

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: P153544

Luminaire Tested: **TLM-F06-LED-E1-SLR-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P153544
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-7030
Description: TALON MEDIUM LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12587.7 lumens
Efficiency: N/A
Efficacy: 80.4 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

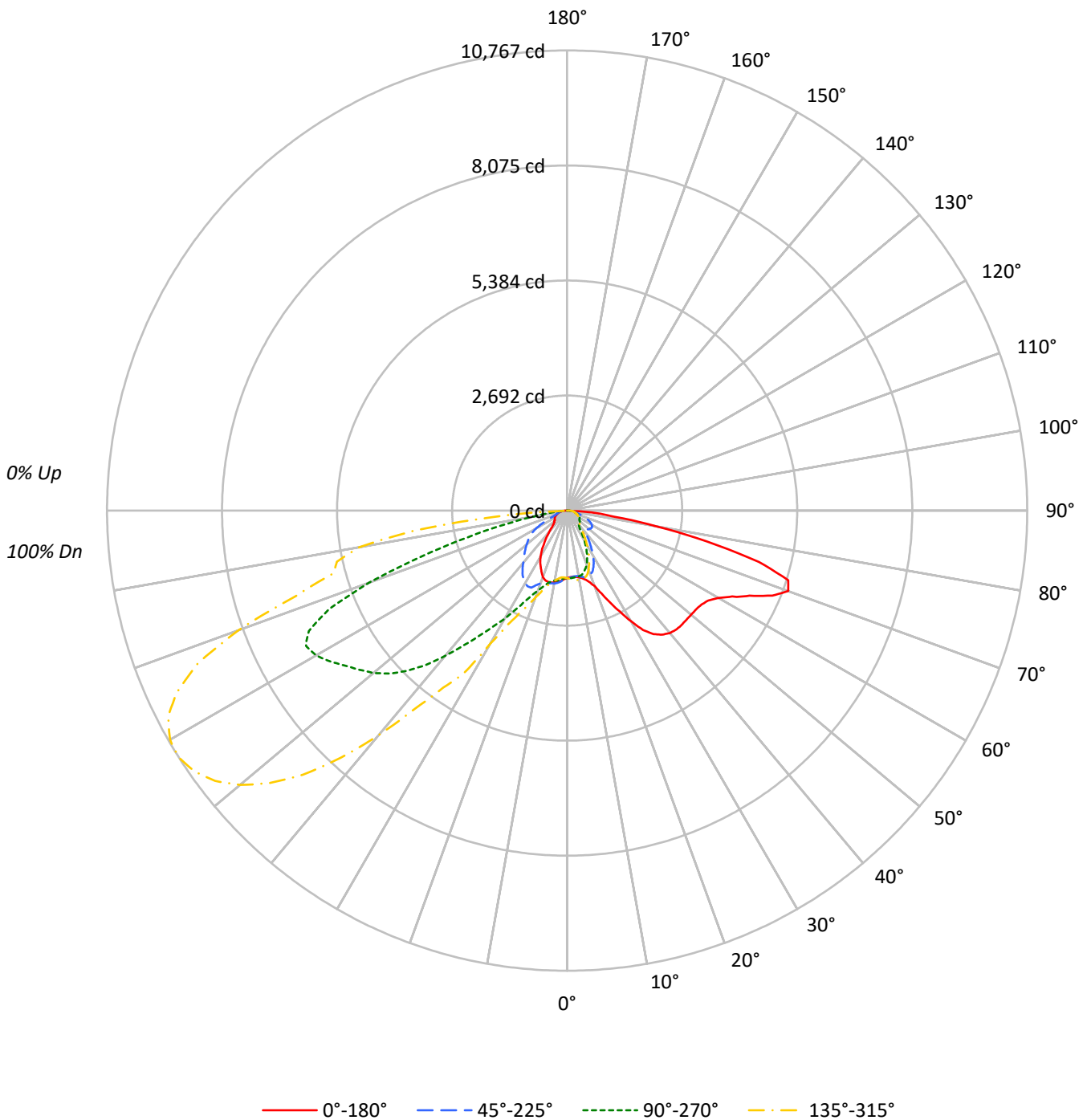
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	17027	17027	17027	17027
5°	16734	17027	17841	17467
10°	17307	17092	18641	18163
15°	18670	16636	19275	19627
20°	21575	15339	19001	22783
25°	28244	12949	17336	27903
30°	37224	10028	15463	36211
35°	46368	6857	12385	46864
40°	52549	5997	9069	62317
45°	57617	6290	6818	80711
50°	63434	6439	6516	98938
55°	71909	6594	6651	118716
60°	87943	7240	7240	145989
65°	119947	7529	7643	169877
70°	173226	7972	8069	154620
75°	193225	8405	8904	100091
80°	132082	9069	10191	48610
85°	85673	11177	12288	23651



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.0	1.2
10°-20°	479.6	3.8
20°-30°	852.0	6.8
30°-40°	1341.7	10.7
40°-50°	1974.5	15.7
50°-60°	2622.8	20.8
60°-70°	2889.0	23.0
70°-80°	1812.5	14.4
80°-90°	461.6	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°	1485.6	11.8
0°-40°	2827.3	22.5
0°-60°	7424.6	59.0
0°-90°	12587.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12587.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1582	1582	1582	1582	1582	
5°	1549	1576	1651	1617	1549	149
15°	1675	1493	1730	1761	1675	485
25°	2378	1090	1460	2349	2378	1122
35°	3529	522	942	3566	3529	2187
45°	3785	413	448	5302	3785	2926
55°	3832	351	354	6326	3832	3476
65°	4709	296	300	6670	4709	4741
75°	4646	202	214	2407	4646	4544
85°	694	90	100	192	694	802
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°	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9
2.5°	1560.8	1565.3	1563.8	1563.8	1566.8	1565.3	1565.3	1566.8	1566.8	1571.3	1577.4
5°	1548.7	1547.2	1544.2	1547.2	1547.2	1547.2	1541.2	1545.7	1547.2	1550.2	1550.2
7.5°	1563.8	1559.3	1553.2	1554.7	1554.7	1551.7	1547.2	1548.7	1547.2	1547.2	1545.7
10°	1583.4	1572.8	1565.3	1565.3	1565.3	1562.3	1554.7	1559.3	1559.3	1557.8	1559.3
12.5°	1618.1	1606.0	1597.0	1593.9	1593.9	1589.4	1583.4	1589.4	1586.4	1586.4	1583.4
15°	1675.4	1661.8	1651.2	1642.2	1643.7	1643.7	1636.2	1631.6	1625.6	1618.1	1603.0
17.5°	1761.3	1746.2	1732.7	1725.1	1726.6	1716.1	1695.0	1673.9	1645.2	1616.6	1584.9
20°	1883.5	1879.0	1860.9	1853.3	1835.2	1809.6	1750.8	1701.0	1645.2	1590.9	1536.6
22.5°	2094.6	2073.5	2055.4	2026.7	1966.4	1895.5	1797.5	1710.1	1622.6	1545.7	1473.3
25°	2378.1	2340.4	2251.4	2164.0	2040.3	1913.6	1780.9	1667.8	1559.3	1458.2	1369.3
