

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: P153509

Luminaire Tested: **TLM-E03-LED-E1-SLR-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P153509  
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-E03-LED-E1-SLR-7030  
Description: TALON MEDIUM LED SITE LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (63) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

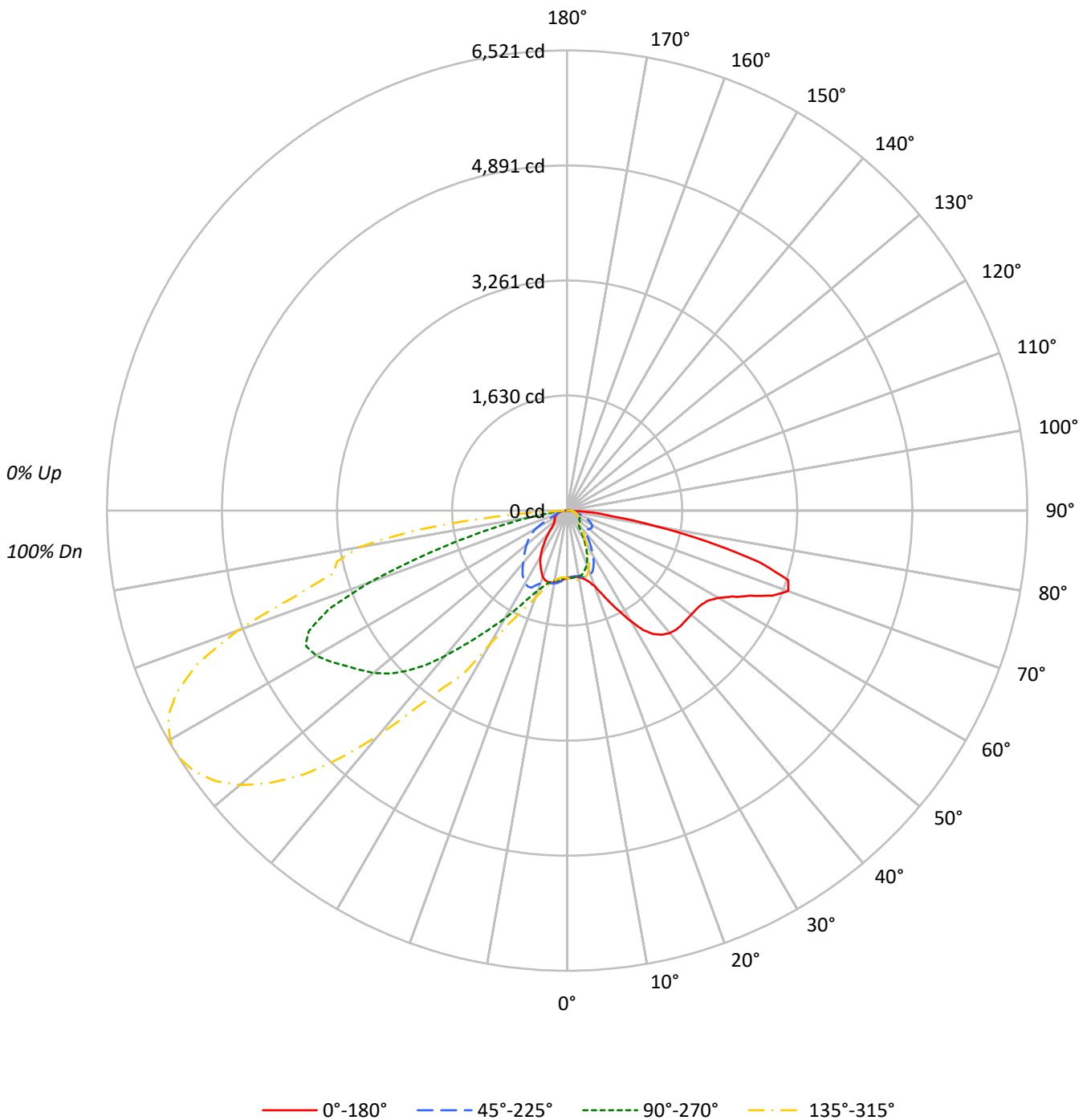
Lumens per Lamp: N/A  
Luminaire Lumens: 7624.1 lumens  
Efficiency: N/A  
Efficacy: 101.4 lumens/watt  
Spacing Criteria (0/90/45): 1.93 / 2.48 / 2.48  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
CIE Type: Direct

Input Watts (W): 75.2  
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			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°	20626	20626	20626	20626
5°	20270	20627	21612	21158
10°	20964	20704	22581	22002
15°	22615	20152	23348	23776
20°	26135	18582	23017	27599
25°	34214	15687	21000	33801
30°	45090	12146	18731	43865
35°	56167	8305	15001	56769
40°	63655	7265	10985	75489
45°	69795	7620	8260	97768
50°	76839	7800	7891	119849
55°	87106	7987	8055	143806
60°	106533	8770	8770	176843
65°	145299	9118	9261	205779
70°	209834	9655	9775	187300
75°	234060	10181	10788	121247
80°	160001	10984	12348	58875
85°	103766	13536	14894	28652



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.3	1.2
10°-20°	290.5	3.8
20°-30°	516.0	6.8
30°-40°	812.6	10.7
40°-50°	1195.9	15.7
50°-60°	1588.5	20.8
60°-70°	1749.8	23.0
70°-80°	1097.8	14.4
80°-90°	279.6	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°	899.8	11.8
0°-40°	1712.4	22.5
0°-60°	4496.9	59.0
0°-90°	7624.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7624.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	958	958	958	958	958	
5°	938	954	1000	979	938	90
15°	1015	904	1048	1067	1015	294
25°	1440	660	884	1423	1440	680
35°	2137	316	571	2160	2137	1324
45°	2292	250	271	3211	2292	1772
55°	2321	213	215	3832	2321	2105
65°	2852	179	182	4040	2852	2872
75°	2814	122	130	1458	2814	2752
85°	420	55	60	116	420	486
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°	958.1	958.1	958.1	958.1	958.1	958.1	958.1	958.1	958.1	958.1	958.1
2.5°	945.3	948.1	947.1	947.1	949.0	948.1	948.1	949.0	949.0	951.7	955.4
5°	938.0	937.1	935.3	937.1	937.1	937.1	933.4	936.2	937.1	938.9	938.9
7.5°	947.1	944.4	940.8	941.7	941.7	939.8	937.1	938.0	937.1	937.1	936.2
10°	959.0	952.6	948.1	948.1	948.1	946.2	941.7	944.4	944.4	943.5	944.4
12.5°	980.0	972.7	967.2	965.4	965.4	962.7	959.0	962.7	960.8	960.8	959.0
15°	1014.7	1006.5	1000.1	994.6	995.6	995.6	991.0	988.2	984.6	980.0	970.9
17.5°	1066.8	1057.7	1049.4	1044.9	1045.8	1039.4	1026.6	1013.8	996.5	979.1	959.9
