

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: P148948

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P148948
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TLM-E03-LED-E1-RW-8030
Description: TALON MEDIUM LED SITE LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (63) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7909.7 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 3.07 / 1.6
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
CIE Type: Direct

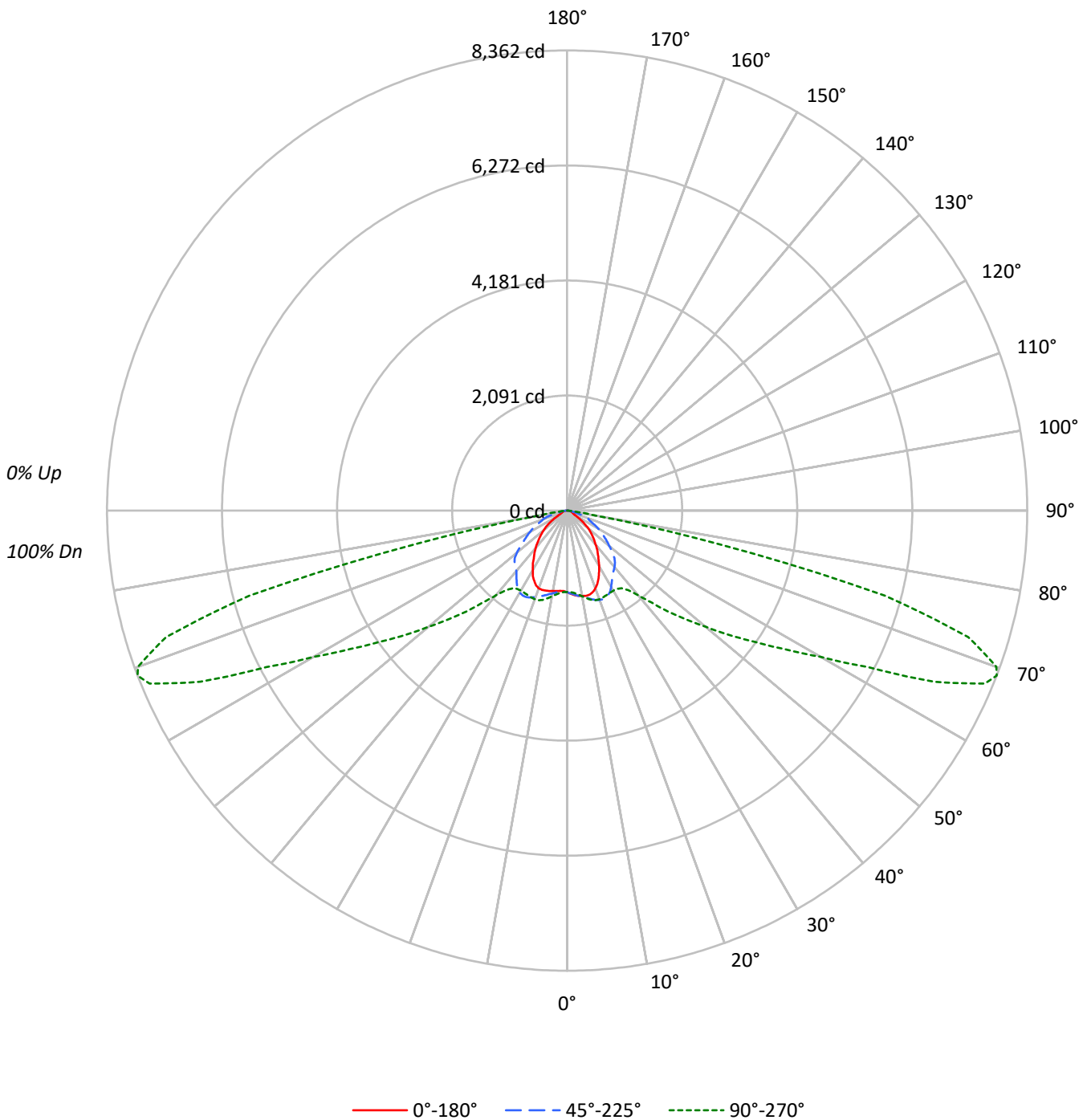
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

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	106	101	95	91	104	98	93	89	94	90	86	90	87	84	86	84	81	79
2	94	84	76	69	91	82	75	68	79	72	66	75	70	65	72	67	63	61
3	84	72	62	54	81	70	61	54	67	59	52	64	57	51	61	55	51	48
4	76	62	51	44	73	60	51	43	58	49	43	55	48	42	53	47	41	39
5	69	54	44	36	67	53	43	36	51	42	35	49	41	35	47	40	35	32
6	63	48	38	31	61	47	37	30	45	36	30	43	36	30	42	35	29	27
7	58	43	33	26	56	42	33	26	40	32	26	39	31	26	38	31	25	23
8	54	39	29	23	52	38	29	23	37	29	23	35	28	23	34	27	22	20
9	50	35	26	20	49	35	26	20	34	26	20	32	25	20	31	25	20	18
10	47	33	24	18	46	32	24	18	31	23	18	30	23	18	29	23	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	31904	31904	31904
5°	33323	32482	31644
10°	34464	34574	32490
15°	35250	37414	33520
20°	34399	39269	34474
25°	32096	40236	33540
30°	28890	41772	31030
35°	25663	45271	27747
40°	22628	56332	25000
45°	19786	78935	21841
50°	16649	110043	18742
55°	12007	156170	14732
60°	7160	228677	8792
65°	6449	374678	6449
70°	6590	522523	6691
75°	7020	497300	7369
80°	7116	64032	7748
85°	4594	16055	6472



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.4	1.8
10°-20°	458.6	5.8
20°-30°	743.0	9.4
30°-40°	925.9	11.7
40°-50°	1157.1	14.6
50°-60°	1428.7	18.1
60°-70°	1775.3	22.4
70°-80°	1178.5	14.9
80°-90°	97.3	1.2
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°	1346.9	17.0
0°-40°	2272.9	28.7
0°-60°	4858.6	61.4
0°-90°	7909.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7909.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1482	1482	1482	1482	1482	
5°	1542	1533	1503	1480	1464	148
15°	1582	1663	1679	1596	1504	443
25°	1351	1721	1694	1737	1412	617
35°	976	1438	1723	1600	1056	612
