

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: P153531

Luminaire Tested: **TLM-E05-LED-E1-SLR-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P153531
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-E05-LED-E1-SLR-7050
Description: TALON MEDIUM LED SITE LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (105) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

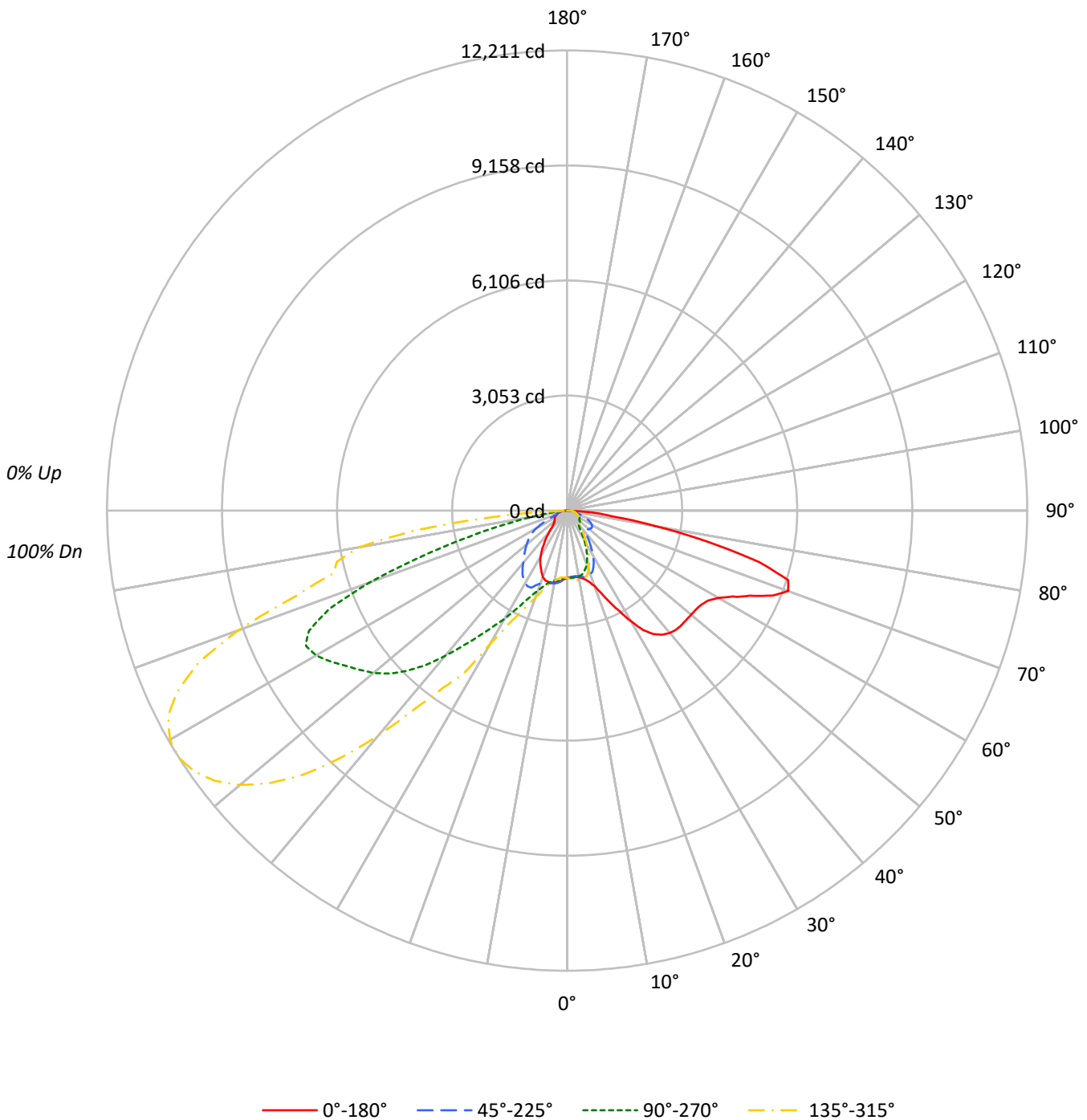
Lumens per Lamp: N/A
Luminaire Lumens: 14275.5 lumens
Efficiency: N/A
Efficacy: 112.1 lumens/watt
Spacing Criteria (0/90/45): 1.93 / 2.48 / 2.48
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
CIE Type: Direct

Input Watts (W): 127.3
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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	105	99	93	88	102	97	91	87	92	88	84	88	85	81	84	82	79	77					77			
2	93	82	73	66	90	80	72	65	76	70	64	73	67	62	70	65	61	58					58			
3	82	69	59	51	80	68	58	50	64	56	49	61	54	48	59	53	47	45					45			
4	74	59	48	40	71	58	48	40	55	46	39	52	45	39	50	44	38	35					35			
5	67	51	41	33	64	50	40	32	48	39	32	46	38	32	44	37	31	29					29			
6	61	45	35	27	59	44	34	27	42	33	27	40	32	26	39	32	26	24					24			
7	56	40	30	23	54	39	30	23	38	29	23	36	28	22	35	27	22	20					20			
8	52	36	26	20	50	35	26	20	34	25	19	33	25	19	31	24	19	17					17			
9	48	33	23	17	46	32	23	17	31	23	17	30	22	17	29	22	17	15					15			
10	45	30	21	15	43	29	21	15	28	20	15	27	20	15	26	20	15	13					13			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	23266	23266	23266	23266
5°	22865	23265	24378	23866
10°	23647	23355	25471	24818
15°	25510	22732	26337	26819
20°	29479	20958	25962	31131
25°	38591	17693	23689	38127
30°	50860	13700	21128	49478
35°	63355	9368	16923	64033
40°	71800	8194	12392	85147
45°	78726	8594	9315	110280
50°	86674	8799	8901	135186
55°	98254	9010	9087	162209
60°	120164	9892	9892	199475
65°	163892	10286	10443	232114
70°	236685	10894	11023	211269
75°	264017	11484	12166	136761
80°	180472	12390	13921	66416
85°	117059	15267	16799	32319



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.6	1.2
10°-20°	543.9	3.8
20°-30°	966.2	6.8
30°-40°	1521.6	10.7
40°-50°	2239.3	15.7
50°-60°	2974.4	20.8
60°-70°	3276.3	23.0
70°-80°	2055.6	14.4
80°-90°	523.5	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°	1684.8	11.8
0°-40°	3206.3	22.5
0°-60°	8420.0	59.0
0°-90°	14275.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14275.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1794	1794	1794	1794	1794	
5°	1756	1787	1873	1833	1756	169
15°	1900	1693	1962	1998	1900	550
25°	2697	1236	1656	2664	2697	1273
35°	4002	592	1069	4045	4002	2480
45°	4292	469	508	6013	4292	3319
55°	4346	398	402	7174	4346	3942
65°	5341	335	340	7564	5341	5377
75°	5269	229	243	2729	5269	5153
85°	787	103	113	217	787	909
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°	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0