20°	1140.8	1138.0	1127.1	1122.5	1111.5	1096.0	1060.4	1030.3	996.5	963.6	930.7
22.5°	1268.6	1255.9	1244.9	1227.5	1191.0	1148.1	1088.7	1035.7	982.8	936.2	892.3
25°	1440.4	1417.5	1363.6	1310.7	1235.8	1159.0	1078.7	1010.2	944.4	883.2	829.3
27.5°	1609.3	1539.9	1444.0	1348.1	1238.5	1138.0	1037.6	956.3	879.6	812.9	753.5
30°	1813.9	1697.0	1550.0	1398.3	1243.1	1107.9	987.3	892.3	803.7	733.4	671.3
32.5°	2005.7	1836.7	1644.0	1444.9	1253.1	1079.6	929.8	822.0	730.7	642.1	580.9
35°	2137.2	1918.0	1684.2	1449.5	1228.5	1025.7	857.6	730.7	639.3	557.1	485.0
37.5°	2215.8	1953.7	1686.0	1416.6	1170.9	952.6	766.3	640.3	556.2	477.7	421.1
40°	2265.1	1961.9	1662.3	1369.1	1097.8	860.4	675.0	561.7	485.0	422.0	378.1
42.5°	2288.9	1949.1	1623.9	1308.8	1023.9	778.2	611.0	504.2	437.5	392.7	359.9
45°	2292.5	1926.3	1582.8	1254.0	958.1	718.8	567.2	480.4	425.6	388.2	355.3
47.5°	2292.5	1906.2	1550.0	1213.8	915.2	693.2	563.5	490.5	436.6	394.6	355.3
50°	2294.3	1899.8	1536.3	1193.7	900.6	706.9	594.6	521.5	460.3	405.5	354.4
52.5°	2302.6	1908.0	1547.2	1209.3	927.1	761.7	653.0	568.1	491.4	418.3	354.4
55°	2320.8	1935.4	1593.8	1263.2	998.3	844.8	723.4	618.3	516.0	423.8	348.9
57.5°	2372.0	2004.8	1678.7	1367.3	1119.8	940.8	787.3	654.0	525.2	419.2	337.9
60°	2474.3	2142.7	1824.0	1513.4	1248.5	1023.0	824.8	659.4	517.0	404.6	320.6
62.5°	2637.8	2300.7	2000.2	1672.3	1362.7	1068.6	829.3	645.7	495.0	378.1	295.0
63°	2694.4	2340.0	2037.7	1702.5	1377.3	1072.3	825.7	640.3	489.6	370.8	291.4
65°	2852.4	2505.3	2167.4	1808.4	1418.4	1073.2	805.6	612.9	464.0	342.5	265.8
67.5°	3147.4	2722.7	2330.9	1891.5	1433.0	1044.0	754.4	561.7	410.1	298.7	233.8
70°	3333.7	2844.2	2393.9	1893.4	1390.1	960.8	665.8	478.6	341.6	247.5	200.9
72.5°	3285.3	2724.5	2227.7	1722.6	1204.7	802.8	535.2	376.3	266.7	198.2	167.1
75°	2814.0	2267.8	1817.6	1334.4	910.6	590.0	391.8	268.5	197.3	155.3	139.7
77.5°	2025.8	1632.2	1303.4	950.8	613.8	381.8	260.3	191.8	149.8	127.9	115.1
80°	1290.6	957.2	797.4	571.8	358.9	236.6	179.0	145.2	123.3	106.9	98.6
82.5°	674.1	472.2	383.6	292.3	199.1	156.2	131.5	118.7	101.4	88.6	84.0
85°	420.1	278.6	206.4	144.3	99.6	89.5	82.2	80.4	72.2	63.9	61.2
87.5°	47.5	42.9	44.8	28.3	21.0	22.8	21.9	29.2	28.3	21.0	21.9
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°	958.1	958.1	958.1	958.1	958.1	958.1	958.1	958.1	958.1	958.1	958.1
2.5°	951.7	953.5	953.5	956.3	956.3	958.1	959.9	959.9	961.8	962.7	964.5
5°	940.8	940.8	940.8	944.4	945.3	950.8	952.6	954.5	956.3	962.7	966.3
7.5°	938.0	934.4	936.2	936.2	938.9	943.5	948.1	950.8	953.5	961.8	967.2
10°	943.5	940.8	938.0	938.0	938.9	940.8	944.4	947.1	949.0	957.2	961.8
12.5°	958.1	951.7	946.2	941.7	938.0	937.1	935.3	936.2	938.0	942.6	949.0