45°	650	1211	2593	1352	717	501
55°	320	820	4161	960	392	285
65°	127	475	7355	604	127	128
75°	84	187	5979	244	89	88
85°	19	35	65	46	26	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0
2.5°	1515.8	1520.9	1515.8	1515.8	1511.6	1507.4	1504.8	1498.9	1495.6	1493.9	1493.9
5°	1542.0	1541.1	1542.0	1542.0	1537.8	1532.7	1529.3	1524.2	1519.2	1518.3	1517.5
7.5°	1561.4	1560.5	1563.1	1568.1	1565.6	1561.4	1561.4	1556.3	1552.9	1552.9	1551.3
10°	1576.6	1577.4	1582.5	1590.1	1591.8	1590.9	1596.8	1595.1	1593.5	1595.1	1593.5
12.5°	1586.7	1587.5	1594.3	1608.6	1617.9	1623.8	1639.0	1639.9	1640.7	1640.7	1640.7
15°	1581.6	1581.6	1595.1	1622.2	1644.9	1662.7	1682.1	1685.4	1682.1	1684.6	1682.9
17.5°	1552.1	1553.8	1575.7	1617.1	1663.5	1702.3	1723.4	1717.5	1711.6	1711.6	1709.1
20°	1501.5	1504.8	1534.4	1592.6	1666.0	1727.6	1760.6	1741.2	1725.1	1722.6	1720.1
22.5°	1439.0	1436.5	1471.9	1545.3	1646.6	1738.6	1783.4	1759.7	1731.0	1725.1	1720.9
25°	1351.2	1352.9	1390.1	1471.9	1597.7	1720.9	1790.1	1778.3	1744.5	1736.9	1727.6
27.5°	1255.0	1259.2	1298.9	1382.5	1521.7	1677.0	1782.5	1796.9	1770.7	1762.3	1753.8
30°	1162.2	1164.7	1209.4	1298.9	1428.0	1599.4	1762.3	1817.1	1803.6	1796.9	1789.3
32.5°	1063.4	1071.9	1110.7	1212.0	1353.8	1514.1	1731.0	1838.2	1843.3	1839.1	1834.8
35°	976.5	983.2	1027.1	1133.5	1282.0	1438.2	1693.0	1861.0	1895.6	1894.8	1893.9
37.5°	898.0	899.7	946.1	1054.1	1211.1	1385.0	1653.4	1898.1	1959.7	1968.2	1978.3
40°	805.2	813.6	861.7	978.2	1141.1	1339.4	1619.6	1947.9	2049.2	2067.8	2082.1
42.5°	730.9	730.9	773.9	889.6	1058.4	1287.1	1607.8	2010.4	2155.6	2180.9	2206.2
45°	649.9	652.4	693.8	799.3	963.8	1211.1	1606.1	2079.6	2274.6	2310.8	2342.1
47.5°	573.1	574.8	618.6	720.8	865.9	1106.5	1585.0	2156.4	2399.5	2451.8	2486.4
50°	497.1	494.6	536.8	640.6	779.0	998.4	1517.5	2256.0	2554.8	2607.1	2646.8
52.5°	403.4	410.2	455.8	554.5	693.8	906.4	1379.9	2353.9	2715.1	2774.2	2828.2
55°	319.9	319.0	370.5	460.0	601.8	819.5	1217.0	2423.1	2871.3	2939.6	2999.5
57.5°	229.6	232.1	276.0	364.6	506.4	741.9	1093.8	2411.3	2991.9	3073.0	3148.9
60°	166.3	171.3	204.2	269.2	404.3	652.4	1007.7	2274.6	3074.7	3185.2	3277.2
62.5°	140.1	144.3	173.0	208.5	312.3	558.7	924.2	2055.1	3181.8	3327.9	3461.2
65°	126.6	130.0	158.7	178.9	239.7	475.2	871.8	1899.8	3322.8	3544.8	3727.1
