

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: P153545

Luminaire Tested: **TLM-F06-LED-E1-SLR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P153545
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-F06-LED-E1-SLR
Description: TALON MEDIUM LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13781.9 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 1.93 / 2.48 / 2.48
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
CIE Type: Direct

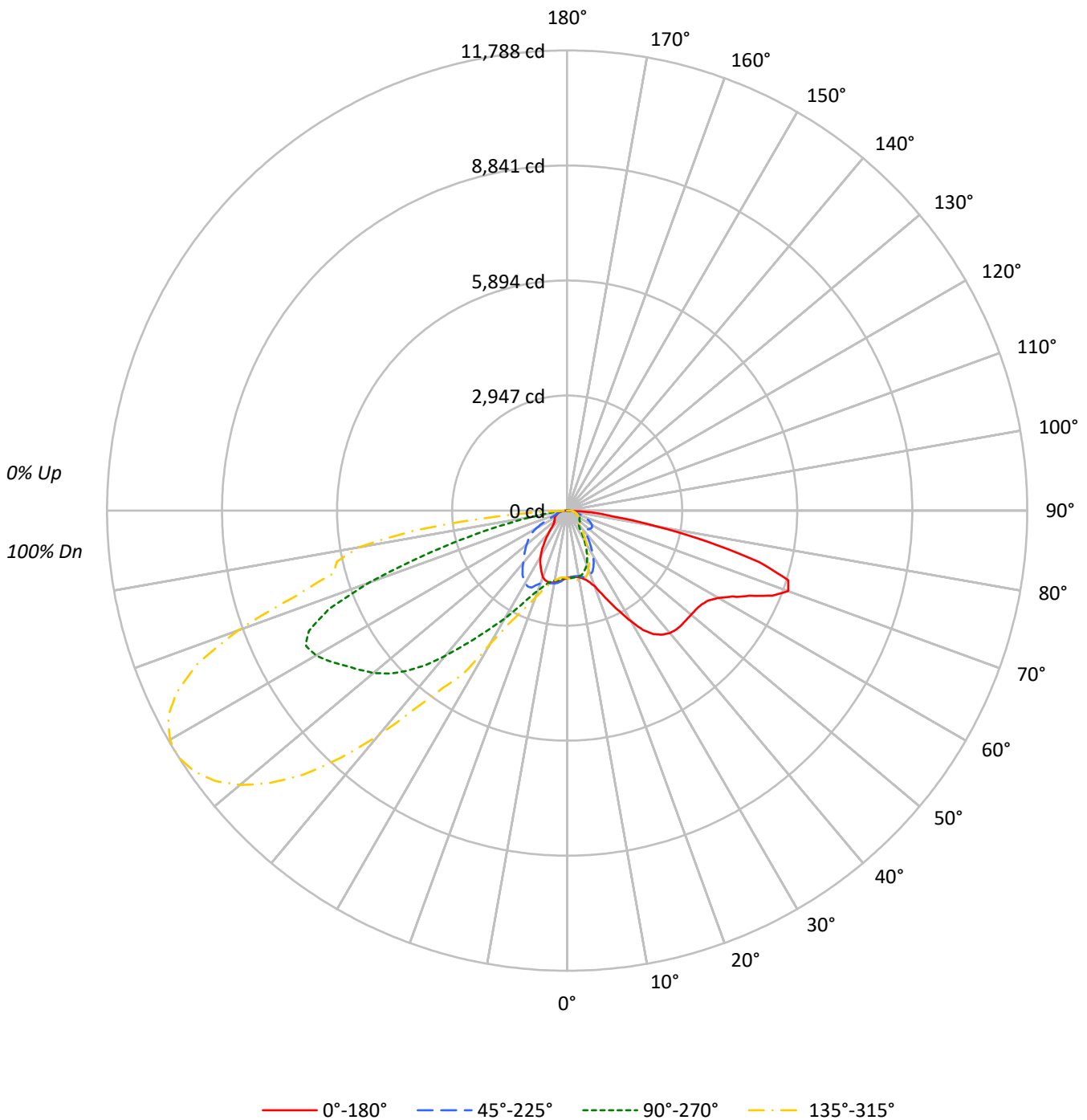
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	18643	18643	18643	18643
5°	18321	18642	19534	19124
10°	18948	18713	20410	19887
15°	20441	18214	21104	21489
20°	23622	16794	20804	24945
25°	30923	14177	18981	30550
30°	40755	10979	16930	39646
35°	50768	7507	13559	51309
40°	57534	6565	9929	68229
45°	63083	6887	7465	88368
50°	69451	7050	7134	108324
55°	78730	7219	7281	129979
60°	96288	7927	7927	159840
65°	131326	8242	8369	185994
70°	189657	8730	8834	169289
75°	211557	9199	9748	109590
80°	144609	9930	11158	53216
85°	93800	12239	13462	25898



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.6	1.2
10°-20°	525.1	3.8
20°-30°	932.8	6.8
30°-40°	1469.0	10.7
40°-50°	2161.9	15.7
50°-60°	2871.6	20.8
60°-70°	3163.1	23.0
70°-80°	1984.5	14.4
80°-90°	505.4	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°	1626.5	11.8
0°-40°	3095.5	22.5
0°-60°	8128.9	59.0
0°-90°	13781.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13781.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1732	1732	1732	1732	1732	
5°	1696	1725	1808	1770	1696	164
15°	1834	1634	1894	1928	1834	531
25°	2604	1194	1598	2572	2604	1229
35°	3864	571	1032	3905	3864	2394
45°	4144	452	490	5805	4144	3204
55°	4195	385	388	6926	4195	3805
65°	5156	324	329	7303	5156	5191
75°	5087	221	234	2635	5087	4975
85°	760	99	109	210	760	878
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°	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0
2.5°	1708.8	1713.8	1712.1	1712.1	1715.4	1713.8	1713.8	1715.4	1715.4	1720.4	1727.0
5°	1695.6	1694.0	1690.7	1694.0	1694.0	1694.0	1687.4	1692.3	1694.0	1697.3	1697.3
7.5°	1712.1	1707.2	1700.6	1702.2	1702.2	1698.9	1694.0	1695.6	1694.0	1694.0	1692.3
10°	1733.6	1722.0	1713.8	1713.8	1713.8	1710.5	1702.2	1707.2	1707.2	1705.5	1707.2
12.5°	1771.6	1758.4	1748.5	1745.2	1745.2	1740.2	1733.6	1740.2	1736.9	1736.9	1733.6
15°	1834.3	1819.5	1807.9	1798.0	1799.6	1799.6	1791.4	1786.4	1779.8	1771.6	1755.1
17.5°	1928.4	1911.9	1897.1	1888.8	1890.5	1878.9	1855.8	1832.7	1801.3	1769.9	1735.3
20°	2062.2	2057.2	2037.4	2029.1	2009.3	1981.3	1916.9	1862.4	1801.3	1741.9	1682.4
22.5°	2293.3	2270.2	2250.4	2219.0	2153.0	2075.4	1968.1	1872.3	1776.5	1692.3	1613.1