27.5°	2657.1	2542.5	2384.1	2225.8	2044.8	1879.0	1713.1	1578.9	1452.2	1342.1	1244.1
30°	2994.9	2801.8	2559.1	2308.7	2052.4	1829.2	1630.1	1473.3	1327.0	1210.9	1108.4
32.5°	3311.5	3032.6	2714.4	2385.6	2069.0	1782.4	1535.1	1357.2	1206.4	1060.1	959.1
35°	3528.7	3166.8	2780.7	2393.2	2028.2	1693.5	1416.0	1206.4	1055.6	919.9	800.7
37.5°	3658.4	3225.6	2783.7	2338.9	1933.2	1572.8	1265.2	1057.1	918.4	788.7	695.2
40°	3739.8	3239.2	2744.5	2260.5	1812.6	1420.5	1114.4	927.4	800.7	696.7	624.3
42.5°	3779.0	3218.0	2681.2	2160.9	1690.5	1284.8	1008.8	832.4	722.3	648.4	594.1
45°	3785.0	3180.3	2613.3	2070.5	1581.9	1186.8	936.5	793.2	702.7	640.9	586.6
47.5°	3785.0	3147.2	2559.1	2004.1	1511.0	1144.6	930.4	809.8	720.8	651.5	586.6
50°	3788.1	3136.6	2536.4	1970.9	1486.9	1167.2	981.7	861.1	760.0	669.5	585.1
52.5°	3801.6	3150.2	2554.5	1996.6	1530.6	1257.7	1078.2	938.0	811.3	690.7	585.1
55°	3831.8	3195.4	2631.4	2085.5	1648.2	1394.9	1194.3	1020.9	852.0	699.7	576.1
57.5°	3916.2	3310.0	2771.7	2257.5	1848.8	1553.2	1299.9	1079.7	867.1	692.2	558.0
60°	4085.1	3537.7	3011.4	2498.7	2061.4	1688.9	1361.7	1088.8	853.5	668.0	529.3
62.5°	4355.1	3798.6	3302.5	2761.1	2249.9	1764.3	1369.3	1066.1	817.3	624.3	487.1
63°	4448.6	3863.5	3364.3	2810.9	2274.0	1770.4	1363.2	1057.1	808.3	612.2	481.0
65°	4709.4	4136.4	3578.5	2985.8	2341.9	1771.9	1330.0	1011.9	766.1	565.5	438.8
67.5°	5196.5	4495.3	3848.4	3123.0	2366.0	1723.6	1245.6	927.4	677.1	493.1	386.0
70°	5504.2	4695.9	3952.4	3126.1	2295.2	1586.4	1099.3	790.2	564.0	408.7	331.8
72.5°	5424.2	4498.3	3678.0	2844.1	1989.0	1325.5	883.7	621.3	440.3	327.2	276.0
75°	4646.1	3744.3	3000.9	2203.2	1503.5	974.2	646.9	443.3	325.7	256.4	230.7
77.5°	3344.7	2694.8	2151.9	1569.8	1013.4	630.3	429.8	316.7	247.3	211.1	190.0
80°	2130.8	1580.4	1316.5	944.0	592.6	390.6	295.6	239.8	203.6	176.4	162.9
82.5°	1112.9	779.6	633.4	482.6	328.7	257.9	217.2	196.0	167.4	146.3	138.7
85°	693.7	459.9	340.8	238.3	164.4	147.8	135.7	132.7	119.1	105.6	101.0
87.5°	78.4	70.9	73.9	46.7	34.7	37.7	36.2	48.3	46.7	34.7	36.2
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°	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9
2.5°	1571.3	1574.3	1574.3	1578.9	1578.9	1581.9	1584.9	1584.9	1587.9	1589.4	1592.4
5°	1553.2	1553.2	1553.2	1559.3	1560.8	1569.8	1572.8	1575.8	1578.9	1589.4	1595.5
7.5°	1548.7	1542.7	1545.7	1545.7	1550.2	1557.8	1565.3	1569.8	1574.3	1587.9	1597.0
10°	1557.8	1553.2	1548.7	1548.7	1550.2	1553.2	1559.3	1563.8	1566.8	1580.4	1587.9
12.5°	1581.9	1571.3	1562.3	1554.7	1548.7	1547.2	1544.2	1545.7	1548.7	1556.2	1566.8
15°	1586.4	1566.8	1547.2	1527.6	1512.5	1503.5	1495.9	1492.9	1492.9	1497.4	1509.5
17.5°	1556.2	1523.1	1494.4	1468.8	1452.2	1435.6	1428.1	1422.0	1419.0	1425.0	1426.6