67.5°	113.9	119.0	144.3	159.5	203.4	424.5	856.7	1876.2	3349.8	3643.5	3902.6
69°	108.0	113.1	135.9	149.4	191.6	408.5	828.0	1790.9	3173.4	3489.1	3779.4
70°	104.7	108.9	129.1	143.5	188.2	393.3	787.4	1666.0	2986.0	3304.2	3616.5
72.5°	96.2	98.7	115.6	130.0	173.0	302.1	596.7	1203.5	2229.0	2543.8	2850.2
75°	84.4	86.9	102.1	116.5	134.2	187.4	362.1	714.0	1368.1	1580.0	1887.2
77.5°	72.6	75.1	87.8	109.7	106.3	122.4	221.1	427.1	717.4	822.9	1019.5
80°	57.4	60.8	73.4	105.5	88.6	97.1	162.0	315.7	436.3	480.2	531.7
82.5°	40.5	42.2	55.7	84.4	66.7	73.4	121.5	262.5	350.3	382.3	397.5
85°	18.6	19.4	32.9	49.8	39.7	35.4	65.0	168.0	232.1	241.4	254.9
87.5°	0.0	0.0	3.4	3.4	6.8	4.2	7.6	21.1	35.4	35.4	43.0
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):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0
2.5°	1494.7	1493.9	1494.7	1494.7	1495.6	1492.2	1491.3	1490.5	1489.6	1490.5	1488.8
5°	1517.5	1516.7	1516.7	1517.5	1516.7	1514.1	1513.3	1513.3	1510.7	1509.9	1509.9
7.5°	1552.1	1550.4	1547.9	1549.6	1550.4	1549.6	1550.4	1547.9	1547.9	1545.3	1546.2
10°	1595.1	1593.5	1592.6	1594.3	1595.1	1594.3	1595.1	1591.8	1590.9	1590.1	1588.4
12.5°	1642.4	1639.0	1641.6	1641.6	1642.4	1645.8	1641.6	1643.3	1639.9	1639.9	1639.0
15°	1683.8	1682.9	1684.6	1684.6	1683.8	1686.3	1685.4	1686.3	1682.1	1680.4	1684.6
17.5°	1709.9	1707.4	1708.2	1707.4	1707.4	1707.4	1709.1	1709.1	1706.5	1705.7	1707.4
20°	1716.7	1712.5	1711.6	1710.8	1709.1	1709.1	1709.9	1708.2	1706.5	1704.9	1706.5
22.5°	1715.0	1709.9	1704.9	1702.3	1699.8	1696.4	1695.6	1693.9	1691.4	1691.4	1692.2
25°	1720.9	1711.6	1704.0	1699.0	1692.2	1688.0	1684.6	1680.4	1676.2	1673.6	1674.5
27.5°	1741.2	1731.0	1720.9	1710.8	1700.6	1692.2	1685.4	1677.9	1671.1	1666.0	1663.5
30°	1779.1	1765.6	1753.8	1742.0	1729.3	1717.5	1706.5	1694.7	1682.1	1674.5	1667.7
32.5°	1823.0	1813.7	1806.1	1792.6	1779.1	1764.8	1751.3	1741.2	1722.6	1708.2	1696.4
35°	1889.7	1886.3	1882.1	1872.0	1856.8	1849.2	1838.2	1822.2	1800.2	1787.6	1769.8
37.5°	1981.7	1982.5	1979.2	1974.9	1976.6	1962.3	1955.5	1953.8	1931.9	1923.5	1897.3
40°	2094.8	2107.4	2118.4	2118.4	2126.9	2127.7	2126.0	2140.4	2124.3	2127.7	2099.8
42.5°	2220.5	2250.9	2267.8	2280.5	2308.3	2321.0	2342.1	2373.3	2375.0	2391.0	2392.7