25°	2603.7	2562.4	2465.0	2369.3	2233.9	2095.2	1949.9	1826.1	1707.2	1596.6	1499.2
27.5°	2909.1	2783.7	2610.3	2436.9	2238.8	2057.2	1875.6	1728.6	1590.0	1469.4	1362.1
30°	3279.0	3067.7	2801.8	2527.8	2247.1	2002.7	1784.8	1613.1	1452.9	1325.8	1213.5
32.5°	3625.7	3320.3	2971.9	2612.0	2265.2	1951.5	1680.8	1485.9	1320.8	1160.7	1050.1
35°	3863.5	3467.2	3044.5	2620.2	2220.7	1854.1	1550.3	1320.8	1155.7	1007.1	876.7
37.5°	4005.4	3531.6	3047.8	2560.8	2116.6	1722.0	1385.2	1157.4	1005.5	863.5	761.1
40°	4094.6	3546.5	3004.9	2474.9	1984.6	1555.3	1220.1	1015.4	876.7	762.8	683.5
42.5°	4137.5	3523.3	2935.6	2366.0	1850.8	1406.7	1104.6	911.4	790.9	710.0	650.5
45°	4144.1	3482.1	2861.3	2266.9	1732.0	1299.4	1025.3	868.5	769.4	701.7	642.3
47.5°	4144.1	3445.7	2801.8	2194.2	1654.4	1253.1	1018.7	886.6	789.2	713.3	642.3
50°	4147.4	3434.2	2777.1	2157.9	1627.9	1277.9	1074.8	942.7	832.1	733.1	640.6
52.5°	4162.3	3449.0	2796.9	2186.0	1675.8	1377.0	1180.5	1027.0	888.3	756.2	640.6
55°	4195.3	3498.6	2881.1	2283.4	1804.6	1527.2	1307.6	1117.8	932.8	766.1	630.7
57.5°	4287.8	3624.1	3034.6	2471.6	2024.2	1700.6	1423.2	1182.2	949.4	757.8	610.9
60°	4472.7	3873.4	3297.1	2735.8	2257.0	1849.2	1490.9	1192.1	934.5	731.4	579.5
62.5°	4768.2	4159.0	3615.8	3023.1	2463.4	1931.7	1499.2	1167.3	894.9	683.5	533.3
63°	4870.6	4230.0	3683.5	3077.6	2489.8	1938.3	1492.5	1157.4	885.0	670.3	526.7
65°	5156.2	4528.8	3917.9	3269.1	2564.1	1940.0	1456.2	1107.9	838.7	619.1	480.5
67.5°	5689.5	4921.8	4213.5	3419.3	2590.5	1887.1	1363.8	1015.4	741.3	539.9	422.7
70°	6026.3	5141.4	4327.4	3422.6	2512.9	1736.9	1203.6	865.2	617.5	447.4	363.2
72.5°	5938.8	4925.1	4026.9	3113.9	2177.7	1451.3	967.5	680.2	482.1	358.3	302.1
75°	5086.9	4099.6	3285.6	2412.2	1646.1	1066.6	708.3	485.4	356.6	280.7	252.6
77.5°	3662.0	2950.4	2356.0	1718.7	1109.5	690.1	470.5	346.7	270.8	231.1	208.0
80°	2332.9	1730.3	1441.4	1033.6	648.9	427.6	323.6	262.5	222.9	193.2	178.3
82.5°	1218.5	853.6	693.4	528.3	359.9	282.3	237.8	214.6	183.3	160.2	151.9
85°	759.5	503.6	373.1	260.9	180.0	161.8	148.6	145.3	130.4	115.6	110.6
87.5°	85.9	77.6	80.9	51.2	38.0	41.3	39.6	52.8	51.2	38.0	39.6
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0
2.5°	1720.4	1723.7	1723.7	1728.6	1728.6	1732.0	1735.3	1735.3	1738.6	1740.2	1743.5
5°	1700.6	1700.6	1700.6	1707.2	1708.8	1718.7	1722.0	1725.3	1728.6	1740.2	1746.8
7.5°	1695.6	1689.0	1692.3	1692.3	1697.3	1705.5	1713.8	1718.7	1723.7	1738.6	1748.5
10°	1705.5	1700.6	1695.6	1695.6	1697.3	1700.6	1707.2	1712.1	1715.4	1730.3	1738.6
12.5°	1732.0	1720.4	1710.5	1702.2	1695.6	1694.0	1690.7	1692.3	1695.6	1703.9	1715.4
15°	1736.9	1715.4	1694.0	1672.5	1656.0	1646.1	1637.8	1634.5	1634.5	1639.5	1652.7
17.5°	1703.9	1667.6	1636.2	1608.1	1590.0	1571.8	1563.5	1556.9	1553.6	1560.2	1561.9
