

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: P153543

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P153543
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-8030
Description: TALON MEDIUM LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

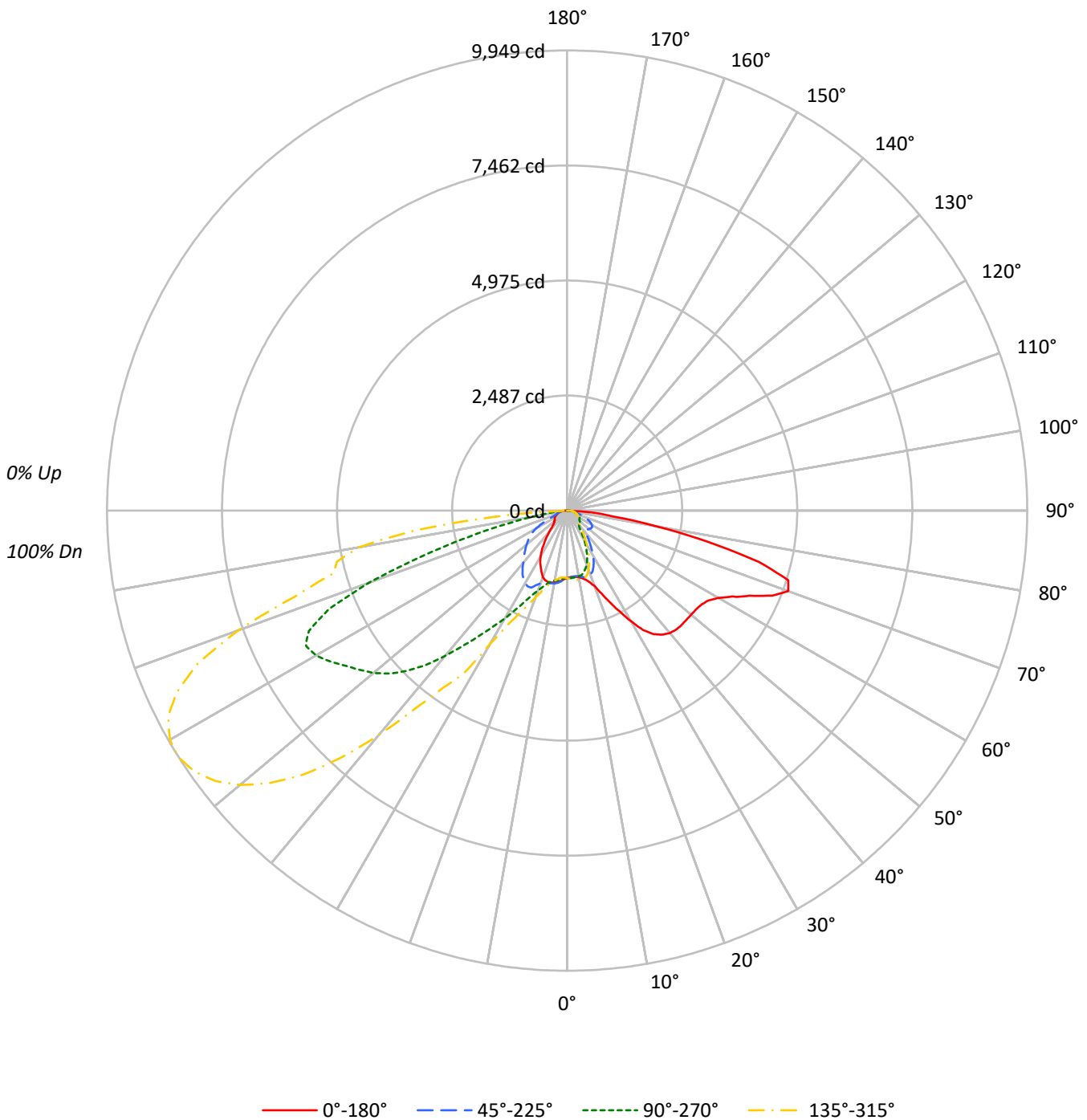
Lumens per Lamp: N/A
Luminaire Lumens: 11631.8 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Spacing Criteria (0/90/45): 1.93 / 2.48 / 2.48
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
CIE Type: Direct

Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (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



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



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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	1456	1526	1494	1431	138
15°	1548	1380	1598	1628	1548	448
25°	2198	1008	1349	2171	2198	1037
35°	3261	482	871	3296	3261	2020
45°	3498	382	414	4899	3498	2704
55°	3541	325	328	5846	3541	3212
65°	4352	273	277	6163	4352	4381
75°	4293	187	198	2224	4293	4199
85°	641	84	92	177	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	1446.4	1445.0	1445.0	1447.8	1446.4	1446.4	1447.8	1447.8	1452.0	1457.6
5°	1431.1	1429.7	1426.9	1429.7	1429.7	1429.7	1424.1	1428.3	1429.7	1432.5	1432.5
7.5°	1445.0	1440.8	1435.3	1436.7	1436.7	1433.9	1429.7	1431.1	1429.7	1429.7	1428.3
10°	1463.1	1453.4	1446.4	1446.4	1446.4	1443.6	1436.7	1440.8	1440.8	1439.5	1440.8
12.5°	1495.2	1484.0	1475.7	1472.9	1472.9	1468.7	1463.1	1468.7	1465.9	1465.9	1463.1
15°	1548.1	1535.6	1525.9	1517.5	1518.9	1518.9	1511.9	1507.7	1502.2	1495.2	1481.3
17.5°	1627.6	1613.6	1601.1	1594.1	1595.5	1585.8	1566.3	1546.8	1520.3	1493.8	1464.5
20°	1740.4	1736.3	1719.5	1712.6	1695.9	1672.2	1617.8	1571.8	1520.3	1470.1	1419.9
22.5°	1935.5	1916.0	1899.3	1872.8	1817.1	1751.6	1661.0	1580.2	1499.4	1428.3	1361.4
25°	2197.5	2162.7	2080.5	1999.6	1885.4	1768.3	1645.7	1541.2	1440.8	1347.5	1265.3
27.5°	2455.3	2349.4	2203.1	2056.8	1889.5	1736.3	1583.0	1459.0	1341.9	1240.2	1149.6
30°	2767.4	2589.1	2364.7	2133.4	1896.5	1690.3	1506.3	1361.4	1226.3	1119.0	1024.2
32.5°	3060.1	2802.3	2508.2	2204.5	1911.8	1647.1	1418.6	1254.1	1114.8	979.6	886.2
35°	3260.7	2926.3	2569.6	2211.4	1874.2	1564.9	1308.5	1114.8	975.4	850.0	739.9
37.5°	3380.6	2980.6	2572.3	2161.3	1786.4	1453.4	1169.1	976.8	848.6	728.8	642.4
40°	3455.8	2993.2	2536.1	2088.8	1675.0	1312.6	1029.8	857.0	739.9	643.8	576.9
42.5°	3492.0	2973.7	2477.6	1996.8	1562.1	1187.2	932.2	769.2	667.5	599.2	549.0
45°	3497.6	2938.8	2414.9	1913.2	1461.8	1096.7	865.3	733.0	649.4	592.2	542.1