45°	2369.1	2402.8	2434.9	2467.8	2505.0	2548.9	2592.7	2624.8	2675.5	2686.4	2722.7
47.5°	2523.5	2572.5	2609.6	2651.8	2715.1	2771.7	2836.7	2902.5	2960.7	3002.1	3025.7
50°	2694.0	2743.8	2797.8	2845.1	2912.6	2991.9	3082.3	3172.6	3247.7	3321.1	3380.2
52.5°	2883.1	2937.9	2988.6	3050.2	3118.5	3213.1	3311.8	3435.9	3536.3	3636.8	3709.3
55°	3064.5	3126.1	3172.6	3251.1	3321.9	3419.0	3541.4	3688.2	3827.5	3949.0	4047.8
57.5°	3222.4	3283.1	3348.1	3415.6	3501.7	3598.8	3749.0	3916.1	4074.8	4234.3	4380.3
60°	3370.1	3451.9	3522.8	3612.3	3698.4	3810.6	3989.5	4196.3	4413.2	4611.6	4757.6
62.5°	3592.9	3697.5	3781.1	3891.6	4011.5	4144.0	4341.5	4569.4	4852.1	5107.8	5334.9
65°	3904.3	4064.7	4199.7	4335.6	4481.6	4663.9	4877.4	5166.9	5479.2	5857.3	6156.9
67.5°	4126.3	4327.1	4501.8	4672.3	4840.3	5042.0	5306.2	5645.5	6049.7	6447.2	6827.9
69°	4036.8	4249.5	4443.6	4613.3	4790.5	4992.2	5249.6	5621.8	6033.7	6470.9	6848.1
70°	3848.6	4078.2	4285.8	4447.8	4629.3	4829.3	5113.7	5469.1	5889.4	6341.7	6711.4
72.5°	3094.9	3337.1	3542.2	3722.0	3911.9	4146.5	4399.7	4740.7	5206.6	5649.7	5978.8
75°	2131.9	2358.1	2590.2	2724.4	2942.2	3109.3	3349.8	3699.2	4088.3	4414.1	4718.8
77.5°	1206.1	1327.6	1503.1	1558.0	1714.1	1825.6	1953.0	2168.2	2370.8	2559.8	2614.7
80°	548.6	512.3	530.0	503.0	532.6	514.0	492.9	504.7	502.2	540.2	504.7
82.5°	395.0	341.0	283.6	244.8	215.2	182.3	155.3	139.3	137.6	144.3	141.8
85°	252.4	230.4	180.6	145.2	111.4	86.1	71.7	65.0	65.0	69.2	68.4
87.5°	43.9	38.0	23.6	20.3	17.7	11.8	7.6	7.6	6.8	8.4	11.0
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):

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0
2.5°	1488.8	1488.0	1486.3	1485.4	1485.4	1483.7	1482.9	1484.6	1485.4	1486.3	1483.7
5°	1509.9	1507.4	1506.5	1507.4	1503.1	1504.0	1503.1	1504.0	1504.0	1504.0	1502.3
7.5°	1543.7	1541.1	1542.8	1541.1	1538.6	1537.8	1537.8	1535.2	1531.8	1531.0	1531.8
10°	1590.1	1586.7	1587.5	1588.4	1585.9	1584.2	1581.6	1578.3	1578.3	1577.4	1575.7
12.5°	1639.9	1638.2	1638.2	1639.0	1638.2	1634.8	1631.4	1629.7	1628.9	1628.9	1628.9
15°	1682.9	1682.1	1682.9	1682.1	1682.1	1680.4	1678.7	1676.2	1675.3	1676.2	1677.0
17.5°	1707.4	1704.9	1707.4	1708.2	1707.4	1707.4	1707.4	1705.7	1704.9	1704.9	1705.7
20°	1709.1	1707.4	1709.1	1711.6	1711.6	1712.5	1714.1	1715.0	1714.1	1715.8	1716.7
