

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: P153508

Luminaire Tested: **TLM-E03-LED-E1-SLR-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P153508
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-8030
Description: TALON MEDIUM LED SITE LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (63) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

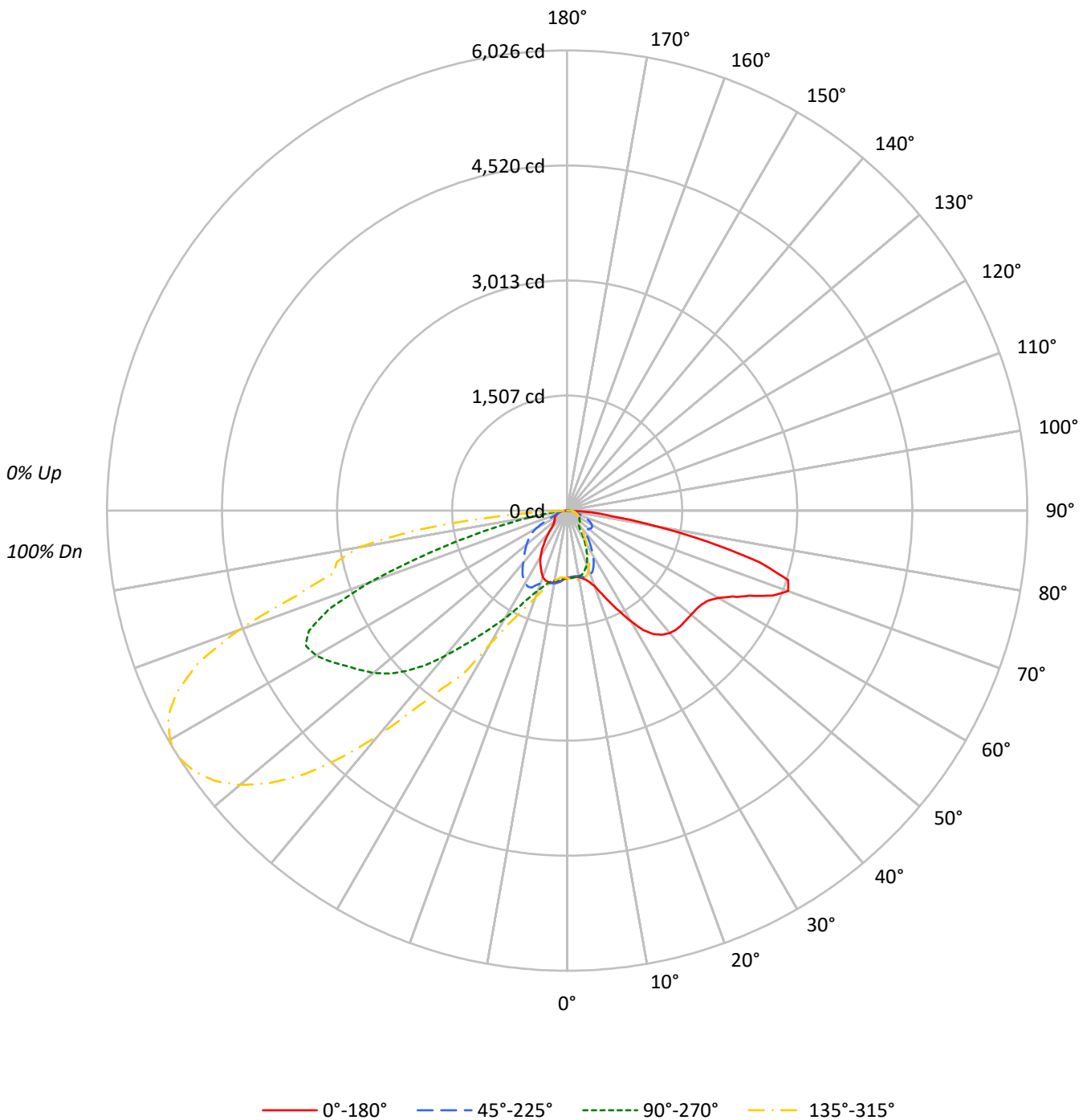
Lumens per Lamp: N/A
Luminaire Lumens: 7045.1 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Spacing Criteria (0/90/45): 1.93 / 2.48 / 2.48
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
CIE Type: Direct

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	
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°	19059	19059	19059	19059
5°	18732	19060	19972	19553
10°	19372	19132	20867	20332
15°	20899	18623	21576	21971
20°	24149	17171	21269	25503
25°	31616	14494	19406	31233
30°	41667	11223	17309	40534
35°	51902	7674	13863	52456
40°	58822	6711	10151	69756
45°	64495	7042	7633	90345
50°	71005	7207	7291	110749
55°	80492	7379	7443	132884
60°	98442	8103	8103	163413
65°	134266	8425	8558	190156
70°	193903	8925	9032	173075
75°	216286	9407	9965	112040
80°	147851	10153	11406	54412
85°	95887	12498	13758	26479



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	1.2
10°-20°	268.4	3.8
20°-30°	476.9	6.8
30°-40°	750.9	10.7
40°-50°	1105.1	15.7
50°-60°	1467.9	20.8
60°-70°	1616.9	23.0
70°-80°	1014.4	14.4
80°-90°	258.4	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°	831.4	11.8
0°-40°	1582.4	22.5
0°-60°	4155.4	59.0
0°-90°	7045.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7045.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	885	885	885	885	885	
5°	867	882	924	905	867	84
15°	938	836	968	986	938	272
25°	1331	610	817	1315	1331	628
35°	1975	292	528	1996	1975	1224
45°	2118	231	251	2968	2118	1638
55°	2145	197	198	3540	2145	1945
65°	2636	165	168	3733	2636	2654
75°	2600	113	120	1347	2600	2543
85°	388	51	56	107	388	449
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°	885.3	885.3	885.3	885.3	885.3	885.3	885.3	885.3	885.3	885.3	885.3
2.5°	873.5	876.1	875.2	875.2	876.9	876.1	876.1	876.9	876.9	879.4	882.8
5°	866.8	865.9	864.2	865.9	865.9	865.9	862.6	865.1	865.9	867.6	867.6
7.5°	875.2	872.7	869.3	870.2	870.2	868.5	865.9	866.8	865.9	865.9	865.1
10°	886.2	880.3	876.1	876.1	876.1	874.4	870.2	872.7	872.7	871.8	872.7
12.5°	905.6	898.9	893.8	892.1	892.1	889.6	886.2	889.6	887.9	887.9	886.2
15°	937.7	930.1	924.2	919.1	920.0	920.0	915.7	913.2	909.8	905.6	897.2
17.5°	985.8	977.3	969.7	965.5	966.4	960.5	948.6	936.8	920.8	904.8	887.0