47.5°	3497.6	2908.2	2364.7	1851.9	1396.3	1057.6	859.8	748.3	666.1	602.0	542.1
50°	3500.4	2898.4	2343.8	1821.3	1374.0	1078.5	907.1	795.7	702.3	618.7	540.7
52.5°	3512.9	2911.0	2360.5	1845.0	1414.4	1162.2	996.3	866.7	749.7	638.2	540.7
55°	3540.8	2952.8	2431.6	1927.2	1523.1	1289.0	1103.6	943.4	787.3	646.6	532.3
57.5°	3618.8	3058.7	2561.2	2086.0	1708.4	1435.3	1201.2	997.7	801.2	639.6	515.6
60°	3774.9	3269.1	2782.8	2309.0	1904.9	1560.7	1258.3	1006.1	788.7	617.3	489.1
62.5°	4024.3	3510.2	3051.7	2551.4	2079.1	1630.4	1265.3	985.2	755.3	576.9	450.1
63°	4110.7	3570.1	3108.8	2597.4	2101.4	1635.9	1259.7	976.8	746.9	565.7	444.5
65°	4351.8	3822.3	3306.7	2759.1	2164.1	1637.3	1229.0	935.0	707.9	522.6	405.5
67.5°	4801.9	4153.9	3556.1	2885.9	2186.4	1592.7	1151.0	857.0	625.7	455.7	356.7
70°	5086.2	4339.3	3652.3	2888.7	2120.9	1465.9	1015.8	730.2	521.2	377.6	306.6
72.5°	5012.3	4156.7	3398.7	2628.1	1838.0	1224.9	816.6	574.1	406.9	302.4	255.0
75°	4293.3	3460.0	2773.0	2035.9	1389.3	900.2	597.8	409.7	301.0	236.9	213.2
77.5°	3090.7	2490.1	1988.5	1450.6	936.4	582.5	397.1	292.6	228.5	195.1	175.6
80°	1969.0	1460.4	1216.5	872.3	547.6	360.9	273.1	221.6	188.1	163.0	150.5
82.5°	1028.4	720.4	585.3	445.9	303.8	238.3	200.7	181.2	154.7	135.2	128.2
85°	641.0	425.0	314.9	220.2	151.9	136.6	125.4	122.6	110.1	97.5	93.4
87.5°	72.5	65.5	68.3	43.2	32.0	34.8	33.4	44.6	43.2	32.0	33.4
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°	1452.0	1454.8	1454.8	1459.0	1459.0	1461.8	1464.5	1464.5	1467.3	1468.7	1471.5
5°	1435.3	1435.3	1435.3	1440.8	1442.2	1450.6	1453.4	1456.2	1459.0	1468.7	1474.3
7.5°	1431.1	1425.5	1428.3	1428.3	1432.5	1439.5	1446.4	1450.6	1454.8	1467.3	1475.7
10°	1439.5	1435.3	1431.1	1431.1	1432.5	1435.3	1440.8	1445.0	1447.8	1460.4	1467.3
12.5°	1461.8	1452.0	1443.6	1436.7	1431.1	1429.7	1426.9	1428.3	1431.1	1438.1	1447.8
15°	1465.9	1447.8	1429.7	1411.6	1397.7	1389.3	1382.3	1379.5	1379.5	1383.7	1394.9
17.5°	1438.1	1407.4	1380.9	1357.2	1341.9	1326.6	1319.6	1314.0	1311.3	1316.8	1318.2
20°	1378.1	1341.9	1305.7	1277.8	1249.9	1245.8	1234.6	1237.4	1240.2	1248.6	1252.7
22.5°	1295.9	1252.7	1208.1	1178.9	1156.6	1137.1	1124.5	1130.1	1134.3	1142.6	1146.8
25°	1195.6	1132.9	1085.5	1056.3	1032.6	1015.8	1001.9	1007.5	1001.9	1011.7	1027.0
27.5°	1077.2	1003.3	953.1	919.7	903.0	889.0	875.1	875.1	889.0	889.0	901.6
30°	933.6	879.3	813.8	779.0	758.0	749.7	748.3	745.5	755.3	760.8	774.8
32.5°	798.5	731.6	668.9	635.4	617.3	607.6	608.9	610.3	614.5	622.9	645.2
35°	661.9	603.4	558.8	521.2	503.0	484.9	484.9	482.1	486.3	496.1	522.6
37.5°	574.1	522.6	487.7	458.5	440.3	429.2	419.4	415.3	415.3	419.4	429.2