15°	960.8	949.0	937.1	925.2	916.1	910.6	906.0	904.2	904.2	907.0	914.3
17.5°	942.6	922.5	905.1	889.6	879.6	869.5	864.9	861.3	859.5	863.1	864.0
20°	903.3	879.6	855.8	837.5	819.3	816.5	809.2	811.1	812.9	818.4	821.1
22.5°	849.4	821.1	791.9	772.7	758.1	745.3	737.1	740.7	743.5	748.9	751.7
25°	783.7	742.6	711.5	692.3	676.8	665.8	656.7	660.4	656.7	663.1	673.1
27.5°	706.0	657.6	624.7	602.8	591.9	582.7	573.6	573.6	582.7	582.7	590.9
30°	611.9	576.3	533.4	510.6	496.9	491.4	490.5	488.6	495.0	498.7	507.8
32.5°	523.3	479.5	438.4	416.5	404.6	398.2	399.1	400.0	402.8	408.3	422.9
35°	433.8	395.5	366.3	341.6	329.7	317.8	317.8	316.0	318.8	325.2	342.5
37.5°	376.3	342.5	319.7	300.5	288.6	281.3	274.9	272.2	272.2	274.9	281.3
40°	344.3	319.7	298.7	282.2	271.3	264.9	261.2	258.5	256.7	256.7	257.6
42.5°	329.7	304.1	283.1	268.5	260.3	256.7	255.7	254.8	252.1	251.2	250.3
45°	322.4	293.2	269.4	257.6	251.2	249.3	250.3	250.3	249.3	247.5	243.9
47.5°	316.9	283.1	259.4	248.4	245.7	245.7	245.7	245.7	244.8	243.9	241.1
50°	307.8	267.6	242.0	233.8	232.0	232.0	232.9	232.9	234.7	232.9	231.1
52.5°	297.8	253.0	227.4	220.1	219.2	218.3	218.3	218.3	219.2	219.2	218.3
55°	286.8	242.0	220.1	214.6	215.6	214.6	213.7	212.8	212.8	211.9	210.1
57.5°	275.8	232.9	214.6	211.0	211.9	211.9	210.1	208.2	207.3	204.6	202.8
60°	259.4	220.1	203.7	201.9	204.6	204.6	204.6	203.7	203.7	202.8	198.2
62.5°	237.5	201.9	189.1	190.0	190.9	192.7	192.7	192.7	192.7	190.9	186.3
63°	232.9	198.2	186.3	186.3	189.1	189.1	190.0	189.1	190.0	188.2	182.7
65°	214.6	186.3	177.2	178.1	179.9	179.9	179.9	179.0	179.0	176.3	173.5
67.5°	193.6	171.7	166.2	167.1	168.1	169.9	169.0	169.0	169.9	168.1	165.3
70°	169.9	156.2	152.5	153.4	154.4	154.4	153.4	153.4	154.4	152.5	149.8
72.5°	151.6	146.1	143.4	143.4	141.6	141.6	139.7	138.8	137.9	137.9	135.2
75°	127.9	127.0	127.9	129.7	127.9	126.0	125.1	122.4	120.6	120.6	119.6
77.5°	109.6	109.6	111.4	114.2	115.1	115.1	112.3	107.8	106.9	106.9	106.9
80°	95.0	93.2	93.2	95.9	98.6	97.7	93.2	88.6	88.6	93.2	94.1
82.5°	83.1	83.1	80.4	81.3	80.4	79.5	74.9	72.2	71.2	74.9	78.5
85°	65.8	66.7	65.8	64.8	63.9	61.2	57.5	54.8	53.9	57.5	63.0
87.5°	26.5	25.6	24.7	25.6	24.7	26.5	25.6	23.7	22.8	25.6	31.1
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	958.1	958.1	958.1	958.1	958.1	958.1	958.1	958.1	958.1	958.1	958.1
2.5°	965.4	967.2	969.1	969.1	970.9	970.0	970.9	971.8	971.8	972.7	972.7
5°	970.9	973.6	977.3	980.9	981.9	984.6	987.3	985.5	988.2	991.9	991.9
7.5°	972.7	979.1	981.9	987.3	988.2	991.9	998.3	993.7	999.2	1001.9	1002.9
10°	970.0	976.4	980.9	987.3	990.1	996.5	1002.9	1001.0	1007.4	1012.0	1012.9
12.5°	953.5	959.9	970.0	979.1	986.4	996.5	1008.3	1004.7	1013.8	1019.3	1022.0