20°	1491.4	1452.2	1413.0	1382.8	1352.7	1348.1	1336.1	1339.1	1342.1	1351.2	1355.7
22.5°	1402.4	1355.7	1307.4	1275.8	1251.6	1230.5	1216.9	1223.0	1227.5	1236.5	1241.1
25°	1293.9	1226.0	1174.7	1143.1	1117.4	1099.3	1084.2	1090.3	1084.2	1094.8	1111.4
27.5°	1165.7	1085.8	1031.5	995.3	977.2	962.1	947.0	947.0	962.1	962.1	975.7
30°	1010.4	951.5	880.7	843.0	820.3	811.3	809.8	806.8	817.3	823.4	838.4
32.5°	864.1	791.7	723.8	687.6	668.0	657.5	659.0	660.5	665.0	674.1	698.2
35°	716.3	653.0	604.7	564.0	544.4	524.8	524.8	521.8	526.3	536.8	565.5
37.5°	621.3	565.5	527.8	496.1	476.5	464.5	453.9	449.4	449.4	453.9	464.5
40°	568.5	527.8	493.1	466.0	447.9	437.3	431.3	426.8	423.7	423.7	425.3
42.5°	544.4	502.2	467.5	443.3	429.8	423.7	422.2	420.7	416.2	414.7	413.2
45°	532.3	484.1	444.9	425.3	414.7	411.7	413.2	413.2	411.7	408.7	402.6
47.5°	523.3	467.5	428.3	410.2	405.6	405.6	405.6	405.6	404.1	402.6	398.1
50°	508.2	441.8	399.6	386.0	383.0	383.0	384.5	384.5	387.6	384.5	381.5
52.5°	491.6	417.7	375.5	363.4	361.9	360.4	360.4	360.4	361.9	361.9	360.4
55°	473.5	399.6	363.4	354.4	355.9	354.4	352.9	351.4	351.4	349.9	346.8
57.5°	455.4	384.5	354.4	348.3	349.9	349.9	346.8	343.8	342.3	337.8	334.8
60°	428.3	363.4	336.3	333.3	337.8	337.8	337.8	336.3	336.3	334.8	327.2
62.5°	392.1	333.3	312.2	313.7	315.2	318.2	318.2	318.2	318.2	315.2	307.6
63°	384.5	327.2	307.6	307.6	312.2	312.2	313.7	312.2	313.7	310.6	301.6
65°	354.4	307.6	292.5	294.1	297.1	297.1	297.1	295.6	295.6	291.0	286.5
67.5°	319.7	283.5	274.5	276.0	277.5	280.5	279.0	279.0	280.5	277.5	272.9
70°	280.5	257.9	251.8	253.3	254.8	254.8	253.3	253.3	254.8	251.8	247.3
72.5°	250.3	241.3	236.8	236.8	233.7	233.7	230.7	229.2	227.7	227.7	223.2
75°	211.1	209.6	211.1	214.1	211.1	208.1	206.6	202.1	199.1	199.1	197.5
77.5°	181.0	181.0	184.0	188.5	190.0	190.0	185.5	177.9	176.4	176.4	176.4
80°	156.8	153.8	153.8	158.3	162.9	161.4	153.8	146.3	146.3	153.8	155.3
82.5°	137.2	137.2	132.7	134.2	132.7	131.2	123.7	119.1	117.6	123.7	129.7
85°	108.6	110.1	108.6	107.1	105.6	101.0	95.0	90.5	89.0	95.0	104.1
87.5°	43.7	42.2	40.7	42.2	40.7	43.7	42.2	39.2	37.7	42.2	51.3
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9
2.5°	1593.9	1597.0	1600.0	1600.0	1603.0	1601.5	1603.0	1604.5	1604.5	1606.0	1606.0
5°	1603.0	1607.5	1613.5	1619.6	1621.1	1625.6	1630.1	1627.1	1631.6	1637.7	1637.7
7.5°	1606.0	1616.6	1621.1	1630.1	1631.6	1637.7	1648.2	1640.7	1649.7	1654.3	1655.8
10°	1601.5	1612.0	1619.6	1630.1	1634.7	1645.2	1655.8	1652.8	1663.3	1670.8	1672.4
12.5°	1574.3	1584.9	1601.5	1616.6	1628.6	1645.2	1664.8	1658.8	1673.9	1682.9	1687.4
15°	1521.6	1532.1	1550.2	1574.3	1597.0	1622.6	1648.2	1652.8	1667.8	1678.4	1682.9
