

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: P153514

Luminaire Tested: **TLM-F03-LED-E1-SLR-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P153514
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-F03-LED-E1-SLR-7030
Description: TALON MEDIUM LED SITE LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

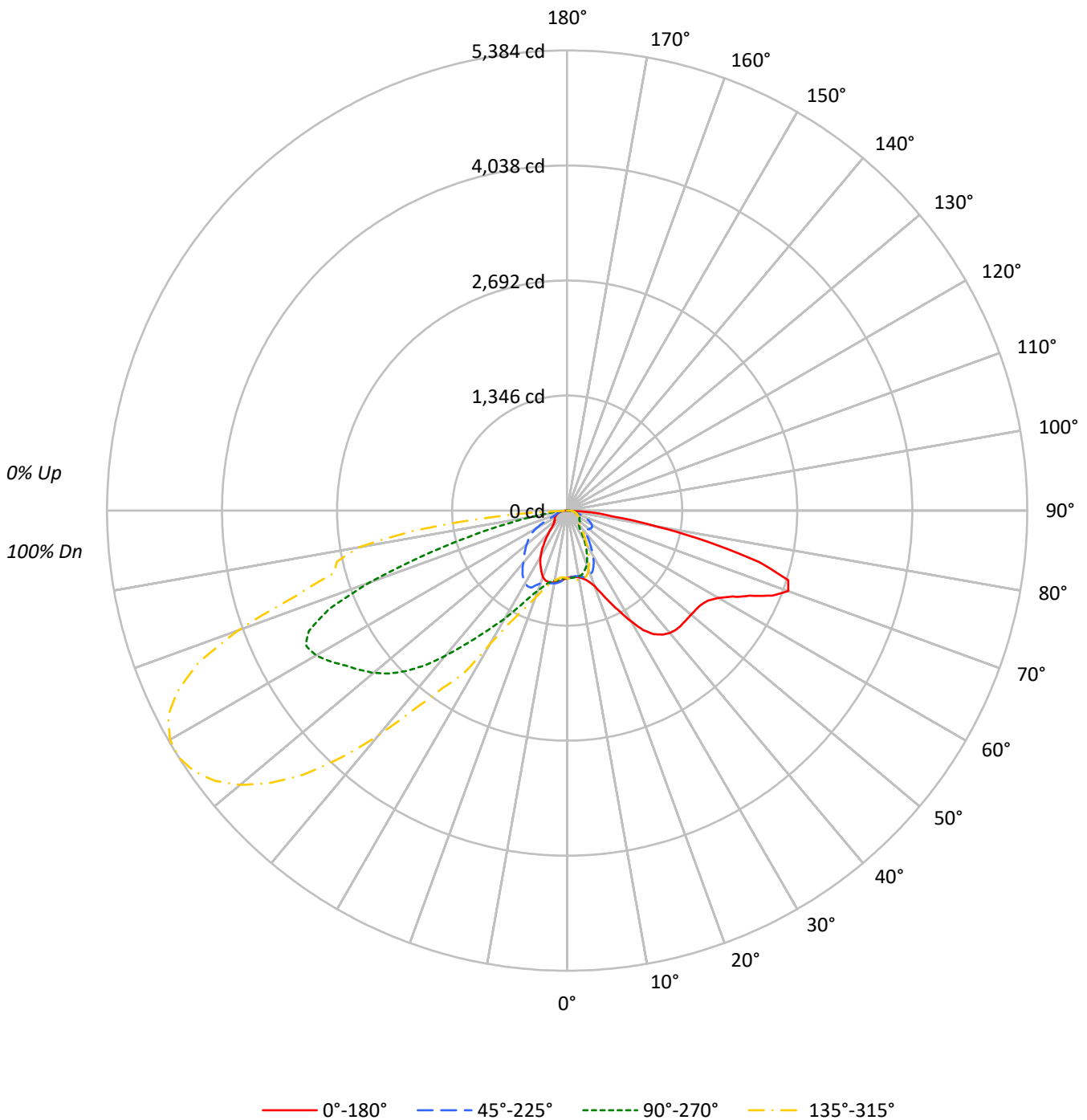
Lumens per Lamp: N/A
Luminaire Lumens: 6293.9 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Spacing Criteria (0/90/45): 1.93 / 2.48 / 2.48
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
CIE Type: Direct

Input Watts (W): 78.3
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	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°	17026	17026	17026	17026
5°	16735	17027	17841	17467
10°	17307	17092	18642	18163
15°	18670	16637	19274	19628
20°	21574	15338	19001	22783
25°	28243	12948	17338	27903
30°	37223	10028	15462	36211
35°	46367	6857	12383	46864
40°	52549	5997	9069	62317
45°	57617	6290	6817	80710
50°	63433	6440	6514	98937
55°	71909	6594	6651	118716
60°	87945	7238	7238	145989
65°	119947	7529	7641	169877
70°	173226	7975	8069	154620
75°	193229	8401	8908	100095
80°	132082	9062	10191	48610
85°	85661	11165	12301	23663



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.0	1.2
10°-20°	239.8	3.8
20°-30°	426.0	6.8
30°-40°	670.8	10.7
40°-50°	987.3	15.7
50°-60°	1311.4	20.8
60°-70°	1444.5	23.0
70°-80°	906.3	14.4
80°-90°	230.8	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°	742.8	11.8
0°-40°	1413.6	22.5
0°-60°	3712.3	59.0
0°-90°	6293.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6293.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	791	791	791	791	791	
5°	774	788	826	808	774	75
15°	838	746	865	881	838	243
25°	1189	545	730	1175	1189	561
35°	1764	261	471	1783	1764	1093
45°	1892	207	224	2651	1892	1463
55°	1916	176	177	3163	1916	1738
65°	2355	148	150	3335	2355	2371
75°	2323	101	107	1203	2323	2272
85°	347	45	50	96	347	401
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°	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9
2.5°	780.4	782.6	781.9	781.9	783.4	782.6	782.6	783.4	783.4	785.7	788.7
5°	774.4	773.6	772.1	773.6	773.6	773.6	770.6	772.8	773.6	775.1	775.1
7.5°	781.9	779.6	776.6	777.4	777.4	775.9	773.6	774.4	773.6	773.6	772.8
10°	791.7	786.4	782.6	782.6	782.6	781.1	777.4	779.6	779.6	778.9	779.6
12.5°	809.0	803.0	798.5	797.0	797.0	794.7	791.7	794.7	793.2	793.2	791.7
15°	837.7	830.9	825.6	821.1	821.9	821.9	818.1	815.8	812.8	809.0	801.5
17.5°	880.7	873.1	866.3	862.6	863.3	858.0	847.5	836.9	822.6	808.3	792.4
