

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: P152973

Luminaire Tested: **TLM-F06-LED-E1-SLL-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P152973
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-SLL-8030
Description: TALON MEDIUM LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

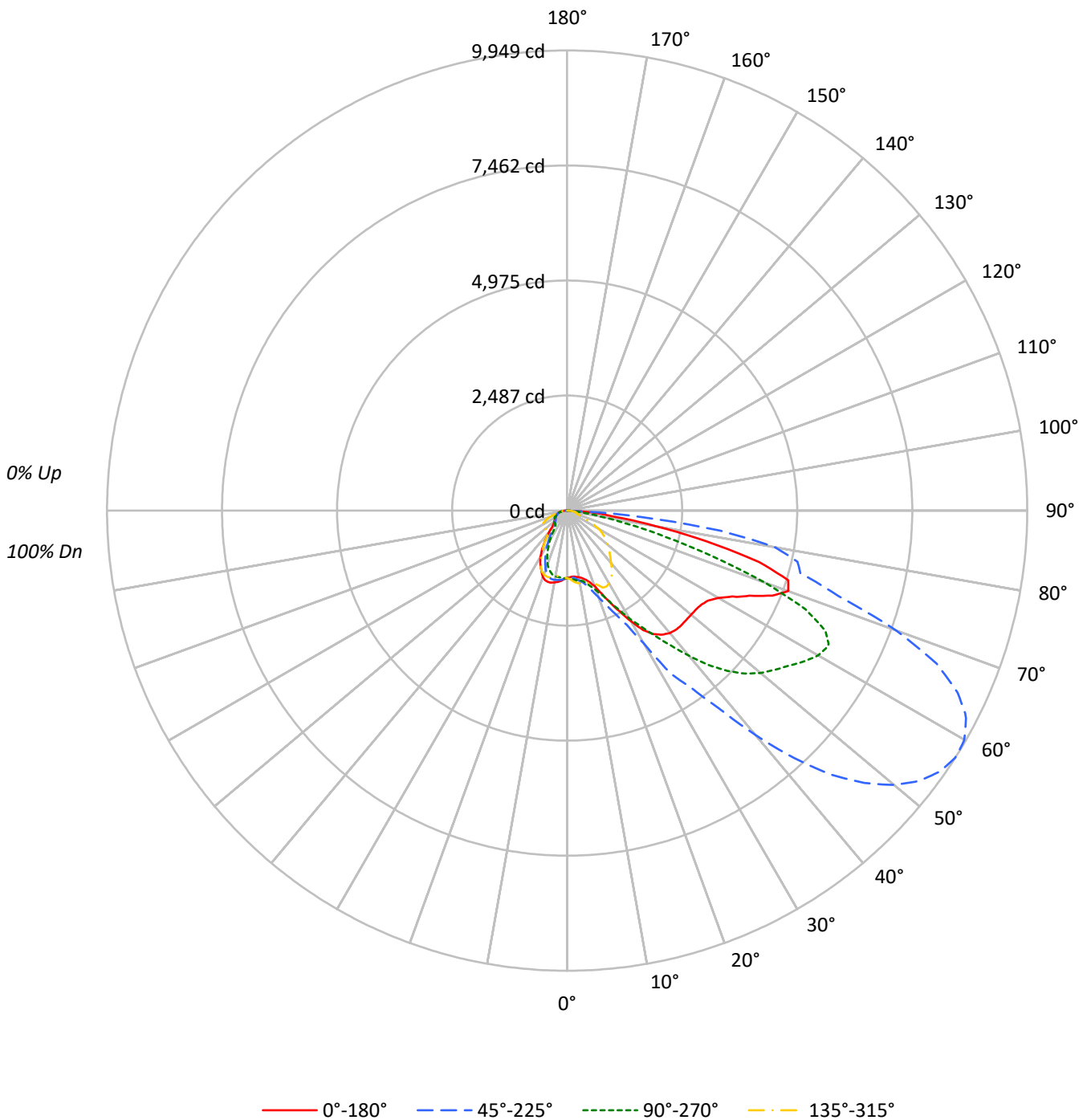
Lumens per Lamp: N/A
Luminaire Lumens: 11631.8 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Spacing Criteria (0/90/45): 1.93 / 2.48 / 2.44
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
CIE Type: Direct

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°	15735	15735	15735	15735
5°	15463	16141	16487	15734
10°	15992	16784	17226	15794
15°	17251	18137	17811	15373
20°	19936	21054	17558	14174
25°	26099	25784	16020	11966
30°	34396	33462	14288	9266
35°	42847	43305	11444	6335
40°	48558	57585	8380	5542
45°	53242	74581	6301	5812
50°	58617	91425	6020	5950
55°	66448	109700	6146	6093
60°	81265	134902	6689	6689
65°	110839	156977	7063	6956
70°	160071	142878	7456	7367
75°	178552	92493	8230	7765
80°	122052	44916	9416	8381
85°	79165	21860	11362	10325



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.3	1.2
10°-20°	443.2	3.8
20°-30°	787.3	6.8
30°-40°	1239.8	10.7
40°-50°	1824.6	15.7
50°-60°	2423.6	20.8
60°-70°	2669.6	23.0
70°-80°	1674.9	14.4
80°-90°	426.6	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°	1372.8	11.8
0°-40°	2612.6	22.5
0°-60°	6860.7	59.0
0°-90°	11631.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11631.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1462	1462	1462	1462	1462	
5°	1431	1494	1526	1456	1431	138
15°	1548	1628	1598	1380	1548	448
25°	2198	2171	1349	1008	2198	1037
35°	3261	3296	871	482	3261	2020
45°	3498	4899	414	382	3498	2704
55°	3541	5846	328	325	3541	3212
65°	4352	6163	277	273	4352	4381
75°	4293	2224	198	187	4293	4199
85°	641	177	92	84	641	741
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°	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8
2.5°	1442.2	1445.0	1445.0	1443.6	1443.6	1446.4	1445.0	1443.6	1439.5	1445.0	1445.0
5°	1431.1	1433.9	1433.9	1436.7	1439.5	1442.2	1442.2	1445.0	1443.6	1449.2	1453.4
7.5°	1445.0	1447.8	1453.4	1460.4	1464.5	1474.3	1474.3	1481.3	1484.0	1488.2	1486.8
10°	1463.1	1470.1	1482.7	1493.8	1502.2	1513.3	1521.7	1531.4	1531.4	1535.6	1538.4
12.5°	1495.2	1502.2	1516.1	1530.0	1542.6	1556.5	1569.0	1578.8	1588.6	1591.3	1596.9
15°	1548.1	1556.5	1577.4	1596.9	1612.2	1630.4	1647.1	1666.6	1684.7	1688.9	1691.7
17.5°	1627.6	1644.3	1659.6	1694.5	1716.8	1740.4	1766.9	1794.8	1800.4	1829.6	1836.6
20°	1740.4	1761.3	1775.3	1818.5	1856.1	1886.8	1925.8	1957.8	1970.4	1998.2	2026.1