20°	1054.1	1051.6	1041.5	1037.3	1027.1	1012.8	979.9	952.0	920.8	890.4	860.0
22.5°	1172.3	1160.5	1150.4	1134.3	1100.6	1060.9	1006.0	957.1	908.1	865.1	824.6
25°	1331.0	1309.9	1260.1	1211.1	1141.9	1071.0	996.8	933.5	872.7	816.1	766.3
27.5°	1487.1	1423.0	1334.3	1245.7	1144.5	1051.6	958.8	883.7	812.8	751.2	696.3
30°	1676.2	1568.1	1432.3	1292.2	1148.7	1023.8	912.4	824.6	742.7	677.7	620.3
32.5°	1853.4	1697.3	1519.2	1335.2	1158.0	997.6	859.2	759.6	675.2	593.3	536.8
35°	1974.9	1772.4	1556.3	1339.4	1135.2	947.8	792.5	675.2	590.8	514.8	448.2
37.5°	2047.5	1805.3	1558.0	1309.0	1082.0	880.3	708.1	591.6	514.0	441.4	389.1
40°	2093.1	1812.9	1536.1	1265.1	1014.5	795.0	623.7	519.1	448.2	389.9	349.4
42.5°	2115.0	1801.1	1500.6	1209.4	946.1	719.1	564.6	465.9	404.3	362.9	332.5
45°	2118.4	1780.0	1462.6	1158.8	885.3	664.2	524.1	443.9	393.3	358.7	328.3
47.5°	2118.4	1761.4	1432.3	1121.7	845.7	640.6	520.7	453.2	403.4	364.6	328.3
50°	2120.1	1755.5	1419.6	1103.1	832.2	653.2	549.4	481.9	425.4	374.7	327.5
52.5°	2127.7	1763.1	1429.7	1117.4	856.7	703.9	603.5	525.0	454.1	386.5	327.5
55°	2144.6	1788.4	1472.8	1167.2	922.5	780.7	668.4	571.4	476.9	391.6	322.4
57.5°	2191.8	1852.6	1551.3	1263.5	1034.7	869.3	727.5	604.3	485.3	387.4	312.3
60°	2286.4	1980.0	1685.4	1398.5	1153.7	945.3	762.1	609.4	477.7	373.9	296.2
62.5°	2437.4	2126.0	1848.3	1545.3	1259.2	987.5	766.3	596.7	457.4	349.4	272.6
63°	2489.8	2162.3	1882.9	1573.2	1272.7	990.8	763.0	591.6	452.4	342.7	269.2
65°	2635.8	2315.1	2002.8	1671.1	1310.7	991.7	744.4	566.3	428.7	316.5	245.6
67.5°	2908.4	2515.9	2153.9	1747.9	1324.2	964.7	697.1	519.1	379.0	276.0	216.1
70°	3080.6	2628.2	2212.1	1749.6	1284.6	887.9	615.3	442.3	315.7	228.7	185.7
72.5°	3035.8	2517.6	2058.5	1591.8	1113.2	741.9	494.6	347.7	246.4	183.1	154.5
75°	2600.3	2095.6	1679.5	1233.1	841.5	545.2	362.1	248.1	182.3	143.5	129.1
77.5°	1872.0	1508.2	1204.4	878.6	567.2	352.8	240.5	177.2	138.4	118.2	106.3
80°	1192.6	884.5	736.8	528.3	331.7	218.6	165.4	134.2	113.9	98.7	91.2
82.5°	622.9	436.3	354.5	270.1	184.0	144.3	121.5	109.7	93.7	81.9	77.6
85°	388.2	257.4	190.7	133.4	92.0	82.7	76.0	74.3	66.7	59.1	56.5
87.5°	43.9	39.7	41.4	26.2	19.4	21.1	20.3	27.0	26.2	19.4	20.3
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	885.3	885.3	885.3	885.3	885.3	885.3	885.3	885.3	885.3	885.3	885.3
2.5°	879.4	881.1	881.1	883.7	883.7	885.3	887.0	887.0	888.7	889.6	891.3
5°	869.3	869.3	869.3	872.7	873.5	878.6	880.3	882.0	883.7	889.6	892.9
7.5°	866.8	863.4	865.1	865.1	867.6	871.8	876.1	878.6	881.1	888.7	893.8
10°	871.8	869.3	866.8	866.8	867.6	869.3	872.7	875.2	876.9	884.5	888.7
12.5°	885.3	879.4	874.4	870.2	866.8	865.9	864.2	865.1	866.8	871.0	876.9