20°	941.7	939.5	930.4	926.7	917.6	904.8	875.4	850.5	822.6	795.5	768.3
22.5°	1047.3	1036.7	1027.7	1013.4	983.2	947.8	898.8	855.0	811.3	772.8	736.7
25°	1189.0	1170.2	1125.7	1082.0	1020.2	956.8	890.5	833.9	779.6	729.1	684.6
27.5°	1328.5	1271.2	1192.1	1112.9	1022.4	939.5	856.5	789.4	726.1	671.1	622.0
30°	1497.4	1400.9	1279.5	1154.4	1026.2	914.6	815.1	736.7	663.5	605.5	554.2
32.5°	1655.8	1516.3	1357.2	1192.8	1034.5	891.2	767.6	678.6	603.2	530.1	479.5
35°	1764.3	1583.4	1390.4	1196.6	1014.1	846.7	708.0	603.2	527.8	459.9	400.4
37.5°	1829.2	1612.8	1391.9	1169.4	966.6	786.4	632.6	528.5	459.2	394.3	347.6
40°	1869.9	1619.6	1372.3	1130.2	906.3	710.3	557.2	463.7	400.4	348.3	312.2
42.5°	1889.5	1609.0	1340.6	1080.5	845.2	642.4	504.4	416.2	361.2	324.2	297.1
45°	1892.5	1590.2	1306.7	1035.2	790.9	593.4	468.2	396.6	351.4	320.4	293.3
47.5°	1892.5	1573.6	1279.5	1002.1	755.5	572.3	465.2	404.9	360.4	325.7	293.3
50°	1894.0	1568.3	1268.2	985.5	743.4	583.6	490.8	430.5	380.0	334.8	292.5
52.5°	1900.8	1575.1	1277.3	998.3	765.3	628.8	539.1	469.0	405.6	345.3	292.5
55°	1915.9	1597.7	1315.7	1042.8	824.1	697.4	597.2	510.5	426.0	349.9	288.0
57.5°	1958.1	1655.0	1385.8	1128.7	924.4	776.6	649.9	539.9	433.5	346.1	279.0
60°	2042.6	1768.9	1505.7	1249.4	1030.7	844.5	680.9	544.4	426.8	334.0	264.7
62.5°	2177.5	1899.3	1651.2	1380.6	1125.0	882.2	684.6	533.1	408.7	312.2	243.5
63°	2224.3	1931.7	1682.2	1405.4	1137.0	885.2	681.6	528.5	404.1	306.1	240.5
65°	2354.7	2068.2	1789.2	1492.9	1171.0	885.9	665.0	505.9	383.0	282.7	219.4
67.5°	2598.3	2247.7	1924.2	1561.5	1183.0	861.8	622.8	463.7	338.5	246.6	193.0
70°	2752.1	2347.9	1976.2	1563.0	1147.6	793.2	549.7	395.1	282.0	204.3	165.9
72.5°	2712.1	2249.2	1839.0	1422.0	994.5	662.8	441.8	310.6	220.2	163.6	138.0
75°	2323.1	1872.2	1500.4	1101.6	751.7	487.1	323.5	221.7	162.9	128.2	115.4
77.5°	1672.4	1347.4	1075.9	784.9	506.7	315.2	214.9	158.3	123.7	105.6	95.0
80°	1065.4	790.2	658.2	472.0	296.3	195.3	147.8	119.9	101.8	88.2	81.4
82.5°	556.4	389.8	316.7	241.3	164.4	128.9	108.6	98.0	83.7	73.1	69.4
85°	346.8	230.0	170.4	119.1	82.2	73.9	67.9	66.4	59.6	52.8	50.5
87.5°	39.2	35.4	36.9	23.4	17.3	18.8	18.1	24.1	23.4	17.3	18.1
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°	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9
2.5°	785.7	787.2	787.2	789.4	789.4	790.9	792.4	792.4	794.0	794.7	796.2
5°	776.6	776.6	776.6	779.6	780.4	784.9	786.4	787.9	789.4	794.7	797.7
7.5°	774.4	771.3	772.8	772.8	775.1	778.9	782.6	784.9	787.2	794.0	798.5
10°	778.9	776.6	774.4	774.4	775.1	776.6	779.6	781.9	783.4	790.2	794.0
12.5°	790.9	785.7	781.1	777.4	774.4	773.6	772.1	772.8	774.4	778.1	783.4