22.5°	1935.5	1931.4	1952.3	1995.5	2023.3	2084.6	2118.1	2151.5	2168.2	2210.0	2232.3
25°	2197.5	2219.8	2265.8	2270.0	2296.4	2367.5	2410.7	2444.1	2445.5	2458.1	2481.8
27.5°	2455.3	2547.3	2619.7	2658.7	2729.8	2795.3	2792.5	2839.9	2766.0	2781.4	2803.7
30°	2767.4	2920.7	3057.3	3149.2	3221.7	3298.3	3336.0	3362.4	3330.4	3316.5	3290.0
32.5°	3060.1	3274.7	3485.1	3648.1	3783.3	3910.1	3993.7	4031.3	4075.9	4188.8	4229.2
35°	3260.7	3564.5	3826.5	4062.0	4287.7	4489.8	4636.1	4719.7	4687.6	4672.3	4663.9
37.5°	3380.6	3751.2	4078.7	4411.7	4670.9	4973.3	5200.4	5420.6	5470.8	5383.0	5339.8
40°	3455.8	3894.8	4315.6	4708.5	5044.4	5434.5	5716.0	6046.3	6297.1	6330.5	6227.4
42.5°	3492.0	3990.9	4481.4	4925.9	5380.2	5858.2	6214.9	6614.8	6989.7	7247.4	7183.3
45°	3497.6	4053.6	4602.6	5122.4	5663.1	6230.2	6690.1	7133.2	7634.8	8076.6	8089.1
47.5°	3497.6	4101.0	4686.2	5264.5	5916.7	6553.5	7055.1	7579.1	8193.6	8716.2	8876.4
50°	3500.4	4133.0	4764.3	5376.0	6110.4	6826.6	7393.8	8012.5	8659.0	9227.6	9536.9
52.5°	3512.9	4156.7	4825.6	5455.4	6235.8	7018.9	7657.1	8370.6	9014.4	9598.2	9998.2
55°	3540.8	4190.2	4870.2	5504.2	6319.4	7144.3	7848.0	8615.8	9244.3	9836.5	10395.3
57.5°	3618.8	4248.7	4924.5	5547.4	6365.4	7226.5	7981.8	8721.7	9332.1	9949.4	10605.7
60°	3774.9	4372.7	5017.9	5633.8	6442.0	7378.4	8045.9	8650.7	9268.0	9915.9	10653.1
62.5°	4024.3	4566.4	5147.5	5780.1	6660.8	7613.9	7997.1	8438.9	9015.8	9722.2	10484.5
63°	4110.7	4608.2	5176.7	5812.2	6720.7	7657.1	7976.2	8376.2	8964.2	9660.9	10424.6
65°	4351.8	4793.5	5316.1	5973.8	6967.4	7700.3	7813.2	8050.1	8607.5	9311.2	10070.6
67.5°	4801.9	5243.6	5615.7	6246.9	7175.0	7530.3	7307.4	7336.6	7919.1	8647.9	9330.7
70°	5086.2	5612.9	5806.6	6281.8	7137.4	7278.1	6652.4	6265.0	6731.9	7562.4	8160.2
72.5°	5012.3	5617.1	5596.2	5817.7	6384.9	6515.9	5867.9	5257.6	5534.9	6155.0	6542.3
75°	4293.3	5016.5	4863.2	4818.6	5017.9	5104.3	4618.0	4524.6	4874.4	5218.5	5224.1
77.5°	3090.7	3886.4	3706.6	3448.8	3434.9	3634.2	3699.7	4311.4	4828.4	5100.1	4980.3
80°	1969.0	2831.5	2644.8	2194.7	2187.7	2446.9	3022.4	3854.3	4402.0	4553.9	4241.7
82.5°	1028.4	1853.3	1924.4	1647.1	1885.4	2314.6	2876.1	3106.0	3313.7	3334.6	2966.7
85°	641.0	1139.9	1340.5	1383.7	1702.8	2052.6	2048.4	1967.6	1875.6	1605.3	1452.0
87.5°	72.5	143.5	217.4	206.2	277.3	388.8	484.9	284.3	199.3	72.5	100.3
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°	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8
2.5°	1447.8	1449.2	1450.6	1450.6	1457.6	1456.2	1457.6	1460.4	1464.5	1467.3	1470.1
5°	1459.0	1459.0	1464.5	1468.7	1477.1	1482.7	1485.4	1493.8	1503.6	1500.8	1509.1
7.5°	1495.2	1493.8	1499.4	1502.2	1509.1	1518.9	1517.5	1524.5	1532.8	1535.6	1542.6
10°	1544.0	1539.8	1539.8	1537.0	1538.4	1535.6	1535.6	1535.6	1541.2	1539.8	1545.4
