	918.0	936.7	950.0	956.7	970.0	972.0	969.3	956.0	942.7	936.7
22.5°	970.0	998.0	1019.3	1040.0	1050.0	1056.7	1071.3	1068.0	1057.3	1037.3	1029.3
25°	1070.0	1104.7	1127.3	1152.7	1166.0	1172.7	1187.3	1187.3	1176.0	1170.0	1169.3
27.5°	1196.0	1238.7	1276.0	1284.7	1319.3	1327.3	1341.3	1341.3	1330.7	1323.3	1358.7
30°	1336.0	1380.7	1445.3	1488.7	1530.7	1572.0	1571.3	1574.0	1586.7	1593.3	1608.7
32.5°	1476.0	1531.3	1600.0	1694.0	1784.0	1860.7	1960.0	2023.3	2004.0	1950.0	1928.7
35°	1646.0	1707.3	1790.7	1885.3	2050.0	2149.3	2197.3	2231.3	2235.3	2242.7	2258.0
37.5°	1835.3	1938.0	2034.7	2142.0	2233.3	2354.0	2465.3	2554.7	2575.3	2617.3	2593.3
40°	2074.7	2189.3	2290.7	2429.3	2552.0	2697.3	2856.7	2979.3	3028.7	3012.7	2892.7
42.5°	2325.3	2467.3	2586.0	2749.3	2908.7	3100.7	3265.3	3436.7	3467.3	3344.0	3164.7
45°	2556.0	2732.0	2879.3	3049.3	3244.0	3474.0	3694.0	3870.0	3864.0	3652.7	3412.7
47.5°	2763.3	2979.3	3159.3	3380.7	3590.0	3864.0	4116.7	4246.7	4170.0	3920.0	3626.0
50°	2934.7	3204.0	3426.0	3650.0	3916.0	4246.0	4489.3	4562.7	4414.7	4142.7	3833.3
52.5°	3072.7	3410.7	3660.0	3918.0	4254.0	4601.3	4810.7	4783.3	4592.0	4312.7	4004.7
55°	3189.3	3568.7	3866.0	4170.7	4587.3	4907.3	5046.7	4973.3	4706.0	4422.7	4122.0
57.5°	3310.0	3722.0	4055.3	4408.7	4872.7	5147.3	5224.7	5074.0	4760.0	4464.7	4172.7
60°	3430.7	3850.0	4222.7	4616.7	5088.7	5343.3	5322.0	5096.7	4744.0	4434.0	4138.7
62.5°	3512.0	3926.0	4320.0	4744.7	5250.7	5443.3	5312.7	5016.0	4651.3	4313.3	4037.3
63°	3514.0	3928.7	4326.0	4753.3	5268.7	5446.7	5294.7	4987.3	4622.0	4288.7	4007.3
65°	3472.0	3878.7	4272.7	4714.0	5253.3	5370.0	5139.3	4818.0	4454.7	4118.0	3851.3
67.5°	3257.3	3672.0	4020.0	4436.0	4978.7	5012.0	4723.3	4464.0	4137.3	3788.7	3510.0
70°	2824.7	3169.3	3510.7	3858.0	4313.3	4307.3	4036.0	3904.0	3618.0	3220.7	2997.3
72.5°	2246.7	2556.0	2796.0	3028.7	3328.7	3268.0	3093.3	3130.0	2944.7	2648.0	2515.3
75°	1668.0	2008.0	2125.3	2220.0	2346.7	2347.3	2395.3	2499.3	2496.7	2332.0	2164.7
77.5°	1094.0	1466.0	1505.3	1581.3	1733.3	1940.0	2153.3	2382.7	2440.0	2310.0	2062.7
80°	610.0	996.7	951.3	1016.7	1180.7	1461.3	1776.0	2029.3	2178.7	2106.0	1844.0
82.5°	312.0	574.7	549.3	640.0	772.7	1016.7	1224.7	1419.3	1595.3	1585.3	1486.0
85°	162.0	314.7	358.0	405.3	472.0	559.3	638.0	694.7	768.0	897.3	941.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.0	48.0	34.7	95.3	136.0
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: P153500

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

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	699.3	699.3	699.3	699.3	699.3	699.3	699.3
2.5°	691.3	692.0	690.7	690.7	691.3	691.3	690.0
5°	690.0	690.0	688.7	687.3	686.0	686.0	684.7
7.5°	705.3	705.3	700.7	698.7	695.3	692.7	691.3
10°	728.0	724.0	718.7	714.7	709.3	703.3	700.0
12.5°	750.7	744.7	738.0	732.0	725.3	718.7	715.3
15°	788.0	780.0	771.3	764.0	754.7	744.7	740.7
17.5°	845.3	832.7	821.3	810.7	794.0	786.7	778.7
20°	921.3	902.7	888.0	870.0	849.3	842.7	832.7
22.5°	1013.3	997.3	968.0	954.7	934.0	924.0	926.0
25°	1153.3	1132.7	1098.7	1086.0	1084.0	1062.0	1051.3
27.5°	1336.0	1337.3	1306.0	1272.0	1253.3	1218.7	1174.7
30°	1596.0	1578.0	1541.3	1506.7	1462.7	1397.3	1324.0
32.5°	1910.7	1870.7	1810.0	1745.3	1667.3	1566.7	1464.0
35°	2218.0	2148.0	2051.3	1943.3	1830.7	1705.3	1560.0
37.5°	2488.0	2379.3	2234.7	2110.7	1951.3	1794.7	1617.3
40°	2734.7	2600.0	2413.3	2252.7	2064.7	1863.3	1653.3
42.5°	2973.3	2802.7	2574.0	2356.7	2144.0	1909.3	1670.7
45°	3200.7	2980.7	2709.3	2450.7	2202.0	1939.3	1673.3
47.5°	3375.3	3135.3	2830.7	2518.7	2242.0	1962.0	1673.3
50°	3537.3	3266.0	2923.3	2572.0	2279.3	1977.3	1674.7
52.5°	3663.3	3358.0	2983.3	2610.0	2308.7	1988.7	1680.7
55°	3754.7	3418.0	3023.3	2633.3	2330.0	2004.7	1694.0
57.5°	3818.7	3457.3	3045.3	2654.0	2356.0	2032.7	1731.3
60°	3849.3	3530.0	3082.0	2695.3	2400.7	2092.0	1806.0
62.5°	3826.0	3642.7	3186.7	2765.3	2462.7	2184.7	1925.3
63°	3816.0	3663.3	3215.3	2780.7	2476.7	2204.7	1966.7
65°	3738.0	3684.0	3333.3	2858.0	2543.3	2293.3	2082.0
67.5°	3496.0	3602.7	3432.7	2988.7	2686.7	2508.7	2297.3
70°	3182.7	3482.0	3414.7	3005.3	2778.0	2685.3	2433.3
72.5°	2807.3	3117.3	3054.7	2783.3	2677.3	2687.3	2398.0
75°	2209.3	2442.0	2400.7	2305.3	2326.7	2400.0	2054.0
77.5°	1770.0	1738.7	1643.3	1650.0	1773.3	1859.3	1478.7
80°	1446.0	1170.7	1046.7	1050.0	1265.3	1354.7	942.0
82.5°	1376.0	1107.3	902.0	788.0	920.7	886.7	492.0
85°	980.0	982.0	814.7	662.0	641.3	545.3	306.7
87.5°	232.0	186.0	132.7	98.7	104.0	68.7	34.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)