

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: P153538

Luminaire Tested: **TLM-E06-LED-E1-SLR-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P153538
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-E06-LED-E1-SLR-8030
Description: TALON MEDIUM LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (126) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

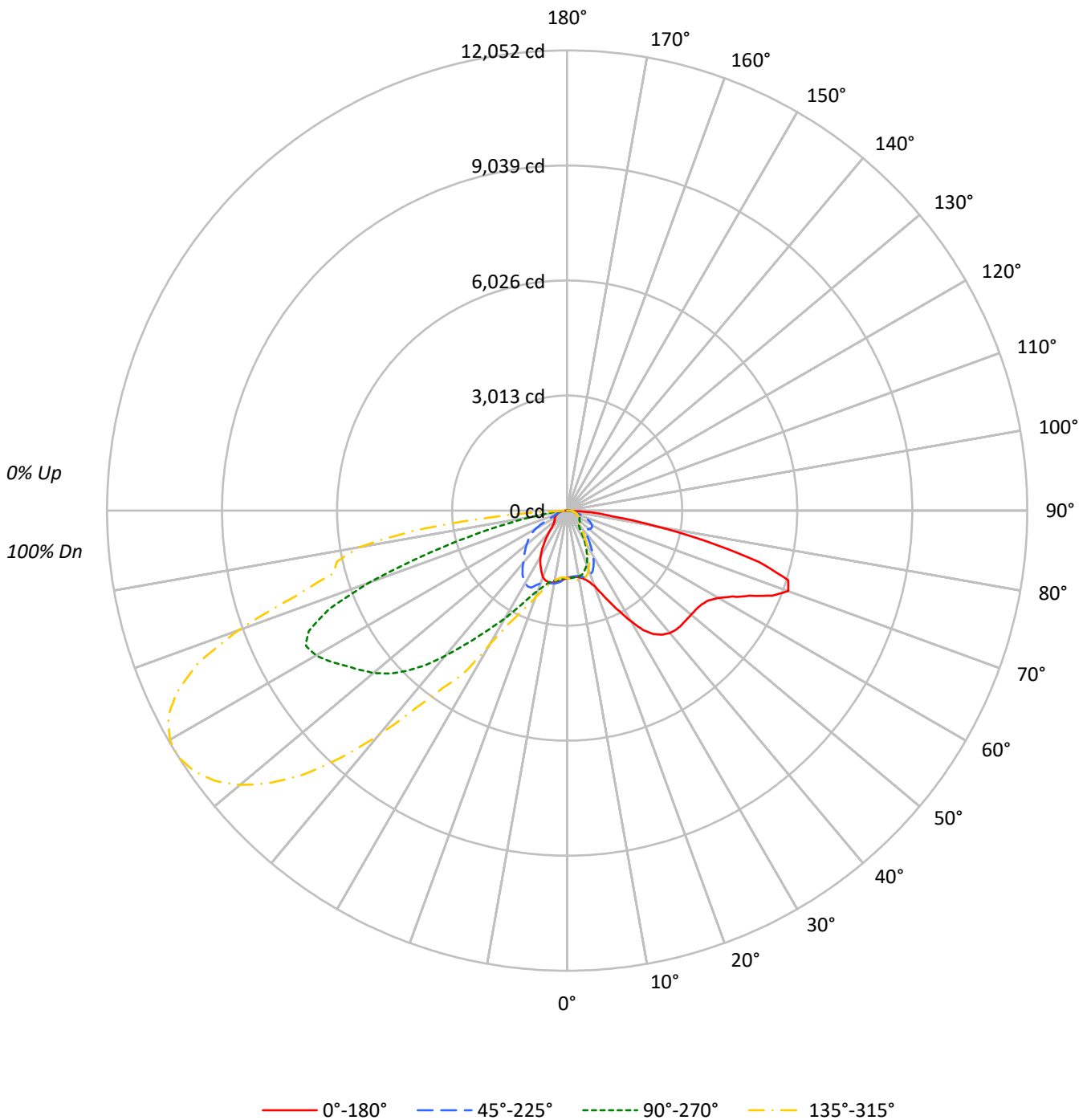
Lumens per Lamp: N/A
Luminaire Lumens: 14090.2 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Spacing Criteria (0/90/45): 1.93 / 2.48 / 2.48
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
CIE Type: Direct

Input Watts (W): 150.5
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



TEST NUMBER: P153538
CATALOG NUMBER: TLM-E06-LED-E1-SLR-8030

Luminous Intensity Polar Plot





TEST NUMBER: P153538

CATALOG NUMBER: TLM-E06-LED-E1-SLR-8030

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°	19060	19060	19060	19060
5°	18732	19059	19971	19552
10°	19372	19132	20866	20332
15°	20898	18622	21575	21971
20°	24150	17169	21269	25503
25°	31614	14494	19406	31234
30°	41666	11225	17309	40534
35°	51903	7674	13863	52457
40°	58822	6712	10152	69756
45°	64495	7040	7631	90344
50°	71005	7207	7293	110748
55°	80492	7381	7445	132886
60°	98440	8103	8103	163416
65°	134266	8425	8555	190153
70°	193900	8925	9032	173075
75°	216290	9407	9969	112040
80°	147845	10147	11406	54412
85°	95899	12511	13758	26479