12.5°	1594.1	1592.7	1590.0	1581.6	1581.6	1570.4	1564.9	1557.9	1556.5	1546.8	1548.1
15°	1697.2	1697.2	1691.7	1675.0	1661.0	1651.3	1637.3	1627.6	1613.6	1595.5	1585.8
17.5°	1847.7	1828.2	1821.3	1818.5	1796.2	1787.8	1757.2	1725.1	1709.8	1684.7	1670.8
20°	2031.7	2027.5	1999.6	1985.7	1957.8	1918.8	1879.8	1838.0	1812.9	1782.2	1765.5
22.5°	2239.3	2208.7	2194.7	2173.8	2130.6	2086.0	2027.5	1971.8	1932.7	1911.8	1899.3
25°	2481.8	2451.1	2437.2	2409.3	2356.4	2309.0	2236.5	2171.0	2136.2	2101.4	2081.8
27.5°	2803.7	2774.4	2757.7	2685.2	2667.1	2589.1	2499.9	2410.7	2364.7	2313.2	2279.7
30°	3284.4	3285.8	3199.4	3111.6	3021.0	2885.9	2792.5	2692.2	2616.9	2543.1	2469.2
32.5°	4096.8	3889.2	3728.9	3540.8	3344.3	3200.8	3085.1	2965.3	2860.8	2753.5	2630.9
35°	4592.9	4492.6	4284.9	3940.7	3742.9	3568.7	3440.5	3295.6	3167.4	2977.8	2791.1
37.5°	5153.1	4920.3	4668.1	4477.2	4252.9	4050.8	3836.2	3671.8	3450.2	3195.2	2930.5
40°	5971.0	5638.0	5334.2	5077.8	4788.0	4576.2	4336.5	4098.2	3804.2	3434.9	3071.2
42.5°	6825.2	6481.0	6079.7	5746.7	5405.3	5157.2	4860.4	4526.0	4094.0	3637.0	3192.4
45°	7721.2	7261.4	6780.6	6373.7	6018.4	5710.4	5342.6	4899.4	4372.7	3818.1	3305.3
47.5°	8604.7	8076.6	7503.8	7066.3	6603.7	6227.4	5775.9	5215.8	4590.1	3989.5	3418.2
50°	9383.6	8875.0	8185.2	7629.3	7161.0	6697.0	6134.1	5459.6	4761.5	4137.2	3519.9
52.5°	10055.3	9617.7	8891.7	8189.4	7650.2	7129.0	6422.5	5656.1	4934.3	4273.8	3603.5
55°	10548.6	10257.3	9588.5	8717.6	8080.7	7459.3	6666.4	5845.6	5097.3	4382.5	3657.9
57.5°	10920.6	10759.0	10184.9	9215.0	8476.5	7779.7	6918.6	6072.7	5259.0	4475.8	3682.9
60°	11124.1	11168.7	10636.4	9649.8	8826.2	8047.3	7170.8	6266.4	5378.8	4530.2	3669.0
62.5°	11104.6	11377.7	10975.0	9917.3	9029.7	8206.2	7340.8	6357.0	5362.1	4443.8	3542.2
63°	11066.9	11384.7	11012.6	9935.4	9042.2	8211.7	7345.0	6344.5	5327.2	4402.0	3492.0
65°	10742.3	11224.4	10980.6	9853.2	8930.8	8107.2	7257.2	6163.3	5082.0	4177.6	3234.2
67.5°	9872.7	10476.1	10406.4	9272.2	8402.6	7675.2	6808.5	5579.5	4475.8	3625.8	2741.0
70°	8436.1	9003.2	9015.8	8064.0	7338.0	6624.6	5904.1	4539.9	3547.8	2810.6	2044.2
72.5°	6465.7	6830.8	6957.6	6330.5	5844.2	5342.6	4696.0	3295.6	2529.2	1911.8	1330.8
75°	5006.7	4906.4	4905.0	4640.3	4442.4	4197.1	3486.5	2224.0	1661.0	1243.0	813.8
77.5°	4500.9	4055.0	3623.0	3305.3	3146.5	3064.2	2286.7	1340.5	979.6	714.9	468.2
80°	3712.2	3054.5	2467.8	2125.0	1988.5	2083.2	1275.0	724.6	536.5	406.9	303.8
82.5°	2559.8	2125.0	1615.0	1337.7	1148.2	1201.2	652.1	370.7	248.0	227.1	188.1
85°	1333.6	1169.1	986.6	847.2	748.3	657.7	338.6	177.0	103.1	90.6	82.2
87.5°	0.0	1.4	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



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8