2.5°	1770.0	1775.2	1773.5	1773.5	1776.9	1775.2	1775.2	1776.9	1776.9	1782.0	1788.8
5°	1756.4	1754.6	1751.2	1754.6	1754.6	1754.6	1747.8	1752.9	1754.6	1758.1	1758.1
7.5°	1773.5	1768.3	1761.5	1763.2	1763.2	1759.8	1754.6	1756.4	1754.6	1754.6	1752.9
10°	1795.7	1783.7	1775.2	1775.2	1775.2	1771.7	1763.2	1768.3	1768.3	1766.6	1768.3
12.5°	1835.0	1821.3	1811.1	1807.7	1807.7	1802.5	1795.7	1802.5	1799.1	1799.1	1795.7
15°	1900.0	1884.6	1872.6	1862.4	1864.1	1864.1	1855.5	1850.4	1843.6	1835.0	1817.9
17.5°	1997.5	1980.4	1965.0	1956.4	1958.2	1946.2	1922.2	1898.3	1865.8	1833.3	1797.4
20°	2136.0	2130.9	2110.4	2101.8	2081.3	2052.2	1985.5	1929.1	1865.8	1804.2	1742.7
22.5°	2375.4	2351.5	2331.0	2298.5	2230.1	2149.7	2038.5	1939.3	1840.1	1752.9	1670.8
25°	2696.9	2654.2	2553.3	2454.1	2313.9	2170.2	2019.7	1891.5	1768.3	1653.7	1552.8
27.5°	3013.3	2883.4	2703.8	2524.2	2319.0	2130.9	1942.8	1790.6	1646.9	1522.1	1410.9
30°	3396.4	3177.5	2902.2	2618.3	2327.5	2074.4	1848.7	1670.8	1505.0	1373.3	1257.0
32.5°	3755.5	3439.2	3078.3	2705.5	2346.4	2021.4	1741.0	1539.2	1368.1	1202.3	1087.7
35°	4001.8	3591.4	3153.6	2714.0	2300.2	1920.5	1605.9	1368.1	1197.1	1043.2	908.1
37.5°	4148.9	3658.1	3157.0	2652.5	2192.4	1783.7	1434.8	1198.8	1041.5	894.4	788.4
40°	4241.2	3673.5	3112.5	2563.6	2055.6	1611.0	1263.8	1051.8	908.1	790.1	708.0
42.5°	4285.7	3649.5	3040.7	2450.7	1917.1	1457.1	1144.1	944.0	819.2	735.4	673.8
45°	4292.5	3606.8	2963.7	2348.1	1794.0	1345.9	1062.0	899.6	796.9	726.8	665.3
47.5°	4292.5	3569.1	2902.2	2272.8	1713.6	1298.0	1055.2	918.4	817.5	738.8	665.3
50°	4296.0	3557.2	2876.5	2235.2	1686.2	1323.7	1113.3	976.5	861.9	759.3	663.5
52.5°	4311.4	3572.6	2897.0	2264.3	1735.8	1426.3	1222.8	1063.7	920.1	783.3	663.5
55°	4345.6	3623.9	2984.3	2365.2	1869.2	1581.9	1354.5	1157.8	966.2	793.5	653.3
57.5°	4441.3	3753.8	3143.3	2560.1	2096.7	1761.5	1474.2	1224.5	983.4	785.0	632.8
60°	4632.9	4012.1	3415.2	2833.8	2337.8	1915.4	1544.3	1234.7	968.0	757.6	600.3
62.5°	4939.0	4307.9	3745.3	3131.3	2551.6	2000.9	1552.8	1209.1	926.9	708.0	552.4
63°	5045.0	4381.5	3815.4	3187.8	2578.9	2007.7	1546.0	1198.8	916.7	694.3	545.5
65°	5340.9	4691.0	4058.2	3386.1	2655.9	2009.5	1508.4	1147.5	868.8	641.3	497.7
67.5°	5893.3	5098.0	4364.4	3541.8	2683.3	1954.7	1412.6	1051.8	767.9	559.2	437.8
70°	6242.1	5325.5	4482.4	3545.2	2602.9	1799.1	1246.7	896.1	639.6	463.5	376.2
72.5°	6151.5	5101.5	4171.1	3225.4	2255.7	1503.2	1002.2	704.6	499.4	371.1	313.0
75°	5269.1	4246.4	3403.2	2498.6	1705.0	1104.8	733.7	502.8	369.4	290.7	261.7
77.5°	3793.2	3056.1	2440.4	1780.3	1149.2	714.9	487.4	359.1	280.5	239.4	215.5
80°	2416.5	1792.3	1493.0	1070.6	672.1	442.9	335.2	271.9	230.9	200.1	184.7
82.5°	1262.1	884.2	718.3	547.3	372.8	292.4	246.3	222.3	189.8	165.9	157.3
85°	786.7	521.6	386.5	270.2	186.4	167.6	153.9	150.5	135.1	119.7	114.6
