

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: P153504

Luminaire Tested: **TLM-F02-LED-E1-SLR-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P153504
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-F02-LED-E1-SLR-7030
Description: TALON MEDIUM LED SITE LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4195.9 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 1.93 / 2.48 / 2.48
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
CIE Type: Direct

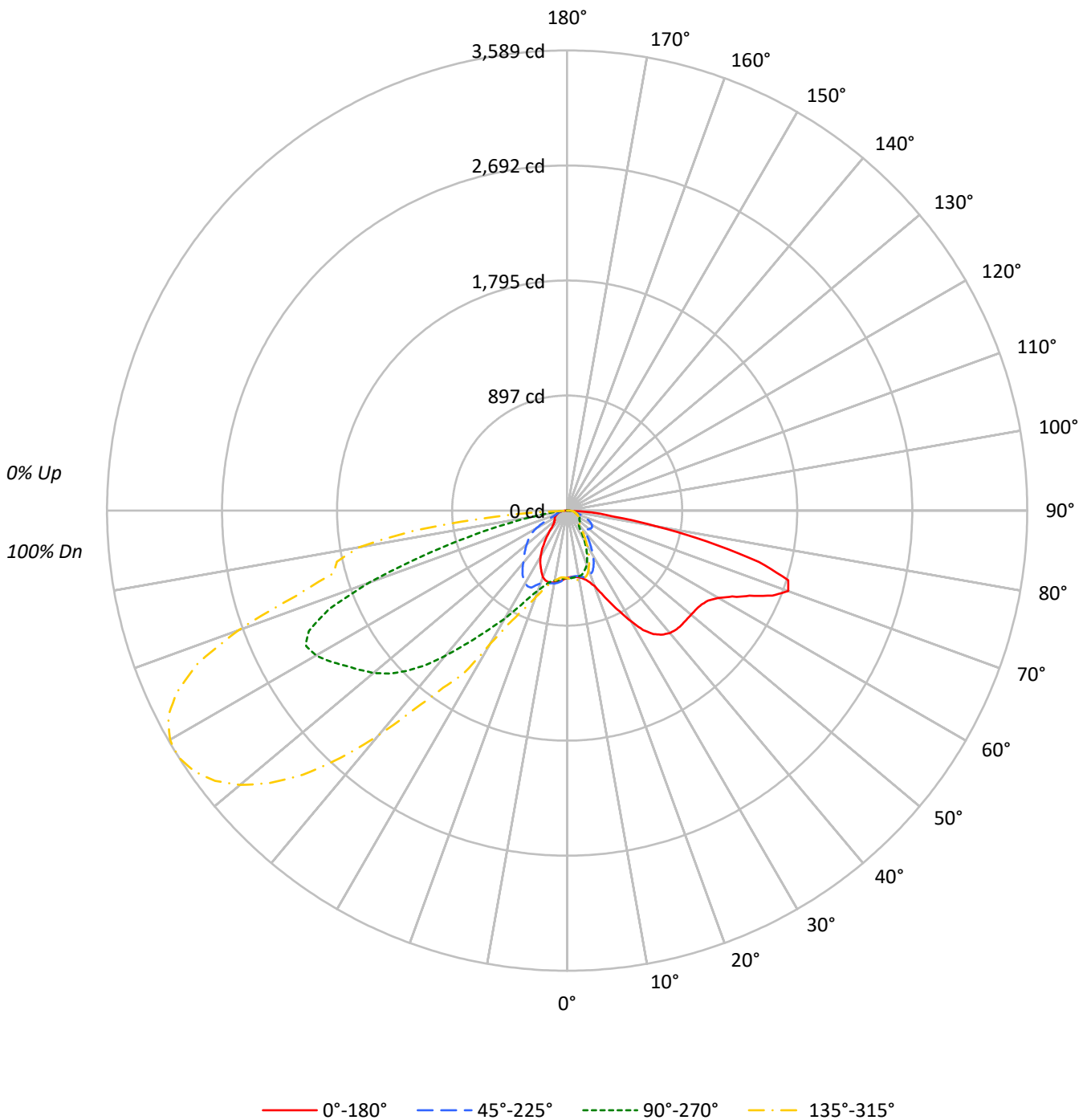
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	17199	17199	17199	17199
5°	16902	17200	18021	17645
10°	17481	17266	18829	18346
15°	18860	16803	19471	19826
20°	21792	15495	19192	23014
25°	28529	13079	17513	28184
30°	37600	10128	15619	36575
35°	46835	6925	12511	47337
40°	53080	6059	9159	62946
45°	58201	6352	6887	81528
50°	64075	6505	6582	99936
55°	72637	6659	6716	119917
60°	88832	7313	7313	147466
65°	121158	7602	7718	171596
70°	174972	8049	8154	156185
75°	195176	8494	8998	101098
80°	133422	9167	10294	49101
85°	86526	11302	12425	23877



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.3	1.2
10°-20°	159.9	3.8
20°-30°	284.0	6.8
30°-40°	447.2	10.7
40°-50°	658.2	15.7
50°-60°	874.3	20.8
60°-70°	963.0	23.0
70°-80°	604.2	14.4
80°-90°	153.9	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°	495.2	11.8
0°-40°	942.4	22.5
0°-60°	2474.8	59.0
0°-90°	4195.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4195.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	527	527	527	527	527	
5°	516	525	550	539	516	50
15°	558	498	577	587	558	162
25°	793	363	487	783	793	374
35°	1176	174	314	1189	1176	729
45°	1262	138	149	1767	1262	975
55°	1277	117	118	2109	1277	1159
65°	1570	98	100	2223	1570	1580
75°	1549	67	71	802	1549	1515
85°	231	30	33	64	231	267
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°	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3
2.5°	520.3	521.8	521.3	521.3	522.3	521.8	521.8	522.3	522.3	523.8	525.8
5°	516.2	515.7	514.7	515.7	515.7	515.7	513.7	515.2	515.7	516.7	516.7
7.5°	521.3	519.8	517.7	518.2	518.2	517.2	515.7	516.2	515.7	515.7	515.2
10°	527.8	524.3	521.8	521.8	521.8	520.8	518.2	519.8	519.8	519.3	519.8
12.5°	539.4	535.3	532.3	531.3	531.3	529.8	527.8	529.8	528.8	528.8	527.8
15°	558.5	553.9	550.4	547.4	547.9	547.9	545.4	543.9	541.9	539.4	534.3
17.5°	587.1	582.1	577.6	575.0	575.5	572.0	565.0	558.0	548.4	538.9	528.3
20°	627.8	626.3	620.3	617.8	611.7	603.2	583.6	567.0	548.4	530.3	512.2