TEST NUMBER: P153538

CATALOG NUMBER: TLM-E06-LED-E1-SLR-8030

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.4	1.2
10°-20°	536.8	3.8
20°-30°	953.7	6.8
30°-40°	1501.8	10.7
40°-50°	2210.2	15.7
50°-60°	2935.8	20.8
60°-70°	3233.8	23.0
70°-80°	2028.9	14.4
80°-90°	516.7	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°	1662.9	11.8
0°-40°	3164.7	22.5
0°-60°	8310.8	59.0
0°-90°	14090.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14090.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1771	1771	1771	1771	1771	
5°	1734	1764	1848	1810	1734	167
15°	1875	1671	1936	1972	1875	543
25°	2662	1220	1634	2630	2662	1256
35°	3950	584	1055	3992	3950	2448
45°	4237	462	501	5935	4237	3276
55°	4289	393	397	7081	4289	3891
65°	5272	331	336	7466	5272	5307
75°	5201	226	240	2694	5201	5086
85°	776	101	111	214	776	898
90°	0	0	0	0	0	



TEST NUMBER: P153538

CATALOG NUMBER: TLM-E06-LED-E1-SLR-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7
2.5°	1747.1	1752.1	1750.4	1750.4	1753.8	1752.1	1752.1	1753.8	1753.8	1758.9	1765.6
5°	1733.6	1731.9	1728.5	1731.9	1731.9	1731.9	1725.1	1730.2	1731.9	1735.2	1735.2
7.5°	1750.4	1745.4	1738.6	1740.3	1740.3	1736.9	1731.9	1733.6	1731.9	1731.9	1730.2
10°	1772.4	1760.6	1752.1	1752.1	1752.1	1748.7	1740.3	1745.4	1745.4	1743.7	1745.4
12.5°	1811.2	1797.7	1787.6	1784.2	1784.2	1779.1	1772.4	1779.1	1775.8	1775.8	1772.4
15°	1875.3	1860.2	1848.3	1838.2	1839.9	1839.9	1831.5	1826.4	1819.6	1811.2	1794.3
17.5°	1971.6	1954.7	1939.5	1931.1	1932.7	1920.9	1897.3	1873.7	1841.6	1809.5	1774.1
20°	2108.3	2103.2	2083.0	2074.5	2054.3	2025.6	1959.7	1904.0	1841.6	1780.8	1720.1
22.5°	2344.6	2321.0	2300.7	2268.6	2201.1	2121.8	2012.1	1914.2	1816.3	1730.2	1649.2
25°	2661.9	2619.7	2520.2	2422.3	2283.8	2142.0	1993.5	1866.9	1745.4	1632.3	1532.7
27.5°	2974.2	2845.9	2668.7	2491.5	2288.9	2103.2	1917.5	1767.3	1625.5	1502.3	1392.6
30°	3352.3	3136.3	2864.5	2584.3	2297.3	2047.5	1824.7	1649.2	1485.4	1355.4	1240.7
32.5°	3706.8	3394.5	3038.4	2670.4	2315.9	1995.2	1718.4	1519.2	1350.4	1186.7	1073.6
35°	3949.9	3544.8	3112.6	2678.8	2270.3	1895.6	1585.0	1350.4	1181.6	1029.7	896.3
37.5°	4095.0	3610.6	3116.0	2618.1	2164.0	1760.6	1416.2	1183.3	1028.0	882.8	778.2
40°	4186.2	3625.8	3072.1	2530.3	2029.0	1590.1	1247.4	1038.1	896.3	779.8	698.8
42.5°	4230.1	3602.2	3001.2	2418.9	1892.2	1438.2	1129.3	931.8	808.5	725.8	665.1
45°	4236.8	3560.0	2925.3	2317.6	1770.7	1328.4	1048.2	887.9	786.6	717.4	656.6
47.5°	4236.8	3522.8	2864.5	2243.3	1691.4	1281.2	1041.5	906.4	806.9	729.2	656.6
50°	4240.2	3511.0	2839.2	2206.2	1664.4	1306.5	1098.9	963.8	850.7	749.5	654.9
52.5°	4255.4	3526.2	2859.4	2234.9	1713.3	1407.8	1206.9	1049.9	908.1	773.1	654.9
55°	4289.2	3576.8	2945.5	2334.5	1845.0	1561.4	1336.9	1142.8	953.7	783.2	644.8
57.5°	4383.7	3705.1	3102.5	2526.9	2069.5	1738.6	1455.0	1208.6	970.6	774.8	624.6
60°	4572.7	3960.0	3370.9	2797.0	2307.5	1890.5	1524.2	1218.7	955.4	747.8	592.5
62.5°	4874.9	4252.0	3696.7	3090.7	2518.5	1974.9	1532.7	1193.4	914.9	698.8	545.2
63°	4979.5	4324.6	3765.9	3146.4	2545.5	1981.7	1525.9	1183.3	904.8	685.3	538.5
65°	5271.6	4630.1	4005.6	3342.2	2621.4	1983.4	1488.8	1132.6	857.5	633.0	491.2
67.5°	5816.8	5031.9	4307.7	3495.8	2648.4	1929.4	1394.3	1038.1	757.9	552.0	432.1
70°	6161.1	5256.4	4424.2	3499.2	2569.1	1775.8	1230.5	884.5	631.3	457.4	371.4
72.5°	6071.7	5035.2	4117.0	3183.5	2226.4	1483.7	989.2	695.4	492.9	366.3	308.9
75°	5200.7	4191.3	3359.1	2466.1	1682.9	1090.4	724.1	496.3	364.6	287.0	258.3
77.5°	3743.9	3016.4	2408.8	1757.2	1134.3	705.6	481.1	354.5	276.8	236.3	212.7
80°	2385.1	1769.0	1473.6	1056.7	663.4	437.2	330.8	268.4	227.9	197.5	182.3
82.5°	1245.7	872.7	709.0	540.2	368.0	288.6	243.1	219.4	187.4	163.7	155.3
85°	776.5	514.8	381.5	266.7	184.0	165.4	151.9	148.5	133.4	118.2	113.1
87.5°	87.8	79.3	82.7	52.3	38.8	42.2	40.5	54.0	52.3	38.8	40.5
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: P153538