87.5°	88.9	80.4	83.8	53.0	39.3	42.8	41.0	54.7	53.0	39.3	41.0
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°	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0
2.5°	1782.0	1785.4	1785.4	1790.6	1790.6	1794.0	1797.4	1797.4	1800.8	1802.5	1805.9
5°	1761.5	1761.5	1761.5	1768.3	1770.0	1780.3	1783.7	1787.1	1790.6	1802.5	1809.4
7.5°	1756.4	1749.5	1752.9	1752.9	1758.1	1766.6	1775.2	1780.3	1785.4	1800.8	1811.1
10°	1766.6	1761.5	1756.4	1756.4	1758.1	1761.5	1768.3	1773.5	1776.9	1792.3	1800.8
12.5°	1794.0	1782.0	1771.7	1763.2	1756.4	1754.6	1751.2	1752.9	1756.4	1764.9	1776.9
15°	1799.1	1776.9	1754.6	1732.4	1715.3	1705.0	1696.5	1693.1	1693.1	1698.2	1711.9
17.5°	1764.9	1727.3	1694.8	1665.7	1646.9	1628.1	1619.5	1612.7	1609.3	1616.1	1617.8
20°	1691.4	1646.9	1602.4	1568.2	1534.0	1528.9	1515.2	1518.6	1522.1	1532.3	1537.4
22.5°	1590.5	1537.4	1482.7	1446.8	1419.4	1395.5	1380.1	1387.0	1392.1	1402.3	1407.5
25°	1467.3	1390.4	1332.2	1296.3	1267.2	1246.7	1229.6	1236.5	1229.6	1241.6	1260.4
27.5°	1322.0	1231.3	1169.8	1128.7	1108.2	1091.1	1074.0	1074.0	1091.1	1091.1	1106.5
30°	1145.8	1079.1	998.7	956.0	930.3	920.1	918.4	914.9	926.9	933.8	950.9
32.5°	979.9	897.8	820.9	779.8	757.6	745.6	747.3	749.1	754.2	764.4	791.8
35°	812.3	740.5	685.8	639.6	617.4	595.1	595.1	591.7	596.9	608.8	641.3
37.5°	704.6	641.3	598.6	562.6	540.4	526.7	514.8	509.6	509.6	514.8	526.7
40°	644.7	598.6	559.2	528.4	507.9	496.0	489.1	484.0	480.6	480.6	482.3
42.5°	617.4	569.5	530.2	502.8	487.4	480.6	478.8	477.1	472.0	470.3	468.6
45°	603.7	549.0	504.5	482.3	470.3	466.9	468.6	468.6	466.9	463.5	456.6
47.5°	593.4	530.2	485.7	465.2	460.0	460.0	460.0	460.0	458.3	456.6	451.5
50°	576.3	501.1	453.2	437.8	434.4	434.4	436.1	436.1	439.5	436.1	432.7
52.5°	557.5	473.7	425.8	412.2	410.4	408.7	408.7	408.7	410.4	410.4	408.7
55°	537.0	453.2	412.2	401.9	403.6	401.9	400.2	398.5	398.5	396.8	393.3
57.5°	516.5	436.1	401.9	395.1	396.8	396.8	393.3	389.9	388.2	383.1	379.7
60°	485.7	412.2	381.4	377.9	383.1	383.1	383.1	381.4	381.4	379.7	371.1
62.5°	444.6	377.9	354.0	355.7	357.4	360.8	360.8	360.8	360.8	357.4	348.9
63°	436.1	371.1	348.9	348.9	354.0	354.0	355.7	354.0	355.7	352.3	342.0
65°	401.9	348.9	331.8	333.5	336.9	336.9	336.9	335.2	335.2	330.1	324.9
67.5°	362.6	321.5	311.3	313.0	314.7	318.1	316.4	316.4	318.1	314.7	309.5
70°	318.1	292.4	285.6	287.3	289.0	289.0	287.3	287.3	289.0	285.6	280.5
72.5°	283.9	273.6	268.5	268.5	265.1	265.1	261.7	259.9	258.2	258.2	253.1
75°	239.4	237.7	239.4	242.8	239.4	236.0	234.3	229.2	225.7	225.7	224.0
77.5°	205.2	205.2	208.6	213.8	215.5	215.5	210.4	201.8	200.1	200.1	200.1
80°	177.9	174.4	174.4	179.6	184.7	183.0	174.4	165.9	165.9	174.4	176.1
82.5°	155.6	155.6	150.5	152.2	150.5	148.8	140.2	135.1	133.4	140.2	147.1
85°	123.1	124.8	123.1	121.4	119.7	114.6	107.7	102.6	100.9	107.7	118.0
