

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: P1192405

Luminaire Tested: **LDA6A50940D010TE LARH40FL 6LFC1H**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1192405
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26667)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A50940D010TE LARH40FL 6LFC1H
Description: PORTFOLIO 6" Flat Cone, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

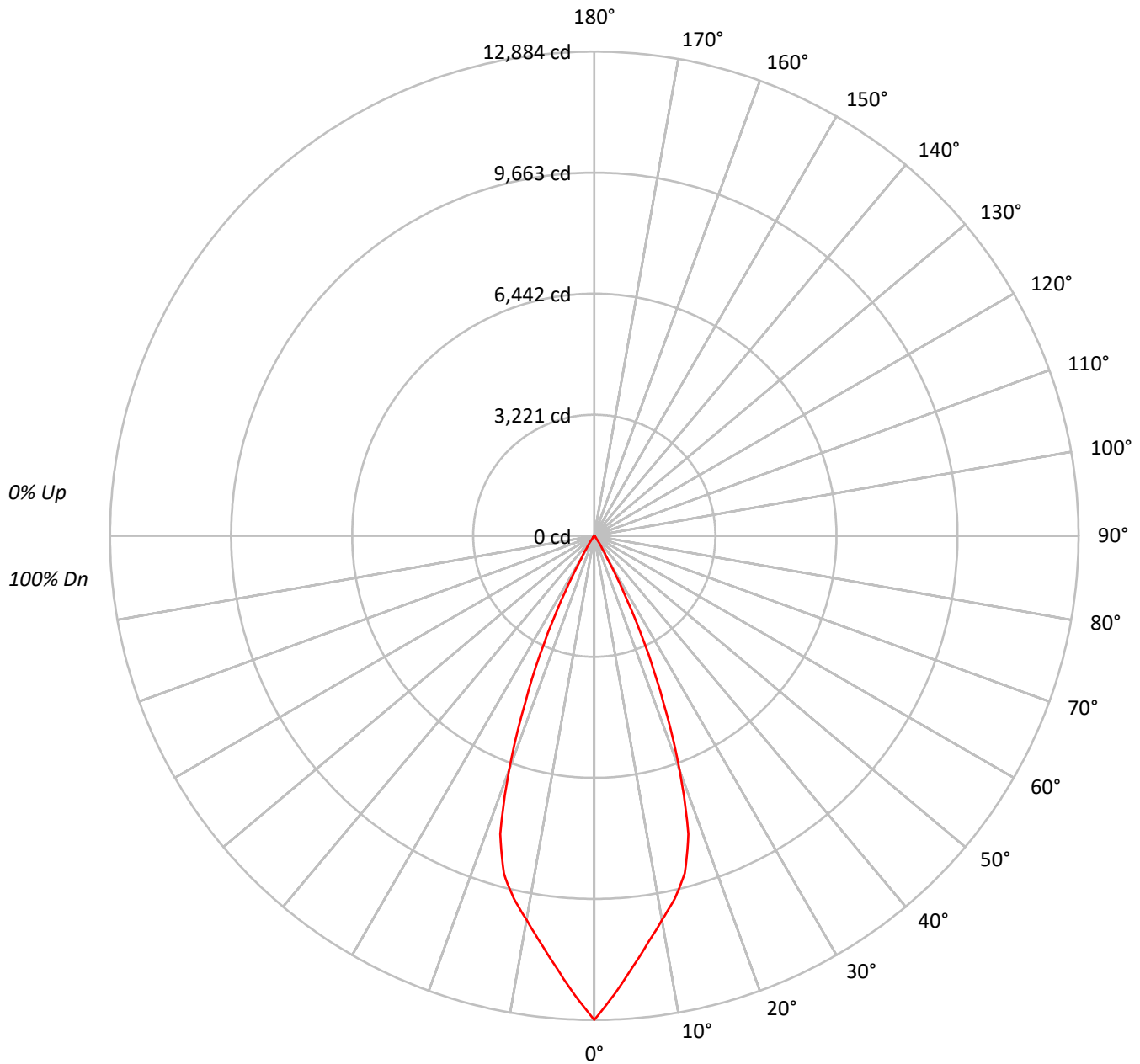
Lumens per Lamp: N/A
Luminaire Lumens: 5169.1 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.61
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	112	110	108		112	110	108	107		106	105	103		103	101	100		99	98	98
2	110	107	103	101		108	105	102	99		102	99	97		99	97	95		96	95	93
3	106	101	97	94		105	100	96	94		98	95	92		95	93	91		93	91	89
4	103	97	92	89		101	96	92	89		94	90	88		92	89	87		90	88	86
5	99	93	88	85		98	92	87	84		90	86	84		89	85	83		87	84	82
6	96	89	84	81		94	88	84	81		87	83	80		85	82	79		84	81	79
7	92	85	81	77		91	85	80	77		83	80	77		82	79	76		81	78	76
8	89	82	77	74		88	81	77	74		80	76	74		80	76	73		79	75	73
9	86	79	74	71		85	78	74	71		78	74	71		77	73	71		76	73	70
10	84	76	71	68		83	76	71	68		75	71	68		74	71	68		74	70	68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	706292
5°	634926
10°	577583
15°	527966
20°	387414
25°	191503
30°	41582
35°	7877
40°	2140
45°	961
50°	529
55°	497
60°	340
65°	402
70°	337
75°	233
80°	347
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1067.4	20.6
10°-20°	2502.4	48.4
20°-30°	1453.7	28.1
30°-40°	126.1	2.4
40°-50°	10.8	0.2
50°-60°	4.3	0.1
60°-70°	2.7	0.1
70°-80°	1.3	0.0
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°	5023.5	97.2
0°-40°	5149.5	99.6
0°-60°	5164.6	99.9
0°-90°	5169.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5169.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12884	
5°	11538	###
15°	9303	2502
25°	3166	1454
35°	118	126
45°	12	11
55°	5	4
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12883.8
2.5°	12210.3
5°	11537.9
7.5°	10927.4
10°	10375.9
12.5°	9891.4
15°	9302.7
17.5°	8320.3
20°	6640.8
22.5°	4810.4
25°	3166.0
27.5°	1653.8
30°	656.9
32.5°	340.8
35°	117.7
37.5°	48.6
40°	29.9
42.5°	18.5
45°	12.4
47.5°	8.2
50°	6.2
52.5°	5.2
55°	5.2
57.5°	4.1
60°	3.1
62.5°	3.1
65°	3.1
67.5°	2.1
70°	2.1
72.5°	1.1
75°	1.1
77.5°	1.1
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



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Peachtree City, GA 30269

Scaled Data Report



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— 0°-180°

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(END OF REPORT)