40°	525.3	487.7	455.7	430.6	413.9	404.1	398.5	394.4	391.6	391.6	393.0
42.5°	503.0	464.0	432.0	409.7	397.1	391.6	390.2	388.8	384.6	383.2	381.8
45°	491.9	447.3	411.1	393.0	383.2	380.4	381.8	381.8	380.4	377.6	372.1
47.5°	483.5	432.0	395.7	379.0	374.8	374.8	374.8	374.8	373.5	372.1	367.9
50°	469.6	408.3	369.3	356.7	353.9	353.9	355.3	355.3	358.1	355.3	352.5
52.5°	454.3	386.0	347.0	335.8	334.4	333.0	333.0	333.0	334.4	334.4	333.0
55°	437.5	369.3	335.8	327.5	328.9	327.5	326.1	324.7	324.7	323.3	320.5
57.5°	420.8	355.3	327.5	321.9	323.3	323.3	320.5	317.7	316.3	312.1	309.4
60°	395.7	335.8	310.7	308.0	312.1	312.1	312.1	310.7	310.7	309.4	302.4
62.5°	362.3	308.0	288.4	289.8	291.2	294.0	294.0	294.0	294.0	291.2	284.3
63°	355.3	302.4	284.3	284.3	288.4	288.4	289.8	288.4	289.8	287.1	278.7
65°	327.5	284.3	270.3	271.7	274.5	274.5	274.5	273.1	273.1	268.9	264.8
67.5°	295.4	262.0	253.6	255.0	256.4	259.2	257.8	257.8	259.2	256.4	252.2
70°	259.2	238.3	232.7	234.1	235.5	235.5	234.1	234.1	235.5	232.7	228.5
72.5°	231.3	223.0	218.8	218.8	216.0	216.0	213.2	211.8	210.4	210.4	206.2
75°	195.1	193.7	195.1	197.9	195.1	192.3	190.9	186.7	183.9	183.9	182.5
77.5°	167.2	167.2	170.0	174.2	175.6	175.6	171.4	164.4	163.0	163.0	163.0
80°	144.9	142.1	142.1	146.3	150.5	149.1	142.1	135.2	135.2	142.1	143.5
82.5°	126.8	126.8	122.6	124.0	122.6	121.2	114.3	110.1	108.7	114.3	119.8
85°	100.3	101.7	100.3	98.9	97.5	93.4	87.8	83.6	82.2	87.8	96.1
87.5°	40.4	39.0	37.6	39.0	37.6	40.4	39.0	36.2	34.8	39.0	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



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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°	1472.9	1475.7	1478.5	1478.5	1481.3	1479.9	1481.3	1482.7	1482.7	1484.0	1484.0
5°	1481.3	1485.4	1491.0	1496.6	1498.0	1502.2	1506.3	1503.6	1507.7	1513.3	1513.3
7.5°	1484.0	1493.8	1498.0	1506.3	1507.7	1513.3	1523.1	1516.1	1524.5	1528.6	1530.0
10°	1479.9	1489.6	1496.6	1506.3	1510.5	1520.3	1530.0	1527.2	1537.0	1544.0	1545.4
12.5°	1454.8	1464.5	1479.9	1493.8	1504.9	1520.3	1538.4	1532.8	1546.8	1555.1	1559.3
15°	1406.0	1415.8	1432.5	1454.8	1475.7	1499.4	1523.1	1527.2	1541.2	1550.9	1555.1
17.5°	1329.4	1341.9	1360.0	1383.7	1410.2	1450.6	1481.3	1496.6	1516.1	1521.7	1528.6
20°	1258.3	1270.8	1282.0	1295.9	1315.4	1354.5	1394.9	1425.5	1450.6	1471.5	1477.1
22.5°	1163.5	1174.7	1188.6	1199.8	1213.7	1241.6	1275.0	1309.9	1348.9	1361.4	1375.4
25°	1049.3	1056.3	1075.8	1082.7	1092.5	1116.2	1142.6	1167.7	1205.4	1231.8	1238.8
27.5°	926.7	933.6	951.7	955.9	968.5	990.8	1010.3	1020.0	1054.9	1082.7	1105.0