20°	1632.9	1590.0	1547.0	1514.0	1481.0	1476.0	1462.8	1466.1	1469.4	1479.3	1484.3
22.5°	1535.5	1484.3	1431.5	1396.8	1370.4	1347.3	1332.4	1339.0	1344.0	1353.9	1358.8
25°	1416.6	1342.3	1286.2	1251.5	1223.4	1203.6	1187.1	1193.7	1187.1	1198.7	1216.8
27.5°	1276.3	1188.8	1129.3	1089.7	1069.9	1053.4	1036.9	1036.9	1053.4	1053.4	1068.2
30°	1106.2	1041.8	964.2	922.9	898.2	888.3	886.6	883.3	894.9	901.5	918.0
32.5°	946.1	866.8	792.5	752.9	731.4	719.9	721.5	723.2	728.1	738.0	764.4
35°	784.2	714.9	662.1	617.5	596.0	574.6	574.6	571.3	576.2	587.8	619.1
37.5°	680.2	619.1	577.9	543.2	521.7	508.5	497.0	492.0	492.0	497.0	508.5
40°	622.4	577.9	539.9	510.2	490.4	478.8	472.2	467.2	463.9	463.9	465.6
42.5°	596.0	549.8	511.8	485.4	470.5	463.9	462.3	460.6	455.7	454.0	452.4
45°	582.8	530.0	487.1	465.6	454.0	450.7	452.4	452.4	450.7	447.4	440.8
47.5°	572.9	511.8	468.9	449.1	444.1	444.1	444.1	444.1	442.5	440.8	435.9
50°	556.4	483.8	437.5	422.7	419.4	419.4	421.0	421.0	424.3	421.0	417.7
52.5°	538.2	457.3	411.1	397.9	396.3	394.6	394.6	394.6	396.3	396.3	394.6
55°	518.4	437.5	397.9	388.0	389.6	388.0	386.3	384.7	384.7	383.0	379.7
57.5°	498.6	421.0	388.0	381.4	383.0	383.0	379.7	376.4	374.8	369.8	366.5
60°	468.9	397.9	368.2	364.9	369.8	369.8	369.8	368.2	368.2	366.5	358.3
62.5°	429.3	364.9	341.8	343.4	345.1	348.4	348.4	348.4	348.4	345.1	336.8
63°	421.0	358.3	336.8	336.8	341.8	341.8	343.4	341.8	343.4	340.1	330.2
65°	388.0	336.8	320.3	322.0	325.3	325.3	325.3	323.6	323.6	318.7	313.7
67.5°	350.0	310.4	300.5	302.1	303.8	307.1	305.4	305.4	307.1	303.8	298.8
70°	307.1	282.3	275.7	277.4	279.0	279.0	277.4	277.4	279.0	275.7	270.8
72.5°	274.1	264.2	259.2	259.2	255.9	255.9	252.6	251.0	249.3	249.3	244.4
75°	231.1	229.5	231.1	234.4	231.1	227.8	226.2	221.2	217.9	217.9	216.3
77.5°	198.1	198.1	201.4	206.4	208.0	208.0	203.1	194.8	193.2	193.2	193.2
80°	171.7	168.4	168.4	173.4	178.3	176.7	168.4	160.2	160.2	168.4	170.1
82.5°	150.2	150.2	145.3	146.9	145.3	143.6	135.4	130.4	128.8	135.4	142.0
85°	118.9	120.5	118.9	117.2	115.6	110.6	104.0	99.1	97.4	104.0	113.9
87.5°	47.9	46.2	44.6	46.2	44.6	47.9	46.2	42.9	41.3	46.2	56.1
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°	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0
2.5°	1745.2	1748.5	1751.8	1751.8	1755.1	1753.4	1755.1	1756.7	1756.7	1758.4	1758.4
5°	1755.1	1760.0	1766.6	1773.2	1774.9	1779.8	1784.8	1781.5	1786.4	1793.0	1793.0
7.5°	1758.4	1769.9	1774.9	1784.8	1786.4	1793.0	1804.6	1796.3	1806.2	1811.2	1812.9
10°	1753.4	1765.0	1773.2	1784.8	1789.7	1801.3	1812.9	1809.6	1821.1	1829.4	1831.0
12.5°	1723.7	1735.3	1753.4	1769.9	1783.1	1801.3	1822.8	1816.2	1832.7	1842.6	1847.5