15°	887.9	876.9	865.9	855.0	846.5	841.5	837.2	835.6	835.6	838.1	844.8
17.5°	871.0	852.4	836.4	822.0	812.8	803.5	799.3	795.9	794.2	797.6	798.4
20°	834.7	812.8	790.8	773.9	757.1	754.5	747.8	749.5	751.2	756.2	758.7
22.5°	784.9	758.7	731.7	714.0	700.5	688.7	681.1	684.5	687.0	692.1	694.6
25°	724.1	686.2	657.5	639.7	625.4	615.3	606.8	610.2	606.8	612.7	622.0
27.5°	652.4	607.7	577.3	557.0	546.9	538.5	530.0	530.0	538.5	538.5	546.1
30°	565.5	532.6	492.9	471.8	459.1	454.1	453.2	451.5	457.4	460.8	469.3
32.5°	483.6	443.1	405.1	384.9	373.9	368.0	368.8	369.7	372.2	377.3	390.8
35°	400.9	365.4	338.4	315.7	304.7	293.7	293.7	292.0	294.6	300.5	316.5
37.5°	347.7	316.5	295.4	277.7	266.7	259.9	254.0	251.5	251.5	254.0	259.9
40°	318.2	295.4	276.0	260.8	250.7	244.8	241.4	238.8	237.2	237.2	238.0
42.5°	304.7	281.0	261.6	248.1	240.5	237.2	236.3	235.5	232.9	232.1	231.3
45°	297.9	270.9	249.0	238.0	232.1	230.4	231.3	231.3	230.4	228.7	225.3
47.5°	292.9	261.6	239.7	229.6	227.0	227.0	227.0	227.0	226.2	225.3	222.8
50°	284.4	247.3	223.7	216.1	214.4	214.4	215.2	215.2	216.9	215.2	213.5
52.5°	275.1	233.8	210.2	203.4	202.6	201.7	201.7	201.7	202.6	202.6	201.7
55°	265.0	223.7	203.4	198.3	199.2	198.3	197.5	196.6	196.6	195.8	194.1
57.5°	254.9	215.2	198.3	195.0	195.8	195.8	194.1	192.4	191.6	189.1	187.4
60°	239.7	203.4	188.2	186.5	189.1	189.1	189.1	188.2	188.2	187.4	183.1
62.5°	219.4	186.5	174.7	175.6	176.4	178.1	178.1	178.1	178.1	176.4	172.2
63°	215.2	183.1	172.2	172.2	174.7	174.7	175.6	174.7	175.6	173.9	168.8
65°	198.3	172.2	163.7	164.6	166.3	166.3	166.3	165.4	165.4	162.9	160.4
67.5°	178.9	158.7	153.6	154.5	155.3	157.0	156.1	156.1	157.0	155.3	152.8
70°	157.0	144.3	140.9	141.8	142.6	142.6	141.8	141.8	142.6	140.9	138.4
72.5°	140.1	135.0	132.5	132.5	130.8	130.8	129.1	128.3	127.4	127.4	124.9
75°	118.2	117.3	118.2	119.8	118.2	116.5	115.6	113.1	111.4	111.4	110.6
77.5°	101.3	101.3	103.0	105.5	106.3	106.3	103.8	99.6	98.7	98.7	98.7
80°	87.8	86.1	86.1	88.6	91.2	90.3	86.1	81.9	81.9	86.1	86.9
82.5°	76.8	76.8	74.3	75.1	74.3	73.4	69.2	66.7	65.8	69.2	72.6
85°	60.8	61.6	60.8	59.9	59.1	56.5	53.2	50.6	49.8	53.2	58.2
87.5°	24.5	23.6	22.8	23.6	22.8	24.5	23.6	21.9	21.1	23.6	28.7
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°	885.3	885.3	885.3	885.3	885.3	885.3	885.3	885.3	885.3	885.3	885.3
2.5°	892.1	893.8	895.5	895.5	897.2	896.3	897.2	898.0	898.0	898.9	898.9
5°	897.2	899.7	903.1	906.4	907.3	909.8	912.4	910.7	913.2	916.6	916.6
7.5°	898.9	904.8	907.3	912.4	913.2	916.6	922.5	918.3	923.3	925.9	926.7
10°	896.3	902.2	906.4	912.4	914.9	920.8	926.7	925.0	930.9	935.1	936.0
12.5°	881.1	887.0	896.3	904.8	911.5	920.8	931.8	928.4	936.8	941.9	944.4