17.5°	1438.6	1452.2	1471.8	1497.4	1526.1	1569.8	1603.0	1619.6	1640.7	1646.7	1654.3
20°	1361.7	1375.3	1387.3	1402.4	1423.5	1465.8	1509.5	1542.7	1569.8	1592.4	1598.5
22.5°	1259.2	1271.2	1286.3	1298.4	1313.5	1343.6	1379.8	1417.5	1459.7	1473.3	1488.4
25°	1135.5	1143.1	1164.2	1171.7	1182.3	1207.9	1236.5	1263.7	1304.4	1333.1	1340.6
27.5°	1002.8	1010.4	1030.0	1034.5	1048.1	1072.2	1093.3	1103.8	1141.5	1171.7	1195.8
30°	849.0	868.6	892.7	895.7	910.8	925.9	945.5	956.1	990.7	1022.4	1052.6
32.5°	716.3	735.9	755.5	767.6	775.1	787.2	806.8	817.3	850.5	879.2	909.3
35°	580.6	604.7	625.8	642.4	648.4	663.5	678.6	689.2	723.8	749.5	770.6
37.5°	478.0	496.1	518.7	535.3	551.9	562.5	580.6	595.7	616.8	630.3	653.0
40°	428.3	437.3	449.4	463.0	476.5	488.6	502.2	514.2	527.8	545.9	561.0
42.5°	411.7	413.2	413.2	417.7	425.3	431.3	443.3	452.4	461.4	475.0	482.6
45°	399.6	398.1	395.1	392.1	393.6	396.6	404.1	410.2	420.7	426.8	428.3
47.5°	393.6	387.6	381.5	377.0	375.5	377.0	383.0	389.1	395.1	399.6	401.1
50°	374.0	369.5	360.4	354.4	351.4	354.4	361.9	364.9	371.0	375.5	377.0
52.5°	354.4	348.3	342.3	336.3	336.3	337.8	343.8	349.9	355.9	357.4	360.4
55°	342.3	333.3	327.2	322.7	319.7	324.2	328.7	336.3	343.8	345.3	348.3
57.5°	330.2	321.2	315.2	310.6	307.6	312.2	316.7	327.2	336.3	336.3	336.3
60°	322.7	315.2	306.1	301.6	297.1	301.6	307.6	318.2	327.2	325.7	324.2
62.5°	301.6	294.1	289.5	289.5	285.0	292.5	298.6	310.6	312.2	309.1	306.1
63°	295.6	289.5	286.5	286.5	283.5	291.0	297.1	307.6	307.6	304.6	301.6
65°	280.5	276.0	272.9	276.0	276.0	283.5	285.0	292.5	291.0	286.5	285.0
67.5°	268.4	265.4	262.4	262.4	262.4	263.9	265.4	268.4	266.9	265.4	266.9
70°	248.8	247.3	244.3	244.3	242.8	242.8	242.8	244.3	244.3	245.8	247.3
72.5°	224.7	221.7	221.7	223.2	220.2	221.7	223.2	221.7	224.7	224.7	226.2
75°	197.5	196.0	199.1	202.1	200.6	200.6	202.1	202.1	203.6	203.6	205.1
77.5°	176.4	177.9	179.5	182.5	184.0	184.0	184.0	182.5	184.0	184.0	185.5
80°	156.8	159.8	162.9	165.9	167.4	167.4	167.4	165.9	165.9	165.9	165.9
82.5°	141.8	146.3	149.3	150.8	150.8	150.8	150.8	150.8	150.8	147.8	144.8
85°	119.1	128.2	128.2	129.7	125.2	122.1	119.1	120.6	122.1	116.1	114.6
87.5°	60.3	60.3	63.3	66.4	67.9	67.9	76.9	72.4	70.9	69.4	66.4
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: P153544

CATALOG NUMBER: TLM-F06-LED-E1-SLR-7030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9
2.5°	1607.5	1606.0	1609.0	1606.0	1607.5	1609.0	1606.0	1610.5	1613.5	1609.0	1604.5
5°	1640.7	1640.7	1648.2	1651.2	1652.8	1661.8	1657.3	1660.3	1663.3	1661.8	1663.3
7.5°	1661.8	1667.8	1675.4	1682.9	1684.4	1692.0	1690.5	1695.0	1698.0	1705.5	1705.5
10°	1679.9	1687.4	1698.0	1705.5	1713.1	1719.1	1722.1	1731.2	1732.7	1738.7	1738.7