22.5°	698.2	691.2	685.1	675.6	655.5	631.8	599.2	570.0	540.9	515.2	491.1
25°	792.7	780.1	750.5	721.3	680.1	637.9	593.6	555.9	519.8	486.1	456.4
27.5°	885.7	847.5	794.7	741.9	681.6	626.3	571.0	526.3	484.1	447.4	414.7
30°	998.3	933.9	853.0	769.6	684.1	609.7	543.4	491.1	442.3	403.6	369.5
32.5°	1103.8	1010.9	904.8	795.2	689.7	594.1	511.7	452.4	402.1	353.4	319.7
35°	1176.2	1055.6	926.9	797.7	676.1	564.5	472.0	402.1	351.9	306.6	266.9
37.5°	1219.5	1075.2	927.9	779.6	644.4	524.3	421.7	352.4	306.1	262.9	231.7
40°	1246.6	1079.7	914.8	753.5	604.2	473.5	371.5	309.1	266.9	232.2	208.1
42.5°	1259.7	1072.7	893.7	720.3	563.5	428.3	336.3	277.5	240.8	216.1	198.0
45°	1261.7	1060.1	871.1	690.2	527.3	395.6	312.2	264.4	234.2	213.6	195.5
47.5°	1261.7	1049.1	853.0	668.0	503.7	381.5	310.1	269.9	240.3	217.2	195.5
50°	1262.7	1045.5	845.5	657.0	495.6	389.1	327.2	287.0	253.3	223.2	195.0
52.5°	1267.2	1050.1	851.5	665.5	510.2	419.2	359.4	312.7	270.4	230.2	195.0
55°	1277.3	1065.1	877.1	695.2	549.4	465.0	398.1	340.3	284.0	233.2	192.0
57.5°	1305.4	1103.3	923.9	752.5	616.3	517.7	433.3	359.9	289.0	230.7	186.0
60°	1361.7	1179.2	1003.8	832.9	687.1	563.0	453.9	362.9	284.5	222.7	176.4
62.5°	1451.7	1266.2	1100.8	920.4	750.0	588.1	456.4	355.4	272.4	208.1	162.4
63°	1482.9	1287.8	1121.4	937.0	758.0	590.1	454.4	352.4	269.4	204.1	160.3
65°	1569.8	1378.8	1192.8	995.3	780.6	590.6	443.3	337.3	255.4	188.5	146.3
67.5°	1732.2	1498.4	1282.8	1041.0	788.7	574.5	415.2	309.1	225.7	164.4	128.7
70°	1834.7	1565.3	1317.5	1042.0	765.1	528.8	366.4	263.4	188.0	136.2	110.6
72.5°	1808.1	1499.4	1226.0	948.0	663.0	441.8	294.6	207.1	146.8	109.1	92.0
75°	1548.7	1248.1	1000.3	734.4	501.2	324.7	215.6	147.8	108.6	85.5	76.9
77.5°	1114.9	898.3	717.3	523.3	337.8	210.1	143.3	105.6	82.4	70.4	63.3
80°	710.3	526.8	438.8	314.7	197.5	130.2	98.5	79.9	67.9	58.8	54.3
82.5°	371.0	259.9	211.1	160.9	109.6	86.0	72.4	65.3	55.8	48.8	46.2
85°	231.2	153.3	113.6	79.4	54.8	49.3	45.2	44.2	39.7	35.2	33.7
87.5°	26.1	23.6	24.6	15.6	11.6	12.6	12.1	16.1	15.6	11.6	12.1
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°	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3
2.5°	523.8	524.8	524.8	526.3	526.3	527.3	528.3	528.3	529.3	529.8	530.8
5°	517.7	517.7	517.7	519.8	520.3	523.3	524.3	525.3	526.3	529.8	531.8
7.5°	516.2	514.2	515.2	515.2	516.7	519.3	521.8	523.3	524.8	529.3	532.3
10°	519.3	517.7	516.2	516.2	516.7	517.7	519.8	521.3	522.3	526.8	529.3
12.5°	527.3	523.8	520.8	518.2	516.2	515.7	514.7	515.2	516.2	518.7	522.3
15°	528.8	522.3	515.7	509.2	504.2	501.2	498.6	497.6	497.6	499.1	503.2