15°	1665.9	1677.5	1697.3	1723.7	1748.5	1776.5	1804.6	1809.6	1826.1	1837.6	1842.6
17.5°	1575.1	1590.0	1611.4	1639.5	1670.9	1718.7	1755.1	1773.2	1796.3	1802.9	1811.2
20°	1490.9	1505.8	1519.0	1535.5	1558.6	1604.8	1652.7	1689.0	1718.7	1743.5	1750.1
22.5°	1378.6	1391.8	1408.3	1421.6	1438.1	1471.1	1510.7	1552.0	1598.2	1613.1	1629.6
25°	1243.2	1251.5	1274.6	1282.9	1294.4	1322.5	1353.9	1383.6	1428.2	1459.5	1467.8
27.5°	1097.9	1106.2	1127.7	1132.6	1147.5	1173.9	1197.0	1208.6	1249.8	1282.9	1309.3
30°	929.5	951.0	977.4	980.7	997.2	1013.7	1035.2	1046.8	1084.7	1119.4	1152.4
32.5°	784.2	805.7	827.2	840.4	848.6	861.8	883.3	894.9	931.2	962.6	995.6
35°	635.7	662.1	685.2	703.3	710.0	726.5	743.0	754.5	792.5	820.6	843.7
37.5°	523.4	543.2	568.0	586.1	604.3	615.8	635.7	652.2	675.3	690.1	714.9
40°	468.9	478.8	492.0	506.9	521.7	534.9	549.8	563.0	577.9	597.7	614.2
42.5°	450.7	452.4	452.4	457.3	465.6	472.2	485.4	495.3	505.2	520.1	528.3
45°	437.5	435.9	432.6	429.3	430.9	434.2	442.5	449.1	460.6	467.2	468.9
47.5°	430.9	424.3	417.7	412.8	411.1	412.8	419.4	426.0	432.6	437.5	439.2
50°	409.5	404.5	394.6	388.0	384.7	388.0	396.3	399.6	406.2	411.1	412.8
52.5°	388.0	381.4	374.8	368.2	368.2	369.8	376.4	383.0	389.6	391.3	394.6
55°	374.8	364.9	358.3	353.3	350.0	355.0	359.9	368.2	376.4	378.1	381.4
57.5°	361.6	351.7	345.1	340.1	336.8	341.8	346.7	358.3	368.2	368.2	368.2
60°	353.3	345.1	335.2	330.2	325.3	330.2	336.8	348.4	358.3	356.6	355.0
62.5°	330.2	322.0	317.0	317.0	312.0	320.3	326.9	340.1	341.8	338.5	335.2
63°	323.6	317.0	313.7	313.7	310.4	318.7	325.3	336.8	336.8	333.5	330.2
65°	307.1	302.1	298.8	302.1	302.1	310.4	312.0	320.3	318.7	313.7	312.0
67.5°	293.9	290.6	287.3	287.3	287.3	288.9	290.6	293.9	292.2	290.6	292.2
70°	272.4	270.8	267.5	267.5	265.8	265.8	265.8	267.5	267.5	269.1	270.8
72.5°	246.0	242.7	242.7	244.4	241.1	242.7	244.4	242.7	246.0	246.0	247.7
75°	216.3	214.6	217.9	221.2	219.6	219.6	221.2	221.2	222.9	222.9	224.5
77.5°	193.2	194.8	196.5	199.8	201.4	201.4	201.4	199.8	201.4	201.4	203.1
80°	171.7	175.0	178.3	181.6	183.3	183.3	183.3	181.6	181.6	181.6	181.6
82.5°	155.2	160.2	163.5	165.1	165.1	165.1	165.1	165.1	165.1	161.8	158.5
85°	130.4	140.3	140.3	142.0	137.0	133.7	130.4	132.1	133.7	127.1	125.5
87.5°	66.0	66.0	69.3	72.6	74.3	74.3	84.2	79.3	77.6	75.9	72.6
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: P153545

CATALOG NUMBER: TLM-F06-LED-E1-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0
2.5°	1760.0	1758.4	1761.7	1758.4	1760.0	1761.7	1758.4	1763.3	1766.6	1761.7	1756.7
5°	1796.3	1796.3	1804.6	1807.9	1809.6	1819.5	1814.5	1817.8	1821.1	1819.5	1821.1
7.5°	1819.5	1826.1	1834.3	1842.6	1844.2	1852.5	1850.8	1855.8	1859.1	1867.3	1867.3
10°	1839.3	1847.5	1859.1	1867.3	1875.6	1882.2	1885.5	1895.4	1897.1	1903.7	1903.7