30°	784.5	802.6	824.9	827.7	841.7	855.6	873.7	883.5	915.5	944.8	972.6
32.5°	661.9	680.0	698.1	709.3	716.2	727.4	745.5	755.3	785.9	812.4	840.3
35°	536.5	558.8	578.3	593.6	599.2	613.1	627.1	636.8	668.9	692.6	712.1
37.5°	441.7	458.5	479.4	494.7	510.0	519.8	536.5	550.4	569.9	582.5	603.4
40°	395.7	404.1	415.3	427.8	440.3	451.5	464.0	475.2	487.7	504.4	518.4
42.5°	380.4	381.8	381.8	386.0	393.0	398.5	409.7	418.0	426.4	438.9	445.9
45°	369.3	367.9	365.1	362.3	363.7	366.5	373.5	379.0	388.8	394.4	395.7
47.5°	363.7	358.1	352.5	348.4	347.0	348.4	353.9	359.5	365.1	369.3	370.7
50°	345.6	341.4	333.0	327.5	324.7	327.5	334.4	337.2	342.8	347.0	348.4
52.5°	327.5	321.9	316.3	310.7	310.7	312.1	317.7	323.3	328.9	330.3	333.0
55°	316.3	308.0	302.4	298.2	295.4	299.6	303.8	310.7	317.7	319.1	321.9
57.5°	305.2	296.8	291.2	287.1	284.3	288.4	292.6	302.4	310.7	310.7	310.7
60°	298.2	291.2	282.9	278.7	274.5	278.7	284.3	294.0	302.4	301.0	299.6
62.5°	278.7	271.7	267.5	267.5	263.4	270.3	275.9	287.1	288.4	285.7	282.9
63°	273.1	267.5	264.8	264.8	262.0	268.9	274.5	284.3	284.3	281.5	278.7
65°	259.2	255.0	252.2	255.0	255.0	262.0	263.4	270.3	268.9	264.8	263.4
67.5°	248.0	245.3	242.5	242.5	242.5	243.9	245.3	248.0	246.6	245.3	246.6
70°	229.9	228.5	225.7	225.7	224.3	224.3	224.3	225.7	225.7	227.1	228.5
72.5°	207.6	204.8	204.8	206.2	203.4	204.8	206.2	204.8	207.6	207.6	209.0
75°	182.5	181.2	183.9	186.7	185.3	185.3	186.7	186.7	188.1	188.1	189.5
77.5°	163.0	164.4	165.8	168.6	170.0	170.0	170.0	168.6	170.0	170.0	171.4
80°	144.9	147.7	150.5	153.3	154.7	154.7	154.7	153.3	153.3	153.3	153.3
82.5°	131.0	135.2	138.0	139.3	139.3	139.3	139.3	139.3	139.3	136.6	133.8
85°	110.1	118.4	118.4	119.8	115.7	112.9	110.1	111.5	112.9	107.3	105.9
87.5°	55.7	55.7	58.5	61.3	62.7	62.7	71.1	66.9	65.5	64.1	61.3
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: P153543

CATALOG NUMBER: TLM-F06-LED-E1-SLR-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°	1485.4	1484.0	1486.8	1484.0	1485.4	1486.8	1484.0	1488.2	1491.0	1486.8	1482.7
5°	1516.1	1516.1	1523.1	1525.9	1527.2	1535.6	1531.4	1534.2	1537.0	1535.6	1537.0
7.5°	1535.6	1541.2	1548.1	1555.1	1556.5	1563.5	1562.1	1566.3	1569.0	1576.0	1576.0
10°	1552.3	1559.3	1569.0	1576.0	1583.0	1588.6	1591.3	1599.7	1601.1	1606.7	1606.7
12.5°	1567.7	1576.0	1585.8	1596.9	1603.9	1615.0	1616.4	1629.0	1633.1	1634.5	1630.4
15°	1564.9	1574.6	1585.8	1598.3	1610.9	1624.8	1633.1	1645.7	1652.7	1655.4	1648.5
17.5°	1538.4	1546.8	1560.7	1577.4	1592.7	1610.9	1626.2	1644.3	1655.4	1658.2	1656.8
20°	1486.8	1492.4	1510.5	1532.8	1550.9	1578.8	1601.1	1629.0	1647.1	1661.0	1665.2