17.5°	518.7	507.7	498.1	489.6	484.1	478.5	476.0	474.0	473.0	475.0	475.5
20°	497.1	484.1	471.0	460.9	450.9	449.4	445.4	446.4	447.4	450.4	451.9
22.5°	467.5	451.9	435.8	425.3	417.2	410.2	405.6	407.7	409.2	412.2	413.7
25°	431.3	408.7	391.6	381.0	372.5	366.4	361.4	363.4	361.4	364.9	370.5
27.5°	388.6	361.9	343.8	331.8	325.7	320.7	315.7	315.7	320.7	320.7	325.2
30°	336.8	317.2	293.6	281.0	273.4	270.4	269.9	268.9	272.4	274.5	279.5
32.5°	288.0	263.9	241.3	229.2	222.7	219.2	219.7	220.2	221.7	224.7	232.7
35°	238.8	217.7	201.6	188.0	181.5	174.9	174.9	173.9	175.4	178.9	188.5
37.5°	207.1	188.5	175.9	165.4	158.8	154.8	151.3	149.8	149.8	151.3	154.8
40°	189.5	175.9	164.4	155.3	149.3	145.8	143.8	142.3	141.2	141.2	141.8
42.5°	181.5	167.4	155.8	147.8	143.3	141.2	140.7	140.2	138.7	138.2	137.7
45°	177.4	161.4	148.3	141.8	138.2	137.2	137.7	137.7	137.2	136.2	134.2
47.5°	174.4	155.8	142.8	136.7	135.2	135.2	135.2	135.2	134.7	134.2	132.7
50°	169.4	147.3	133.2	128.7	127.7	127.7	128.2	128.2	129.2	128.2	127.2
52.5°	163.9	139.2	125.2	121.1	120.6	120.1	120.1	120.1	120.6	120.6	120.1
55°	157.8	133.2	121.1	118.1	118.6	118.1	117.6	117.1	117.1	116.6	115.6
57.5°	151.8	128.2	118.1	116.1	116.6	116.6	115.6	114.6	114.1	112.6	111.6
60°	142.8	121.1	112.1	111.1	112.6	112.6	112.6	112.1	112.1	111.6	109.1
62.5°	130.7	111.1	104.1	104.6	105.1	106.1	106.1	106.1	106.1	105.1	102.5
63°	128.2	109.1	102.5	102.5	104.1	104.1	104.6	104.1	104.6	103.5	100.5
65°	118.1	102.5	97.5	98.0	99.0	99.0	99.0	98.5	98.5	97.0	95.5
67.5°	106.6	94.5	91.5	92.0	92.5	93.5	93.0	93.0	93.5	92.5	91.0
70°	93.5	86.0	83.9	84.4	84.9	84.9	84.4	84.4	84.9	83.9	82.4
72.5°	83.4	80.4	78.9	78.9	77.9	77.9	76.9	76.4	75.9	75.9	74.4
75°	70.4	69.9	70.4	71.4	70.4	69.4	68.9	67.4	66.4	66.4	65.8
77.5°	60.3	60.3	61.3	62.8	63.3	63.3	61.8	59.3	58.8	58.8	58.8
80°	52.3	51.3	51.3	52.8	54.3	53.8	51.3	48.8	48.8	51.3	51.8
82.5°	45.7	45.7	44.2	44.7	44.2	43.7	41.2	39.7	39.2	41.2	43.2
85°	36.2	36.7	36.2	35.7	35.2	33.7	31.7	30.2	29.7	31.7	34.7
87.5°	14.6	14.1	13.6	14.1	13.6	14.6	14.1	13.1	12.6	14.1	17.1
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°	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3
2.5°	531.3	532.3	533.3	533.3	534.3	533.8	534.3	534.8	534.8	535.3	535.3
5°	534.3	535.8	537.8	539.9	540.4	541.9	543.4	542.4	543.9	545.9	545.9
7.5°	535.3	538.9	540.4	543.4	543.9	545.9	549.4	546.9	549.9	551.4	551.9
10°	533.8	537.3	539.9	543.4	544.9	548.4	551.9	550.9	554.4	556.9	557.5
12.5°	524.8	528.3	533.8	538.9	542.9	548.4	554.9	552.9	558.0	561.0	562.5