12.5°	1857.4	1867.3	1878.9	1892.1	1900.4	1913.6	1915.2	1930.1	1935.0	1936.7	1931.7
15°	1854.1	1865.7	1878.9	1893.8	1908.6	1925.1	1935.0	1949.9	1958.1	1961.4	1953.2
17.5°	1822.8	1832.7	1849.2	1869.0	1887.1	1908.6	1926.8	1948.2	1961.4	1964.7	1963.1
20°	1761.7	1768.3	1789.7	1816.2	1837.6	1870.6	1897.1	1930.1	1951.5	1968.1	1973.0
22.5°	1641.1	1657.7	1679.1	1708.8	1740.2	1781.5	1819.5	1867.3	1913.6	1953.2	1992.8
25°	1495.9	1525.6	1558.6	1598.2	1636.2	1679.1	1722.0	1776.5	1844.2	1926.8	2020.9
27.5°	1348.9	1400.1	1441.4	1492.5	1537.1	1580.1	1627.9	1687.4	1761.7	1860.7	1981.3
30°	1200.3	1258.1	1302.7	1362.1	1421.6	1479.3	1527.2	1590.0	1662.6	1763.3	1895.4
32.5°	1041.8	1099.6	1152.4	1206.9	1273.0	1342.3	1400.1	1477.7	1555.3	1659.3	1793.0
35°	878.4	929.5	974.1	1031.9	1104.6	1178.8	1254.8	1344.0	1428.2	1537.1	1679.1
37.5°	736.4	772.7	815.6	866.8	922.9	1002.2	1088.0	1193.7	1289.5	1408.3	1553.6
40°	619.1	639.0	663.7	706.6	757.8	835.4	919.6	1031.9	1147.5	1277.9	1418.3
42.5°	528.3	538.2	544.8	572.9	614.2	690.1	771.0	880.0	1007.1	1149.1	1291.1
45°	468.9	473.9	475.5	490.4	520.1	586.1	670.3	762.8	885.0	1023.7	1172.2
47.5°	440.8	445.8	449.1	452.4	470.5	521.7	597.7	685.2	797.5	924.6	1076.5
50°	417.7	422.7	427.6	426.0	434.2	467.2	531.6	612.5	718.2	835.4	985.7
52.5°	394.6	397.9	397.9	397.9	402.9	424.3	470.5	544.8	642.3	752.9	901.5
55°	381.4	384.7	386.3	388.0	389.6	401.2	435.9	495.3	579.5	681.9	815.6
57.5°	368.2	369.8	373.1	374.8	378.1	384.7	406.2	449.1	520.1	605.9	718.2
60°	356.6	359.9	366.5	368.2	371.5	373.1	383.0	409.5	455.7	521.7	612.5
62.5°	338.5	343.4	350.0	351.7	355.0	356.6	358.3	373.1	394.6	434.2	501.9
63°	333.5	338.5	346.7	348.4	350.0	350.0	351.7	361.6	381.4	416.1	465.6
65°	315.4	322.0	326.9	328.6	330.2	330.2	328.6	331.9	333.5	348.4	378.1
67.5°	295.5	300.5	303.8	305.4	303.8	305.4	303.8	300.5	297.2	300.5	313.7
70°	275.7	279.0	279.0	280.7	282.3	284.0	280.7	277.4	274.1	272.4	280.7
72.5°	252.6	255.9	255.9	257.6	257.6	260.9	260.9	259.2	259.2	260.9	262.5
75°	229.5	232.8	231.1	234.4	234.4	239.4	239.4	241.1	244.4	242.7	241.1
77.5°	208.0	209.7	209.7	211.3	213.0	221.2	226.2	227.8	227.8	224.5	221.2
80°	184.9	184.9	181.6	180.0	181.6	189.9	199.8	201.4	206.4	204.7	206.4
82.5°	155.2	148.6	143.6	143.6	146.9	151.9	155.2	158.5	161.8	161.8	165.1
85°	118.9	112.3	107.3	109.0	113.9	115.6	113.9	113.9	120.5	125.5	120.5
87.5°	71.0	64.4	61.1	56.1	57.8	62.7	61.1	56.1	57.8	46.2	42.9
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: P153545

CATALOG NUMBER: TLM-F06-LED-E1-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0
2.5°	1760.0	1758.4	1755.1	1750.1	1748.5	1745.2	1746.8	1741.9	1738.6	1735.3	1730.3