CATALOG NUMBER: TLM-E06-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7
2.5°	1758.9	1762.3	1762.3	1767.3	1767.3	1770.7	1774.1	1774.1	1777.4	1779.1	1782.5
5°	1738.6	1738.6	1738.6	1745.4	1747.1	1757.2	1760.6	1763.9	1767.3	1779.1	1785.9
7.5°	1733.6	1726.8	1730.2	1730.2	1735.2	1743.7	1752.1	1757.2	1762.3	1777.4	1787.6
10°	1743.7	1738.6	1733.6	1733.6	1735.2	1738.6	1745.4	1750.4	1753.8	1769.0	1777.4
12.5°	1770.7	1758.9	1748.7	1740.3	1733.6	1731.9	1728.5	1730.2	1733.6	1742.0	1753.8
15°	1775.8	1753.8	1731.9	1709.9	1693.0	1682.9	1674.5	1671.1	1671.1	1676.2	1689.7
17.5°	1742.0	1704.9	1672.8	1644.1	1625.5	1607.0	1598.5	1591.8	1588.4	1595.1	1596.8
20°	1669.4	1625.5	1581.6	1547.9	1514.1	1509.1	1495.6	1498.9	1502.3	1512.4	1517.5
22.5°	1569.8	1517.5	1463.5	1428.0	1401.0	1377.4	1362.2	1369.0	1374.0	1384.1	1389.2
25°	1448.3	1372.3	1314.9	1279.5	1250.8	1230.5	1213.7	1220.4	1213.7	1225.5	1244.0
27.5°	1304.8	1215.3	1154.6	1114.1	1093.8	1076.9	1060.1	1060.1	1076.9	1076.9	1092.1
30°	1130.9	1065.1	985.8	943.6	918.3	908.1	906.4	903.1	914.9	921.6	938.5
32.5°	967.2	886.2	810.2	769.7	747.8	736.0	737.6	739.3	744.4	754.5	781.5
35°	801.8	730.9	676.9	631.3	609.4	587.4	587.4	584.0	589.1	600.9	633.0
37.5°	695.4	633.0	590.8	555.3	533.4	519.9	508.1	503.0	503.0	508.1	519.9
40°	636.4	590.8	552.0	521.6	501.3	489.5	482.8	477.7	474.3	474.3	476.0
42.5°	609.4	562.1	523.3	496.3	481.1	474.3	472.6	470.9	465.9	464.2	462.5
45°	595.9	541.8	498.0	476.0	464.2	460.8	462.5	462.5	460.8	457.4	450.7
47.5°	585.7	523.3	479.4	459.1	454.1	454.1	454.1	454.1	452.4	450.7	445.6
50°	568.8	494.6	447.3	432.1	428.7	428.7	430.4	430.4	433.8	430.4	427.1
52.5°	550.3	467.6	420.3	406.8	405.1	403.4	403.4	403.4	405.1	405.1	403.4
55°	530.0	447.3	406.8	396.7	398.4	396.7	395.0	393.3	393.3	391.6	388.2
57.5°	509.8	430.4	396.7	389.9	391.6	391.6	388.2	384.9	383.2	378.1	374.7
60°	479.4	406.8	376.4	373.0	378.1	378.1	378.1	376.4	376.4	374.7	366.3
62.5°	438.9	373.0	349.4	351.1	352.8	356.2	356.2	356.2	356.2	352.8	344.3
63°	430.4	366.3	344.3	344.3	349.4	349.4	351.1	349.4	351.1	347.7	337.6
65°	396.7	344.3	327.5	329.2	332.5	332.5	332.5	330.8	330.8	325.8	320.7
67.5°	357.9	317.3	307.2	308.9	310.6	314.0	312.3	312.3	314.0	310.6	305.5
70°	314.0	288.6	281.9	283.6	285.3	285.3	283.6	283.6	285.3	281.9	276.8
72.5°	280.2	270.1	265.0	265.0	261.6	261.6	258.3	256.6	254.9	254.9	249.8
75°	236.3	234.6	236.3	239.7	236.3	232.9	231.3	226.2	222.8	222.8	221.1
77.5°	202.6	202.6	205.9	211.0	212.7	212.7	207.6	199.2	197.5	197.5	197.5
80°	175.6	172.2	172.2	177.2	182.3	180.6	172.2	163.7	163.7	172.2	173.9
82.5°	153.6	153.6	148.5	150.2	148.5	146.9	138.4	133.4	131.7	138.4	145.2
85°	121.5	123.2	121.5	119.8	118.2	113.1	106.3	101.3	99.6	106.3	116.5
87.5°	49.0	47.3	45.6	47.3	45.6	49.0	47.3	43.9	42.2	47.3	57.4
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: P153538