22.5°	1692.2	1692.2	1694.7	1697.3	1701.5	1703.2	1706.5	1708.2	1709.9	1712.5	1714.1
25°	1675.3	1674.5	1677.0	1682.1	1685.4	1689.7	1693.9	1697.3	1700.6	1704.0	1707.4
27.5°	1663.5	1662.7	1664.4	1668.6	1672.8	1677.9	1684.6	1689.7	1693.9	1698.1	1700.6
30°	1664.4	1661.0	1660.1	1663.5	1667.7	1673.6	1680.4	1686.3	1692.2	1695.6	1698.1
32.5°	1688.8	1680.4	1677.0	1676.2	1677.9	1682.1	1687.1	1693.0	1697.3	1700.6	1701.5
35°	1752.1	1736.1	1732.7	1721.7	1723.4	1722.6	1722.6	1726.0	1729.3	1729.3	1723.4
37.5°	1880.4	1857.6	1841.6	1830.6	1819.6	1818.8	1817.1	1815.4	1807.0	1801.9	1801.1
40°	2080.4	2071.2	2040.8	2032.3	2013.8	2001.1	2004.5	1997.7	1977.5	1969.9	1966.5
42.5°	2372.5	2377.5	2360.6	2321.0	2304.9	2280.5	2260.2	2256.8	2238.3	2223.1	2211.3
45°	2715.1	2724.4	2711.7	2683.0	2654.4	2617.2	2592.7	2545.5	2526.9	2503.3	2487.2
47.5°	3067.1	3092.4	3072.1	3046.8	3030.8	2972.5	2921.9	2867.0	2839.2	2805.4	2790.2
50°	3416.5	3461.2	3449.4	3425.8	3408.0	3334.6	3285.7	3209.7	3193.7	3159.9	3141.3
52.5°	3765.9	3809.8	3835.9	3814.0	3801.3	3742.3	3708.5	3647.7	3602.2	3581.1	3580.2
55°	4118.7	4189.6	4230.9	4223.3	4202.2	4194.6	4160.9	4155.0	4119.5	4096.7	4066.3
57.5°	4463.9	4539.0	4610.7	4652.9	4670.6	4664.7	4680.8	4679.1	4684.1	4681.6	4631.8
60°	4902.7	5021.7	5126.4	5193.1	5256.4	5300.3	5311.2	5376.2	5357.7	5398.2	5320.5
62.5°	5522.2	5676.7	5835.4	5905.4	5983.1	6125.7	6159.4	6236.2	6248.1	6258.2	6216.8
65°	6385.6	6588.2	6827.9	6935.1	7056.6	7239.8	7355.4	7437.2	7434.7	7379.0	7325.8
67.5°	7122.4	7362.1	7582.4	7768.9	7950.4	8093.0	8214.6	8325.1	8331.0	8296.4	8205.3
69°	7185.7	7436.4	7676.1	7900.6	8080.4	8239.0	8362.3	8448.3	8466.9	8436.5	8352.1
70°	7068.4	7321.6	7582.4	7797.6	8001.0	8169.0	8301.5	8384.2	8409.5	8378.3	8299.0
72.5°	6346.8	6592.4	6787.4	7040.6	7330.1	7435.6	7639.8	7707.3	7769.8	7728.4	7681.2
75°	4972.0	5203.2	5404.9	5536.6	5669.1	5929.9	5978.8	6105.4	6148.5	6108.0	6160.3
77.5°	2590.2	2746.3	2813.9	2708.4	2724.4	2930.3	2813.9	2950.6	3029.1	3051.9	3084.8
80°	495.4	520.7	540.2	533.4	540.2	555.3	516.5	495.4	523.3	517.4	517.4
82.5°	146.0	143.5	143.5	151.1	150.2	153.6	153.6	147.7	151.9	151.9	152.8
85°	66.7	63.3	62.5	63.3	62.5	62.5	65.0	65.0	70.1	65.8	66.7
87.5°	8.4	7.6	8.4	8.4	6.8	6.8	7.6	8.4	8.4	7.6	7.6