5°	1821.1	1821.1	1811.2	1811.2	1806.2	1804.6	1793.0	1788.1	1778.2	1781.5	1769.9
7.5°	1864.0	1869.0	1857.4	1855.8	1849.2	1847.5	1832.7	1827.7	1819.5	1816.2	1806.2
10°	1895.4	1895.4	1880.5	1869.0	1860.7	1852.5	1837.6	1831.0	1824.4	1826.1	1819.5
12.5°	1920.2	1908.6	1887.1	1870.6	1859.1	1850.8	1839.3	1834.3	1832.7	1844.2	1845.9
15°	1940.0	1923.5	1897.1	1885.5	1875.6	1873.9	1873.9	1878.9	1890.5	1911.9	1928.4
17.5°	1951.5	1941.6	1928.4	1925.1	1941.6	1951.5	1964.7	1979.6	1996.1	2025.8	2044.0
20°	1973.0	1979.6	1989.5	2002.7	2029.1	2053.9	2070.4	2091.9	2111.7	2148.0	2177.7
22.5°	2029.1	2067.1	2098.5	2124.9	2164.5	2199.2	2220.7	2250.4	2265.2	2290.0	2336.2
25°	2101.8	2179.4	2245.4	2301.6	2362.7	2399.0	2428.7	2466.7	2489.8	2531.1	2572.3
27.5°	2080.3	2190.9	2290.0	2394.0	2478.2	2572.3	2638.4	2701.1	2740.7	2801.8	2856.3
30°	2014.3	2146.4	2280.1	2417.1	2550.9	2686.3	2811.7	2925.7	3013.2	3100.7	3189.8
32.5°	1925.1	2077.0	2240.5	2408.9	2583.9	2772.1	2945.5	3117.2	3262.5	3389.6	3513.4
35°	1822.8	1994.5	2164.5	2372.6	2588.8	2828.2	3069.3	3307.1	3528.3	3752.8	3904.7
37.5°	1700.6	1875.6	2065.5	2304.9	2559.1	2854.7	3161.8	3472.2	3785.9	4088.0	4350.5
40°	1570.1	1748.5	1948.2	2207.5	2494.7	2838.2	3221.2	3638.9	4069.8	4507.4	4855.7
42.5°	1454.6	1637.8	1855.8	2118.3	2430.3	2816.7	3269.1	3782.6	4309.2	4850.8	5362.6
45°	1342.3	1543.7	1773.2	2055.6	2402.3	2833.2	3340.1	3916.3	4523.9	5181.0	5805.1
47.5°	1241.6	1446.3	1669.2	1978.0	2361.0	2841.5	3409.4	4050.0	4727.0	5438.6	6179.9
50°	1150.8	1348.9	1568.5	1878.9	2296.6	2836.5	3472.2	4170.6	4902.0	5641.6	6468.8
52.5°	1061.6	1263.1	1487.6	1783.1	2217.4	2808.4	3501.9	4269.6	5063.8	5846.4	6701.6
55°	974.1	1172.2	1398.4	1692.3	2113.3	2735.8	3498.6	4334.0	5192.6	6039.5	6926.2
57.5°	871.8	1060.0	1281.2	1591.6	2002.7	2623.5	3449.0	4363.7	5303.2	6231.1	7195.3
60°	744.6	921.3	1134.3	1444.7	1857.4	2479.9	3345.0	4347.2	5367.6	6373.1	7424.8
62.5°	587.8	741.3	936.1	1239.9	1675.8	2273.5	3150.2	4197.0	5265.2	6353.2	7532.1
63°	554.8	700.0	889.9	1190.4	1598.2	2217.4	3092.4	4137.5	5215.7	6312.0	7517.2
65°	445.8	539.9	691.8	960.9	1337.4	1941.6	2805.1	3832.1	4949.8	6021.4	7302.6
67.5°	341.8	389.6	470.5	658.8	946.1	1527.2	2271.8	3247.6	4296.0	5303.2	6610.8
70°	292.2	313.7	348.4	437.5	601.0	964.2	1594.9	2422.1	3330.2	4203.6	5379.1
72.5°	265.8	275.7	293.9	331.9	412.8	577.9	1017.0	1576.8	2265.2	2996.7	3904.7
75°	244.4	252.6	267.5	287.3	317.0	384.7	579.5	964.2	1472.7	1968.1	2635.1
77.5°	222.9	227.8	244.4	262.5	282.3	317.0	383.0	554.8	847.0	1160.7	1588.3
80°	204.7	201.4	213.0	242.7	262.5	282.3	302.1	359.9	482.1	635.7	858.5
82.5°	163.5	166.8	176.7	206.4	214.6	209.7	213.0	222.9	269.1	293.9	439.2
85°	110.6	102.4	100.7	104.0	104.0	99.1	99.1	97.4	107.3	122.2	209.7