15°	507.2	510.7	516.7	524.8	532.3	540.9	549.4	550.9	555.9	559.5	561.0
17.5°	479.5	484.1	490.6	499.1	508.7	523.3	534.3	539.9	546.9	548.9	551.4
20°	453.9	458.4	462.4	467.5	474.5	488.6	503.2	514.2	523.3	530.8	532.8
22.5°	419.7	423.7	428.8	432.8	437.8	447.9	459.9	472.5	486.6	491.1	496.1
25°	378.5	381.0	388.1	390.6	394.1	402.6	412.2	421.2	434.8	444.4	446.9
27.5°	334.3	336.8	343.3	344.8	349.4	357.4	364.4	367.9	380.5	390.6	398.6
30°	283.0	289.5	297.6	298.6	303.6	308.6	315.2	318.7	330.2	340.8	350.9
32.5°	238.8	245.3	251.8	255.9	258.4	262.4	268.9	272.4	283.5	293.1	303.1
35°	193.5	201.6	208.6	214.1	216.1	221.2	226.2	229.7	241.3	249.8	256.9
37.5°	159.3	165.4	172.9	178.4	184.0	187.5	193.5	198.6	205.6	210.1	217.7
40°	142.8	145.8	149.8	154.3	158.8	162.9	167.4	171.4	175.9	182.0	187.0
42.5°	137.2	137.7	137.7	139.2	141.8	143.8	147.8	150.8	153.8	158.3	160.9
45°	133.2	132.7	131.7	130.7	131.2	132.2	134.7	136.7	140.2	142.3	142.8
47.5°	131.2	129.2	127.2	125.7	125.2	125.7	127.7	129.7	131.7	133.2	133.7
50°	124.7	123.2	120.1	118.1	117.1	118.1	120.6	121.6	123.7	125.2	125.7
52.5°	118.1	116.1	114.1	112.1	112.1	112.6	114.6	116.6	118.6	119.1	120.1
55°	114.1	111.1	109.1	107.6	106.6	108.1	109.6	112.1	114.6	115.1	116.1
57.5°	110.1	107.1	105.1	103.5	102.5	104.1	105.6	109.1	112.1	112.1	112.1
60°	107.6	105.1	102.0	100.5	99.0	100.5	102.5	106.1	109.1	108.6	108.1
62.5°	100.5	98.0	96.5	96.5	95.0	97.5	99.5	103.5	104.1	103.0	102.0
63°	98.5	96.5	95.5	95.5	94.5	97.0	99.0	102.5	102.5	101.5	100.5
65°	93.5	92.0	91.0	92.0	92.0	94.5	95.0	97.5	97.0	95.5	95.0
67.5°	89.5	88.5	87.5	87.5	87.5	88.0	88.5	89.5	89.0	88.5	89.0
70°	82.9	82.4	81.4	81.4	80.9	80.9	80.9	81.4	81.4	81.9	82.4
72.5°	74.9	73.9	73.9	74.4	73.4	73.9	74.4	73.9	74.9	74.9	75.4
75°	65.8	65.3	66.4	67.4	66.9	66.9	67.4	67.4	67.9	67.9	68.4
77.5°	58.8	59.3	59.8	60.8	61.3	61.3	61.3	60.8	61.3	61.3	61.8
80°	52.3	53.3	54.3	55.3	55.8	55.8	55.8	55.3	55.3	55.3	55.3
82.5°	47.3	48.8	49.8	50.3	50.3	50.3	50.3	50.3	50.3	49.3	48.3
85°	39.7	42.7	42.7	43.2	41.7	40.7	39.7	40.2	40.7	38.7	38.2
87.5°	20.1	20.1	21.1	22.1	22.6	22.6	25.6	24.1	23.6	23.1	22.1
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-F02-LED-E1-SLR-7030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3
2.5°	535.8	535.3	536.3	535.3	535.8	536.3	535.3	536.8	537.8	536.3	534.8
5°	546.9	546.9	549.4	550.4	550.9	553.9	552.4	553.4	554.4	553.9	554.4
7.5°	553.9	555.9	558.5	561.0	561.5	564.0	563.5	565.0	566.0	568.5	568.5
10°	560.0	562.5	566.0	568.5	571.0	573.0	574.0	577.1	577.6	579.6	579.6