CATALOG NUMBER: TLM-E06-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7
2.5°	1784.2	1787.6	1790.9	1790.9	1794.3	1792.6	1794.3	1796.0	1796.0	1797.7	1797.7
5°	1794.3	1799.4	1806.1	1812.9	1814.6	1819.6	1824.7	1821.3	1826.4	1833.1	1833.1
7.5°	1797.7	1809.5	1814.6	1824.7	1826.4	1833.1	1845.0	1836.5	1846.7	1851.7	1853.4
10°	1792.6	1804.5	1812.9	1824.7	1829.8	1841.6	1853.4	1850.0	1861.8	1870.3	1872.0
12.5°	1762.3	1774.1	1792.6	1809.5	1823.0	1841.6	1863.5	1856.8	1873.7	1883.8	1888.9
15°	1703.2	1715.0	1735.2	1762.3	1787.6	1816.3	1845.0	1850.0	1866.9	1878.7	1883.8
17.5°	1610.3	1625.5	1647.5	1676.2	1708.2	1757.2	1794.3	1812.9	1836.5	1843.3	1851.7
20°	1524.2	1539.4	1552.9	1569.8	1593.5	1640.7	1689.7	1726.8	1757.2	1782.5	1789.3
22.5°	1409.5	1423.0	1439.8	1453.4	1470.2	1504.0	1544.5	1586.7	1634.0	1649.2	1666.0
25°	1271.1	1279.5	1303.1	1311.6	1323.4	1352.1	1384.1	1414.5	1460.1	1492.2	1500.6
27.5°	1122.5	1130.9	1152.9	1158.0	1173.1	1200.2	1223.8	1235.6	1277.8	1311.6	1338.6
30°	950.3	972.3	999.3	1002.7	1019.5	1036.4	1058.4	1070.2	1109.0	1144.5	1178.2
32.5°	801.8	823.7	845.7	859.2	867.6	881.1	903.1	914.9	952.0	984.1	1017.9
35°	649.9	676.9	700.5	719.1	725.8	742.7	759.6	771.4	810.2	838.9	862.6
37.5°	535.1	555.3	580.7	599.2	617.8	629.6	649.9	666.8	690.4	705.6	730.9
40°	479.4	489.5	503.0	518.2	533.4	546.9	562.1	575.6	590.8	611.0	627.9
42.5°	460.8	462.5	462.5	467.6	476.0	482.8	496.3	506.4	516.5	531.7	540.2
45°	447.3	445.6	442.3	438.9	440.6	443.9	452.4	459.1	470.9	477.7	479.4
47.5°	440.6	433.8	427.1	422.0	420.3	422.0	428.7	435.5	442.3	447.3	449.0
50°	418.6	413.6	403.4	396.7	393.3	396.7	405.1	408.5	415.2	420.3	422.0
52.5°	396.7	389.9	383.2	376.4	376.4	378.1	384.9	391.6	398.4	400.1	403.4
55°	383.2	373.0	366.3	361.2	357.9	362.9	368.0	376.4	384.9	386.5	389.9
57.5°	369.7	359.5	352.8	347.7	344.3	349.4	354.5	366.3	376.4	376.4	376.4
60°	361.2	352.8	342.7	337.6	332.5	337.6	344.3	356.2	366.3	364.6	362.9
62.5°	337.6	329.2	324.1	324.1	319.0	327.5	334.2	347.7	349.4	346.0	342.7
63°	330.8	324.1	320.7	320.7	317.3	325.8	332.5	344.3	344.3	341.0	337.6
65°	314.0	308.9	305.5	308.9	308.9	317.3	319.0	327.5	325.8	320.7	319.0
67.5°	300.5	297.1	293.7	293.7	293.7	295.4	297.1	300.5	298.8	297.1	298.8
70°	278.5	276.8	273.5	273.5	271.8	271.8	271.8	273.5	273.5	275.1	276.8
72.5°	251.5	248.1	248.1	249.8	246.4	248.1	249.8	248.1	251.5	251.5	253.2
75°	221.1	219.4	222.8	226.2	224.5	224.5	226.2	226.2	227.9	227.9	229.6
77.5°	197.5	199.2	200.9	204.2	205.9	205.9	205.9	204.2	205.9	205.9	207.6
80°	175.6	178.9	182.3	185.7	187.4	187.4	187.4	185.7	185.7	185.7	185.7
82.5°	158.7	163.7	167.1	168.8	168.8	168.8	168.8	168.8	168.8	165.4	162.0
85°	133.4	143.5	143.5	145.2	140.1	136.7	133.4	135.0	136.7	130.0	128.3
87.5°	67.5	67.5	70.9	74.3	76.0	76.0	86.1	81.0	79.3	77.6	74.3
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: P153538