22.5°	1385.1	1399.0	1417.2	1442.2	1468.7	1503.6	1535.6	1576.0	1615.0	1648.5	1681.9
25°	1262.5	1287.6	1315.4	1348.9	1380.9	1417.2	1453.4	1499.4	1556.5	1626.2	1705.6
27.5°	1138.5	1181.7	1216.5	1259.7	1297.3	1333.6	1374.0	1424.1	1486.8	1570.4	1672.2
30°	1013.1	1061.8	1099.4	1149.6	1199.8	1248.6	1289.0	1341.9	1403.2	1488.2	1599.7
32.5°	879.3	928.1	972.6	1018.6	1074.4	1132.9	1181.7	1247.2	1312.6	1400.4	1513.3
35°	741.3	784.5	822.1	870.9	932.2	994.9	1059.0	1134.3	1205.4	1297.3	1417.2
37.5°	621.5	652.1	688.4	731.6	779.0	845.8	918.3	1007.5	1088.3	1188.6	1311.3
40°	522.6	539.3	560.2	596.4	639.6	705.1	776.2	870.9	968.5	1078.5	1197.0
42.5°	445.9	454.3	459.8	483.5	518.4	582.5	650.8	742.7	850.0	969.9	1089.7
45°	395.7	399.9	401.3	413.9	438.9	494.7	565.7	643.8	746.9	864.0	989.4
47.5°	372.1	376.2	379.0	381.8	397.1	440.3	504.4	578.3	673.0	780.3	908.5
50°	352.5	356.7	360.9	359.5	366.5	394.4	448.7	517.0	606.2	705.1	831.9
52.5°	333.0	335.8	335.8	335.8	340.0	358.1	397.1	459.8	542.1	635.4	760.8
55°	321.9	324.7	326.1	327.5	328.9	338.6	367.9	418.0	489.1	575.5	688.4
57.5°	310.7	312.1	314.9	316.3	319.1	324.7	342.8	379.0	438.9	511.4	606.2
60°	301.0	303.8	309.4	310.7	313.5	314.9	323.3	345.6	384.6	440.3	517.0
62.5°	285.7	289.8	295.4	296.8	299.6	301.0	302.4	314.9	333.0	366.5	423.6
63°	281.5	285.7	292.6	294.0	295.4	295.4	296.8	305.2	321.9	351.2	393.0
65°	266.2	271.7	275.9	277.3	278.7	278.7	277.3	280.1	281.5	294.0	319.1
67.5°	249.4	253.6	256.4	257.8	256.4	257.8	256.4	253.6	250.8	253.6	264.8
70°	232.7	235.5	235.5	236.9	238.3	239.7	236.9	234.1	231.3	229.9	236.9
72.5°	213.2	216.0	216.0	217.4	217.4	220.2	220.2	218.8	218.8	220.2	221.6
75°	193.7	196.5	195.1	197.9	197.9	202.1	202.1	203.4	206.2	204.8	203.4
77.5°	175.6	177.0	177.0	178.4	179.8	186.7	190.9	192.3	192.3	189.5	186.7
80°	156.1	156.1	153.3	151.9	153.3	160.2	168.6	170.0	174.2	172.8	174.2
82.5°	131.0	125.4	121.2	121.2	124.0	128.2	131.0	133.8	136.6	136.6	139.3
85°	100.3	94.8	90.6	92.0	96.1	97.5	96.1	96.1	101.7	105.9	101.7
87.5°	59.9	54.3	51.6	47.4	48.8	53.0	51.6	47.4	48.8	39.0	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: P153543

CATALOG NUMBER: TLM-F06-LED-E1-SLR-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°	1485.4	1484.0	1481.3	1477.1	1475.7	1472.9	1474.3	1470.1	1467.3	1464.5	1460.4
5°	1537.0	1537.0	1528.6	1528.6	1524.5	1523.1	1513.3	1509.1	1500.8	1503.6	1493.8
7.5°	1573.2	1577.4	1567.7	1566.3	1560.7	1559.3	1546.8	1542.6	1535.6	1532.8	1524.5
10°	1599.7	1599.7	1587.2	1577.4	1570.4	1563.5	1550.9	1545.4	1539.8	1541.2	1535.6
12.5°	1620.6	1610.9	1592.7	1578.8	1569.0	1562.1	1552.3	1548.1	1546.8	1556.5	1557.9