87.5°	29.7	14.9	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: P153545

CATALOG NUMBER: TLM-F06-LED-E1-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0
2.5°	1727.0	1725.3	1727.0	1718.7	1718.7	1717.1	1715.4	1712.1	1712.1	1705.5	1710.5
5°	1760.0	1756.7	1750.1	1740.2	1735.3	1728.6	1728.6	1722.0	1717.1	1710.5	1712.1
7.5°	1798.0	1799.6	1788.1	1779.8	1776.5	1769.9	1771.6	1761.7	1763.3	1758.4	1755.1
10°	1819.5	1819.5	1822.8	1821.1	1824.4	1824.4	1829.4	1822.8	1819.5	1814.5	1814.5
12.5°	1854.1	1860.7	1873.9	1873.9	1883.8	1887.1	1888.8	1892.1	1885.5	1882.2	1870.6
15°	1940.0	1956.5	1968.1	1984.6	2004.4	2011.0	2011.0	2004.4	2001.1	1996.1	1974.7
17.5°	2082.0	2118.3	2128.2	2154.6	2157.9	2166.2	2189.3	2176.1	2167.8	2133.2	2126.6
20°	2227.3	2273.5	2319.7	2352.7	2369.3	2402.3	2407.2	2400.6	2367.6	2334.6	2319.7
22.5°	2402.3	2471.6	2524.5	2575.6	2600.4	2616.9	2653.2	2645.0	2618.6	2569.0	2549.2
25°	2649.9	2735.8	2791.9	2854.7	2887.7	2904.2	2940.5	2940.5	2912.5	2897.6	2895.9
27.5°	2962.0	3067.7	3160.1	3181.6	3267.4	3287.2	3321.9	3321.9	3295.5	3277.3	3364.8
30°	3308.7	3419.3	3579.5	3686.8	3790.8	3893.2	3891.5	3898.1	3929.5	3946.0	3984.0
32.5°	3655.4	3792.5	3962.5	4195.3	4418.2	4608.1	4854.1	5010.9	4963.1	4829.3	4776.5
35°	4076.4	4228.3	4434.7	4669.2	5077.0	5323.0	5441.9	5526.1	5536.0	5554.1	5592.1
37.5°	4545.3	4799.6	5039.0	5304.8	5531.0	5829.9	6105.6	6326.8	6378.0	6482.0	6422.6
40°	5138.1	5422.0	5673.0	6016.4	6320.2	6680.1	7074.7	7378.5	7500.7	7461.1	7163.9
42.5°	5758.9	6110.5	6404.4	6808.9	7203.5	7679.0	8086.8	8511.2	8587.1	8281.7	7837.5
45°	6330.1	6766.0	7130.9	7551.9	8034.0	8603.6	9148.5	9584.3	9569.5	9046.1	8451.7
47.5°	6843.6	7378.5	7824.3	8372.5	8890.9	9569.5	10195.2	10517.2	10327.3	9708.2	8980.1
50°	7267.9	7934.9	8484.7	9039.5	9698.3	10515.5	11118.2	11299.8	10933.3	10259.6	9493.5
52.5°	7609.7	8446.8	9064.3	9703.2	10535.3	11395.5	11914.0	11846.3	11372.4	10680.6	9917.9
55°	7898.6	8838.1	9574.4	10329.0	11360.9	12153.4	12498.4	12316.8	11654.8	10953.1	10208.4
57.5°	8197.5	9217.8	10043.3	10918.4	12067.5	12747.8	12939.3	12566.1	11788.5	11057.1	10333.9
60°	8496.3	9534.8	10457.7	11433.5	12602.5	13233.2	13180.3	12622.3	11748.9	10981.1	10249.7
62.5°	8697.7	9723.0	10698.8	11750.5	13003.7	13480.8	13157.2	12422.5	11519.4	10682.3	9998.8
63°	8702.7	9729.6	10713.7	11772.0	13048.2	13489.1	13112.6	12351.5	11446.7	10621.2	9924.5
65°	8598.7	9605.8	10581.6	11674.6	13010.3	13299.2	12727.9	11932.1	11032.3	10198.5	9538.1
67.5°	8067.0	9094.0	9955.8	10986.1	12330.0	12412.6	11697.7	11055.4	10246.4	9382.9	8692.8
70°	6995.5	7849.1	8694.4	9554.6	10682.3	10667.4	9995.5	9668.5	8960.2	7976.2	7423.1
72.5°	5564.0	6330.1	6924.5	7500.7	8243.7	8093.4	7660.9	7751.7	7292.7	6558.0	6229.4