87.5°	49.6	47.9	46.2	47.9	46.2	49.6	47.9	44.5	42.8	47.9	58.1
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°	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0
2.5°	1807.7	1811.1	1814.5	1814.5	1817.9	1816.2	1817.9	1819.6	1819.6	1821.3	1821.3
5°	1817.9	1823.0	1829.9	1836.7	1838.4	1843.6	1848.7	1845.3	1850.4	1857.3	1857.3
7.5°	1821.3	1833.3	1838.4	1848.7	1850.4	1857.3	1869.2	1860.7	1870.9	1876.1	1877.8
10°	1816.2	1828.2	1836.7	1848.7	1853.8	1865.8	1877.8	1874.4	1886.3	1894.9	1896.6
12.5°	1785.4	1797.4	1816.2	1833.3	1847.0	1865.8	1888.0	1881.2	1898.3	1908.6	1913.7
15°	1725.6	1737.5	1758.1	1785.4	1811.1	1840.1	1869.2	1874.4	1891.5	1903.4	1908.6
17.5°	1631.5	1646.9	1669.1	1698.2	1730.7	1780.3	1817.9	1836.7	1860.7	1867.5	1876.1
20°	1544.3	1559.7	1573.4	1590.5	1614.4	1662.3	1711.9	1749.5	1780.3	1805.9	1812.8
22.5°	1428.0	1441.7	1458.8	1472.5	1489.6	1523.8	1564.8	1607.6	1655.5	1670.8	1687.9
25°	1287.8	1296.3	1320.3	1328.8	1340.8	1369.9	1402.3	1433.1	1479.3	1511.8	1520.3
27.5°	1137.3	1145.8	1168.1	1173.2	1188.6	1215.9	1239.9	1251.8	1294.6	1328.8	1356.2
30°	962.8	985.1	1012.4	1015.8	1032.9	1050.0	1072.3	1084.3	1123.6	1159.5	1193.7
32.5°	812.3	834.6	856.8	870.5	879.0	892.7	914.9	926.9	964.5	997.0	1031.2
35°	658.4	685.8	709.7	728.5	735.4	752.5	769.6	781.6	820.9	850.0	873.9
37.5°	542.1	562.6	588.3	607.1	625.9	637.9	658.4	675.5	699.5	714.9	740.5
40°	485.7	496.0	509.6	525.0	540.4	554.1	569.5	583.2	598.6	619.1	636.2
42.5°	466.9	468.6	468.6	473.7	482.3	489.1	502.8	513.1	523.3	538.7	547.3
45°	453.2	451.5	448.1	444.6	446.4	449.8	458.3	465.2	477.1	484.0	485.7
47.5°	446.4	439.5	432.7	427.5	425.8	427.5	434.4	441.2	448.1	453.2	454.9
50°	424.1	419.0	408.7	401.9	398.5	401.9	410.4	413.9	420.7	425.8	427.5
52.5°	401.9	395.1	388.2	381.4	381.4	383.1	389.9	396.8	403.6	405.3	408.7
55°	388.2	377.9	371.1	366.0	362.6	367.7	372.8	381.4	389.9	391.6	395.1
57.5°	374.5	364.3	357.4	352.3	348.9	354.0	359.1	371.1	381.4	381.4	381.4
60°	366.0	357.4	347.2	342.0	336.9	342.0	348.9	360.8	371.1	369.4	367.7
62.5°	342.0	333.5	328.4	328.4	323.2	331.8	338.6	352.3	354.0	350.6	347.2
63°	335.2	328.4	324.9	324.9	321.5	330.1	336.9	348.9	348.9	345.5	342.0
65°	318.1	313.0	309.5	313.0	313.0	321.5	323.2	331.8	330.1	324.9	323.2
67.5°	304.4	301.0	297.6	297.6	297.6	299.3	301.0	304.4	302.7	301.0	302.7
70°	282.2	280.5	277.0	277.0	275.3	275.3	275.3	277.0	277.0	278.8	280.5
72.5°	254.8	251.4	251.4	253.1	249.7	251.4	253.1	251.4	254.8	254.8	256.5
75°	224.0	222.3	225.7	229.2	227.5	227.5	229.2	229.2	230.9	230.9	232.6
77.5°	200.1	201.8	203.5	206.9	208.6	208.6	208.6	206.9	208.6	208.6	210.4
80°	177.9	181.3	184.7	188.1	189.8	189.8	189.8	188.1	188.1	188.1	188.1
82.5°	160.8	165.9	169.3	171.0	171.0	171.0	171.0	171.0	171.0	167.6	164.2
85°	135.1	145.4	145.4	147.1	141.9	138.5	135.1	136.8	138.5	131.7	130.0