CATALOG NUMBER: TLM-E06-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7
2.5°	1799.4	1797.7	1801.1	1797.7	1799.4	1801.1	1797.7	1802.8	1806.1	1801.1	1796.0
5°	1836.5	1836.5	1845.0	1848.3	1850.0	1860.2	1855.1	1858.5	1861.8	1860.2	1861.8
7.5°	1860.2	1866.9	1875.3	1883.8	1885.5	1893.9	1892.2	1897.3	1900.7	1909.1	1909.1
10°	1880.4	1888.9	1900.7	1909.1	1917.5	1924.3	1927.7	1937.8	1939.5	1946.2	1946.2
12.5°	1899.0	1909.1	1920.9	1934.4	1942.9	1956.4	1958.1	1973.3	1978.3	1980.0	1974.9
15°	1895.6	1907.4	1920.9	1936.1	1951.3	1968.2	1978.3	1993.5	2001.9	2005.3	1996.9
17.5°	1863.5	1873.7	1890.5	1910.8	1929.4	1951.3	1969.9	1991.8	2005.3	2008.7	2007.0
20°	1801.1	1807.8	1829.8	1856.8	1878.7	1912.5	1939.5	1973.3	1995.2	2012.1	2017.1
22.5°	1677.9	1694.7	1716.7	1747.1	1779.1	1821.3	1860.2	1909.1	1956.4	1996.9	2037.4
25°	1529.3	1559.7	1593.5	1634.0	1672.8	1716.7	1760.6	1816.3	1885.5	1969.9	2066.1
27.5°	1379.1	1431.4	1473.6	1525.9	1571.5	1615.4	1664.4	1725.1	1801.1	1902.4	2025.6
30°	1227.2	1286.2	1331.8	1392.6	1453.4	1512.4	1561.4	1625.5	1699.8	1802.8	1937.8
32.5°	1065.1	1124.2	1178.2	1233.9	1301.4	1372.3	1431.4	1510.7	1590.1	1696.4	1833.1
35°	898.0	950.3	995.9	1055.0	1129.3	1205.2	1282.9	1374.0	1460.1	1571.5	1716.7
37.5°	752.8	790.0	833.9	886.2	943.6	1024.6	1112.4	1220.4	1318.3	1439.8	1588.4
40°	633.0	653.2	678.6	722.5	774.8	854.1	940.2	1055.0	1173.1	1306.5	1450.0
42.5°	540.2	550.3	557.0	585.7	627.9	705.6	788.3	899.7	1029.7	1174.8	1320.0
45°	479.4	484.5	486.1	501.3	531.7	599.2	685.3	779.8	904.8	1046.5	1198.5
47.5°	450.7	455.8	459.1	462.5	481.1	533.4	611.0	700.5	815.3	945.3	1100.6
50°	427.1	432.1	437.2	435.5	443.9	477.7	543.5	626.2	734.3	854.1	1007.7
52.5°	403.4	406.8	406.8	406.8	411.9	433.8	481.1	557.0	656.6	769.7	921.6
55°	389.9	393.3	395.0	396.7	398.4	410.2	445.6	506.4	592.5	697.1	833.9
57.5°	376.4	378.1	381.5	383.2	386.5	393.3	415.2	459.1	531.7	619.5	734.3
60°	364.6	368.0	374.7	376.4	379.8	381.5	391.6	418.6	465.9	533.4	626.2
62.5°	346.0	351.1	357.9	359.5	362.9	364.6	366.3	381.5	403.4	443.9	513.1
63°	341.0	346.0	354.5	356.2	357.9	357.9	359.5	369.7	389.9	425.4	476.0
65°	322.4	329.2	334.2	335.9	337.6	337.6	335.9	339.3	341.0	356.2	386.5
67.5°	302.1	307.2	310.6	312.3	310.6	312.3	310.6	307.2	303.8	307.2	320.7
70°	281.9	285.3	285.3	287.0	288.6	290.3	287.0	283.6	280.2	278.5	287.0
72.5°	258.3	261.6	261.6	263.3	263.3	266.7	266.7	265.0	265.0	266.7	268.4
75°	234.6	238.0	236.3	239.7	239.7	244.8	244.8	246.4	249.8	248.1	246.4
77.5°	212.7	214.4	214.4	216.1	217.7	226.2	231.3	232.9	232.9	229.6	226.2
80°	189.1	189.1	185.7	184.0	185.7	194.1	204.2	205.9	211.0	209.3	211.0
82.5°	158.7	151.9	146.9	146.9	150.2	155.3	158.7	162.0	165.4	165.4	168.8
85°	121.5	114.8	109.7	111.4	116.5	118.2	116.5	116.5	123.2	128.3	123.2
87.5°	72.6	65.8	62.5	57.4	59.1	64.1	62.5	57.4	59.1	47.3	43.9
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: P153538