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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CATALOG NUMBER: TLM-E03-LED-E1-RW-8030

CANDELA DISTRIBUTION (continued):

	95°	96°	97°	98°	99°	100°	105°	115°	125°	135°	145°
0°	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0	1482.0
2.5°	1482.9	1482.0	1482.0	1482.0	1481.2	1480.4	1479.5	1477.0	1474.5	1473.6	1469.4
5°	1498.9	1499.8	1498.1	1496.4	1496.4	1496.4	1493.9	1487.1	1482.0	1479.5	1473.6
7.5°	1532.7	1531.0	1528.5	1527.6	1525.9	1526.8	1521.7	1513.3	1504.0	1498.1	1488.8
10°	1577.4	1575.7	1574.0	1572.4	1569.8	1569.8	1563.9	1551.3	1536.9	1526.8	1509.9
12.5°	1629.7	1628.1	1626.4	1625.5	1621.3	1620.5	1612.0	1596.8	1578.3	1558.9	1534.4
15°	1677.9	1675.3	1674.5	1671.9	1669.4	1668.6	1661.0	1640.7	1617.9	1596.0	1563.9
17.5°	1708.2	1706.5	1704.0	1702.3	1701.5	1700.6	1689.7	1672.8	1655.1	1633.1	1594.3
20°	1718.4	1719.2	1717.5	1715.8	1713.3	1711.6	1701.5	1685.4	1682.1	1670.3	1630.6
22.5°	1716.7	1716.7	1715.8	1712.5	1710.8	1706.5	1692.2	1684.6	1703.2	1708.2	1657.6
25°	1709.9	1709.1	1706.5	1704.0	1699.0	1693.0	1671.1	1675.3	1727.6	1736.9	1663.5
27.5°	1702.3	1701.5	1697.3	1691.4	1683.8	1675.3	1647.5	1675.3	1750.4	1742.8	1639.0
30°	1698.1	1694.7	1688.8	1680.4	1670.3	1661.0	1630.6	1697.3	1766.5	1722.6	1571.5
32.5°	1699.0	1693.0	1684.6	1673.6	1661.8	1650.8	1629.7	1736.1	1772.4	1673.6	1476.1
35°	1719.2	1709.9	1699.0	1688.0	1676.2	1666.0	1667.7	1790.1	1771.5	1600.2	1384.1
37.5°	1792.6	1776.6	1769.0	1757.2	1740.3	1731.9	1765.6	1850.0	1759.7	1510.7	1303.1
40°	1954.7	1941.2	1930.2	1899.8	1905.7	1899.0	1931.1	1931.9	1744.5	1435.6	1235.6
42.5°	2191.0	2191.0	2167.4	2163.1	2147.1	2154.7	2169.1	2028.1	1729.3	1390.9	1168.9
45°	2469.5	2490.6	2481.3	2478.8	2491.5	2506.7	2440.8	2142.0	1730.2	1352.1	1091.3
47.5°	2800.4	2818.1	2827.4	2842.6	2858.6	2849.3	2713.4	2261.9	1745.4	1296.4	991.7
50°	3152.3	3195.3	3208.9	3228.3	3242.6	3245.1	2971.7	2385.1	1761.4	1194.2	883.7
52.5°	3588.6	3629.2	3643.5	3657.0	3646.0	3636.8	3224.9	2531.1	1748.7	1072.7	791.7
55°	4101.8	4109.4	4106.9	4090.0	4080.7	4030.1	3459.5	2686.4	1650.0	960.5	703.9
57.5°	4636.0	4639.4	4609.0	4550.0	4481.6	4433.5	3684.9	2814.7	1440.7	870.2	617.0
60°	5323.9	5254.7	5203.2	5112.9	5001.5	4898.5	3926.2	2886.4	1240.7	783.2	519.1