2.5°	1474.3	1472.9	1475.7	1477.1	1481.3	1484.0	1485.4	1482.7	1486.8	1491.0	1488.2
5°	1513.3	1523.1	1524.5	1528.6	1528.6	1537.0	1537.0	1537.0	1535.6	1537.0	1534.2
7.5°	1546.8	1559.3	1560.7	1566.3	1567.7	1577.4	1573.2	1576.0	1576.0	1569.0	1566.3
10°	1550.9	1563.5	1570.4	1577.4	1587.2	1599.7	1599.7	1606.7	1606.7	1601.1	1599.7
12.5°	1552.3	1562.1	1569.0	1578.8	1592.7	1610.9	1620.6	1630.4	1634.5	1633.1	1629.0
15°	1581.6	1581.6	1583.0	1591.3	1601.1	1623.4	1637.3	1648.5	1655.4	1652.7	1645.7
17.5°	1658.2	1647.1	1638.7	1624.8	1627.6	1638.7	1647.1	1656.8	1658.2	1655.4	1644.3
20°	1747.4	1733.5	1712.6	1690.3	1679.1	1670.8	1665.2	1665.2	1661.0	1647.1	1629.0
22.5°	1874.2	1856.1	1826.8	1793.4	1771.1	1744.6	1712.6	1681.9	1648.5	1615.0	1576.0
25°	2049.8	2024.7	1994.1	1942.5	1895.1	1839.4	1773.9	1705.6	1626.2	1556.5	1499.4
27.5°	2226.8	2171.0	2091.6	2020.5	1932.7	1849.1	1755.8	1672.2	1570.4	1486.8	1424.1
30°	2373.1	2267.2	2152.9	2040.0	1924.4	1811.5	1700.0	1599.7	1488.2	1403.2	1341.9
32.5°	2486.0	2339.6	2180.8	2033.1	1890.9	1753.0	1624.8	1513.3	1400.4	1312.6	1247.2
35°	2590.5	2387.0	2185.0	2002.4	1826.8	1683.3	1538.4	1417.2	1297.3	1205.4	1134.3
37.5°	2668.5	2409.3	2159.9	1945.3	1743.2	1583.0	1435.3	1311.3	1188.6	1088.3	1007.5
40°	2718.7	2395.4	2105.5	1863.1	1644.3	1475.7	1325.2	1197.0	1078.5	968.5	870.9
42.5°	2759.1	2377.3	2051.2	1787.8	1566.3	1382.3	1227.6	1089.7	969.9	850.0	742.7
45°	2819.0	2391.2	2027.5	1734.9	1496.6	1302.9	1132.9	989.4	864.0	746.9	643.8
47.5°	2877.5	2398.2	1992.7	1669.4	1408.8	1220.7	1047.9	908.5	780.3	673.0	578.3
50°	2930.5	2394.0	1938.3	1585.8	1323.8	1138.5	971.2	831.9	705.1	606.2	517.0
52.5°	2955.6	2370.3	1871.4	1504.9	1255.5	1066.0	896.0	760.8	635.4	542.1	459.8
55°	2952.8	2309.0	1783.6	1428.3	1180.3	989.4	822.1	688.4	575.5	489.1	418.0
57.5°	2911.0	2214.2	1690.3	1343.3	1081.3	894.6	735.8	606.2	511.4	438.9	379.0
60°	2823.2	2093.0	1567.7	1219.3	957.3	777.6	628.5	517.0	440.3	384.6	345.6
62.5°	2658.7	1918.8	1414.4	1046.5	790.1	625.7	496.1	423.6	366.5	333.0	314.9
63°	2610.0	1871.4	1348.9	1004.7	751.1	590.8	468.2	393.0	351.2	321.9	305.2
65°	2367.5	1638.7	1128.7	811.0	583.9	455.7	376.2	319.1	294.0	281.5	280.1
67.5°	1917.4	1289.0	798.5	556.0	397.1	328.9	288.4	264.8	253.6	250.8	253.6
70°	1346.1	813.8	507.2	369.3	294.0	264.8	246.6	236.9	229.9	231.3	234.1
72.5°	858.4	487.7	348.4	280.1	248.0	232.7	224.3	221.6	220.2	218.8	218.8
75°	489.1	324.7	267.5	242.5	225.7	213.2	206.2	203.4	204.8	206.2	203.4
77.5°	323.3	267.5	238.3	221.6	206.2	192.3	188.1	186.7	189.5	192.3	192.3
80°	255.0	238.3	221.6	204.8	179.8	170.0	172.8	174.2	172.8	174.2	170.0
82.5°	179.8	177.0	181.2	174.2	149.1	140.7	138.0	139.3	136.6	136.6	133.8