15°	851.6	857.5	867.6	881.1	893.8	908.1	922.5	925.0	933.5	939.4	941.9
17.5°	805.2	812.8	823.7	838.1	854.1	878.6	897.2	906.4	918.3	921.6	925.9
20°	762.1	769.7	776.5	784.9	796.7	820.4	844.8	863.4	878.6	891.3	894.6
22.5°	704.7	711.5	719.9	726.7	735.1	752.0	772.3	793.4	817.0	824.6	833.0
25°	635.5	639.7	651.6	655.8	661.7	676.0	692.1	707.3	730.1	746.1	750.3
27.5°	561.3	565.5	576.4	579.0	586.6	600.1	611.9	617.8	638.9	655.8	669.3
30°	475.2	486.1	499.6	501.3	509.8	518.2	529.2	535.1	554.5	572.2	589.1
32.5°	400.9	411.9	422.8	429.6	433.8	440.6	451.5	457.4	476.0	492.0	508.9
35°	324.9	338.4	350.3	359.5	362.9	371.4	379.8	385.7	405.1	419.5	431.3
37.5°	267.5	277.7	290.3	299.6	308.9	314.8	324.9	333.4	345.2	352.8	365.4
40°	239.7	244.8	251.5	259.1	266.7	273.5	281.0	287.8	295.4	305.5	314.0
42.5°	230.4	231.3	231.3	233.8	238.0	241.4	248.1	253.2	258.3	265.9	270.1
45°	223.7	222.8	221.1	219.4	220.3	222.0	226.2	229.6	235.5	238.8	239.7
47.5°	220.3	216.9	213.5	211.0	210.2	211.0	214.4	217.7	221.1	223.7	224.5
50°	209.3	206.8	201.7	198.3	196.6	198.3	202.6	204.2	207.6	210.2	211.0
52.5°	198.3	195.0	191.6	188.2	188.2	189.1	192.4	195.8	199.2	200.0	201.7
55°	191.6	186.5	183.1	180.6	178.9	181.5	184.0	188.2	192.4	193.3	195.0
57.5°	184.8	179.8	176.4	173.9	172.2	174.7	177.2	183.1	188.2	188.2	188.2
60°	180.6	176.4	171.3	168.8	166.3	168.8	172.2	178.1	183.1	182.3	181.5
62.5°	168.8	164.6	162.0	162.0	159.5	163.7	167.1	173.9	174.7	173.0	171.3
63°	165.4	162.0	160.4	160.4	158.7	162.9	166.3	172.2	172.2	170.5	168.8
65°	157.0	154.5	152.8	154.5	154.5	158.7	159.5	163.7	162.9	160.4	159.5
67.5°	150.2	148.5	146.9	146.9	146.9	147.7	148.5	150.2	149.4	148.5	149.4
70°	139.3	138.4	136.7	136.7	135.9	135.9	135.9	136.7	136.7	137.6	138.4
72.5°	125.8	124.1	124.1	124.9	123.2	124.1	124.9	124.1	125.8	125.8	126.6
75°	110.6	109.7	111.4	113.1	112.3	112.3	113.1	113.1	113.9	113.9	114.8
77.5°	98.7	99.6	100.4	102.1	103.0	103.0	103.0	102.1	103.0	103.0	103.8
80°	87.8	89.5	91.2	92.8	93.7	93.7	93.7	92.8	92.8	92.8	92.8
82.5°	79.3	81.9	83.6	84.4	84.4	84.4	84.4	84.4	84.4	82.7	81.0
85°	66.7	71.7	71.7	72.6	70.1	68.4	66.7	67.5	68.4	65.0	64.1
87.5°	33.8	33.8	35.4	37.1	38.0	38.0	43.0	40.5	39.7	38.8	37.1
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: P153508

CATALOG NUMBER: TLM-E03-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	885.3	885.3	885.3	885.3	885.3	885.3	885.3	885.3	885.3	885.3	885.3
2.5°	899.7	898.9	900.5	898.9	899.7	900.5	898.9	901.4	903.1	900.5	898.0
5°	918.3	918.3	922.5	924.2	925.0	930.1	927.5	929.2	930.9	930.1	930.9
7.5°	930.1	933.5	937.7	941.9	942.7	947.0	946.1	948.6	950.3	954.6	954.6