15°	1637.3	1623.4	1601.1	1591.3	1583.0	1581.6	1581.6	1585.8	1595.5	1613.6	1627.6
17.5°	1647.1	1638.7	1627.6	1624.8	1638.7	1647.1	1658.2	1670.8	1684.7	1709.8	1725.1
20°	1665.2	1670.8	1679.1	1690.3	1712.6	1733.5	1747.4	1765.5	1782.2	1812.9	1838.0
22.5°	1712.6	1744.6	1771.1	1793.4	1826.8	1856.1	1874.2	1899.3	1911.8	1932.7	1971.8
25°	1773.9	1839.4	1895.1	1942.5	1994.1	2024.7	2049.8	2081.8	2101.4	2136.2	2171.0
27.5°	1755.8	1849.1	1932.7	2020.5	2091.6	2171.0	2226.8	2279.7	2313.2	2364.7	2410.7
30°	1700.0	1811.5	1924.4	2040.0	2152.9	2267.2	2373.1	2469.2	2543.1	2616.9	2692.2
32.5°	1624.8	1753.0	1890.9	2033.1	2180.8	2339.6	2486.0	2630.9	2753.5	2860.8	2965.3
35°	1538.4	1683.3	1826.8	2002.4	2185.0	2387.0	2590.5	2791.1	2977.8	3167.4	3295.6
37.5°	1435.3	1583.0	1743.2	1945.3	2159.9	2409.3	2668.5	2930.5	3195.2	3450.2	3671.8
40°	1325.2	1475.7	1644.3	1863.1	2105.5	2395.4	2718.7	3071.2	3434.9	3804.2	4098.2
42.5°	1227.6	1382.3	1566.3	1787.8	2051.2	2377.3	2759.1	3192.4	3637.0	4094.0	4526.0
45°	1132.9	1302.9	1496.6	1734.9	2027.5	2391.2	2819.0	3305.3	3818.1	4372.7	4899.4
47.5°	1047.9	1220.7	1408.8	1669.4	1992.7	2398.2	2877.5	3418.2	3989.5	4590.1	5215.8
50°	971.2	1138.5	1323.8	1585.8	1938.3	2394.0	2930.5	3519.9	4137.2	4761.5	5459.6
52.5°	896.0	1066.0	1255.5	1504.9	1871.4	2370.3	2955.6	3603.5	4273.8	4934.3	5656.1
55°	822.1	989.4	1180.3	1428.3	1783.6	2309.0	2952.8	3657.9	4382.5	5097.3	5845.6
57.5°	735.8	894.6	1081.3	1343.3	1690.3	2214.2	2911.0	3682.9	4475.8	5259.0	6072.7
60°	628.5	777.6	957.3	1219.3	1567.7	2093.0	2823.2	3669.0	4530.2	5378.8	6266.4
62.5°	496.1	625.7	790.1	1046.5	1414.4	1918.8	2658.7	3542.2	4443.8	5362.1	6357.0
63°	468.2	590.8	751.1	1004.7	1348.9	1871.4	2610.0	3492.0	4402.0	5327.2	6344.5
65°	376.2	455.7	583.9	811.0	1128.7	1638.7	2367.5	3234.2	4177.6	5082.0	6163.3
67.5°	288.4	328.9	397.1	556.0	798.5	1289.0	1917.4	2741.0	3625.8	4475.8	5579.5
70°	246.6	264.8	294.0	369.3	507.2	813.8	1346.1	2044.2	2810.6	3547.8	4539.9
72.5°	224.3	232.7	248.0	280.1	348.4	487.7	858.4	1330.8	1911.8	2529.2	3295.6
75°	206.2	213.2	225.7	242.5	267.5	324.7	489.1	813.8	1243.0	1661.0	2224.0
77.5°	188.1	192.3	206.2	221.6	238.3	267.5	323.3	468.2	714.9	979.6	1340.5
80°	172.8	170.0	179.8	204.8	221.6	238.3	255.0	303.8	406.9	536.5	724.6
82.5°	138.0	140.7	149.1	174.2	181.2	177.0	179.8	188.1	227.1	248.0	370.7
85°	93.4	86.4	85.0	87.8	87.8	83.6	83.6	82.2	90.6	103.1	177.0
87.5°	25.1	12.5	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: P153543

CATALOG NUMBER: TLM-F06-LED-E1-SLR-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°	1457.6	1456.2	1457.6	1450.6	1450.6	1449.2	1447.8	1445.0	1445.0	1439.5	1443.6