15°	921.6	928.0	938.9	953.5	967.2	982.8	998.3	1001.0	1010.2	1016.6	1019.3
17.5°	871.3	879.6	891.4	907.0	924.3	950.8	970.9	980.9	993.7	997.4	1001.9
20°	824.8	833.0	840.3	849.4	862.2	887.8	914.3	934.4	950.8	964.5	968.2
22.5°	762.6	770.0	779.1	786.4	795.5	813.8	835.7	858.5	884.1	892.3	901.5
25°	687.8	692.3	705.1	709.7	716.1	731.6	748.9	765.4	790.0	807.4	812.0
27.5°	607.4	611.9	623.8	626.6	634.8	649.4	662.2	668.6	691.4	709.7	724.3
30°	514.2	526.1	540.7	542.5	551.7	560.8	572.7	579.1	600.1	619.3	637.5
32.5°	433.8	445.7	457.6	464.9	469.5	476.8	488.6	495.0	515.1	532.5	550.8
35°	351.6	366.3	379.0	389.1	392.7	401.9	411.0	417.4	438.4	453.9	466.7
37.5°	289.5	300.5	314.2	324.2	334.3	340.7	351.6	360.8	373.6	381.8	395.5
40°	259.4	264.9	272.2	280.4	288.6	295.9	304.1	311.5	319.7	330.6	339.8
42.5°	249.3	250.3	250.3	253.0	257.6	261.2	268.5	274.0	279.5	287.7	292.3
45°	242.0	241.1	239.3	237.5	238.4	240.2	244.8	248.4	254.8	258.5	259.4
47.5°	238.4	234.7	231.1	228.3	227.4	228.3	232.0	235.6	239.3	242.0	243.0
50°	226.5	223.8	218.3	214.6	212.8	214.6	219.2	221.0	224.7	227.4	228.3
52.5°	214.6	211.0	207.3	203.7	203.7	204.6	208.2	211.9	215.6	216.5	218.3
55°	207.3	201.9	198.2	195.5	193.6	196.4	199.1	203.7	208.2	209.2	211.0
57.5°	200.0	194.5	190.9	188.2	186.3	189.1	191.8	198.2	203.7	203.7	203.7
60°	195.5	190.9	185.4	182.7	179.9	182.7	186.3	192.7	198.2	197.3	196.4
62.5°	182.7	178.1	175.4	175.4	172.6	177.2	180.8	188.2	189.1	187.2	185.4
63°	179.0	175.4	173.5	173.5	171.7	176.3	179.9	186.3	186.3	184.5	182.7
65°	169.9	167.1	165.3	167.1	167.1	171.7	172.6	177.2	176.3	173.5	172.6
67.5°	162.6	160.7	158.9	158.9	158.9	159.8	160.7	162.6	161.7	160.7	161.7
70°	150.7	149.8	148.0	148.0	147.0	147.0	147.0	148.0	148.0	148.9	149.8
72.5°	136.1	134.3	134.3	135.2	133.3	134.3	135.2	134.3	136.1	136.1	137.0
75°	119.6	118.7	120.6	122.4	121.5	121.5	122.4	122.4	123.3	123.3	124.2
77.5°	106.9	107.8	108.7	110.5	111.4	111.4	111.4	110.5	111.4	111.4	112.3
80°	95.0	96.8	98.6	100.5	101.4	101.4	101.4	100.5	100.5	100.5	100.5
82.5°	85.9	88.6	90.4	91.3	91.3	91.3	91.3	91.3	91.3	89.5	87.7
85°	72.2	77.6	77.6	78.5	75.8	74.0	72.2	73.1	74.0	70.3	69.4
87.5°	36.5	36.5	38.4	40.2	41.1	41.1	46.6	43.8	42.9	42.0	40.2
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: P153509

CATALOG NUMBER: TLM-E03-LED-E1-SLR-7030

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	958.1	958.1	958.1	958.1	958.1	958.1	958.1	958.1	958.1	958.1	958.1
2.5°	973.6	972.7	974.5	972.7	973.6	974.5	972.7	975.5	977.3	974.5	971.8
5°	993.7	993.7	998.3	1000.1	1001.0	1006.5	1003.8	1005.6	1007.4	1006.5	1007.4
7.5°	1006.5	1010.2	1014.7	1019.3	1020.2	1024.8	1023.9	1026.6	1028.4	1033.0	1033.0