12.5°	565.5	568.5	572.0	576.1	578.6	582.6	583.1	587.6	589.1	589.6	588.1
15°	564.5	568.0	572.0	576.6	581.1	586.1	589.1	593.6	596.2	597.2	594.6
17.5°	554.9	558.0	563.0	569.0	574.5	581.1	586.6	593.1	597.2	598.2	597.7
20°	536.3	538.4	544.9	552.9	559.5	569.5	577.6	587.6	594.1	599.2	600.7
22.5°	499.6	504.7	511.2	520.3	529.8	542.4	553.9	568.5	582.6	594.6	606.7
25°	455.4	464.5	474.5	486.6	498.1	511.2	524.3	540.9	561.5	586.6	615.3
27.5°	410.7	426.3	438.8	454.4	468.0	481.0	495.6	513.7	536.3	566.5	603.2
30°	365.4	383.0	396.6	414.7	432.8	450.4	465.0	484.1	506.2	536.8	577.1
32.5°	317.2	334.8	350.9	367.4	387.6	408.7	426.3	449.9	473.5	505.2	545.9
35°	267.4	283.0	296.6	314.2	336.3	358.9	382.0	409.2	434.8	468.0	511.2
37.5°	224.2	235.2	248.3	263.9	281.0	305.1	331.3	363.4	392.6	428.8	473.0
40°	188.5	194.5	202.1	215.1	230.7	254.3	280.0	314.2	349.4	389.1	431.8
42.5°	160.9	163.9	165.9	174.4	187.0	210.1	234.7	267.9	306.6	349.9	393.1
45°	142.8	144.3	144.8	149.3	158.3	178.4	204.1	232.2	269.4	311.7	356.9
47.5°	134.2	135.7	136.7	137.7	143.3	158.8	182.0	208.6	242.8	281.5	327.7
50°	127.2	128.7	130.2	129.7	132.2	142.3	161.9	186.5	218.7	254.3	300.1
52.5°	120.1	121.1	121.1	121.1	122.6	129.2	143.3	165.9	195.5	229.2	274.5
55°	116.1	117.1	117.6	118.1	118.6	122.1	132.7	150.8	176.4	207.6	248.3
57.5°	112.1	112.6	113.6	114.1	115.1	117.1	123.7	136.7	158.3	184.5	218.7
60°	108.6	109.6	111.6	112.1	113.1	113.6	116.6	124.7	138.7	158.8	186.5
62.5°	103.0	104.6	106.6	107.1	108.1	108.6	109.1	113.6	120.1	132.2	152.8
63°	101.5	103.0	105.6	106.1	106.6	106.6	107.1	110.1	116.1	126.7	141.8
65°	96.0	98.0	99.5	100.0	100.5	100.5	100.0	101.0	101.5	106.1	115.1
67.5°	90.0	91.5	92.5	93.0	92.5	93.0	92.5	91.5	90.5	91.5	95.5
70°	83.9	84.9	84.9	85.5	86.0	86.5	85.5	84.4	83.4	82.9	85.5
72.5°	76.9	77.9	77.9	78.4	78.4	79.4	79.4	78.9	78.9	79.4	79.9
75°	69.9	70.9	70.4	71.4	71.4	72.9	72.9	73.4	74.4	73.9	73.4
77.5°	63.3	63.8	63.8	64.3	64.8	67.4	68.9	69.4	69.4	68.4	67.4
80°	56.3	56.3	55.3	54.8	55.3	57.8	60.8	61.3	62.8	62.3	62.8
82.5°	47.3	45.2	43.7	43.7	44.7	46.2	47.3	48.3	49.3	49.3	50.3
85°	36.2	34.2	32.7	33.2	34.7	35.2	34.7	34.7	36.7	38.2	36.7
87.5°	21.6	19.6	18.6	17.1	17.6	19.1	18.6	17.1	17.6	14.1	13.1
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-F02-LED-E1-SLR-7030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3
2.5°	535.8	535.3	534.3	532.8	532.3	531.3	531.8	530.3	529.3	528.3	526.8
5°	554.4	554.4	551.4	551.4	549.9	549.4	545.9	544.4	541.4	542.4	538.9