15°	793.2	783.4	773.6	763.8	756.3	751.7	748.0	746.5	746.5	748.7	754.7
17.5°	778.1	761.5	747.2	734.4	726.1	717.8	714.0	711.0	709.5	712.5	713.3
20°	745.7	726.1	706.5	691.4	676.3	674.1	668.0	669.5	671.1	675.6	677.8
22.5°	701.2	677.8	653.7	637.9	625.8	615.3	608.5	611.5	613.8	618.3	620.5
25°	646.9	613.0	587.4	571.5	558.7	549.7	542.1	545.1	542.1	547.4	555.7
27.5°	582.8	542.9	515.7	497.6	488.6	481.0	473.5	473.5	481.0	481.0	487.8
30°	505.2	475.8	440.3	421.5	410.2	405.6	404.9	403.4	408.7	411.7	419.2
32.5°	432.0	395.8	361.9	343.8	334.0	328.7	329.5	330.2	332.5	337.0	349.1
35°	358.1	326.5	302.4	282.0	272.2	262.4	262.4	260.9	263.1	268.4	282.7
37.5°	310.6	282.7	263.9	248.1	238.3	232.2	227.0	224.7	224.7	227.0	232.2
40°	284.3	263.9	246.6	233.0	223.9	218.7	215.6	213.4	211.9	211.9	212.6
42.5°	272.2	251.1	233.7	221.7	214.9	211.9	211.1	210.4	208.1	207.3	206.6
45°	266.2	242.0	222.4	212.6	207.3	205.8	206.6	206.6	205.8	204.3	201.3
47.5°	261.6	233.7	214.1	205.1	202.8	202.8	202.8	202.8	202.1	201.3	199.1
50°	254.1	220.9	199.8	193.0	191.5	191.5	192.3	192.3	193.8	192.3	190.8
52.5°	245.8	208.9	187.7	181.7	181.0	180.2	180.2	180.2	181.0	181.0	180.2
55°	236.8	199.8	181.7	177.2	177.9	177.2	176.4	175.7	175.7	174.9	173.4
57.5°	227.7	192.3	177.2	174.2	174.9	174.9	173.4	171.9	171.2	168.9	167.4
60°	214.1	181.7	168.1	166.6	168.9	168.9	168.9	168.1	168.1	167.4	163.6
62.5°	196.0	166.6	156.1	156.8	157.6	159.1	159.1	159.1	159.1	157.6	153.8
63°	192.3	163.6	153.8	153.8	156.1	156.1	156.8	156.1	156.8	155.3	150.8
65°	177.2	153.8	146.3	147.0	148.5	148.5	148.5	147.8	147.8	145.5	143.3
67.5°	159.8	141.8	137.2	138.0	138.7	140.2	139.5	139.5	140.2	138.7	136.5
70°	140.2	128.9	125.9	126.7	127.4	127.4	126.7	126.7	127.4	125.9	123.7
72.5°	125.2	120.6	118.4	118.4	116.9	116.9	115.4	114.6	113.9	113.9	111.6
75°	105.6	104.8	105.6	107.1	105.6	104.1	103.3	101.0	99.5	99.5	98.8
77.5°	90.5	90.5	92.0	94.2	95.0	95.0	92.7	89.0	88.2	88.2	88.2
80°	78.4	76.9	76.9	79.2	81.4	80.7	76.9	73.1	73.1	76.9	77.7
82.5°	68.6	68.6	66.4	67.1	66.4	65.6	61.8	59.6	58.8	61.8	64.8
85°	54.3	55.0	54.3	53.5	52.8	50.5	47.5	45.2	44.5	47.5	52.0
87.5°	21.9	21.1	20.4	21.1	20.4	21.9	21.1	19.6	18.8	21.1	25.6
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°	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9
2.5°	797.0	798.5	800.0	800.0	801.5	800.7	801.5	802.2	802.2	803.0	803.0
5°	801.5	803.8	806.8	809.8	810.5	812.8	815.1	813.6	815.8	818.8	818.8
7.5°	803.0	808.3	810.5	815.1	815.8	818.8	824.1	820.3	824.9	827.1	827.9
10°	800.7	806.0	809.8	815.1	817.3	822.6	827.9	826.4	831.7	835.4	836.2