87.5°	68.4	68.4	71.8	75.2	77.0	77.0	87.2	82.1	80.4	78.7	75.2
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: P153531

CATALOG NUMBER: TLM-E05-LED-E1-SLR-7050

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0
2.5°	1823.0	1821.3	1824.8	1821.3	1823.0	1824.8	1821.3	1826.5	1829.9	1824.8	1819.6
5°	1860.7	1860.7	1869.2	1872.6	1874.4	1884.6	1879.5	1882.9	1886.3	1884.6	1886.3
7.5°	1884.6	1891.5	1900.0	1908.6	1910.3	1918.8	1917.1	1922.2	1925.7	1934.2	1934.2
10°	1905.1	1913.7	1925.7	1934.2	1942.8	1949.6	1953.0	1963.3	1965.0	1971.8	1971.8
12.5°	1923.9	1934.2	1946.2	1959.9	1968.4	1982.1	1983.8	1999.2	2004.3	2006.0	2000.9
15°	1920.5	1932.5	1946.2	1961.6	1977.0	1994.1	2004.3	2019.7	2028.3	2031.7	2023.1
17.5°	1888.0	1898.3	1915.4	1935.9	1954.7	1977.0	1995.8	2018.0	2031.7	2035.1	2033.4
20°	1824.8	1831.6	1853.8	1881.2	1903.4	1937.6	1965.0	1999.2	2021.4	2038.5	2043.7
22.5°	1699.9	1717.0	1739.2	1770.0	1802.5	1845.3	1884.6	1934.2	1982.1	2023.1	2064.2
25°	1549.4	1580.2	1614.4	1655.5	1694.8	1739.2	1783.7	1840.1	1910.3	1995.8	2093.3
27.5°	1397.2	1450.2	1493.0	1546.0	1592.2	1636.6	1686.2	1747.8	1824.8	1927.4	2052.2
30°	1243.3	1303.2	1349.3	1410.9	1472.5	1532.3	1581.9	1646.9	1722.1	1826.5	1963.3
32.5°	1079.1	1139.0	1193.7	1250.1	1318.5	1390.4	1450.2	1530.6	1611.0	1718.7	1857.3
35°	909.8	962.8	1009.0	1068.9	1144.1	1221.1	1299.7	1392.1	1479.3	1592.2	1739.2
37.5°	762.7	800.4	844.8	897.8	956.0	1038.1	1127.0	1236.5	1335.6	1458.8	1609.3
40°	641.3	661.8	687.5	732.0	785.0	865.3	952.6	1068.9	1188.6	1323.7	1469.0
42.5°	547.3	557.5	564.4	593.4	636.2	714.9	798.7	911.5	1043.2	1190.3	1337.4
45°	485.7	490.8	492.5	507.9	538.7	607.1	694.3	790.1	916.7	1060.3	1214.2
47.5°	456.6	461.7	465.2	468.6	487.4	540.4	619.1	709.7	826.0	957.7	1115.0
50°	432.7	437.8	442.9	441.2	449.8	484.0	550.7	634.5	743.9	865.3	1021.0
52.5°	408.7	412.2	412.2	412.2	417.3	439.5	487.4	564.4	665.3	779.8	933.8
55°	395.1	398.5	400.2	401.9	403.6	415.6	451.5	513.1	600.3	706.3	844.8
57.5°	381.4	383.1	386.5	388.2	391.6	398.5	420.7	465.2	538.7	627.6	743.9
60°	369.4	372.8	379.7	381.4	384.8	386.5	396.8	424.1	472.0	540.4	634.5
62.5°	350.6	355.7	362.6	364.3	367.7	369.4	371.1	386.5	408.7	449.8	519.9
63°	345.5	350.6	359.1	360.8	362.6	362.6	364.3	374.5	395.1	431.0	482.3
65°	326.6	333.5	338.6	340.3	342.0	342.0	340.3	343.7	345.5	360.8	391.6
67.5°	306.1	311.3	314.7	316.4	314.7	316.4	314.7	311.3	307.8	311.3	324.9
70°	285.6	289.0	289.0	290.7	292.4	294.2	290.7	287.3	283.9	282.2	290.7
72.5°	261.7	265.1	265.1	266.8	266.8	270.2	270.2	268.5	268.5	270.2	271.9
75°	237.7	241.1	239.4	242.8	242.8	248.0	248.0	249.7	253.1	251.4	249.7
77.5°	215.5	217.2	217.2	218.9	220.6	229.2	234.3	236.0	236.0	232.6	229.2
80°	191.5	191.5	188.1	186.4	188.1	196.7	206.9	208.6	213.8	212.1	213.8
82.5°	160.8	153.9	148.8	148.8	152.2	157.3	160.8	164.2	167.6	167.6	171.0