10°	1017.5	1022.0	1028.4	1033.0	1037.6	1041.2	1043.0	1048.5	1049.4	1053.1	1053.1
12.5°	1027.5	1033.0	1039.4	1046.7	1051.3	1058.6	1059.5	1067.7	1070.4	1071.4	1068.6
15°	1025.7	1032.1	1039.4	1047.6	1055.8	1065.0	1070.4	1078.7	1083.2	1085.1	1080.5
17.5°	1008.3	1013.8	1023.0	1033.9	1044.0	1055.8	1065.9	1077.8	1085.1	1086.9	1086.0
20°	974.5	978.2	990.1	1004.7	1016.6	1034.8	1049.4	1067.7	1079.6	1088.7	1091.5
22.5°	907.9	917.0	928.9	945.3	962.7	985.5	1006.5	1033.0	1058.6	1080.5	1102.4
25°	827.5	843.9	862.2	884.1	905.1	928.9	952.6	982.8	1020.2	1065.9	1117.9
27.5°	746.2	774.5	797.4	825.7	850.3	874.1	900.6	933.4	974.5	1029.3	1096.0
30°	664.0	696.0	720.6	753.5	786.4	818.4	844.8	879.6	919.7	975.5	1048.5
32.5°	576.3	608.3	637.5	667.7	704.2	742.6	774.5	817.4	860.4	917.9	991.9
35°	485.9	514.2	538.9	570.8	611.0	652.1	694.1	743.5	790.0	850.3	928.9
37.5°	407.4	427.4	451.2	479.5	510.6	554.4	601.9	660.4	713.3	779.1	859.5
40°	342.5	353.5	367.2	390.9	419.2	462.2	508.7	570.8	634.8	706.9	784.6
42.5°	292.3	297.8	301.4	316.9	339.8	381.8	426.5	486.8	557.1	635.7	714.2
45°	259.4	262.1	263.0	271.3	287.7	324.2	370.8	422.0	489.6	566.3	648.5
47.5°	243.9	246.6	248.4	250.3	260.3	288.6	330.6	379.0	441.1	511.5	595.5
50°	231.1	233.8	236.6	235.6	240.2	258.5	294.1	338.9	397.3	462.2	545.3
52.5°	218.3	220.1	220.1	220.1	222.9	234.7	260.3	301.4	355.3	416.5	498.7
55°	211.0	212.8	213.7	214.6	215.6	221.9	241.1	274.0	320.6	377.2	451.2
57.5°	203.7	204.6	206.4	207.3	209.2	212.8	224.7	248.4	287.7	335.2	397.3
60°	197.3	199.1	202.8	203.7	205.5	206.4	211.9	226.5	252.1	288.6	338.9
62.5°	187.2	190.0	193.6	194.5	196.4	197.3	198.2	206.4	218.3	240.2	277.7
63°	184.5	187.2	191.8	192.7	193.6	193.6	194.5	200.0	211.0	230.2	257.6
65°	174.4	178.1	180.8	181.8	182.7	182.7	181.8	183.6	184.5	192.7	209.2
67.5°	163.5	166.2	168.1	169.0	168.1	169.0	168.1	166.2	164.4	166.2	173.5
70°	152.5	154.4	154.4	155.3	156.2	157.1	155.3	153.4	151.6	150.7	155.3
72.5°	139.7	141.6	141.6	142.5	142.5	144.3	144.3	143.4	143.4	144.3	145.2
75°	127.0	128.8	127.9	129.7	129.7	132.4	132.4	133.3	135.2	134.3	133.3
77.5°	115.1	116.0	116.0	116.9	117.8	122.4	125.1	126.0	126.0	124.2	122.4
80°	102.3	102.3	100.5	99.6	100.5	105.0	110.5	111.4	114.2	113.3	114.2
82.5°	85.9	82.2	79.5	79.5	81.3	84.0	85.9	87.7	89.5	89.5	91.3
85°	65.8	62.1	59.4	60.3	63.0	63.9	63.0	63.0	66.7	69.4	66.7
87.5°	39.3	35.6	33.8	31.1	32.0	34.7	33.8	31.1	32.0	25.6	23.7
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: P153509

CATALOG NUMBER: TLM-E03-LED-E1-SLR-7030

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	958.1	958.1	958.1	958.1	958.1	958.1	958.1	958.1	958.1	958.1	958.1
2.5°	973.6	972.7	970.9	968.2	967.2	965.4	966.3	963.6	961.8	959.9	957.2