12.5°	787.2	792.4	800.7	808.3	814.3	822.6	832.4	829.4	836.9	841.5	843.7
15°	760.8	766.1	775.1	787.2	798.5	811.3	824.1	826.4	833.9	839.2	841.5
17.5°	719.3	726.1	735.9	748.7	763.0	784.9	801.5	809.8	820.3	823.4	827.1
20°	680.9	687.6	693.7	701.2	711.8	732.9	754.7	771.3	784.9	796.2	799.2
22.5°	629.6	635.6	643.2	649.2	656.7	671.8	689.9	708.8	729.9	736.7	744.2
25°	567.8	571.5	582.1	585.9	591.1	603.9	618.3	631.8	652.2	666.5	670.3
27.5°	501.4	505.2	515.0	517.2	524.0	536.1	546.6	551.9	570.8	585.9	597.9
30°	424.5	434.3	446.4	447.9	455.4	463.0	472.8	478.0	495.4	511.2	526.3
32.5°	358.1	367.9	377.8	383.8	387.6	393.6	403.4	408.7	425.3	439.6	454.7
35°	290.3	302.4	312.9	321.2	324.2	331.8	339.3	344.6	361.9	374.7	385.3
37.5°	239.0	248.1	259.4	267.7	276.0	281.2	290.3	297.8	308.4	315.2	326.5
40°	214.1	218.7	224.7	231.5	238.3	244.3	251.1	257.1	263.9	272.9	280.5
42.5°	205.8	206.6	206.6	208.9	212.6	215.6	221.7	226.2	230.7	237.5	241.3
45°	199.8	199.1	197.5	196.0	196.8	198.3	202.1	205.1	210.4	213.4	214.1
47.5°	196.8	193.8	190.8	188.5	187.7	188.5	191.5	194.5	197.5	199.8	200.6
50°	187.0	184.7	180.2	177.2	175.7	177.2	181.0	182.5	185.5	187.7	188.5
52.5°	177.2	174.2	171.2	168.1	168.1	168.9	171.9	174.9	177.9	178.7	180.2
55°	171.2	166.6	163.6	161.4	159.8	162.1	164.4	168.1	171.9	172.7	174.2
57.5°	165.1	160.6	157.6	155.3	153.8	156.1	158.3	163.6	168.1	168.1	168.1
60°	161.4	157.6	153.1	150.8	148.5	150.8	153.8	159.1	163.6	162.9	162.1
62.5°	150.8	147.0	144.8	144.8	142.5	146.3	149.3	155.3	156.1	154.6	153.1
63°	147.8	144.8	143.3	143.3	141.8	145.5	148.5	153.8	153.8	152.3	150.8
65°	140.2	138.0	136.5	138.0	138.0	141.8	142.5	146.3	145.5	143.3	142.5
67.5°	134.2	132.7	131.2	131.2	131.2	131.9	132.7	134.2	133.5	132.7	133.5
70°	124.4	123.7	122.1	122.1	121.4	121.4	121.4	122.1	122.1	122.9	123.7
72.5°	112.3	110.8	110.8	111.6	110.1	110.8	111.6	110.8	112.3	112.3	113.1
75°	98.8	98.0	99.5	101.0	100.3	100.3	101.0	101.0	101.8	101.8	102.5
77.5°	88.2	89.0	89.7	91.2	92.0	92.0	92.0	91.2	92.0	92.0	92.7
80°	78.4	79.9	81.4	82.9	83.7	83.7	83.7	82.9	82.9	82.9	82.9
82.5°	70.9	73.1	74.6	75.4	75.4	75.4	75.4	75.4	75.4	73.9	72.4
85°	59.6	64.1	64.1	64.8	62.6	61.1	59.6	60.3	61.1	58.1	57.3
87.5°	30.2	30.2	31.7	33.2	33.9	33.9	38.5	36.2	35.4	34.7	33.2
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: P153514

CATALOG NUMBER: TLM-F03-LED-E1-SLR-7030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9
2.5°	803.8	803.0	804.5	803.0	803.8	804.5	803.0	805.3	806.8	804.5	802.2
5°	820.3	820.3	824.1	825.6	826.4	830.9	828.6	830.1	831.7	830.9	831.7
7.5°	830.9	833.9	837.7	841.5	842.2	846.0	845.2	847.5	849.0	852.8	852.8