75°	4130.9	4973.0	5263.5	5498.0	5811.7	5813.3	5932.2	6189.8	6183.2	5775.4	5361.0
77.5°	2709.4	3630.7	3728.1	3916.3	4292.7	4804.6	5332.9	5900.9	6042.8	5720.9	5108.3
80°	1510.7	2468.3	2356.0	2517.9	2924.0	3619.1	4398.4	5025.8	5395.6	5215.7	4566.8
82.5°	772.7	1423.2	1360.5	1585.0	1913.6	2517.9	3033.0	3515.1	3951.0	3926.2	3680.2
85°	401.2	779.3	886.6	1003.8	1168.9	1385.2	1580.1	1720.4	1902.0	2222.3	2331.3
87.5°	0.0	0.0	0.0	0.0	0.0	1.7	0.0	118.9	85.9	236.1	336.8
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: P153545

CATALOG NUMBER: TLM-F06-LED-E1-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0	1732.0
2.5°	1712.1	1713.8	1710.5	1710.5	1712.1	1712.1	1708.8
5°	1708.8	1708.8	1705.5	1702.2	1698.9	1698.9	1695.6
7.5°	1746.8	1746.8	1735.3	1730.3	1722.0	1715.4	1712.1
10°	1802.9	1793.0	1779.8	1769.9	1756.7	1741.9	1733.6
12.5°	1859.1	1844.2	1827.7	1812.9	1796.3	1779.8	1771.6
15°	1951.5	1931.7	1910.3	1892.1	1869.0	1844.2	1834.3
17.5°	2093.5	2062.2	2034.1	2007.7	1966.4	1948.2	1928.4
20°	2281.8	2235.5	2199.2	2154.6	2103.4	2086.9	2062.2
22.5°	2509.6	2470.0	2397.3	2364.3	2313.1	2288.4	2293.3
25°	2856.3	2805.1	2720.9	2689.6	2684.6	2630.1	2603.7
27.5°	3308.7	3312.0	3234.4	3150.2	3104.0	3018.1	2909.1
30°	3952.6	3908.0	3817.2	3731.4	3622.4	3460.6	3279.0
32.5°	4731.9	4632.8	4482.6	4322.4	4129.3	3880.0	3625.7
35°	5493.0	5319.7	5080.3	4812.8	4533.8	4223.4	3863.5
37.5°	6161.7	5892.6	5534.3	5227.2	4832.6	4444.6	4005.4
40°	6772.6	6439.1	5976.8	5578.9	5113.3	4614.7	4094.6
42.5°	7363.7	6941.0	6374.7	5836.5	5309.8	4728.6	4137.5
45°	7926.7	7381.8	6709.9	6069.3	5453.4	4802.9	4144.1
47.5°	8359.3	7764.9	7010.4	6237.7	5552.5	4859.0	4144.1
50°	8760.5	8088.5	7239.9	6369.8	5644.9	4897.0	4147.4
52.5°	9072.5	8316.3	7388.4	6463.9	5717.6	4925.1	4162.3
55°	9298.7	8464.9	7487.5	6521.6	5770.4	4964.7	4195.3
57.5°	9457.2	8562.3	7542.0	6572.8	5834.8	5034.1	4287.8
60°	9533.2	8742.3	7632.8	6675.2	5945.4	5181.0	4472.7
62.5°	9475.4	9021.3	7892.0	6848.6	6099.0	5410.5	4768.2
63°	9450.6	9072.5	7963.0	6886.5	6133.7	5460.0	4870.6
65°	9257.4	9123.7	8255.2	7078.1	6298.8	5679.6	5156.2
67.5°	8658.1	8922.3	8501.3	7401.7	6653.7	6212.9	5689.5
70°	7882.1	8623.4	8456.7	7442.9	6879.9	6650.4	6026.3
72.5°	6952.6	7720.3	7565.1	6893.1	6630.6	6655.4	5938.8
75°	5471.6	6047.8	5945.4	5709.3	5762.2	5943.8	5086.9
77.5°	4383.5	4305.9	4069.8	4086.3	4391.8	4604.8	3662.0
80°	3581.1	2899.2	2592.1	2600.4	3133.7	3354.9	2332.9
82.5°	3407.8	2742.4	2233.9	1951.5	2280.1	2195.9	1218.5
85°	2427.0	2432.0	2017.6	1639.5	1588.3	1350.6	759.5
87.5°	574.6	460.6	328.6	244.4	257.6	170.1	85.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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