10°	940.2	944.4	950.3	954.6	958.8	962.1	963.8	968.9	969.7	973.1	973.1
12.5°	949.5	954.6	960.5	967.2	971.4	978.2	979.0	986.6	989.2	990.0	987.5
15°	947.8	953.7	960.5	968.1	975.7	984.1	989.2	996.8	1001.0	1002.7	998.4
17.5°	931.8	936.8	945.3	955.4	964.7	975.7	984.9	995.9	1002.7	1004.3	1003.5
20°	900.5	903.9	914.9	928.4	939.4	956.2	969.7	986.6	997.6	1006.0	1008.6
22.5°	838.9	847.4	858.3	873.5	889.6	910.7	930.1	954.6	978.2	998.4	1018.7
25°	764.7	779.8	796.7	817.0	836.4	858.3	880.3	908.1	942.7	984.9	1033.0
27.5°	689.5	715.7	736.8	763.0	785.8	807.7	832.2	862.6	900.5	951.2	1012.8
30°	613.6	643.1	665.9	696.3	726.7	756.2	780.7	812.8	849.9	901.4	968.9
32.5°	532.6	562.1	589.1	617.0	650.7	686.2	715.7	755.4	795.0	848.2	916.6
35°	449.0	475.2	498.0	527.5	564.6	602.6	641.4	687.0	730.1	785.8	858.3
37.5°	376.4	395.0	416.9	443.1	471.8	512.3	556.2	610.2	659.2	719.9	794.2
40°	316.5	326.6	339.3	361.2	387.4	427.1	470.1	527.5	586.6	653.2	725.0
42.5°	270.1	275.1	278.5	292.9	314.0	352.8	394.1	449.8	514.8	587.4	660.0
45°	239.7	242.2	243.1	250.7	265.9	299.6	342.7	389.9	452.4	523.3	599.2
47.5°	225.3	227.9	229.6	231.3	240.5	266.7	305.5	350.3	407.6	472.6	550.3
50°	213.5	216.1	218.6	217.7	222.0	238.8	271.8	313.1	367.1	427.1	503.9
52.5°	201.7	203.4	203.4	203.4	205.9	216.9	240.5	278.5	328.3	384.9	460.8
55°	195.0	196.6	197.5	198.3	199.2	205.1	222.8	253.2	296.2	348.6	416.9
57.5°	188.2	189.1	190.7	191.6	193.3	196.6	207.6	229.6	265.9	309.7	367.1
60°	182.3	184.0	187.4	188.2	189.9	190.7	195.8	209.3	232.9	266.7	313.1
62.5°	173.0	175.6	178.9	179.8	181.5	182.3	183.1	190.7	201.7	222.0	256.6
63°	170.5	173.0	177.2	178.1	178.9	178.9	179.8	184.8	195.0	212.7	238.0
65°	161.2	164.6	167.1	168.0	168.8	168.8	168.0	169.6	170.5	178.1	193.3
67.5°	151.1	153.6	155.3	156.1	155.3	156.1	155.3	153.6	151.9	153.6	160.4
70°	140.9	142.6	142.6	143.5	144.3	145.2	143.5	141.8	140.1	139.3	143.5
72.5°	129.1	130.8	130.8	131.7	131.7	133.4	133.4	132.5	132.5	133.4	134.2
75°	117.3	119.0	118.2	119.8	119.8	122.4	122.4	123.2	124.9	124.1	123.2
77.5°	106.3	107.2	107.2	108.0	108.9	113.1	115.6	116.5	116.5	114.8	113.1
80°	94.5	94.5	92.8	92.0	92.8	97.1	102.1	103.0	105.5	104.7	105.5
82.5°	79.3	76.0	73.4	73.4	75.1	77.6	79.3	81.0	82.7	82.7	84.4
85°	60.8	57.4	54.9	55.7	58.2	59.1	58.2	58.2	61.6	64.1	61.6
87.5°	36.3	32.9	31.2	28.7	29.5	32.1	31.2	28.7	29.5	23.6	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



TEST NUMBER: P153508

CATALOG NUMBER: TLM-E03-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	885.3	885.3	885.3	885.3	885.3	885.3	885.3	885.3	885.3	885.3	885.3
2.5°	899.7	898.9	897.2	894.6	893.8	892.1	892.9	890.4	888.7	887.0	884.5