85°	123.1	116.3	111.2	112.9	118.0	119.7	118.0	118.0	124.8	130.0	124.8
87.5°	73.5	66.7	63.3	58.1	59.9	65.0	63.3	58.1	59.9	47.9	44.5
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: P153531

CATALOG NUMBER: TLM-E05-LED-E1-SLR-7050

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0
2.5°	1823.0	1821.3	1817.9	1812.8	1811.1	1807.7	1809.4	1804.2	1800.8	1797.4	1792.3
5°	1886.3	1886.3	1876.1	1876.1	1870.9	1869.2	1857.3	1852.1	1841.9	1845.3	1833.3
7.5°	1930.8	1935.9	1923.9	1922.2	1915.4	1913.7	1898.3	1893.2	1884.6	1881.2	1870.9
10°	1963.3	1963.3	1947.9	1935.9	1927.4	1918.8	1903.4	1896.6	1889.7	1891.5	1884.6
12.5°	1988.9	1977.0	1954.7	1937.6	1925.7	1917.1	1905.1	1900.0	1898.3	1910.3	1912.0
15°	2009.5	1992.4	1965.0	1953.0	1942.8	1941.0	1941.0	1946.2	1958.2	1980.4	1997.5
17.5°	2021.4	2011.2	1997.5	1994.1	2011.2	2021.4	2035.1	2050.5	2067.6	2098.4	2117.2
20°	2043.7	2050.5	2060.8	2074.4	2101.8	2127.5	2144.6	2166.8	2187.3	2224.9	2255.7
22.5°	2101.8	2141.1	2173.6	2201.0	2242.0	2278.0	2300.2	2331.0	2346.4	2372.0	2419.9
25°	2177.1	2257.4	2325.8	2384.0	2447.3	2484.9	2515.7	2555.0	2578.9	2621.7	2664.5
27.5°	2154.8	2269.4	2372.0	2479.8	2567.0	2664.5	2732.9	2797.8	2838.9	2902.2	2958.6
30°	2086.4	2223.2	2361.8	2503.7	2642.2	2782.5	2912.4	3030.4	3121.1	3211.7	3304.1
32.5°	1994.1	2151.4	2320.7	2495.1	2676.4	2871.4	3051.0	3228.8	3379.3	3511.0	3639.3
35°	1888.0	2065.9	2242.0	2457.5	2681.6	2929.5	3179.2	3425.5	3654.6	3887.2	4044.6
37.5°	1761.5	1942.8	2139.4	2387.4	2650.8	2956.9	3275.0	3596.5	3921.4	4234.4	4506.3
40°	1626.4	1811.1	2018.0	2286.5	2584.1	2939.8	3336.6	3769.2	4215.6	4668.8	5029.6
42.5°	1506.7	1696.5	1922.2	2194.2	2517.4	2917.6	3386.1	3918.0	4463.6	5024.5	5554.7
45°	1390.4	1599.0	1836.7	2129.2	2488.3	2934.7	3459.7	4056.5	4685.9	5366.5	6013.0
47.5°	1286.1	1498.1	1729.0	2048.8	2445.6	2943.2	3531.5	4195.1	4896.2	5633.3	6401.2
50°	1192.0	1397.2	1624.7	1946.2	2378.9	2938.1	3596.5	4319.9	5077.5	5843.7	6700.5
52.5°	1099.6	1308.3	1540.9	1847.0	2296.8	2909.0	3627.3	4422.5	5245.1	6055.7	6941.6
55°	1009.0	1214.2	1448.5	1752.9	2189.0	2833.8	3623.9	4489.2	5378.5	6255.8	7174.2
57.5°	903.0	1097.9	1327.1	1648.6	2074.4	2717.5	3572.6	4520.0	5493.1	6454.2	7452.9
60°	771.3	954.3	1174.9	1496.4	1923.9	2568.7	3464.8	4502.9	5559.8	6601.3	7690.7
62.5°	608.8	767.9	969.7	1284.3	1735.8	2354.9	3263.0	4347.3	5453.8	6580.8	7801.8
63°	574.6	725.1	921.8	1233.0	1655.5	2296.8	3203.2	4285.7	5402.4	6538.0	7786.4
65°	461.7	559.2	716.6	995.3	1385.2	2011.2	2905.6	3969.3	5127.1	6237.0	7564.1
67.5°	354.0	403.6	487.4	682.4	979.9	1581.9	2353.2	3363.9	4449.9	5493.1	6847.5
70°	302.7	324.9	360.8	453.2	622.5	998.7	1652.0	2508.8	3449.4	4354.1	5571.8
72.5°	275.3	285.6	304.4	343.7	427.5	598.6	1053.5	1633.2	2346.4	3104.0	4044.6
75°	253.1	261.7	277.0	297.6	328.4	398.5	600.3	998.7	1525.5	2038.5	2729.4
77.5°	230.9	236.0	253.1	271.9	292.4	328.4	396.8	574.6	877.3	1202.3	1645.2