85°	83.6	83.6	87.8	87.8	85.0	86.4	93.4	101.7	105.9	101.7	96.1
87.5°	0.0	0.0	0.0	0.0	0.0	12.5	25.1	36.2	39.0	48.8	47.4
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: P152973

CATALOG NUMBER: TLM-F06-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8
2.5°	1484.0	1486.8	1485.4	1484.0	1486.8	1484.0	1485.4	1484.0	1484.0	1482.7	1482.7
5°	1531.4	1535.6	1527.2	1525.9	1523.1	1516.1	1516.1	1513.3	1513.3	1507.7	1503.6
7.5°	1562.1	1563.5	1556.5	1555.1	1548.1	1541.2	1535.6	1530.0	1528.6	1524.5	1516.1
10°	1591.3	1588.6	1583.0	1576.0	1569.0	1559.3	1552.3	1545.4	1544.0	1537.0	1527.2
12.5°	1616.4	1615.0	1603.9	1596.9	1585.8	1576.0	1567.7	1559.3	1555.1	1546.8	1532.8
15°	1633.1	1624.8	1610.9	1598.3	1585.8	1574.6	1564.9	1555.1	1550.9	1541.2	1527.2
17.5°	1626.2	1610.9	1592.7	1577.4	1560.7	1546.8	1538.4	1528.6	1521.7	1516.1	1496.6
20°	1601.1	1578.8	1550.9	1532.8	1510.5	1492.4	1486.8	1477.1	1471.5	1450.6	1425.5
22.5°	1535.6	1503.6	1468.7	1442.2	1417.2	1399.0	1385.1	1375.4	1361.4	1348.9	1309.9
25°	1453.4	1417.2	1380.9	1348.9	1315.4	1287.6	1262.5	1238.8	1231.8	1205.4	1167.7
27.5°	1374.0	1333.6	1297.3	1259.7	1216.5	1181.7	1138.5	1105.0	1082.7	1054.9	1020.0
30°	1289.0	1248.6	1199.8	1149.6	1099.4	1061.8	1013.1	972.6	944.8	915.5	883.5
32.5°	1181.7	1132.9	1074.4	1018.6	972.6	928.1	879.3	840.3	812.4	785.9	755.3
35°	1059.0	994.9	932.2	870.9	822.1	784.5	741.3	712.1	692.6	668.9	636.8
37.5°	918.3	845.8	779.0	731.6	688.4	652.1	621.5	603.4	582.5	569.9	550.4
40°	776.2	705.1	639.6	596.4	560.2	539.3	522.6	518.4	504.4	487.7	475.2
42.5°	650.8	582.5	518.4	483.5	459.8	454.3	445.9	445.9	438.9	426.4	418.0
45°	565.7	494.7	438.9	413.9	401.3	399.9	395.7	395.7	394.4	388.8	379.0
47.5°	504.4	440.3	397.1	381.8	379.0	376.2	372.1	370.7	369.3	365.1	359.5
50°	448.7	394.4	366.5	359.5	360.9	356.7	352.5	348.4	347.0	342.8	337.2
52.5°	397.1	358.1	340.0	335.8	335.8	335.8	333.0	333.0	330.3	328.9	323.3
55°	367.9	338.6	328.9	327.5	326.1	324.7	321.9	321.9	319.1	317.7	310.7
57.5°	342.8	324.7	319.1	316.3	314.9	312.1	310.7	310.7	310.7	310.7	302.4
60°	323.3	314.9	313.5	310.7	309.4	303.8	301.0	299.6	301.0	302.4	294.0
62.5°	302.4	301.0	299.6	296.8	295.4	289.8	285.7	282.9	285.7	288.4	287.1
63°	296.8	295.4	295.4	294.0	292.6	285.7	281.5	278.7	281.5	284.3	284.3
65°	277.3	278.7	278.7	277.3	275.9	271.7	266.2	263.4	264.8	268.9	270.3
67.5°	256.4	257.8	256.4	257.8	256.4	253.6	249.4	246.6	245.3	246.6	248.0
70°	236.9	239.7	238.3	236.9	235.5	235.5	232.7	228.5	227.1	225.7	225.7
72.5°	220.2	220.2	217.4	217.4	216.0	216.0	213.2	209.0	207.6	207.6	204.8
75°	202.1	202.1	197.9	197.9	195.1	196.5	193.7	189.5	188.1	188.1	186.7
77.5°	190.9	186.7	179.8	178.4	177.0	177.0	175.6	171.4	170.0	170.0	168.6