5°	930.9	930.9	925.9	925.9	923.3	922.5	916.6	914.0	909.0	910.7	904.8
7.5°	952.9	955.4	949.5	948.6	945.3	944.4	936.8	934.3	930.1	928.4	923.3
10°	968.9	968.9	961.3	955.4	951.2	947.0	939.4	936.0	932.6	933.5	930.1
12.5°	981.6	975.7	964.7	956.2	950.3	946.1	940.2	937.7	936.8	942.7	943.6
15°	991.7	983.2	969.7	963.8	958.8	957.9	957.9	960.5	966.4	977.3	985.8
17.5°	997.6	992.5	985.8	984.1	992.5	997.6	1004.3	1011.9	1020.4	1035.6	1044.9
20°	1008.6	1011.9	1017.0	1023.8	1037.3	1049.9	1058.4	1069.3	1079.5	1098.0	1113.2
22.5°	1037.3	1056.7	1072.7	1086.2	1106.5	1124.2	1135.2	1150.4	1158.0	1170.6	1194.2
25°	1074.4	1114.1	1147.8	1176.5	1207.8	1226.3	1241.5	1260.9	1272.7	1293.8	1314.9
27.5°	1063.4	1120.0	1170.6	1223.8	1266.8	1314.9	1348.7	1380.8	1401.0	1432.3	1460.1
30°	1029.7	1097.2	1165.6	1235.6	1304.0	1373.2	1437.3	1495.6	1540.3	1585.0	1630.6
32.5°	984.1	1061.7	1145.3	1231.4	1320.8	1417.1	1505.7	1593.5	1667.7	1732.7	1796.0
35°	931.8	1019.5	1106.5	1212.8	1323.4	1445.8	1569.0	1690.5	1803.6	1918.4	1996.0
37.5°	869.3	958.8	1055.8	1178.2	1308.2	1459.3	1616.2	1774.9	1935.3	2089.7	2223.9
40°	802.6	893.8	995.9	1128.4	1275.3	1450.8	1646.6	1860.2	2080.4	2304.1	2482.2
42.5°	743.6	837.2	948.6	1082.8	1242.4	1439.8	1671.1	1933.6	2202.8	2479.6	2741.3
45°	686.2	789.1	906.4	1050.8	1228.0	1448.3	1707.4	2001.9	2312.5	2648.4	2967.5
47.5°	634.7	739.3	853.3	1011.1	1206.9	1452.5	1742.8	2070.3	2416.3	2780.1	3159.1
50°	588.3	689.5	801.8	960.5	1174.0	1450.0	1774.9	2131.9	2505.8	2883.9	3306.8
52.5°	542.7	645.7	760.4	911.5	1133.5	1435.6	1790.1	2182.6	2588.5	2988.6	3425.8
55°	498.0	599.2	714.9	865.1	1080.3	1398.5	1788.4	2215.5	2654.4	3087.3	3540.5
57.5°	445.6	541.8	654.9	813.6	1023.8	1341.1	1763.1	2230.7	2710.9	3185.2	3678.1
60°	380.6	470.9	579.8	738.5	949.5	1267.7	1709.9	2222.2	2743.8	3257.8	3795.4
62.5°	300.5	379.0	478.5	633.8	856.7	1162.2	1610.3	2145.4	2691.5	3247.7	3850.3
63°	283.6	357.9	454.9	608.5	817.0	1133.5	1580.8	2115.0	2666.2	3226.6	3842.7
65°	227.9	276.0	353.6	491.2	683.6	992.5	1433.9	1958.9	2530.3	3078.0	3733.0
67.5°	174.7	199.2	240.5	336.8	483.6	780.7	1161.3	1660.1	2196.1	2710.9	3379.3
70°	149.4	160.4	178.1	223.7	307.2	492.9	815.3	1238.1	1702.3	2148.8	2749.7
72.5°	135.9	140.9	150.2	169.6	211.0	295.4	519.9	806.0	1158.0	1531.8	1996.0
75°	124.9	129.1	136.7	146.9	162.0	196.6	296.2	492.9	752.8	1006.0	1347.0
77.5°	113.9	116.5	124.9	134.2	144.3	162.0	195.8	283.6	433.0	593.3	811.9
80°	104.7	103.0	108.9	124.1	134.2	144.3	154.5	184.0	246.4	324.9	438.9
82.5°	83.6	85.2	90.3	105.5	109.7	107.2	108.9	113.9	137.6	150.2	224.5
85°	56.5	52.3	51.5	53.2	53.2	50.6	50.6	49.8	54.9	62.5	107.2