80°	212.1	208.6	220.6	251.4	271.9	292.4	313.0	372.8	499.4	658.4	889.3
82.5°	169.3	172.7	183.0	213.8	222.3	217.2	220.6	230.9	278.8	304.4	454.9
85°	114.6	106.0	104.3	107.7	107.7	102.6	102.6	100.9	111.2	126.6	217.2
87.5°	30.8	15.4	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: P153531

CATALOG NUMBER: TLM-E05-LED-E1-SLR-7050

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0
2.5°	1788.8	1787.1	1788.8	1780.3	1780.3	1778.6	1776.9	1773.5	1773.5	1766.6	1771.7
5°	1823.0	1819.6	1812.8	1802.5	1797.4	1790.6	1790.6	1783.7	1778.6	1771.7	1773.5
7.5°	1862.4	1864.1	1852.1	1843.6	1840.1	1833.3	1835.0	1824.8	1826.5	1821.3	1817.9
10°	1884.6	1884.6	1888.0	1886.3	1889.7	1889.7	1894.9	1888.0	1884.6	1879.5	1879.5
12.5°	1920.5	1927.4	1941.0	1941.0	1951.3	1954.7	1956.4	1959.9	1953.0	1949.6	1937.6
15°	2009.5	2026.6	2038.5	2055.6	2076.2	2083.0	2083.0	2076.2	2072.7	2067.6	2045.4
17.5°	2156.5	2194.2	2204.4	2231.8	2235.2	2243.8	2267.7	2254.0	2245.5	2209.5	2202.7
20°	2307.0	2354.9	2402.8	2437.0	2454.1	2488.3	2493.4	2486.6	2452.4	2418.2	2402.8
22.5°	2488.3	2560.1	2614.9	2667.9	2693.5	2710.6	2748.3	2739.7	2712.3	2661.0	2640.5
25°	2744.8	2833.8	2891.9	2956.9	2991.1	3008.2	3045.8	3045.8	3016.8	3001.4	2999.6
27.5°	3068.1	3177.5	3273.3	3295.5	3384.4	3405.0	3440.9	3440.9	3413.5	3394.7	3485.3
30°	3427.2	3541.8	3707.7	3818.8	3926.6	4032.6	4030.9	4037.7	4070.2	4087.3	4126.7
32.5°	3786.3	3928.3	4104.4	4345.6	4576.4	4773.1	5027.9	5190.4	5140.8	5002.3	4947.5
35°	4222.4	4379.8	4593.5	4836.4	5258.8	5513.6	5636.7	5724.0	5734.2	5753.0	5792.4
37.5°	4708.1	4971.5	5219.5	5494.8	5729.1	6038.6	6324.2	6553.4	6606.4	6714.1	6652.6
40°	5322.1	5616.2	5876.2	6231.9	6546.6	6919.4	7328.1	7642.8	7769.3	7728.3	7420.5
42.5°	5965.1	6329.4	6633.8	7052.8	7461.5	7954.0	8376.4	8816.0	8894.6	8578.2	8118.2
45°	6556.8	7008.3	7386.2	7822.3	8321.7	8911.7	9476.1	9927.6	9912.2	9370.1	8754.4
47.5°	7088.7	7642.8	8104.5	8672.3	9209.3	9912.2	10560.3	10893.8	10697.1	10055.8	9301.6
50°	7528.2	8219.1	8788.6	9363.2	10045.6	10892.1	11516.3	11704.4	11324.8	10627.0	9833.5
52.5°	7882.2	8749.3	9388.9	10050.7	10912.6	11803.6	12340.6	12270.5	11779.7	11063.1	10273.0
55°	8181.5	9154.6	9917.3	10698.9	11767.7	12588.6	12946.0	12757.9	12072.1	11345.3	10574.0
57.5°	8491.0	9547.9	10403.0	11309.4	12499.7	13204.3	13402.6	13016.1	12210.7	11453.0	10704.0
60°	8800.6	9876.3	10832.3	11843.0	13053.8	13707.1	13652.3	13074.3	12169.6	11374.4	10616.8
62.5°	9009.2	10071.2	11081.9	12171.3	13469.3	13963.6	13628.4	12867.4	11931.9	11064.8	10356.8
63°	9014.3	10078.1	11097.3	12193.6	13515.5	13972.1	13582.2	12793.8	11856.6	11001.6	10279.9
65°	8906.6	9949.8	10960.5	12092.7	13476.2	13775.5	13183.7	12359.4	11427.4	10563.8	9879.7
67.5°	8355.9	9419.6	10312.4	11379.5	12771.6	12857.1	12116.6	11451.3	10613.4	9718.9	9004.1