CATALOG NUMBER: TLM-E06-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7
2.5°	1799.4	1797.7	1794.3	1789.3	1787.6	1784.2	1785.9	1780.8	1777.4	1774.1	1769.0
5°	1861.8	1861.8	1851.7	1851.7	1846.7	1845.0	1833.1	1828.1	1818.0	1821.3	1809.5
7.5°	1905.7	1910.8	1899.0	1897.3	1890.5	1888.9	1873.7	1868.6	1860.2	1856.8	1846.7
10°	1937.8	1937.8	1922.6	1910.8	1902.4	1893.9	1878.7	1872.0	1865.2	1866.9	1860.2
12.5°	1963.1	1951.3	1929.4	1912.5	1900.7	1892.2	1880.4	1875.3	1873.7	1885.5	1887.2
15°	1983.4	1966.5	1939.5	1927.7	1917.5	1915.9	1915.9	1920.9	1932.7	1954.7	1971.6
17.5°	1995.2	1985.1	1971.6	1968.2	1985.1	1995.2	2008.7	2023.9	2040.8	2071.2	2089.7
20°	2017.1	2023.9	2034.0	2047.5	2074.5	2099.8	2116.7	2138.7	2158.9	2196.1	2226.4
22.5°	2074.5	2113.4	2145.4	2172.4	2212.9	2248.4	2270.3	2300.7	2315.9	2341.2	2388.5
25°	2148.8	2228.1	2295.7	2353.0	2415.5	2452.6	2483.0	2521.8	2545.5	2587.7	2629.9
27.5°	2126.9	2240.0	2341.2	2447.6	2533.7	2629.9	2697.4	2761.5	2802.0	2864.5	2920.2
30°	2059.3	2194.4	2331.1	2471.2	2607.9	2746.3	2874.6	2991.1	3080.6	3170.0	3261.2
32.5°	1968.2	2123.5	2290.6	2462.8	2641.7	2834.1	3011.4	3186.9	3335.5	3465.4	3592.0
35°	1863.5	2039.1	2212.9	2425.6	2646.8	2891.5	3138.0	3381.0	3607.2	3836.8	3992.1
37.5°	1738.6	1917.5	2111.7	2356.4	2616.4	2918.5	3232.5	3549.8	3870.5	4179.4	4447.8
40°	1605.3	1787.6	1991.8	2256.8	2550.5	2901.6	3293.3	3720.3	4160.9	4608.2	4964.4
42.5°	1487.1	1674.5	1897.3	2165.7	2484.7	2879.7	3342.2	3867.2	4405.6	4959.3	5482.6
45°	1372.3	1578.3	1812.9	2101.5	2456.0	2896.6	3414.8	4003.9	4625.1	5296.9	5934.9
47.5°	1269.4	1478.7	1706.5	2022.2	2413.8	2905.0	3485.7	4140.6	4832.7	5560.2	6318.1
50°	1176.5	1379.1	1603.6	1920.9	2348.0	2900.0	3549.8	4263.8	5011.6	5767.8	6613.5
52.5°	1085.4	1291.3	1520.9	1823.0	2267.0	2871.3	3580.2	4365.1	5177.0	5977.1	6851.5
55°	995.9	1198.5	1429.7	1730.2	2160.6	2797.0	3576.8	4431.0	5308.7	6174.6	7081.1
57.5°	891.3	1083.7	1309.9	1627.2	2047.5	2682.2	3526.2	4461.3	5421.8	6370.4	7356.2
60°	761.3	941.9	1159.6	1477.0	1899.0	2535.3	3419.9	4444.5	5487.6	6515.6	7590.9
62.5°	600.9	757.9	957.1	1267.7	1713.3	2324.4	3220.7	4290.8	5383.0	6495.4	7700.6
63°	567.2	715.7	909.8	1217.0	1634.0	2267.0	3161.6	4230.1	5332.3	6453.2	7685.4
65°	455.8	552.0	707.3	982.4	1367.3	1985.1	2867.9	3917.8	5060.6	6156.1	7465.9
67.5°	349.4	398.4	481.1	673.5	967.2	1561.4	2322.7	3320.3	4392.1	5421.8	6758.7
70°	298.8	320.7	356.2	447.3	614.4	985.8	1630.6	2476.3	3404.7	4297.6	5499.4
72.5°	271.8	281.9	300.5	339.3	422.0	590.8	1039.8	1612.0	2315.9	3063.7	3992.1
75°	249.8	258.3	273.5	293.7	324.1	393.3	592.5	985.8	1505.7	2012.1	2694.0
77.5°	227.9	232.9	249.8	268.4	288.6	324.1	391.6	567.2	865.9	1186.7	1623.8
80°	209.3	205.9	217.7	248.1	268.4	288.6	308.9	368.0	492.9	649.9	877.8
82.5°	167.1	170.5	180.6	211.0	219.4	214.4	217.7	227.9	275.1	300.5	449.0
85°	113.1	104.7	103.0	106.3	106.3	101.3	101.3	99.6	109.7	124.9	214.4
87.5°	30.4	15.2	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: P153538