87.5°	15.2	7.6	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: P153508

CATALOG NUMBER: TLM-E03-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	885.3	885.3	885.3	885.3	885.3	885.3	885.3	885.3	885.3	885.3	885.3
2.5°	882.8	882.0	882.8	878.6	878.6	877.8	876.9	875.2	875.2	871.8	874.4
5°	899.7	898.0	894.6	889.6	887.0	883.7	883.7	880.3	877.8	874.4	875.2
7.5°	919.1	920.0	914.0	909.8	908.1	904.8	905.6	900.5	901.4	898.9	897.2
10°	930.1	930.1	931.8	930.9	932.6	932.6	935.1	931.8	930.1	927.5	927.5
12.5°	947.8	951.2	957.9	957.9	963.0	964.7	965.5	967.2	963.8	962.1	956.2
15°	991.7	1000.1	1006.0	1014.5	1024.6	1028.0	1028.0	1024.6	1022.9	1020.4	1009.4
17.5°	1064.3	1082.8	1087.9	1101.4	1103.1	1107.3	1119.1	1112.4	1108.2	1090.4	1087.1
20°	1138.5	1162.2	1185.8	1202.7	1211.1	1228.0	1230.5	1227.2	1210.3	1193.4	1185.8
22.5°	1228.0	1263.5	1290.5	1316.6	1329.3	1337.7	1356.3	1352.1	1338.6	1313.2	1303.1
25°	1354.6	1398.5	1427.2	1459.3	1476.1	1484.6	1503.1	1503.1	1488.8	1481.2	1480.4
27.5°	1514.1	1568.1	1615.4	1626.4	1670.3	1680.4	1698.1	1698.1	1684.6	1675.3	1720.1
30°	1691.4	1747.9	1829.8	1884.6	1937.8	1990.1	1989.3	1992.7	2008.7	2017.1	2036.6
32.5°	1868.6	1938.6	2025.6	2144.6	2258.5	2355.6	2481.3	2561.5	2537.0	2468.7	2441.7
35°	2083.8	2161.5	2267.0	2386.8	2595.3	2721.0	2781.8	2824.8	2829.9	2839.2	2858.6
37.5°	2323.5	2453.5	2575.9	2711.7	2827.4	2980.1	3121.1	3234.2	3260.3	3313.5	3283.1
40°	2626.5	2771.7	2900.0	3075.5	3230.8	3414.8	3616.5	3771.8	3834.3	3814.0	3662.1
42.5°	2943.8	3123.6	3273.8	3480.6	3682.3	3925.4	4133.9	4350.8	4389.6	4233.5	4006.4
45°	3235.9	3458.7	3645.2	3860.4	4106.9	4398.0	4676.6	4899.4	4891.8	4624.2	4320.4
47.5°	3498.3	3771.8	3999.7	4279.9	4544.9	4891.8	5211.6	5376.2	5279.2	4962.7	4590.5
50°	3715.2	4056.2	4337.3	4620.9	4957.6	5375.4	5683.4	5776.3	5588.9	5244.6	4852.9
52.5°	3890.0	4317.9	4633.5	4960.1	5385.5	5825.2	6090.2	6055.6	5813.4	5459.8	5069.9
55°	4037.7	4517.9	4894.3	5280.0	5807.5	6212.6	6389.0	6296.2	5957.7	5599.0	5218.4
57.5°	4190.4	4712.0	5134.0	5581.3	6168.7	6516.5	6614.4	6423.6	6026.1	5652.2	5282.5
60°	4343.2	4874.0	5345.8	5844.6	6442.2	6764.6	6737.6	6452.3	6005.8	5613.4	5239.5
62.5°	4446.1	4970.3	5469.1	6006.7	6647.3	6891.2	6725.8	6350.2	5888.5	5460.6	5111.2
63°	4448.7	4973.6	5476.7	6017.7	6670.1	6895.4	6703.0	6313.9	5851.4	5429.4	5073.2
65°	4395.5	4910.3	5409.1	5967.9	6650.6	6798.3	6506.3	6099.5	5639.5	5213.3	4875.7
67.5°	4123.7	4648.7	5089.3	5615.9	6302.9	6345.1	5979.7	5651.4	5237.8	4796.4	4443.6
70°	3576.0	4012.3	4444.5	4884.2	5460.6	5453.0	5109.5	4942.4	4580.3	4077.3	3794.6
72.5°	2844.2	3235.9	3539.7	3834.3	4214.0	4137.2	3916.1	3962.5	3727.9	3352.3	3184.4