70°	7246.0	8130.2	9005.8	9896.8	11064.8	11049.4	10353.4	10014.8	9281.1	8261.9	7689.0
72.5°	5763.3	6556.8	7172.5	7769.3	8538.9	8383.3	7935.2	8029.3	7553.8	6792.8	6452.5
75°	4278.9	5151.0	5452.0	5694.9	6019.8	6021.5	6144.7	6411.4	6404.6	5982.2	5552.9
77.5°	2806.4	3760.7	3861.6	4056.5	4446.5	4976.6	5523.9	6112.2	6259.2	5925.8	5291.3
80°	1564.8	2556.7	2440.4	2608.0	3028.7	3748.7	4555.9	5205.8	5588.9	5402.4	4730.3
82.5°	800.4	1474.2	1409.2	1641.8	1982.1	2608.0	3141.6	3641.0	4092.5	4066.8	3812.0
85°	415.6	807.2	918.4	1039.8	1210.8	1434.8	1636.6	1782.0	1970.1	2301.9	2414.8
87.5°	0.0	0.0	0.0	0.0	0.0	1.7	0.0	123.1	88.9	244.6	348.9
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: P153531

CATALOG NUMBER: TLM-E05-LED-E1-SLR-7050

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0
2.5°	1773.5	1775.2	1771.7	1771.7	1773.5	1773.5	1770.0
5°	1770.0	1770.0	1766.6	1763.2	1759.8	1759.8	1756.4
7.5°	1809.4	1809.4	1797.4	1792.3	1783.7	1776.9	1773.5
10°	1867.5	1857.3	1843.6	1833.3	1819.6	1804.2	1795.7
12.5°	1925.7	1910.3	1893.2	1877.8	1860.7	1843.6	1835.0
15°	2021.4	2000.9	1978.7	1959.9	1935.9	1910.3	1900.0
17.5°	2168.5	2136.0	2106.9	2079.6	2036.8	2018.0	1997.5
20°	2363.5	2315.6	2278.0	2231.8	2178.8	2161.7	2136.0
22.5°	2599.5	2558.4	2483.2	2449.0	2396.0	2370.3	2375.4
25°	2958.6	2905.6	2818.4	2785.9	2780.7	2724.3	2696.9
27.5°	3427.2	3430.6	3350.2	3263.0	3215.1	3126.2	3013.3
30°	4094.2	4048.0	3953.9	3865.0	3752.1	3584.5	3396.4
32.5°	4901.4	4798.8	4643.1	4477.2	4277.1	4018.9	3755.5
35°	5689.8	5510.2	5262.2	4985.2	4696.1	4374.6	4001.8
37.5°	6382.4	6103.6	5732.5	5414.4	5005.7	4603.8	4148.9
40°	7015.1	6669.7	6190.8	5778.7	5296.4	4779.9	4241.2
42.5°	7627.4	7189.6	6603.0	6045.5	5499.9	4897.9	4285.7
45°	8210.6	7646.2	6950.2	6286.6	5648.7	4974.9	4292.5
47.5°	8658.6	8043.0	7261.4	6461.0	5751.3	5033.0	4292.5
50°	9074.2	8378.2	7499.1	6597.9	5847.1	5072.4	4296.0
52.5°	9397.4	8614.2	7653.0	6695.3	5922.3	5101.5	4311.4
55°	9631.7	8768.1	7755.6	6755.2	5977.1	5142.5	4345.6
57.5°	9795.9	8869.0	7812.1	6808.2	6043.8	5214.3	4441.3
60°	9874.6	9055.4	7906.1	6914.2	6158.3	5366.5	4632.9
62.5°	9814.7	9344.4	8174.6	7093.8	6317.4	5604.2	4939.0
63°	9789.0	9397.4	8248.2	7133.1	6353.3	5655.6	5045.0
65°	9589.0	9450.4	8550.9	7331.5	6524.3	5883.0	5340.9
67.5°	8968.2	9241.8	8805.7	7666.7	6892.0	6435.4	5893.3
70°	8164.4	8932.2	8759.5	7709.5	7126.3	6888.6	6242.1
72.5°	7201.6	7996.8	7836.0	7140.0	6868.1	6893.7	6151.5
75°	5667.5	6264.4	6158.3	5913.8	5968.5	6156.6	5269.1
77.5°	4540.5	4460.1	4215.6	4232.7	4549.1	4769.7	3793.2
80°	3709.4	3003.1	2685.0	2693.5	3245.9	3475.1	2416.5
82.5°	3529.8	2840.6	2313.9	2021.4	2361.8	2274.5	1262.1
85°	2514.0	2519.1	2089.8	1698.2	1645.2	1398.9	786.7
87.5°	595.1	477.1	340.3	253.1	266.8	176.1	88.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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