10°	839.9	843.7	849.0	852.8	856.5	859.6	861.1	865.6	866.3	869.4	869.4
12.5°	848.2	852.8	858.0	864.1	867.8	873.9	874.6	881.4	883.7	884.4	882.2
15°	846.7	852.0	858.0	864.8	871.6	879.2	883.7	890.5	894.2	895.7	892.0
17.5°	832.4	836.9	844.5	853.5	861.8	871.6	879.9	889.7	895.7	897.3	896.5
20°	804.5	807.5	817.3	829.4	839.2	854.3	866.3	881.4	891.2	898.8	901.0
22.5°	749.5	757.0	766.8	780.4	794.7	813.6	830.9	852.8	873.9	892.0	910.1
25°	683.1	696.7	711.8	729.9	747.2	766.8	786.4	811.3	842.2	879.9	922.9
27.5°	616.0	639.4	658.2	681.6	702.0	721.6	743.4	770.6	804.5	849.8	904.8
30°	548.2	574.5	594.9	622.0	649.2	675.6	697.4	726.1	759.3	805.3	865.6
32.5°	475.8	502.2	526.3	551.2	581.3	613.0	639.4	674.8	710.3	757.8	818.8
35°	401.1	424.5	444.9	471.2	504.4	538.4	573.0	613.8	652.2	702.0	766.8
37.5°	336.3	352.9	372.5	395.8	421.5	457.7	496.9	545.1	588.9	643.2	709.5
40°	282.7	291.8	303.1	322.7	346.1	381.5	420.0	471.2	524.0	583.6	647.7
42.5°	241.3	245.8	248.8	261.6	280.5	315.2	352.1	401.9	459.9	524.8	589.6
45°	214.1	216.4	217.2	223.9	237.5	267.7	306.1	348.3	404.1	467.5	535.3
47.5°	201.3	203.6	205.1	206.6	214.9	238.3	272.9	312.9	364.2	422.2	491.6
50°	190.8	193.0	195.3	194.5	198.3	213.4	242.8	279.7	328.0	381.5	450.1
52.5°	180.2	181.7	181.7	181.7	184.0	193.8	214.9	248.8	293.3	343.8	411.7
55°	174.2	175.7	176.4	177.2	177.9	183.2	199.1	226.2	264.7	311.4	372.5
57.5°	168.1	168.9	170.4	171.2	172.7	175.7	185.5	205.1	237.5	276.7	328.0
60°	162.9	164.4	167.4	168.1	169.6	170.4	174.9	187.0	208.1	238.3	279.7
62.5°	154.6	156.8	159.8	160.6	162.1	162.9	163.6	170.4	180.2	198.3	229.2
63°	152.3	154.6	158.3	159.1	159.8	159.8	160.6	165.1	174.2	190.0	212.6
65°	144.0	147.0	149.3	150.0	150.8	150.8	150.0	151.6	152.3	159.1	172.7
67.5°	135.0	137.2	138.7	139.5	138.7	139.5	138.7	137.2	135.7	137.2	143.3
70°	125.9	127.4	127.4	128.2	128.9	129.7	128.2	126.7	125.2	124.4	128.2
72.5°	115.4	116.9	116.9	117.6	117.6	119.1	119.1	118.4	118.4	119.1	119.9
75°	104.8	106.3	105.6	107.1	107.1	109.3	109.3	110.1	111.6	110.8	110.1
77.5°	95.0	95.8	95.8	96.5	97.3	101.0	103.3	104.1	104.1	102.5	101.0
80°	84.4	84.4	82.9	82.2	82.9	86.7	91.2	92.0	94.2	93.5	94.2
82.5°	70.9	67.9	65.6	65.6	67.1	69.4	70.9	72.4	73.9	73.9	75.4
85°	54.3	51.3	49.0	49.8	52.0	52.8	52.0	52.0	55.0	57.3	55.0
87.5°	32.4	29.4	27.9	25.6	26.4	28.7	27.9	25.6	26.4	21.1	19.6
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: P153514

CATALOG NUMBER: TLM-F03-LED-E1-SLR-7030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9
2.5°	803.8	803.0	801.5	799.2	798.5	797.0	797.7	795.5	794.0	792.4	790.2