75°	2111.7	2542.1	2690.6	2810.5	2970.8	2971.7	3032.5	3164.1	3160.7	2952.3	2740.4
77.5°	1385.0	1855.9	1905.7	2001.9	2194.4	2456.0	2726.1	3016.4	3089.0	2924.4	2611.3
80°	772.3	1261.8	1204.4	1287.1	1494.7	1850.0	2248.4	2569.1	2758.2	2666.2	2334.5
82.5°	395.0	727.5	695.4	810.2	978.2	1287.1	1550.4	1796.9	2019.7	2007.0	1881.3
85°	205.1	398.4	453.2	513.1	597.5	708.1	807.7	879.4	972.3	1136.0	1191.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.0	60.8	43.9	120.7	172.2
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: P153508

CATALOG NUMBER: TLM-E03-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	885.3	885.3	885.3	885.3	885.3	885.3	885.3
2.5°	875.2	876.1	874.4	874.4	875.2	875.2	873.5
5°	873.5	873.5	871.8	870.2	868.5	868.5	866.8
7.5°	892.9	892.9	887.0	884.5	880.3	876.9	875.2
10°	921.6	916.6	909.8	904.8	898.0	890.4	886.2
12.5°	950.3	942.7	934.3	926.7	918.3	909.8	905.6
15°	997.6	987.5	976.5	967.2	955.4	942.7	937.7
17.5°	1070.2	1054.1	1039.8	1026.3	1005.2	995.9	985.8
20°	1166.4	1142.8	1124.2	1101.4	1075.2	1066.8	1054.1
22.5°	1282.9	1262.6	1225.5	1208.6	1182.4	1169.8	1172.3
25°	1460.1	1433.9	1390.9	1374.9	1372.3	1344.5	1331.0
27.5°	1691.4	1693.0	1653.4	1610.3	1586.7	1542.8	1487.1
30°	2020.5	1997.7	1951.3	1907.4	1851.7	1769.0	1676.2
32.5°	2418.9	2368.2	2291.4	2209.6	2110.8	1983.4	1853.4
35°	2808.0	2719.3	2597.0	2460.2	2317.6	2158.9	1974.9
37.5°	3149.8	3012.2	2829.1	2672.1	2470.4	2272.0	2047.5
40°	3462.1	3291.6	3055.2	2851.8	2613.8	2359.0	2093.1
42.5°	3764.2	3548.1	3258.6	2983.5	2714.3	2417.2	2115.0
45°	4052.0	3773.5	3430.0	3102.5	2787.7	2455.2	2118.4
47.5°	4273.1	3969.3	3583.6	3188.6	2838.3	2483.9	2118.4
50°	4478.2	4134.7	3700.9	3256.1	2885.6	2503.3	2120.1
52.5°	4637.7	4251.2	3776.9	3304.2	2922.7	2517.6	2127.7
55°	4753.4	4327.1	3827.5	3333.8	2949.7	2537.9	2144.6
57.5°	4834.4	4376.9	3855.4	3359.9	2982.7	2573.3	2191.8
60°	4873.2	4468.9	3901.8	3412.3	3039.2	2648.4	2286.4
62.5°	4843.7	4611.6	4034.3	3500.9	3117.7	2765.8	2437.4
63°	4831.0	4637.7	4070.6	3520.3	3135.4	2791.1	2489.8
65°	4732.3	4663.9	4220.0	3618.2	3219.8	2903.3	2635.8
67.5°	4425.9	4560.9	4345.7	3783.6	3401.3	3175.9	2908.4
70°	4029.2	4408.2	4322.9	3804.7	3516.9	3399.6	3080.6
72.5°	3554.0	3946.5	3867.2	3523.7	3389.5	3402.1	3035.8
75°	2797.0	3091.5	3039.2	2918.5	2945.5	3038.4	2600.3
77.5°	2240.8	2201.1	2080.4	2088.9	2245.0	2353.9	1872.0
80°	1830.6	1482.0	1325.1	1329.3	1601.9	1715.0	1192.6
82.5°	1742.0	1401.9	1141.9	997.6	1165.6	1122.5	622.9
85°	1240.7	1243.2	1031.4	838.1	811.9	690.4	388.2
87.5°	293.7	235.5	168.0	124.9	131.7	86.9	43.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)