12.5°	1696.5	1705.5	1716.1	1728.2	1735.7	1747.8	1749.3	1762.8	1767.4	1768.9	1764.3
15°	1693.5	1704.0	1716.1	1729.7	1743.2	1758.3	1767.4	1780.9	1788.5	1791.5	1783.9
17.5°	1664.8	1673.9	1688.9	1707.0	1723.6	1743.2	1759.8	1779.4	1791.5	1794.5	1793.0
20°	1609.0	1615.1	1634.7	1658.8	1678.4	1708.5	1732.7	1762.8	1782.4	1797.5	1802.0
22.5°	1498.9	1514.0	1533.6	1560.8	1589.4	1627.1	1661.8	1705.5	1747.8	1783.9	1820.1
25°	1366.2	1393.4	1423.5	1459.7	1494.4	1533.6	1572.8	1622.6	1684.4	1759.8	1845.8
27.5°	1232.0	1278.8	1316.5	1363.2	1403.9	1443.1	1486.9	1541.2	1609.0	1699.5	1809.6
30°	1096.3	1149.1	1189.8	1244.1	1298.4	1351.2	1394.9	1452.2	1518.5	1610.5	1731.2
32.5°	951.5	1004.3	1052.6	1102.3	1162.7	1226.0	1278.8	1349.6	1420.5	1515.5	1637.7
35°	802.2	849.0	889.7	942.5	1008.8	1076.7	1146.1	1227.5	1304.4	1403.9	1533.6
37.5°	672.6	705.7	744.9	791.7	843.0	915.3	993.8	1090.3	1177.7	1286.3	1419.0
40°	565.5	583.6	606.2	645.4	692.2	763.0	839.9	942.5	1048.1	1167.2	1295.4
42.5°	482.6	491.6	497.6	523.3	561.0	630.3	704.2	803.8	919.9	1049.6	1179.2
45°	428.3	432.8	434.3	447.9	475.0	535.3	612.2	696.7	808.3	935.0	1070.7
47.5°	402.6	407.2	410.2	413.2	429.8	476.5	545.9	625.8	728.4	844.5	983.2
50°	381.5	386.0	390.6	389.1	396.6	426.8	485.6	559.5	656.0	763.0	900.3
52.5°	360.4	363.4	363.4	363.4	367.9	387.6	429.8	497.6	586.6	687.6	823.4
55°	348.3	351.4	352.9	354.4	355.9	366.4	398.1	452.4	529.3	622.8	744.9
57.5°	336.3	337.8	340.8	342.3	345.3	351.4	371.0	410.2	475.0	553.4	656.0
60°	325.7	328.7	334.8	336.3	339.3	340.8	349.9	374.0	416.2	476.5	559.5
62.5°	309.1	313.7	319.7	321.2	324.2	325.7	327.2	340.8	360.4	396.6	458.4
63°	304.6	309.1	316.7	318.2	319.7	319.7	321.2	330.2	348.3	380.0	425.3
65°	288.0	294.1	298.6	300.1	301.6	301.6	300.1	303.1	304.6	318.2	345.3
67.5°	269.9	274.5	277.5	279.0	277.5	279.0	277.5	274.5	271.4	274.5	286.5
70°	251.8	254.8	254.8	256.4	257.9	259.4	256.4	253.3	250.3	248.8	256.4
72.5°	230.7	233.7	233.7	235.2	235.2	238.3	238.3	236.8	236.8	238.3	239.8
75°	209.6	212.6	211.1	214.1	214.1	218.7	218.7	220.2	223.2	221.7	220.2
77.5°	190.0	191.5	191.5	193.0	194.5	202.1	206.6	208.1	208.1	205.1	202.1
80°	168.9	168.9	165.9	164.4	165.9	173.4	182.5	184.0	188.5	187.0	188.5
82.5°	141.8	135.7	131.2	131.2	134.2	138.7	141.8	144.8	147.8	147.8	150.8
85°	108.6	102.5	98.0	99.5	104.1	105.6	104.1	104.1	110.1	114.6	110.1
87.5°	64.8	58.8	55.8	51.3	52.8	57.3	55.8	51.3	52.8	42.2	39.2
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: P153544

CATALOG NUMBER: TLM-F06-LED-E1-SLR-7030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9
2.5°	1607.5	1606.0	1603.0	1598.5	1597.0	1593.9	1595.5	1590.9	1587.9	1584.9	1580.4
5°	1663.3	1663.3	1654.3	1654.3	1649.7	1648.2	1637.7	1633.1	1624.1	1627.1	1616.6