80°	168.6	160.2	153.3	151.9	153.3	156.1	156.1	153.3	153.3	153.3	153.3
82.5°	131.0	128.2	124.0	121.2	121.2	125.4	131.0	133.8	136.6	139.3	139.3
85°	96.1	97.5	96.1	92.0	90.6	94.8	100.3	105.9	107.3	112.9	111.5
87.5°	51.6	53.0	48.8	47.4	51.6	54.3	59.9	61.3	64.1	65.5	66.9
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: P152973

CATALOG NUMBER: TLM-F06-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8
2.5°	1481.3	1479.9	1481.3	1478.5	1478.5	1475.7	1472.9	1471.5	1468.7	1467.3	1464.5
5°	1506.3	1502.2	1498.0	1496.6	1491.0	1485.4	1481.3	1474.3	1468.7	1459.0	1456.2
7.5°	1523.1	1513.3	1507.7	1506.3	1498.0	1493.8	1484.0	1475.7	1467.3	1454.8	1450.6
10°	1530.0	1520.3	1510.5	1506.3	1496.6	1489.6	1479.9	1467.3	1460.4	1447.8	1445.0
12.5°	1538.4	1520.3	1504.9	1493.8	1479.9	1464.5	1454.8	1447.8	1438.1	1431.1	1428.3
15°	1523.1	1499.4	1475.7	1454.8	1432.5	1415.8	1406.0	1394.9	1383.7	1379.5	1379.5
17.5°	1481.3	1450.6	1410.2	1383.7	1360.0	1341.9	1329.4	1318.2	1316.8	1311.3	1314.0
20°	1394.9	1354.5	1315.4	1295.9	1282.0	1270.8	1258.3	1252.7	1248.6	1240.2	1237.4
22.5°	1275.0	1241.6	1213.7	1199.8	1188.6	1174.7	1163.5	1146.8	1142.6	1134.3	1130.1
25°	1142.6	1116.2	1092.5	1082.7	1075.8	1056.3	1049.3	1027.0	1011.7	1001.9	1007.5
27.5°	1010.3	990.8	968.5	955.9	951.7	933.6	926.7	901.6	889.0	889.0	875.1
30°	873.7	855.6	841.7	827.7	824.9	802.6	784.5	774.8	760.8	755.3	745.5
32.5°	745.5	727.4	716.2	709.3	698.1	680.0	661.9	645.2	622.9	614.5	610.3
35°	627.1	613.1	599.2	593.6	578.3	558.8	536.5	522.6	496.1	486.3	482.1
37.5°	536.5	519.8	510.0	494.7	479.4	458.5	441.7	429.2	419.4	415.3	415.3
40°	464.0	451.5	440.3	427.8	415.3	404.1	395.7	393.0	391.6	391.6	394.4
42.5°	409.7	398.5	393.0	386.0	381.8	381.8	380.4	381.8	383.2	384.6	388.8
45°	373.5	366.5	363.7	362.3	365.1	367.9	369.3	372.1	377.6	380.4	381.8
47.5°	353.9	348.4	347.0	348.4	352.5	358.1	363.7	367.9	372.1	373.5	374.8
50°	334.4	327.5	324.7	327.5	333.0	341.4	345.6	352.5	355.3	358.1	355.3
52.5°	317.7	312.1	310.7	310.7	316.3	321.9	327.5	333.0	334.4	334.4	333.0
55°	303.8	299.6	295.4	298.2	302.4	308.0	316.3	320.5	323.3	324.7	324.7
57.5°	292.6	288.4	284.3	287.1	291.2	296.8	305.2	309.4	312.1	316.3	317.7
60°	284.3	278.7	274.5	278.7	282.9	291.2	298.2	302.4	309.4	310.7	310.7
62.5°	275.9	270.3	263.4	267.5	267.5	271.7	278.7	284.3	291.2	294.0	294.0
63°	274.5	268.9	262.0	264.8	264.8	267.5	273.1	278.7	287.1	289.8	288.4
65°	263.4	262.0	255.0	255.0	252.2	255.0	259.2	264.8	268.9	273.1	273.1
67.5°	245.3	243.9	242.5	242.5	242.5	245.3	248.0	252.2	256.4	259.2	257.8
70°	224.3	224.3	224.3	225.7	225.7	228.5	229.9	228.5	232.7	235.5	234.1
72.5°	206.2	204.8	203.4	206.2	204.8	204.8	207.6	206.2	210.4	210.4	211.8
75°	186.7	185.3	185.3	186.7	183.9	181.2	182.5	182.5	183.9	183.9	186.7