5°	831.7	831.7	827.1	827.1	824.9	824.1	818.8	816.6	812.1	813.6	808.3
7.5°	851.3	853.5	848.2	847.5	844.5	843.7	836.9	834.7	830.9	829.4	824.9
10°	865.6	865.6	858.8	853.5	849.8	846.0	839.2	836.2	833.2	833.9	830.9
12.5°	876.9	871.6	861.8	854.3	849.0	845.2	839.9	837.7	836.9	842.2	843.0
15°	885.9	878.4	866.3	861.1	856.5	855.8	855.8	858.0	863.3	873.1	880.7
17.5°	891.2	886.7	880.7	879.2	886.7	891.2	897.3	904.0	911.6	925.1	933.4
20°	901.0	904.0	908.6	914.6	926.7	938.0	945.5	955.3	964.4	980.9	994.5
22.5°	926.7	944.0	958.3	970.4	988.5	1004.3	1014.1	1027.7	1034.5	1045.8	1066.9
25°	959.8	995.3	1025.4	1051.1	1079.0	1095.6	1109.1	1126.5	1137.0	1155.9	1174.7
27.5°	950.0	1000.5	1045.8	1093.3	1131.7	1174.7	1204.9	1233.5	1251.6	1279.5	1304.4
30°	919.9	980.2	1041.3	1103.8	1164.9	1226.7	1284.1	1336.1	1376.0	1416.0	1456.7
32.5°	879.2	948.5	1023.2	1100.1	1180.0	1266.0	1345.1	1423.5	1489.9	1547.9	1604.5
35°	832.4	910.8	988.5	1083.5	1182.3	1291.6	1401.7	1510.2	1611.3	1713.8	1783.2
37.5°	776.6	856.5	943.2	1052.6	1168.7	1303.7	1443.9	1585.6	1728.9	1866.9	1986.8
40°	717.0	798.5	889.7	1008.1	1139.3	1296.1	1471.0	1661.8	1858.6	2058.4	2217.5
42.5°	664.3	748.0	847.5	967.4	1109.9	1286.3	1492.9	1727.4	1967.9	2215.2	2449.0
45°	613.0	705.0	809.8	938.7	1097.1	1293.9	1525.3	1788.5	2065.9	2366.0	2651.0
47.5°	567.0	660.5	762.3	903.3	1078.2	1297.6	1557.0	1849.5	2158.7	2483.7	2822.2
50°	525.5	616.0	716.3	858.0	1048.8	1295.4	1585.6	1904.6	2238.6	2576.4	2954.1
52.5°	484.8	576.8	679.3	814.3	1012.6	1282.5	1599.2	1949.8	2312.5	2669.9	3060.5
55°	444.9	535.3	638.6	772.8	965.1	1249.4	1597.7	1979.2	2371.3	2758.1	3163.0
57.5°	398.1	484.1	585.1	726.8	914.6	1198.1	1575.1	1992.8	2421.8	2845.6	3285.9
60°	340.1	420.7	518.0	659.7	848.2	1132.5	1527.6	1985.3	2451.2	2910.4	3390.7
62.5°	268.4	338.5	427.5	566.2	765.3	1038.2	1438.6	1916.7	2404.5	2901.4	3439.7
63°	253.3	319.7	406.4	543.6	729.9	1012.6	1412.2	1889.5	2381.9	2882.5	3432.9
65°	203.6	246.6	315.9	438.8	610.7	886.7	1281.0	1750.0	2260.5	2749.8	3334.9
67.5°	156.1	177.9	214.9	300.8	432.0	697.4	1037.5	1483.1	1961.9	2421.8	3019.0
70°	133.5	143.3	159.1	199.8	274.5	440.3	728.4	1106.1	1520.8	1919.7	2456.5
72.5°	121.4	125.9	134.2	151.6	188.5	263.9	464.5	720.1	1034.5	1368.5	1783.2
75°	111.6	115.4	122.1	131.2	144.8	175.7	264.7	440.3	672.6	898.8	1203.4
77.5°	101.8	104.1	111.6	119.9	128.9	144.8	174.9	253.3	386.8	530.1	725.3
80°	93.5	92.0	97.3	110.8	119.9	128.9	138.0	164.4	220.2	290.3	392.1
82.5°	74.6	76.2	80.7	94.2	98.0	95.8	97.3	101.8	122.9	134.2	200.6
85°	50.5	46.7	46.0	47.5	47.5	45.2	45.2	44.5	49.0	55.8	95.8