7.5°	567.5	569.0	565.5	565.0	563.0	562.5	558.0	556.4	553.9	552.9	549.9
10°	577.1	577.1	572.5	569.0	566.5	564.0	559.5	557.5	555.4	555.9	553.9
12.5°	584.6	581.1	574.5	569.5	566.0	563.5	560.0	558.5	558.0	561.5	562.0
15°	590.6	585.6	577.6	574.0	571.0	570.5	570.5	572.0	575.5	582.1	587.1
17.5°	594.1	591.1	587.1	586.1	591.1	594.1	598.2	602.7	607.7	616.8	622.3
20°	600.7	602.7	605.7	609.7	617.8	625.3	630.3	636.9	642.9	654.0	663.0
22.5°	617.8	629.3	638.9	646.9	659.0	669.5	676.1	685.1	689.7	697.2	711.3
25°	639.9	663.5	683.6	700.7	719.3	730.4	739.4	751.0	758.0	770.6	783.1
27.5°	633.4	667.0	697.2	728.9	754.5	783.1	803.3	822.4	834.4	853.0	869.6
30°	613.2	653.5	694.2	735.9	776.6	817.8	856.0	890.7	917.4	944.0	971.1
32.5°	586.1	632.3	682.1	733.4	786.7	844.0	896.7	949.0	993.3	1032.0	1069.7
35°	554.9	607.2	659.0	722.3	788.2	861.1	934.4	1006.8	1074.2	1142.6	1188.8
37.5°	517.7	571.0	628.8	701.7	779.1	869.1	962.6	1057.1	1152.6	1244.6	1324.5
40°	478.0	532.3	593.1	672.1	759.5	864.1	980.7	1107.9	1239.1	1372.3	1478.3
42.5°	442.8	498.6	565.0	644.9	739.9	857.5	995.3	1151.6	1311.9	1476.8	1632.6
45°	408.7	470.0	539.9	625.8	731.4	862.6	1016.9	1192.3	1377.3	1577.4	1767.4
47.5°	378.0	440.3	508.2	602.2	718.8	865.1	1038.0	1233.0	1439.1	1655.8	1881.5
50°	350.4	410.7	477.5	572.0	699.2	863.6	1057.1	1269.7	1492.4	1717.6	1969.4
52.5°	323.2	384.5	452.9	542.9	675.1	855.0	1066.1	1299.9	1541.7	1779.9	2040.3
55°	296.6	356.9	425.8	515.2	643.4	832.9	1065.1	1319.5	1580.9	1838.7	2108.7
57.5°	265.4	322.7	390.1	484.6	609.7	798.7	1050.1	1328.5	1614.6	1897.0	2190.6
60°	226.7	280.5	345.3	439.8	565.5	755.0	1018.4	1323.5	1634.2	1940.3	2260.5
62.5°	178.9	225.7	285.0	377.5	510.2	692.2	959.1	1277.8	1603.0	1934.2	2293.1
63°	168.9	213.1	270.9	362.4	486.6	675.1	941.5	1259.7	1587.9	1921.7	2288.6
65°	135.7	164.4	210.6	292.5	407.2	591.1	854.0	1166.7	1507.0	1833.2	2223.3
67.5°	104.1	118.6	143.3	200.6	288.0	465.0	691.7	988.7	1307.9	1614.6	2012.7
70°	89.0	95.5	106.1	133.2	183.0	293.6	485.6	737.4	1013.9	1279.8	1637.7
72.5°	80.9	83.9	89.5	101.0	125.7	175.9	309.6	480.0	689.7	912.3	1188.8
75°	74.4	76.9	81.4	87.5	96.5	117.1	176.4	293.6	448.4	599.2	802.2
77.5°	67.9	69.4	74.4	79.9	86.0	96.5	116.6	168.9	257.9	353.4	483.6
80°	62.3	61.3	64.8	73.9	79.9	86.0	92.0	109.6	146.8	193.5	261.4
82.5°	49.8	50.8	53.8	62.8	65.3	63.8	64.8	67.9	81.9	89.5	133.7
85°	33.7	31.2	30.7	31.7	31.7	30.2	30.2	29.7	32.7	37.2	63.8
87.5°	9.0	4.5	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



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CATALOG NUMBER: TLM-F02-LED-E1-SLR-7030