7.5°	1702.5	1707.0	1696.5	1695.0	1688.9	1687.4	1673.9	1669.3	1661.8	1658.8	1649.7
10°	1731.2	1731.2	1717.6	1707.0	1699.5	1692.0	1678.4	1672.4	1666.3	1667.8	1661.8
12.5°	1753.8	1743.2	1723.6	1708.5	1698.0	1690.5	1679.9	1675.4	1673.9	1684.4	1685.9
15°	1771.9	1756.8	1732.7	1722.1	1713.1	1711.6	1711.6	1716.1	1726.6	1746.2	1761.3
17.5°	1782.4	1773.4	1761.3	1758.3	1773.4	1782.4	1794.5	1808.1	1823.2	1850.3	1866.9
20°	1802.0	1808.1	1817.1	1829.2	1853.3	1875.9	1891.0	1910.6	1928.7	1961.9	1989.0
22.5°	1853.3	1888.0	1916.7	1940.8	1977.0	2008.6	2028.2	2055.4	2069.0	2091.6	2133.8
25°	1919.7	1990.5	2050.9	2102.1	2157.9	2191.1	2218.2	2252.9	2274.0	2311.7	2349.4
27.5°	1900.1	2001.1	2091.6	2186.6	2263.5	2349.4	2409.8	2467.1	2503.3	2559.1	2608.8
30°	1839.7	1960.4	2082.5	2207.7	2329.8	2453.5	2568.1	2672.2	2752.1	2832.0	2913.4
32.5°	1758.3	1897.0	2046.3	2200.2	2360.0	2531.9	2690.2	2847.1	2979.8	3095.9	3209.0
35°	1664.8	1821.6	1977.0	2167.0	2364.5	2583.2	2803.3	3020.5	3222.6	3427.7	3566.4
37.5°	1553.2	1713.1	1886.5	2105.1	2337.4	2607.3	2887.8	3171.3	3457.8	3733.8	3973.5
40°	1434.1	1597.0	1779.4	2016.2	2278.6	2592.2	2942.1	3323.6	3717.2	4116.8	4435.0
42.5°	1328.5	1495.9	1695.0	1934.7	2219.8	2572.6	2985.8	3454.8	3935.8	4430.5	4897.9
45°	1226.0	1410.0	1619.6	1877.4	2194.1	2587.7	3050.7	3576.9	4131.9	4732.1	5302.1
47.5°	1134.0	1321.0	1524.6	1806.6	2156.4	2595.2	3114.0	3699.1	4317.4	4967.3	5644.4
50°	1051.1	1232.0	1432.6	1716.1	2097.6	2590.7	3171.3	3809.2	4477.2	5152.8	5908.3
52.5°	969.6	1153.6	1358.7	1628.6	2025.2	2565.1	3198.4	3899.7	4625.0	5339.8	6120.9
55°	889.7	1070.7	1277.3	1545.7	1930.2	2498.7	3195.4	3958.5	4742.6	5516.2	6326.0
57.5°	796.2	968.1	1170.2	1453.7	1829.2	2396.2	3150.2	3985.6	4843.7	5691.1	6571.8
60°	680.1	841.5	1036.0	1319.5	1696.5	2265.0	3055.2	3970.5	4902.5	5820.8	6781.4
62.5°	536.8	677.1	855.0	1132.5	1530.6	2076.5	2877.2	3833.3	4809.0	5802.7	6879.4
63°	506.7	639.4	812.8	1087.3	1459.7	2025.2	2824.5	3779.0	4763.7	5765.0	6865.9
65°	407.2	493.1	631.8	877.6	1221.5	1773.4	2562.1	3500.0	4520.9	5499.6	6669.8
67.5°	312.2	355.9	429.8	601.7	864.1	1394.9	2075.0	2966.2	3923.8	4843.7	6038.0
70°	266.9	286.5	318.2	399.6	548.9	880.7	1456.7	2212.2	3041.6	3839.3	4913.0
72.5°	242.8	251.8	268.4	303.1	377.0	527.8	928.9	1440.1	2069.0	2737.0	3566.4
75°	223.2	230.7	244.3	262.4	289.5	351.4	529.3	880.7	1345.1	1797.5	2406.7
77.5°	203.6	208.1	223.2	239.8	257.9	289.5	349.9	506.7	773.6	1060.1	1450.7
80°	187.0	184.0	194.5	221.7	239.8	257.9	276.0	328.7	440.3	580.6	784.2
82.5°	149.3	152.3	161.4	188.5	196.0	191.5	194.5	203.6	245.8	268.4	401.1
85°	101.0	93.5	92.0	95.0	95.0	90.5	90.5	89.0	98.0	111.6	191.5