87.5°	13.6	6.8	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: P153514

CATALOG NUMBER: TLM-F03-LED-E1-SLR-7030

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9	790.9
2.5°	788.7	787.9	788.7	784.9	784.9	784.2	783.4	781.9	781.9	778.9	781.1
5°	803.8	802.2	799.2	794.7	792.4	789.4	789.4	786.4	784.2	781.1	781.9
7.5°	821.1	821.9	816.6	812.8	811.3	808.3	809.0	804.5	805.3	803.0	801.5
10°	830.9	830.9	832.4	831.7	833.2	833.2	835.4	832.4	830.9	828.6	828.6
12.5°	846.7	849.8	855.8	855.8	860.3	861.8	862.6	864.1	861.1	859.6	854.3
15°	885.9	893.5	898.8	906.3	915.3	918.4	918.4	915.3	913.8	911.6	901.8
17.5°	950.8	967.4	971.9	984.0	985.5	989.2	999.8	993.8	990.0	974.2	971.1
20°	1017.1	1038.2	1059.4	1074.4	1082.0	1097.1	1099.3	1096.3	1081.2	1066.1	1059.4
22.5°	1097.1	1128.7	1152.9	1176.2	1187.5	1195.1	1211.7	1207.9	1195.8	1173.2	1164.2
25°	1210.2	1249.4	1275.0	1303.7	1318.7	1326.3	1342.9	1342.9	1330.0	1323.3	1322.5
27.5°	1352.7	1400.9	1443.1	1452.9	1492.2	1501.2	1517.0	1517.0	1505.0	1496.7	1536.6
30°	1511.0	1561.5	1634.7	1683.7	1731.2	1777.9	1777.2	1780.2	1794.5	1802.0	1819.4
32.5°	1669.3	1731.9	1809.6	1915.9	2017.7	2104.4	2216.7	2288.4	2266.5	2205.4	2181.3
35°	1861.6	1931.0	2025.2	2132.3	2318.5	2430.9	2485.2	2523.6	2528.1	2536.4	2553.8
37.5°	2075.7	2191.9	2301.2	2422.6	2525.9	2662.4	2788.3	2889.3	2912.7	2960.2	2933.0
40°	2346.4	2476.1	2590.7	2747.6	2886.3	3050.7	3230.9	3369.6	3425.4	3407.3	3271.6
42.5°	2629.9	2790.5	2924.7	3109.5	3289.7	3506.8	3693.1	3886.8	3921.5	3782.0	3579.2
45°	2890.8	3089.9	3256.5	3448.8	3668.9	3929.1	4177.9	4376.9	4370.1	4131.1	3859.7
47.5°	3125.3	3369.6	3573.2	3823.5	4060.3	4370.1	4655.9	4802.9	4716.2	4433.5	4101.0
50°	3319.1	3623.7	3874.8	4128.1	4429.0	4802.2	5077.4	5160.3	4992.9	4685.3	4335.5
52.5°	3475.2	3857.4	4139.4	4431.2	4811.2	5204.1	5440.8	5409.9	5193.5	4877.6	4529.2
55°	3607.1	4036.1	4372.4	4717.0	5188.2	5550.1	5707.7	5624.8	5322.4	5002.0	4661.9
57.5°	3743.6	4209.5	4586.5	4986.2	5510.9	5821.6	5909.0	5738.6	5383.5	5049.5	4719.2
60°	3880.1	4354.3	4775.8	5221.4	5755.2	6043.3	6019.1	5764.3	5365.4	5014.8	4680.8
62.5°	3972.0	4440.3	4885.9	5366.2	5938.5	6156.4	6008.6	5673.0	5260.6	4878.3	4566.2
63°	3974.3	4443.3	4892.7	5376.0	5958.8	6160.1	5988.2	5640.6	5227.4	4850.4	4532.3
65°	3926.8	4386.7	4832.3	5331.5	5941.5	6073.4	5812.5	5449.1	5038.2	4657.4	4355.8
67.5°	3684.0	4153.0	4546.6	5017.1	5630.8	5668.5	5342.0	5048.7	4679.3	4284.9	3969.8
70°	3194.7	3584.5	3970.5	4363.4	4878.3	4871.6	4564.7	4415.4	4091.9	3642.5	3390.0
72.5°	2541.0	2890.8	3162.2	3425.4	3764.7	3696.1	3498.5	3540.0	3330.4	2994.9	2844.8