5°	1007.4	1007.4	1001.9	1001.9	999.2	998.3	991.9	989.2	983.7	985.5	979.1
7.5°	1031.2	1033.9	1027.5	1026.6	1023.0	1022.0	1013.8	1011.1	1006.5	1004.7	999.2
10°	1048.5	1048.5	1040.3	1033.9	1029.3	1024.8	1016.6	1012.9	1009.3	1010.2	1006.5
12.5°	1062.2	1055.8	1044.0	1034.8	1028.4	1023.9	1017.5	1014.7	1013.8	1020.2	1021.1
15°	1073.2	1064.1	1049.4	1043.0	1037.6	1036.7	1036.7	1039.4	1045.8	1057.7	1066.8
17.5°	1079.6	1074.1	1066.8	1065.0	1074.1	1079.6	1086.9	1095.1	1104.2	1120.7	1130.7
20°	1091.5	1095.1	1100.6	1107.9	1122.5	1136.2	1145.3	1157.2	1168.2	1188.3	1204.7
22.5°	1122.5	1143.5	1160.9	1175.5	1197.4	1216.6	1228.5	1244.9	1253.1	1266.8	1292.4
25°	1162.7	1205.6	1242.2	1273.2	1307.0	1327.1	1343.5	1364.5	1377.3	1400.2	1423.0
27.5°	1150.8	1212.0	1266.8	1324.4	1370.9	1423.0	1459.5	1494.2	1516.2	1550.0	1580.1
30°	1114.3	1187.4	1261.3	1337.1	1411.1	1486.0	1555.4	1618.5	1666.9	1715.3	1764.6
32.5°	1065.0	1149.0	1239.4	1332.6	1429.4	1533.5	1629.4	1724.4	1804.8	1875.1	1943.6
35°	1008.3	1103.3	1197.4	1312.5	1432.1	1564.6	1697.9	1829.4	1951.8	2076.0	2160.1
37.5°	940.8	1037.6	1142.6	1275.0	1415.7	1579.2	1749.1	1920.8	2094.3	2261.5	2406.7
40°	868.6	967.2	1077.8	1221.1	1380.1	1570.0	1781.9	2013.0	2251.4	2493.4	2686.2
42.5°	804.7	906.0	1026.6	1171.8	1344.5	1558.2	1808.4	2092.5	2383.8	2683.4	2966.6
45°	742.6	854.0	980.9	1137.1	1328.9	1567.3	1847.7	2166.5	2502.6	2866.1	3211.3
47.5°	686.8	800.1	923.4	1094.2	1306.1	1571.9	1886.1	2240.4	2614.9	3008.6	3418.7
50°	636.6	746.2	867.7	1039.4	1270.5	1569.1	1920.8	2307.1	2711.7	3120.9	3578.5
52.5°	587.3	698.7	822.9	986.4	1226.6	1553.6	1937.2	2361.9	2801.2	3234.2	3707.3
55°	538.9	648.5	773.6	936.2	1169.1	1513.4	1935.4	2397.5	2872.5	3341.0	3831.5
57.5°	482.2	586.4	708.8	880.5	1107.9	1451.3	1908.0	2414.0	2933.7	3447.0	3980.4
60°	411.9	509.6	627.5	799.2	1027.5	1371.9	1850.4	2404.9	2969.3	3525.5	4107.3
62.5°	325.2	410.1	517.9	685.9	927.1	1257.7	1742.7	2321.7	2912.7	3514.6	4166.7
63°	306.9	387.3	492.3	658.5	884.1	1226.6	1710.7	2288.9	2885.3	3491.7	4158.5
65°	246.6	298.7	382.7	531.6	739.8	1074.1	1551.8	2119.9	2738.2	3331.0	4039.7
67.5°	189.1	215.6	260.3	364.4	523.3	844.8	1256.8	1796.6	2376.5	2933.7	3657.1
70°	161.7	173.5	192.7	242.0	332.5	533.4	882.3	1339.9	1842.2	2325.4	2975.7
72.5°	147.0	152.5	162.6	183.6	228.3	319.7	562.6	872.2	1253.1	1657.7	2160.1
75°	135.2	139.7	148.0	158.9	175.4	212.8	320.6	533.4	814.7	1088.7	1457.7
77.5°	123.3	126.0	135.2	145.2	156.2	175.4	211.9	306.9	468.5	642.1	878.6
80°	113.3	111.4	117.8	134.3	145.2	156.2	167.1	199.1	266.7	351.6	474.9
82.5°	90.4	92.2	97.7	114.2	118.7	116.0	117.8	123.3	148.9	162.6	243.0
85°	61.2	56.6	55.7	57.5	57.5	54.8	54.8	53.9	59.4	67.6	116.0