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3
2.5°	525.8	525.3	525.8	523.3	523.3	522.8	522.3	521.3	521.3	519.3	520.8
5°	535.8	534.8	532.8	529.8	528.3	526.3	526.3	524.3	522.8	520.8	521.3
7.5°	547.4	547.9	544.4	541.9	540.9	538.9	539.4	536.3	536.8	535.3	534.3
10°	553.9	553.9	554.9	554.4	555.4	555.4	556.9	554.9	553.9	552.4	552.4
12.5°	564.5	566.5	570.5	570.5	573.5	574.5	575.0	576.1	574.0	573.0	569.5
15°	590.6	595.7	599.2	604.2	610.2	612.2	612.2	610.2	609.2	607.7	601.2
17.5°	633.9	644.9	647.9	656.0	657.0	659.5	666.5	662.5	660.0	649.4	647.4
20°	678.1	692.2	706.2	716.3	721.3	731.4	732.9	730.9	720.8	710.8	706.2
22.5°	731.4	752.5	768.6	784.2	791.7	796.7	807.8	805.3	797.2	782.1	776.1
25°	806.8	832.9	850.0	869.1	879.2	884.2	895.2	895.2	886.7	882.2	881.7
27.5°	901.8	933.9	962.1	968.6	994.8	1000.8	1011.4	1011.4	1003.3	997.8	1024.4
30°	1007.3	1041.0	1089.8	1122.4	1154.1	1185.3	1184.8	1186.8	1196.3	1201.4	1212.9
32.5°	1112.9	1154.6	1206.4	1277.3	1345.1	1402.9	1477.8	1525.6	1511.0	1470.3	1454.2
35°	1241.1	1287.3	1350.2	1421.5	1545.7	1620.6	1656.8	1682.4	1685.4	1691.0	1702.5
37.5°	1383.8	1461.2	1534.1	1615.1	1683.9	1774.9	1858.8	1926.2	1941.8	1973.5	1955.4
40°	1564.3	1650.7	1727.1	1831.7	1924.2	2033.8	2153.9	2246.4	2283.6	2271.5	2181.1
42.5°	1753.3	1860.4	1949.8	2073.0	2193.1	2337.9	2462.0	2591.2	2614.3	2521.4	2386.1
45°	1927.2	2059.9	2171.0	2299.2	2446.0	2619.4	2785.3	2918.0	2913.4	2754.1	2573.1
47.5°	2083.5	2246.4	2382.1	2549.0	2706.8	2913.4	3103.9	3202.0	3144.2	2955.7	2734.0
50°	2212.7	2415.8	2583.2	2752.1	2952.6	3201.5	3384.9	3440.2	3328.6	3123.5	2890.3
52.5°	2316.8	2571.6	2759.6	2954.1	3207.5	3469.4	3627.2	3606.6	3462.3	3251.7	3019.5
55°	2404.7	2690.8	2914.9	3144.7	3458.8	3700.1	3805.2	3749.9	3548.3	3334.7	3108.0
57.5°	2495.7	2806.4	3057.7	3324.1	3674.0	3881.1	3939.4	3825.8	3589.0	3366.3	3146.2
60°	2586.7	2902.9	3183.9	3480.9	3836.8	4028.8	4012.8	3842.9	3576.9	3343.2	3120.5
62.5°	2648.0	2960.2	3257.3	3577.4	3959.0	4104.2	4005.7	3782.0	3507.1	3252.2	3044.1
63°	2649.5	2962.2	3261.8	3584.0	3972.5	4106.8	3992.1	3760.4	3485.0	3233.6	3021.5
65°	2617.9	2924.5	3221.6	3554.3	3961.0	4048.9	3875.0	3632.7	3358.8	3104.9	2903.9
67.5°	2456.0	2768.7	3031.1	3344.7	3753.9	3779.0	3561.4	3365.8	3119.5	2856.6	2646.5
70°	2129.8	2389.7	2647.0	2908.9	3252.2	3247.7	3043.1	2943.6	2727.9	2428.4	2260.0
72.5°	1694.0	1927.2	2108.2	2283.6	2509.8	2464.1	2332.4	2360.0	2220.3	1996.6	1896.5
75°	1257.7	1514.0	1602.5	1673.9	1769.4	1769.9	1806.1	1884.5	1882.5	1758.3	1632.1