75°	1886.5	2271.0	2403.7	2510.8	2654.1	2654.8	2709.1	2826.7	2823.7	2637.5	2448.2
77.5°	1237.3	1658.0	1702.5	1788.5	1960.4	2194.1	2435.4	2694.8	2759.6	2612.6	2332.9
80°	689.9	1127.2	1075.9	1149.8	1335.3	1652.8	2008.6	2295.2	2464.1	2381.9	2085.5
82.5°	352.9	649.9	621.3	723.8	873.9	1149.8	1385.1	1605.3	1804.3	1793.0	1680.7
85°	183.2	355.9	404.9	458.4	533.8	632.6	721.6	785.7	868.6	1014.9	1064.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.0	54.3	39.2	107.8	153.8
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: P153514

CATALOG NUMBER: TLM-F03-LED-E1-SLR-7030

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	790.9	790.9	790.9	790.9	790.9	790.9	790.9
2.5°	781.9	782.6	781.1	781.1	781.9	781.9	780.4
5°	780.4	780.4	778.9	777.4	775.9	775.9	774.4
7.5°	797.7	797.7	792.4	790.2	786.4	783.4	781.9
10°	823.4	818.8	812.8	808.3	802.2	795.5	791.7
12.5°	849.0	842.2	834.7	827.9	820.3	812.8	809.0
15°	891.2	882.2	872.4	864.1	853.5	842.2	837.7
17.5°	956.1	941.7	928.9	916.9	898.0	889.7	880.7
20°	1042.0	1020.9	1004.3	984.0	960.6	953.0	941.7
22.5°	1146.1	1128.0	1094.8	1079.7	1056.3	1045.0	1047.3
25°	1304.4	1281.0	1242.6	1228.3	1226.0	1201.1	1189.0
27.5°	1511.0	1512.5	1477.1	1438.6	1417.5	1378.3	1328.5
30°	1805.1	1784.7	1743.2	1704.0	1654.3	1580.4	1497.4
32.5°	2160.9	2115.7	2047.1	1974.0	1885.7	1771.9	1655.8
35°	2508.5	2429.4	2320.0	2197.9	2070.5	1928.7	1764.3
37.5°	2813.9	2691.0	2527.4	2387.1	2206.9	2029.8	1829.2
40°	3092.9	2940.6	2729.5	2547.7	2335.1	2107.4	1869.9
42.5°	3362.8	3169.8	2911.2	2665.4	2424.8	2159.4	1889.5
45°	3619.9	3371.1	3064.2	2771.7	2490.4	2193.4	1892.5
47.5°	3817.5	3546.0	3201.5	2848.6	2535.7	2219.0	1892.5
50°	4000.7	3693.8	3306.3	2908.9	2577.9	2236.3	1894.0
52.5°	4143.2	3797.9	3374.1	2951.9	2611.1	2249.2	1900.8
55°	4246.5	3865.7	3419.4	2978.3	2635.2	2267.3	1915.9
57.5°	4318.9	3910.2	3444.2	3001.6	2664.6	2298.9	1958.1
60°	4353.6	3992.4	3485.7	3048.4	2715.1	2366.0	2042.6
62.5°	4327.2	4119.8	3604.1	3127.6	2785.3	2470.8	2177.5
63°	4315.9	4143.2	3636.5	3144.9	2801.1	2493.5	2224.3
65°	4227.6	4166.6	3770.0	3232.4	2876.5	2593.7	2354.7
67.5°	3953.9	4074.6	3882.3	3380.2	3038.6	2837.3	2598.3
70°	3599.6	3938.1	3862.0	3399.0	3141.9	3037.1	2752.1
72.5°	3175.1	3525.7	3454.8	3147.9	3028.0	3039.3	2712.1
75°	2498.7	2761.9	2715.1	2607.3	2631.4	2714.4	2323.1
77.5°	2001.9	1966.4	1858.6	1866.1	2005.6	2102.9	1672.4
80°	1635.4	1324.0	1183.8	1187.5	1431.1	1532.1	1065.4
82.5°	1556.2	1252.4	1020.2	891.2	1041.3	1002.8	556.4
85°	1108.4	1110.6	921.4	748.7	725.3	616.8	346.8
87.5°	262.4	210.4	150.0	111.6	117.6	77.7	39.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)