87.5°	16.4	8.2	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: P153509

CATALOG NUMBER: TLM-E03-LED-E1-SLR-7030

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	958.1	958.1	958.1	958.1	958.1	958.1	958.1	958.1	958.1	958.1	958.1
2.5°	955.4	954.5	955.4	950.8	950.8	949.9	949.0	947.1	947.1	943.5	946.2
5°	973.6	971.8	968.2	962.7	959.9	956.3	956.3	952.6	949.9	946.2	947.1
7.5°	994.6	995.6	989.2	984.6	982.8	979.1	980.0	974.5	975.5	972.7	970.9
10°	1006.5	1006.5	1008.3	1007.4	1009.3	1009.3	1012.0	1008.3	1006.5	1003.8	1003.8
12.5°	1025.7	1029.3	1036.7	1036.7	1042.1	1044.0	1044.9	1046.7	1043.0	1041.2	1034.8
15°	1073.2	1082.3	1088.7	1097.8	1108.8	1112.5	1112.5	1108.8	1107.0	1104.2	1092.4
17.5°	1151.7	1171.8	1177.3	1191.9	1193.7	1198.3	1211.1	1203.8	1199.2	1180.0	1176.4
20°	1232.1	1257.7	1283.3	1301.5	1310.7	1328.9	1331.7	1328.0	1309.7	1291.5	1283.3
22.5°	1328.9	1367.3	1396.5	1424.8	1438.5	1447.7	1467.8	1463.2	1448.6	1421.2	1410.2
25°	1465.9	1513.4	1544.5	1579.2	1597.4	1606.6	1626.7	1626.7	1611.2	1602.9	1602.0
27.5°	1638.6	1697.0	1748.2	1760.0	1807.5	1818.5	1837.7	1837.7	1823.0	1813.0	1861.4
30°	1830.4	1891.5	1980.1	2039.5	2097.1	2153.7	2152.8	2156.4	2173.8	2182.9	2203.9
32.5°	2022.2	2098.0	2192.0	2320.8	2444.1	2549.2	2685.2	2772.0	2745.5	2671.5	2642.3
35°	2255.1	2339.1	2453.3	2583.0	2808.6	2944.6	3010.4	3057.0	3062.5	3072.5	3093.5
37.5°	2514.5	2655.1	2787.5	2934.6	3059.7	3225.0	3377.6	3500.0	3528.3	3585.8	3552.9
40°	2842.3	2999.4	3138.3	3328.2	3496.3	3695.4	3913.7	4081.8	4149.4	4127.4	3963.0
42.5°	3185.8	3380.3	3542.9	3766.7	3984.9	4248.0	4473.6	4708.3	4750.3	4581.4	4335.7
45°	3501.8	3742.9	3944.8	4177.7	4444.4	4759.5	5060.9	5302.0	5293.8	5004.2	4675.4
47.5°	3785.8	4081.8	4328.4	4631.6	4918.4	5293.8	5639.9	5818.0	5713.0	5370.5	4967.7
50°	4020.6	4389.6	4693.7	5000.6	5365.0	5817.1	6150.5	6251.0	6048.2	5675.6	5251.8
52.5°	4209.6	4672.7	5014.3	5367.8	5828.1	6303.9	6590.7	6553.3	6291.2	5908.5	5486.5
55°	4369.5	4889.2	5296.5	5713.9	6284.8	6723.2	6914.1	6813.6	6447.3	6059.2	5647.2
57.5°	4534.8	5099.2	5555.9	6040.0	6675.7	7052.0	7157.9	6951.5	6521.3	6116.7	5716.7
60°	4700.1	5274.6	5785.2	6325.0	6971.6	7320.5	7291.3	6982.6	6499.4	6074.7	5670.1
62.5°	4811.5	5378.7	5918.5	6500.3	7193.5	7457.5	7278.5	6872.0	6372.4	5909.4	5531.2
63°	4814.3	5382.4	5926.7	6512.2	7218.2	7462.1	7253.8	6832.8	6332.3	5875.6	5490.1
65°	4756.7	5313.9	5853.7	6458.3	7197.2	7357.0	7041.0	6600.8	6103.0	5641.8	5276.4
67.5°	4462.6	5030.7	5507.5	6077.4	6820.9	6866.6	6471.1	6115.8	5668.3	5190.6	4808.8
70°	3869.9	4342.1	4809.7	5285.6	5909.4	5901.2	5529.4	5348.6	4956.8	4412.4	4106.4
72.5°	3078.0	3501.8	3830.6	4149.4	4560.4	4477.2	4237.9	4288.2	4034.3	3627.8	3446.1