5°	1485.4	1482.7	1477.1	1468.7	1464.5	1459.0	1459.0	1453.4	1449.2	1443.6	1445.0
7.5°	1517.5	1518.9	1509.1	1502.2	1499.4	1493.8	1495.2	1486.8	1488.2	1484.0	1481.3
10°	1535.6	1535.6	1538.4	1537.0	1539.8	1539.8	1544.0	1538.4	1535.6	1531.4	1531.4
12.5°	1564.9	1570.4	1581.6	1581.6	1590.0	1592.7	1594.1	1596.9	1591.3	1588.6	1578.8
15°	1637.3	1651.3	1661.0	1675.0	1691.7	1697.2	1697.2	1691.7	1688.9	1684.7	1666.6
17.5°	1757.2	1787.8	1796.2	1818.5	1821.3	1828.2	1847.7	1836.6	1829.6	1800.4	1794.8
20°	1879.8	1918.8	1957.8	1985.7	1999.6	2027.5	2031.7	2026.1	1998.2	1970.4	1957.8
22.5°	2027.5	2086.0	2130.6	2173.8	2194.7	2208.7	2239.3	2232.3	2210.0	2168.2	2151.5
25°	2236.5	2309.0	2356.4	2409.3	2437.2	2451.1	2481.8	2481.8	2458.1	2445.5	2444.1
27.5°	2499.9	2589.1	2667.1	2685.2	2757.7	2774.4	2803.7	2803.7	2781.4	2766.0	2839.9
30°	2792.5	2885.9	3021.0	3111.6	3199.4	3285.8	3284.4	3290.0	3316.5	3330.4	3362.4
32.5°	3085.1	3200.8	3344.3	3540.8	3728.9	3889.2	4096.8	4229.2	4188.8	4075.9	4031.3
35°	3440.5	3568.7	3742.9	3940.7	4284.9	4492.6	4592.9	4663.9	4672.3	4687.6	4719.7
37.5°	3836.2	4050.8	4252.9	4477.2	4668.1	4920.3	5153.1	5339.8	5383.0	5470.8	5420.6
40°	4336.5	4576.2	4788.0	5077.8	5334.2	5638.0	5971.0	6227.4	6330.5	6297.1	6046.3
42.5°	4860.4	5157.2	5405.3	5746.7	6079.7	6481.0	6825.2	7183.3	7247.4	6989.7	6614.8
45°	5342.6	5710.4	6018.4	6373.7	6780.6	7261.4	7721.2	8089.1	8076.6	7634.8	7133.2
47.5°	5775.9	6227.4	6603.7	7066.3	7503.8	8076.6	8604.7	8876.4	8716.2	8193.6	7579.1
50°	6134.1	6697.0	7161.0	7629.3	8185.2	8875.0	9383.6	9536.9	9227.6	8659.0	8012.5
52.5°	6422.5	7129.0	7650.2	8189.4	8891.7	9617.7	10055.3	9998.2	9598.2	9014.4	8370.6
55°	6666.4	7459.3	8080.7	8717.6	9588.5	10257.3	10548.6	10395.3	9836.5	9244.3	8615.8
57.5°	6918.6	7779.7	8476.5	9215.0	10184.9	10759.0	10920.6	10605.7	9949.4	9332.1	8721.7
60°	7170.8	8047.3	8826.2	9649.8	10636.4	11168.7	11124.1	10653.1	9915.9	9268.0	8650.7
62.5°	7340.8	8206.2	9029.7	9917.3	10975.0	11377.7	11104.6	10484.5	9722.2	9015.8	8438.9
63°	7345.0	8211.7	9042.2	9935.4	11012.6	11384.7	11066.9	10424.6	9660.9	8964.2	8376.2
65°	7257.2	8107.2	8930.8	9853.2	10980.6	11224.4	10742.3	10070.6	9311.2	8607.5	8050.1
67.5°	6808.5	7675.2	8402.6	9272.2	10406.4	10476.1	9872.7	9330.7	8647.9	7919.1	7336.6
70°	5904.1	6624.6	7338.0	8064.0	9015.8	9003.2	8436.1	8160.2	7562.4	6731.9	6265.0
72.5°	4696.0	5342.6	5844.2	6330.5	6957.6	6830.8	6465.7	6542.3	6155.0	5534.9	5257.6
75°	3486.5	4197.1	4442.4	4640.3	4905.0	4906.4	5006.7	5224.1	5218.5	4874.4	4524.6