77.5°	170.0	170.0	170.0	168.6	165.8	164.4	163.0	163.0	163.0	163.0	164.4
80°	154.7	154.7	154.7	153.3	150.5	147.7	144.9	143.5	142.1	135.2	135.2
82.5°	139.3	139.3	139.3	139.3	138.0	135.2	131.0	119.8	114.3	108.7	110.1
85°	110.1	112.9	115.7	119.8	118.4	118.4	110.1	96.1	87.8	82.2	83.6
87.5°	71.1	62.7	62.7	61.3	58.5	55.7	55.7	47.4	39.0	34.8	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



TEST NUMBER: P152973

CATALOG NUMBER: TLM-F06-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8
2.5°	1464.5	1461.8	1459.0	1459.0	1454.8	1454.8	1452.0	1457.6	1452.0	1447.8	1447.8
5°	1453.4	1450.6	1442.2	1440.8	1435.3	1435.3	1435.3	1432.5	1432.5	1429.7	1428.3
7.5°	1446.4	1439.5	1432.5	1428.3	1428.3	1425.5	1431.1	1428.3	1429.7	1429.7	1431.1
10°	1440.8	1435.3	1432.5	1431.1	1431.1	1435.3	1439.5	1440.8	1439.5	1440.8	1440.8
12.5°	1426.9	1429.7	1431.1	1436.7	1443.6	1452.0	1461.8	1463.1	1465.9	1465.9	1468.7
15°	1382.3	1389.3	1397.7	1411.6	1429.7	1447.8	1465.9	1481.3	1495.2	1502.2	1507.7
17.5°	1319.6	1326.6	1341.9	1357.2	1380.9	1407.4	1438.1	1464.5	1493.8	1520.3	1546.8
20°	1234.6	1245.8	1249.9	1277.8	1305.7	1341.9	1378.1	1419.9	1470.1	1520.3	1571.8
22.5°	1124.5	1137.1	1156.6	1178.9	1208.1	1252.7	1295.9	1361.4	1428.3	1499.4	1580.2
25°	1001.9	1015.8	1032.6	1056.3	1085.5	1132.9	1195.6	1265.3	1347.5	1440.8	1541.2
27.5°	875.1	889.0	903.0	919.7	953.1	1003.3	1077.2	1149.6	1240.2	1341.9	1459.0
30°	748.3	749.7	758.0	779.0	813.8	879.3	933.6	1024.2	1119.0	1226.3	1361.4
32.5°	608.9	607.6	617.3	635.4	668.9	731.6	798.5	886.2	979.6	1114.8	1254.1
35°	484.9	484.9	503.0	521.2	558.8	603.4	661.9	739.9	850.0	975.4	1114.8
37.5°	419.4	429.2	440.3	458.5	487.7	522.6	574.1	642.4	728.8	848.6	976.8
40°	398.5	404.1	413.9	430.6	455.7	487.7	525.3	576.9	643.8	739.9	857.0
42.5°	390.2	391.6	397.1	409.7	432.0	464.0	503.0	549.0	599.2	667.5	769.2
45°	381.8	380.4	383.2	393.0	411.1	447.3	491.9	542.1	592.2	649.4	733.0
47.5°	374.8	374.8	374.8	379.0	395.7	432.0	483.5	542.1	602.0	666.1	748.3
50°	355.3	353.9	353.9	356.7	369.3	408.3	469.6	540.7	618.7	702.3	795.7
52.5°	333.0	333.0	334.4	335.8	347.0	386.0	454.3	540.7	638.2	749.7	866.7
55°	326.1	327.5	328.9	327.5	335.8	369.3	437.5	532.3	646.6	787.3	943.4
57.5°	320.5	323.3	323.3	321.9	327.5	355.3	420.8	515.6	639.6	801.2	997.7
60°	312.1	312.1	312.1	308.0	310.7	335.8	395.7	489.1	617.3	788.7	1006.1
62.5°	294.0	294.0	291.2	289.8	288.4	308.0	362.3	450.1	576.9	755.3	985.2
63°	289.8	288.4	288.4	284.3	284.3	302.4	355.3	444.5	565.7	746.9	976.8
65°	274.5	274.5	274.5	271.7	270.3	284.3	327.5	405.5	522.6	707.9	935.0
67.5°	257.8	259.2	256.4	255.0	253.6	262.0	295.4	356.7	455.7	625.7	857.0
70°	234.1	235.5	235.5	234.1	232.7	238.3	259.2	306.6	377.6	521.2	730.2