62.5°	6154.4	6016.0	5904.6	5813.4	5648.8	5467.4	4234.3	2895.7	1119.1	700.5	407.6
65°	7229.6	7083.6	6893.7	6737.6	6559.5	6314.7	4731.4	2829.1	1059.2	604.3	297.9
67.5°	8076.1	7928.5	7715.8	7541.1	7311.5	7026.2	5143.3	2712.6	1044.9	517.4	234.6
69°	8223.8	8062.6	7871.1	7652.5	7408.6	7103.9	5159.3	2577.5	1022.9	484.5	215.2
70°	8169.8	8001.9	7817.0	7584.9	7311.5	6998.4	5037.8	2427.3	979.0	465.9	208.5
72.5°	7563.8	7308.1	7122.4	6924.1	6591.6	6274.2	4337.3	1836.5	762.1	392.5	195.0
75°	6055.6	5837.0	5627.7	5529.0	5253.0	4983.8	3256.1	1166.4	498.0	243.9	152.8
77.5°	3087.3	3047.7	3107.6	3062.8	2863.7	2863.7	2009.5	619.5	292.9	146.9	116.5
80°	554.5	578.1	567.2	590.8	549.4	610.2	706.4	416.1	207.6	112.3	95.4
82.5°	155.3	157.0	155.3	156.1	161.2	169.6	367.1	357.9	160.4	84.4	74.3
85°	72.6	73.4	75.1	75.1	81.9	83.6	246.4	256.6	93.7	46.4	49.8
87.5°	8.4	11.0	11.0	10.1	11.8	11.8	45.6	51.5	12.7	9.3	15.2
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: P148948

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CANDELA DISTRIBUTION (continued):

	155°	165°	175°	180°
0°	1482.0	1482.0	1482.0	1482.0
2.5°	1466.0	1462.6	1459.3	1461.8
5°	1471.1	1466.0	1461.8	1464.3
7.5°	1484.6	1476.1	1475.3	1475.3
10°	1501.5	1489.6	1486.3	1486.3
12.5°	1519.2	1503.1	1497.2	1497.2
15°	1537.8	1515.0	1506.5	1504.0
17.5°	1558.9	1526.8	1511.6	1511.6
20°	1579.1	1528.5	1505.7	1504.8
22.5°	1582.5	1509.1	1476.1	1474.5
25°	1557.2	1463.5	1420.4	1412.0
27.5°	1497.2	1392.6	1347.0	1345.3
30°	1406.9	1299.7	1253.3	1248.3
32.5°	1318.3	1204.4	1161.3	1161.3
35°	1228.9	1117.4	1061.7	1055.8
37.5°	1146.1	1025.4	975.7	974.8
40°	1070.2	945.3	897.2	889.6
42.5°	994.2	860.9	806.0	804.3
45°	903.9	768.9	721.6	717.4
47.5°	807.7	686.2	636.4	635.5
50°	720.8	609.4	559.6	559.6
52.5°	641.4	534.2	484.5	479.4
55°	552.0	449.0	398.4	392.5
57.5°	454.9	353.6	308.1	295.4
60°	351.9	257.4	211.0	204.2
62.5°	256.6	188.2	153.6	148.5
65°	193.3	160.4	131.7	126.6
67.5°	166.3	144.3	119.8	114.8
69°	154.5	136.7	114.8	109.7
70°	149.4	131.7	110.6	106.3
72.5°	137.6	120.7	101.3	99.6
75°	125.8	109.7	91.2	88.6
77.5°	121.5	95.4	78.5	76.8
80°	124.1	77.6	64.1	62.5
82.5°	101.3	62.5	49.8	47.3
85°	63.3	42.2	26.2	26.2
87.5°	16.0	13.5	7.6	7.6
90°	0.0	0.0	0.0	0.0

(END OF REPORT)