

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: io LED

Report Number: P1192404

Luminaire Tested: **LDA6A50940D010TE LARH40FL 6LAL1LI**

Issue Date: 3/3/2020

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

**Test Information**

Test Method: LM-41-14
Report Number: P1192404
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26664)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A50940D010TE LARH40FL 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

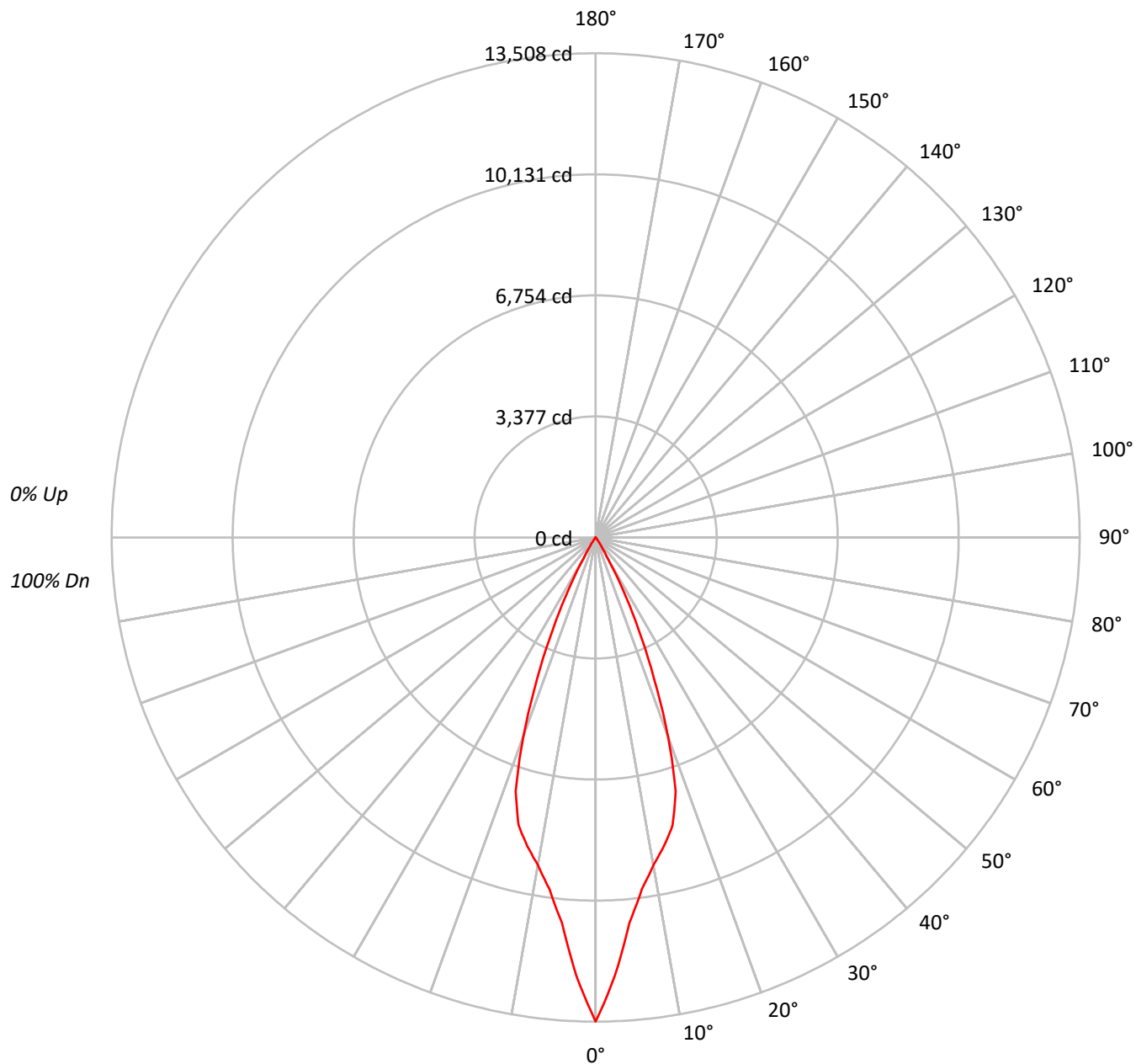
Lumens per Lamp: N/A
Luminaire Lumens: 4690.8 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.58
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 57.4
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	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96						
2	110	107	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92						
3	106	101	97	94	105	100	96	94	98	95	92	95	93	91	93	91	89	88						
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84						
5	99	93	88	85	98	92	87	84	90	86	84	88	85	83	87	84	82	81						
6	96	89	84	81	94	88	84	80	87	83	80	85	82	79	84	81	79	78						
7	92	85	80	77	91	85	80	77	83	79	77	82	79	76	81	78	76	75						
8	89	82	77	74	88	81	77	74	80	76	74	79	76	73	79	75	73	72						
9	86	79	74	71	85	78	74	71	78	74	71	77	73	71	76	73	70	69						
10	84	76	71	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	740494
5°	593780
10°	516535
15°	471416
20°	344541
25°	169310
30°	41519
35°	9055
40°	1997
45°	799
50°	443
55°	698
60°	680
65°	532
70°	497
75°	445
80°	347
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	992.0	21.1
10°-20°	2232.3	47.6
20°-30°	1316.7	28.1
30°-40°	127.0	2.7
40°-50°	9.8	0.2
50°-60°	6.0	0.1
60°-70°	4.2	0.1
70°-80°	2.5	0.1
80°-90°	0.4	0.0
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°	4541.0	96.8
0°-40°	4668.0	99.5
0°-60°	4683.7	99.8
0°-90°	4690.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4690.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13508	
5°	10790	992
15°	8306	2232
25°	2799	1317
35°	135	127
45°	10	10
55°	7	6
65°	4	4
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13507.7
2.5°	12247.6
5°	10790.2
7.5°	9893.7
10°	9279.2
12.5°	8816.5
15°	8306.3
17.5°	7423.2
20°	5905.9
22.5°	4260.6
25°	2799.1
27.5°	1651.5
30°	655.9
32.5°	333.6
35°	135.3
37.5°	45.4
40°	27.9
42.5°	17.6
45°	10.3
47.5°	7.3
50°	5.2
52.5°	6.2
55°	7.3
57.5°	7.3
60°	6.2
62.5°	5.2
65°	4.1
67.5°	3.1
70°	3.1
72.5°	3.1
75°	2.1
77.5°	2.1
80°	1.1
82.5°	1.1
85°	0.0
87.5°	0.0
90°	0.0

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



Report Generated By 670245859 / DESKTOP-T8S5UU9

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Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report



— 0°-180°

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Scaled Data Report



(END OF REPORT)