77.5°	824.9	1105.4	1135.0	1192.3	1306.9	1462.7	1623.6	1796.5	1839.7	1741.7	1555.2
80°	459.9	751.5	717.3	766.6	890.2	1101.8	1339.1	1530.1	1642.7	1587.9	1390.4
82.5°	235.2	433.3	414.2	482.6	582.6	766.6	923.4	1070.2	1202.9	1195.3	1120.4
85°	122.1	237.3	269.9	305.6	355.9	421.7	481.0	523.8	579.1	676.6	709.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.0	36.2	26.1	71.9	102.5
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: P153504

CATALOG NUMBER: TLM-F02-LED-E1-SLR-7030

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	527.3	527.3	527.3	527.3	527.3	527.3	527.3
2.5°	521.3	521.8	520.8	520.8	521.3	521.3	520.3
5°	520.3	520.3	519.3	518.2	517.2	517.2	516.2
7.5°	531.8	531.8	528.3	526.8	524.3	522.3	521.3
10°	548.9	545.9	541.9	538.9	534.8	530.3	527.8
12.5°	566.0	561.5	556.4	551.9	546.9	541.9	539.4
15°	594.1	588.1	581.6	576.1	569.0	561.5	558.5
17.5°	637.4	627.8	619.3	611.2	598.7	593.1	587.1
20°	694.7	680.6	669.5	656.0	640.4	635.4	627.8
22.5°	764.0	752.0	729.9	719.8	704.2	696.7	698.2
25°	869.6	854.0	828.4	818.8	817.3	800.7	792.7
27.5°	1007.3	1008.3	984.7	959.1	945.0	918.9	885.7
30°	1203.4	1189.8	1162.2	1136.0	1102.8	1053.6	998.3
32.5°	1440.6	1410.5	1364.7	1316.0	1257.2	1181.3	1103.8
35°	1672.4	1619.6	1546.7	1465.3	1380.3	1285.8	1176.2
37.5°	1875.9	1794.0	1684.9	1591.4	1471.3	1353.2	1219.5
40°	2061.9	1960.4	1819.6	1698.5	1556.7	1404.9	1246.6
42.5°	2241.9	2113.2	1940.8	1776.9	1616.6	1439.6	1259.7
45°	2413.3	2247.4	2042.8	1847.8	1660.3	1462.2	1261.7
47.5°	2545.0	2364.0	2134.3	1899.1	1690.5	1479.3	1261.7
50°	2667.1	2462.5	2204.2	1939.3	1718.6	1490.9	1262.7
52.5°	2762.1	2531.9	2249.4	1967.9	1740.7	1499.4	1267.2
55°	2831.0	2577.1	2279.6	1985.5	1756.8	1511.5	1277.3
57.5°	2879.2	2606.8	2296.2	2001.1	1776.4	1532.6	1305.4
60°	2902.4	2661.6	2323.8	2032.3	1810.1	1577.4	1361.7
62.5°	2884.8	2746.5	2402.7	2085.0	1856.8	1647.2	1451.7
63°	2877.2	2762.1	2424.3	2096.6	1867.4	1662.3	1482.9
65°	2818.4	2777.7	2513.3	2154.9	1917.7	1729.2	1569.8
67.5°	2636.0	2716.4	2588.2	2253.4	2025.7	1891.5	1732.2
70°	2399.7	2625.4	2574.6	2266.0	2094.6	2024.7	1834.7
72.5°	2116.7	2350.4	2303.2	2098.6	2018.7	2026.2	1808.1
75°	1665.8	1841.3	1810.1	1738.2	1754.3	1809.6	1548.7
77.5°	1334.6	1310.9	1239.1	1244.1	1337.1	1401.9	1114.9
80°	1090.3	882.7	789.2	791.7	954.1	1021.4	710.3
82.5°	1037.5	834.9	680.1	594.1	694.2	668.5	371.0
85°	738.9	740.4	614.3	499.1	483.6	411.2	231.2
87.5°	174.9	140.2	100.0	74.4	78.4	51.8	26.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)