77.5°	2286.7	3064.2	3146.5	3305.3	3623.0	4055.0	4500.9	4980.3	5100.1	4828.4	4311.4
80°	1275.0	2083.2	1988.5	2125.0	2467.8	3054.5	3712.2	4241.7	4553.9	4402.0	3854.3
82.5°	652.1	1201.2	1148.2	1337.7	1615.0	2125.0	2559.8	2966.7	3334.6	3313.7	3106.0
85°	338.6	657.7	748.3	847.2	986.6	1169.1	1333.6	1452.0	1605.3	1875.6	1967.6
87.5°	0.0	0.0	0.0	0.0	0.0	1.4	0.0	100.3	72.5	199.3	284.3
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: P153543

CATALOG NUMBER: TLM-F06-LED-E1-SLR-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°	1445.0	1446.4	1443.6	1443.6	1445.0	1445.0	1442.2
5°	1442.2	1442.2	1439.5	1436.7	1433.9	1433.9	1431.1
7.5°	1474.3	1474.3	1464.5	1460.4	1453.4	1447.8	1445.0
10°	1521.7	1513.3	1502.2	1493.8	1482.7	1470.1	1463.1
12.5°	1569.0	1556.5	1542.6	1530.0	1516.1	1502.2	1495.2
15°	1647.1	1630.4	1612.2	1596.9	1577.4	1556.5	1548.1
17.5°	1766.9	1740.4	1716.8	1694.5	1659.6	1644.3	1627.6
20°	1925.8	1886.8	1856.1	1818.5	1775.3	1761.3	1740.4
22.5°	2118.1	2084.6	2023.3	1995.5	1952.3	1931.4	1935.5
25°	2410.7	2367.5	2296.4	2270.0	2265.8	2219.8	2197.5
27.5°	2792.5	2795.3	2729.8	2658.7	2619.7	2547.3	2455.3
30°	3336.0	3298.3	3221.7	3149.2	3057.3	2920.7	2767.4
32.5°	3993.7	3910.1	3783.3	3648.1	3485.1	3274.7	3060.1
35°	4636.1	4489.8	4287.7	4062.0	3826.5	3564.5	3260.7
37.5°	5200.4	4973.3	4670.9	4411.7	4078.7	3751.2	3380.6
40°	5716.0	5434.5	5044.4	4708.5	4315.6	3894.8	3455.8
42.5°	6214.9	5858.2	5380.2	4925.9	4481.4	3990.9	3492.0
45°	6690.1	6230.2	5663.1	5122.4	4602.6	4053.6	3497.6
47.5°	7055.1	6553.5	5916.7	5264.5	4686.2	4101.0	3497.6
50°	7393.8	6826.6	6110.4	5376.0	4764.3	4133.0	3500.4
52.5°	7657.1	7018.9	6235.8	5455.4	4825.6	4156.7	3512.9
55°	7848.0	7144.3	6319.4	5504.2	4870.2	4190.2	3540.8
57.5°	7981.8	7226.5	6365.4	5547.4	4924.5	4248.7	3618.8
60°	8045.9	7378.4	6442.0	5633.8	5017.9	4372.7	3774.9
62.5°	7997.1	7613.9	6660.8	5780.1	5147.5	4566.4	4024.3
63°	7976.2	7657.1	6720.7	5812.2	5176.7	4608.2	4110.7
65°	7813.2	7700.3	6967.4	5973.8	5316.1	4793.5	4351.8
67.5°	7307.4	7530.3	7175.0	6246.9	5615.7	5243.6	4801.9
70°	6652.4	7278.1	7137.4	6281.8	5806.6	5612.9	5086.2
72.5°	5867.9	6515.9	6384.9	5817.7	5596.2	5617.1	5012.3
75°	4618.0	5104.3	5017.9	4818.6	4863.2	5016.5	4293.3
77.5°	3699.7	3634.2	3434.9	3448.8	3706.6	3886.4	3090.7
80°	3022.4	2446.9	2187.7	2194.7	2644.8	2831.5	1969.0
82.5°	2876.1	2314.6	1885.4	1647.1	1924.4	1853.3	1028.4
85°	2048.4	2052.6	1702.8	1383.7	1340.5	1139.9	641.0
87.5°	484.9	388.8	277.3	206.2	217.4	143.5	72.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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