87.5°	27.1	13.6	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: P153544

CATALOG NUMBER: TLM-F06-LED-E1-SLR-7030

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9
2.5°	1577.4	1575.8	1577.4	1569.8	1569.8	1568.3	1566.8	1563.8	1563.8	1557.8	1562.3
5°	1607.5	1604.5	1598.5	1589.4	1584.9	1578.9	1578.9	1572.8	1568.3	1562.3	1563.8
7.5°	1642.2	1643.7	1633.1	1625.6	1622.6	1616.6	1618.1	1609.0	1610.5	1606.0	1603.0
10°	1661.8	1661.8	1664.8	1663.3	1666.3	1666.3	1670.8	1664.8	1661.8	1657.3	1657.3
12.5°	1693.5	1699.5	1711.6	1711.6	1720.6	1723.6	1725.1	1728.2	1722.1	1719.1	1708.5
15°	1771.9	1787.0	1797.5	1812.6	1830.7	1836.7	1836.7	1830.7	1827.7	1823.2	1803.6
17.5°	1901.6	1934.7	1943.8	1967.9	1970.9	1978.5	1999.6	1987.5	1980.0	1948.3	1942.3
20°	2034.3	2076.5	2118.7	2148.9	2164.0	2194.1	2198.6	2192.6	2162.5	2132.3	2118.7
22.5°	2194.1	2257.5	2305.7	2352.5	2375.1	2390.2	2423.3	2415.8	2391.7	2346.4	2328.3
25°	2420.3	2498.7	2550.0	2607.3	2637.5	2652.5	2685.7	2685.7	2660.1	2646.5	2645.0
27.5°	2705.3	2801.8	2886.3	2905.9	2984.3	3002.4	3034.1	3034.1	3009.9	2993.4	3073.3
30°	3022.0	3123.0	3269.3	3367.3	3462.3	3555.8	3554.3	3560.4	3589.0	3604.1	3638.8
32.5°	3338.7	3463.8	3619.2	3831.8	4035.4	4208.8	4433.5	4576.7	4533.0	4410.9	4362.6
35°	3723.2	3862.0	4050.5	4264.6	4637.1	4861.7	4970.3	5047.2	5056.3	5072.9	5107.6
37.5°	4151.5	4383.7	4602.4	4845.2	5051.8	5324.7	5576.5	5778.6	5825.4	5920.4	5866.1
40°	4692.9	4952.2	5181.4	5495.1	5772.6	6101.3	6461.7	6739.2	6850.8	6814.6	6543.2
42.5°	5259.9	5581.1	5849.5	6218.9	6579.3	7013.6	7386.1	7773.7	7843.0	7564.1	7158.4
45°	5781.6	6179.7	6513.0	6897.5	7337.9	7858.1	8355.8	8753.9	8740.3	8262.3	7719.4
47.5°	6250.6	6739.2	7146.4	7647.0	8120.5	8740.3	9311.8	9605.9	9432.5	8867.0	8201.9
50°	6638.2	7247.4	7749.5	8256.2	8857.9	9604.4	10154.8	10320.7	9985.9	9370.6	8670.9
52.5°	6950.3	7714.9	8278.8	8862.4	9622.5	10408.1	10881.6	10819.8	10387.0	9755.2	9058.5
55°	7214.2	8072.3	8744.8	9434.0	10376.5	11100.3	11415.5	11249.6	10644.9	10004.0	9323.9
57.5°	7487.2	8419.1	9173.1	9972.3	11021.9	11643.2	11818.1	11477.3	10767.0	10099.0	9438.5
60°	7760.1	8708.6	9551.6	10442.8	11510.5	12086.5	12038.3	11528.6	10730.8	10029.6	9361.6
62.5°	7944.1	8880.5	9771.8	10732.3	11876.9	12312.7	12017.1	11346.1	10521.2	9756.7	9132.4
63°	7948.6	8886.6	9785.3	10751.9	11917.6	12320.3	11976.4	11281.3	10454.9	9700.9	9064.5
65°	7853.6	8773.5	9664.7	10663.0	11882.9	12146.8	11625.1	10898.2	10076.4	9314.8	8711.6
67.5°	7368.0	8306.0	9093.2	10034.1	11261.6	11337.0	10684.1	10097.5	9358.6	8569.9	7939.6
70°	6389.3	7169.0	7941.1	8726.7	9756.7	9743.1	9129.4	8830.8	8183.8	7285.1	6779.9
72.5°	5081.9	5781.6	6324.5	6850.8	7529.4	7392.2	6997.1	7080.0	6660.8	5989.7	5689.6