CATALOG NUMBER: TLM-E06-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7
2.5°	1765.6	1763.9	1765.6	1757.2	1757.2	1755.5	1753.8	1750.4	1750.4	1743.7	1748.7
5°	1799.4	1796.0	1789.3	1779.1	1774.1	1767.3	1767.3	1760.6	1755.5	1748.7	1750.4
7.5°	1838.2	1839.9	1828.1	1819.6	1816.3	1809.5	1811.2	1801.1	1802.8	1797.7	1794.3
10°	1860.2	1860.2	1863.5	1861.8	1865.2	1865.2	1870.3	1863.5	1860.2	1855.1	1855.1
12.5°	1895.6	1902.4	1915.9	1915.9	1926.0	1929.4	1931.1	1934.4	1927.7	1924.3	1912.5
15°	1983.4	2000.3	2012.1	2029.0	2049.2	2056.0	2056.0	2049.2	2045.8	2040.8	2018.8
17.5°	2128.5	2165.7	2175.8	2202.8	2206.2	2214.6	2238.3	2224.8	2216.3	2180.9	2174.1
20°	2277.1	2324.4	2371.6	2405.4	2422.3	2456.0	2461.1	2454.3	2420.6	2386.8	2371.6
22.5°	2456.0	2526.9	2580.9	2633.3	2658.6	2675.5	2712.6	2704.1	2677.1	2626.5	2606.2
25°	2709.2	2797.0	2854.4	2918.5	2952.3	2969.2	3006.3	3006.3	2977.6	2962.4	2960.7
27.5°	3028.2	3136.3	3230.8	3252.7	3340.5	3360.8	3396.2	3396.2	3369.2	3350.6	3440.1
30°	3382.7	3495.8	3659.5	3769.3	3875.6	3980.3	3978.6	3985.3	4017.4	4034.3	4073.1
32.5°	3737.2	3877.3	4051.2	4289.2	4517.0	4711.2	4962.7	5123.0	5074.1	4937.3	4883.3
35°	4167.6	4322.9	4533.9	4773.6	5190.5	5442.1	5563.6	5649.7	5659.8	5678.4	5717.2
37.5°	4647.0	4907.0	5151.7	5423.5	5654.7	5960.3	6242.2	6468.3	6520.7	6627.0	6566.2
40°	5253.0	5543.3	5799.9	6151.0	6461.6	6829.6	7233.0	7543.6	7668.5	7628.0	7324.2
42.5°	5887.7	6247.2	6547.7	6961.2	7364.7	7850.8	8267.7	8701.5	8779.2	8466.9	8012.8
45°	6471.7	6917.3	7290.4	7720.8	8213.7	8796.1	9353.1	9798.7	9783.5	9248.5	8640.8
47.5°	6996.7	7543.6	7999.3	8559.8	9089.8	9783.5	10423.3	10752.4	10558.3	9925.3	9180.9
50°	7430.5	8112.4	8674.5	9241.7	9915.2	10750.8	11366.9	11552.5	11177.8	10489.1	9705.9
52.5°	7779.9	8635.7	9267.0	9920.3	10771.0	11650.5	12180.5	12111.3	11626.8	10919.6	10139.7
55°	8075.3	9035.8	9788.6	10560.0	11615.0	12425.2	12778.0	12592.3	11915.5	11198.1	10436.8
57.5°	8380.8	9424.0	10268.0	11162.6	12337.5	13032.9	13228.7	12847.2	12052.2	11304.4	10565.1
60°	8686.4	9748.1	10691.7	11689.3	12884.4	13529.2	13475.2	12904.6	12011.7	11226.8	10479.0
62.5°	8892.3	9940.5	10938.1	12013.4	13294.5	13782.4	13451.5	12700.4	11777.0	10921.2	10222.4
63°	8897.4	9947.3	10953.3	12035.3	13340.1	13790.8	13406.0	12627.8	11702.8	10858.8	10146.5
65°	8791.0	9820.7	10818.3	11935.7	13301.3	13596.7	13012.7	12199.0	11279.1	10426.7	9751.5
67.5°	8247.5	9297.4	10178.5	11231.8	12605.8	12690.2	11959.4	11302.7	10475.6	9592.8	8887.2
70°	7152.0	8024.7	8888.9	9768.4	10921.2	10906.1	10219.0	9884.8	9160.7	8154.6	7589.2
72.5°	5688.5	6471.7	7079.4	7668.5	8428.1	8274.5	7832.2	7925.1	7455.8	6704.7	6368.8
75°	4223.3	5084.2	5381.3	5621.0	5941.7	5943.4	6064.9	6328.2	6321.5	5904.6	5480.9
77.5°	2770.0	3711.9	3811.5	4003.9	4388.8	4912.0	5452.2	6032.8	6178.0	5848.9	5222.6
80°	1544.5	2523.5	2408.8	2574.2	2989.4	3700.1	4496.8	5138.2	5516.3	5332.3	4669.0
82.5°	790.0	1455.0	1390.9	1620.5	1956.4	2574.2	3100.8	3593.7	4039.3	4014.0	3762.5
85°	410.2	796.7	906.4	1026.3	1195.1	1416.2	1615.4	1758.9	1944.6	2272.0	2383.4
87.5°	0.0	0.0	0.0	0.0	0.0	1.7	0.0	121.5	87.8	241.4	344.3
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: P153538