75°	2285.2	2751.0	2911.8	3041.5	3215.0	3215.9	3281.7	3424.2	3420.5	3194.9	2965.6
77.5°	1498.8	2008.5	2062.3	2166.5	2374.7	2657.8	2950.1	3264.3	3342.9	3164.8	2825.9
80°	835.7	1365.5	1303.4	1392.9	1617.5	2002.1	2433.2	2780.2	2984.8	2885.3	2526.3
82.5°	427.4	787.3	752.6	876.8	1058.6	1392.9	1677.8	1944.5	2185.6	2171.9	2035.9
85°	221.9	431.1	490.5	555.3	646.7	766.3	874.1	951.7	1052.2	1229.4	1289.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.0	65.8	47.5	130.6	186.3
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: P153509

CATALOG NUMBER: TLM-E03-LED-E1-SLR-7030

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	958.1	958.1	958.1	958.1	958.1	958.1	958.1
2.5°	947.1	948.1	946.2	946.2	947.1	947.1	945.3
5°	945.3	945.3	943.5	941.7	939.8	939.8	938.0
7.5°	966.3	966.3	959.9	957.2	952.6	949.0	947.1
10°	997.4	991.9	984.6	979.1	971.8	963.6	959.0
12.5°	1028.4	1020.2	1011.1	1002.9	993.7	984.6	980.0
15°	1079.6	1068.6	1056.7	1046.7	1033.9	1020.2	1014.7
17.5°	1158.1	1140.8	1125.2	1110.6	1087.8	1077.8	1066.8
20°	1262.3	1236.7	1216.6	1191.9	1163.6	1154.5	1140.8
22.5°	1388.3	1366.4	1326.2	1307.9	1279.6	1265.9	1268.6
25°	1580.1	1551.8	1505.2	1487.8	1485.1	1455.0	1440.4
27.5°	1830.4	1832.2	1789.3	1742.7	1717.1	1669.6	1609.3
30°	2186.6	2161.9	2111.7	2064.2	2003.9	1914.4	1813.9
32.5°	2617.7	2562.9	2479.7	2391.2	2284.3	2146.4	2005.7
35°	3038.7	2942.8	2810.4	2662.4	2508.1	2336.4	2137.2
37.5°	3408.6	3259.7	3061.6	2891.7	2673.4	2458.7	2215.8
40°	3746.6	3562.1	3306.3	3086.2	2828.6	2552.8	2265.1
42.5°	4073.5	3839.7	3526.4	3228.7	2937.3	2615.8	2288.9
45°	4385.0	4083.6	3711.9	3357.5	3016.8	2656.9	2292.5
47.5°	4624.3	4295.5	3878.1	3450.6	3071.6	2688.0	2292.5
50°	4846.2	4474.5	4005.0	3523.7	3122.7	2709.0	2294.3
52.5°	5018.9	4600.5	4087.2	3575.8	3162.9	2724.5	2302.6
55°	5144.0	4682.7	4142.0	3607.7	3192.2	2746.4	2320.8
57.5°	5231.7	4736.6	4172.2	3636.0	3227.8	2784.8	2372.0
60°	5273.7	4836.2	4222.4	3692.7	3289.0	2866.1	2474.3
62.5°	5241.7	4990.5	4365.8	3788.6	3373.9	2993.0	2637.8
63°	5228.0	5018.9	4405.1	3809.6	3393.1	3020.4	2694.4
65°	5121.2	5047.2	4566.8	3915.5	3484.4	3141.9	2852.4
67.5°	4789.6	4935.7	4702.8	4094.5	3680.8	3436.9	3147.4
70°	4360.3	4770.4	4678.2	4117.4	3805.9	3679.0	3333.7
72.5°	3846.1	4270.8	4185.0	3813.2	3668.0	3681.7	3285.3
75°	3026.8	3345.6	3289.0	3158.4	3187.6	3288.1	2814.0
77.5°	2424.9	2382.0	2251.4	2260.5	2429.5	2547.3	2025.8
80°	1981.1	1603.8	1434.0	1438.5	1733.5	1855.9	1290.6
82.5°	1885.2	1517.1	1235.8	1079.6	1261.3	1214.8	674.1
85°	1342.6	1345.4	1116.1	907.0	878.6	747.1	420.1
87.5°	317.8	254.8	181.8	135.2	142.5	94.1	47.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)