72.5°	213.2	216.0	216.0	218.8	218.8	223.0	231.3	255.0	302.4	406.9	574.1
75°	190.9	192.3	195.1	197.9	195.1	193.7	195.1	213.2	236.9	301.0	409.7
77.5°	171.4	175.6	175.6	174.2	170.0	167.2	167.2	175.6	195.1	228.5	292.6
80°	142.1	149.1	150.5	146.3	142.1	142.1	144.9	150.5	163.0	188.1	221.6
82.5°	114.3	121.2	122.6	124.0	122.6	126.8	126.8	128.2	135.2	154.7	181.2
85°	87.8	93.4	97.5	98.9	100.3	101.7	100.3	93.4	97.5	110.1	122.6
87.5°	39.0	40.4	37.6	39.0	37.6	39.0	40.4	33.4	32.0	43.2	44.6
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: P152973

CATALOG NUMBER: TLM-F06-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8	1461.8
2.5°	1446.4	1446.4	1447.8	1445.0	1445.0	1446.4	1442.2
5°	1424.1	1429.7	1429.7	1429.7	1426.9	1429.7	1431.1
7.5°	1429.7	1433.9	1436.7	1436.7	1435.3	1440.8	1445.0
10°	1436.7	1443.6	1446.4	1446.4	1446.4	1453.4	1463.1
12.5°	1463.1	1468.7	1472.9	1472.9	1475.7	1484.0	1495.2
15°	1511.9	1518.9	1518.9	1517.5	1525.9	1535.6	1548.1
17.5°	1566.3	1585.8	1595.5	1594.1	1601.1	1613.6	1627.6
20°	1617.8	1672.2	1695.9	1712.6	1719.5	1736.3	1740.4
22.5°	1661.0	1751.6	1817.1	1872.8	1899.3	1916.0	1935.5
25°	1645.7	1768.3	1885.4	1999.6	2080.5	2162.7	2197.5
27.5°	1583.0	1736.3	1889.5	2056.8	2203.1	2349.4	2455.3
30°	1506.3	1690.3	1896.5	2133.4	2364.7	2589.1	2767.4
32.5°	1418.6	1647.1	1911.8	2204.5	2508.2	2802.3	3060.1
35°	1308.5	1564.9	1874.2	2211.4	2569.6	2926.3	3260.7
37.5°	1169.1	1453.4	1786.4	2161.3	2572.3	2980.6	3380.6
40°	1029.8	1312.6	1675.0	2088.8	2536.1	2993.2	3455.8
42.5°	932.2	1187.2	1562.1	1996.8	2477.6	2973.7	3492.0
45°	865.3	1096.7	1461.8	1913.2	2414.9	2938.8	3497.6
47.5°	859.8	1057.6	1396.3	1851.9	2364.7	2908.2	3497.6
50°	907.1	1078.5	1374.0	1821.3	2343.8	2898.4	3500.4
52.5°	996.3	1162.2	1414.4	1845.0	2360.5	2911.0	3512.9
55°	1103.6	1289.0	1523.1	1927.2	2431.6	2952.8	3540.8
57.5°	1201.2	1435.3	1708.4	2086.0	2561.2	3058.7	3618.8
60°	1258.3	1560.7	1904.9	2309.0	2782.8	3269.1	3774.9
62.5°	1265.3	1630.4	2079.1	2551.4	3051.7	3510.2	4024.3
63°	1259.7	1635.9	2101.4	2597.4	3108.8	3570.1	4110.7
65°	1229.0	1637.3	2164.1	2759.1	3306.7	3822.3	4351.8
67.5°	1151.0	1592.7	2186.4	2885.9	3556.1	4153.9	4801.9
70°	1015.8	1465.9	2120.9	2888.7	3652.3	4339.3	5086.2
72.5°	816.6	1224.9	1838.0	2628.1	3398.7	4156.7	5012.3
75°	597.8	900.2	1389.3	2035.9	2773.0	3460.0	4293.3
77.5°	397.1	582.5	936.4	1450.6	1988.5	2490.1	3090.7
80°	273.1	360.9	547.6	872.3	1216.5	1460.4	1969.0
82.5°	200.7	238.3	303.8	445.9	585.3	720.4	1028.4
85°	125.4	136.6	151.9	220.2	314.9	425.0	641.0
87.5°	33.4	34.8	32.0	43.2	68.3	65.5	72.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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