CATALOG NUMBER: TLM-E06-LED-E1-SLR-8030

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7
2.5°	1750.4	1752.1	1748.7	1748.7	1750.4	1750.4	1747.1
5°	1747.1	1747.1	1743.7	1740.3	1736.9	1736.9	1733.6
7.5°	1785.9	1785.9	1774.1	1769.0	1760.6	1753.8	1750.4
10°	1843.3	1833.1	1819.6	1809.5	1796.0	1780.8	1772.4
12.5°	1900.7	1885.5	1868.6	1853.4	1836.5	1819.6	1811.2
15°	1995.2	1974.9	1953.0	1934.4	1910.8	1885.5	1875.3
17.5°	2140.4	2108.3	2079.6	2052.6	2010.4	1991.8	1971.6
20°	2332.8	2285.5	2248.4	2202.8	2150.5	2133.6	2108.3
22.5°	2565.7	2525.2	2450.9	2417.2	2364.9	2339.5	2344.6
25°	2920.2	2867.9	2781.8	2749.7	2744.7	2689.0	2661.9
27.5°	3382.7	3386.1	3306.8	3220.7	3173.4	3085.6	2974.2
30°	4041.0	3995.5	3902.6	3814.8	3703.4	3538.0	3352.3
32.5°	4837.8	4736.5	4582.9	4419.1	4221.6	3966.8	3706.8
35°	5615.9	5438.7	5193.9	4920.5	4635.2	4317.9	3949.9
37.5°	6299.5	6024.4	5658.1	5344.2	4940.7	4544.0	4095.0
40°	6924.1	6583.1	6110.5	5703.7	5227.7	4717.9	4186.2
42.5°	7528.4	7096.3	6517.3	5967.0	5428.5	4834.4	4230.1
45°	8104.0	7547.0	6860.0	6205.0	5575.4	4910.3	4236.8
47.5°	8546.3	7938.6	7167.2	6377.2	5676.7	4967.7	4236.8
50°	8956.4	8269.4	7401.8	6512.2	5771.2	5006.6	4240.2
52.5°	9275.5	8502.4	7553.7	6608.4	5845.5	5035.2	4255.4
55°	9506.7	8654.3	7655.0	6667.5	5899.5	5075.8	4289.2
57.5°	9668.8	8753.9	7710.7	6719.9	5965.3	5146.7	4383.7
60°	9746.4	8937.9	7803.5	6824.5	6078.4	5296.9	4572.7
62.5°	9687.3	9223.1	8068.6	7001.7	6235.4	5531.5	4874.9
63°	9662.0	9275.5	8141.1	7040.6	6270.9	5582.2	4979.5
65°	9464.5	9327.8	8439.9	7236.4	6439.7	5806.7	5271.6
67.5°	8851.8	9121.9	8691.4	7567.2	6802.6	6351.9	5816.8
70°	8058.4	8816.3	8645.8	7609.4	7033.8	6799.2	6161.1
72.5°	7108.1	7893.0	7734.3	7047.3	6778.9	6804.3	6071.7
75°	5594.0	6183.1	6078.4	5837.0	5891.1	6076.7	5200.7
77.5°	4481.6	4402.3	4160.9	4177.8	4490.0	4707.8	3743.9
80°	3661.2	2964.1	2650.1	2658.6	3203.8	3430.0	2385.1
82.5°	3484.0	2803.7	2283.8	1995.2	2331.1	2245.0	1245.7
85°	2481.3	2486.4	2062.7	1676.2	1623.8	1380.8	776.5
87.5°	587.4	470.9	335.9	249.8	263.3	173.9	87.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)