75°	3773.0	4542.1	4807.5	5021.6	5308.1	5309.6	5418.2	5653.4	5647.4	5274.9	4896.4
77.5°	2474.6	3316.1	3405.0	3576.9	3920.8	4388.2	4870.8	5389.5	5519.2	5225.2	4665.7
80°	1379.8	2254.4	2151.9	2299.7	2670.6	3305.5	4017.3	4590.3	4928.1	4763.7	4171.1
82.5°	705.7	1299.9	1242.6	1447.7	1747.8	2299.7	2770.2	3210.5	3608.6	3586.0	3361.3
85°	366.4	711.8	809.8	916.9	1067.7	1265.2	1443.1	1571.3	1737.2	2029.8	2129.3
87.5°	0.0	0.0	0.0	0.0	0.0	1.5	0.0	108.6	78.4	215.6	307.6
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: P153544

CATALOG NUMBER: TLM-F06-LED-E1-SLR-7030

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9	1581.9
2.5°	1563.8	1565.3	1562.3	1562.3	1563.8	1563.8	1560.8
5°	1560.8	1560.8	1557.8	1554.7	1551.7	1551.7	1548.7
7.5°	1595.5	1595.5	1584.9	1580.4	1572.8	1566.8	1563.8
10°	1646.7	1637.7	1625.6	1616.6	1604.5	1590.9	1583.4
12.5°	1698.0	1684.4	1669.3	1655.8	1640.7	1625.6	1618.1
15°	1782.4	1764.3	1744.7	1728.2	1707.0	1684.4	1675.4
17.5°	1912.1	1883.5	1857.8	1833.7	1796.0	1779.4	1761.3
20°	2084.0	2041.8	2008.6	1967.9	1921.2	1906.1	1883.5
22.5°	2292.1	2255.9	2189.6	2159.4	2112.7	2090.1	2094.6
25°	2608.8	2562.1	2485.2	2456.5	2452.0	2402.2	2378.1
27.5°	3022.0	3025.0	2954.1	2877.2	2835.0	2756.6	2657.1
30°	3610.1	3569.4	3486.5	3408.1	3308.5	3160.7	2994.9
32.5°	4321.9	4231.4	4094.2	3947.9	3771.5	3543.8	3311.5
35°	5017.1	4858.7	4640.1	4395.8	4140.9	3857.4	3528.7
37.5°	5627.8	5382.0	5054.8	4774.3	4413.9	4059.5	3658.4
40°	6185.8	5881.1	5458.9	5095.5	4670.2	4214.8	3739.8
42.5°	6725.6	6339.6	5822.3	5330.7	4849.7	4318.9	3779.0
45°	7239.8	6742.2	6128.5	5543.4	4980.9	4386.7	3785.0
47.5°	7634.9	7092.1	6402.9	5697.2	5071.4	4438.0	3785.0
50°	8001.4	7387.6	6612.5	5817.8	5155.8	4472.7	3788.1
52.5°	8286.4	7595.7	6748.2	5903.8	5222.2	4498.3	3801.6
55°	8493.0	7731.4	6838.7	5956.5	5270.4	4534.5	3831.8
57.5°	8637.7	7820.4	6888.5	6003.3	5329.2	4597.9	3916.2
60°	8707.1	7984.8	6971.4	6096.8	5430.3	4732.1	4085.1
62.5°	8654.3	8239.6	7208.2	6255.1	5570.5	4941.7	4355.1
63°	8631.7	8286.4	7273.0	6289.8	5602.2	4986.9	4448.6
65°	8455.3	8333.1	7539.9	6464.7	5753.0	5187.5	4709.4
67.5°	7907.9	8149.2	7764.6	6760.3	6077.2	5674.6	5196.5
70°	7199.1	7876.2	7723.9	6798.0	6283.8	6074.2	5504.2
72.5°	6350.1	7051.3	6909.6	6295.8	6056.1	6078.7	5424.2
75°	4997.5	5523.8	5430.3	5214.6	5262.9	5428.8	4646.1
77.5°	4003.7	3932.8	3717.2	3732.3	4011.2	4205.8	3344.7
80°	3270.8	2648.0	2367.5	2375.1	2862.2	3064.2	2130.8
82.5°	3112.5	2504.8	2040.3	1782.4	2082.5	2005.6	1112.9
85°	2216.7	2221.3	1842.8	1497.4	1450.7	1233.5	693.7
87.5°	524.8	420.7	300.1	223.2	235.2	155.3	78.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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