

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: P1192388

Luminaire Tested: **LDA6A50935D010TE LARH40FL 6LFC1H**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1192388
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: LDA6A50935D010TE LARH40FL 6LFC1H
Description: PORTFOLIO 6" Flat Cone, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

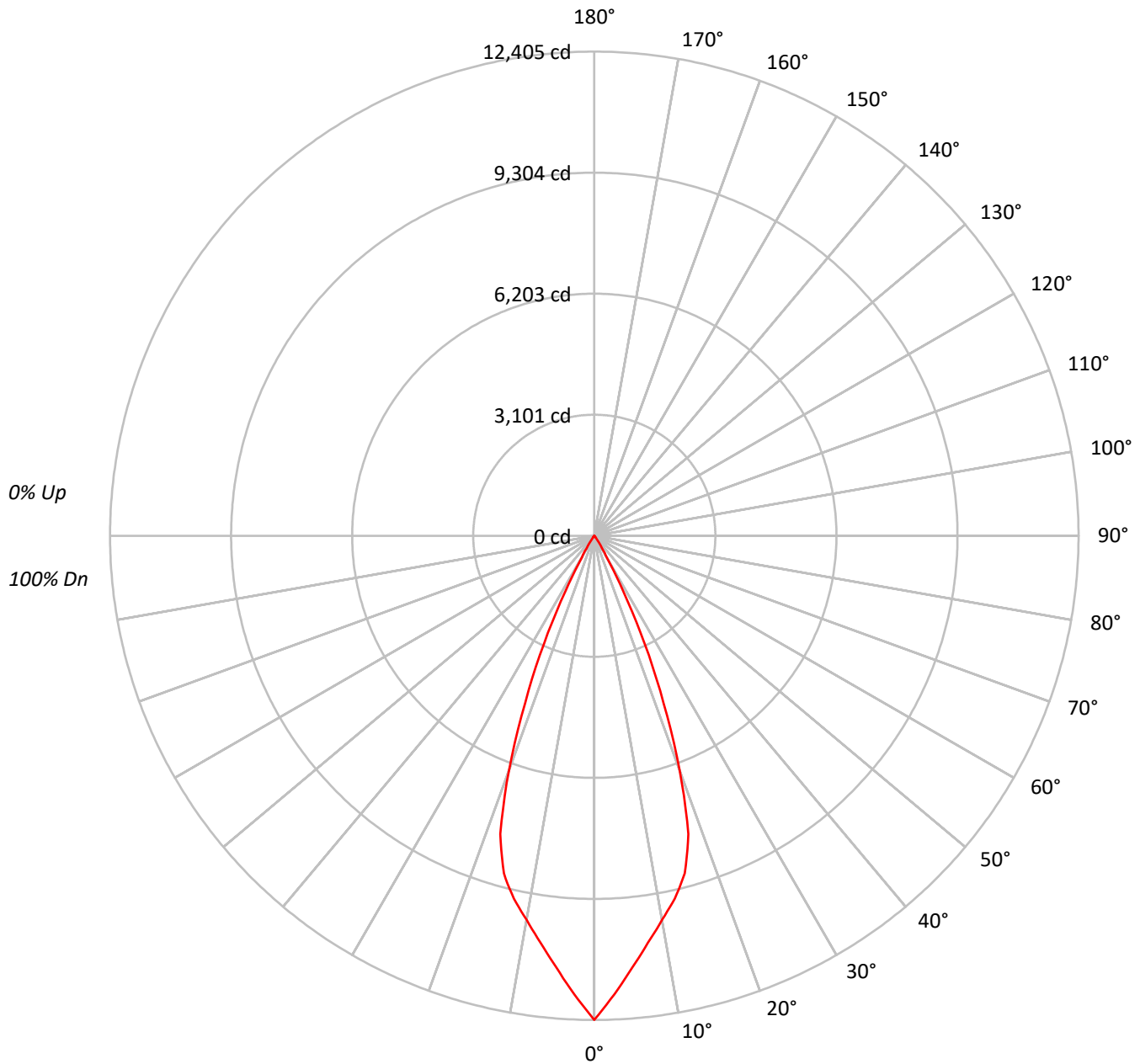
Lumens per Lamp: N/A
Luminaire Lumens: 4976.7 lumens
Efficiency: N/A
Efficacy: 86.7 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.61
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				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	115	112	110	108	112	110	108	107	106	105	104	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	89	85	83	87	84	82	81			
6	96	89	84	81	94	88	84	81	87	83	80	85	82	79	84	81	79	78			
7	92	85	81	77	91	85	80	77	83	80	77	82	79	76	81	78	76	75			
8	89	82	77	74	88	81	77	74	80	76	74	80	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°	680044
5°	611329
10°	556113
15°	508340
20°	373016
25°	184384
30°	40038
35°	7589
40°	2068
45°	930
50°	512
55°	468
60°	318
65°	376
70°	321
75°	191
80°	284
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1027.7	20.6
10°-20°	2409.4	48.4
20°-30°	1399.7	28.1
30°-40°	121.4	2.4
40°-50°	10.5	0.2
50°-60°	4.1	0.1
60°-70°	2.5	0.1
70°-80°	1.1	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°	4836.8	97.2
0°-40°	4958.2	99.6
0°-60°	4972.7	99.9
0°-90°	4976.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4976.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12405	
5°	11109	###
15°	8957	2409
25°	3048	1400
35°	113	121
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°	12405.0
2.5°	11756.6
5°	11109.1
7.5°	10521.3
10°	9990.2
12.5°	9523.8
15°	8956.9
17.5°	8011.1
20°	6394.0
22.5°	4631.6
25°	3048.3
27.5°	1592.3
30°	632.5
32.5°	328.2
35°	113.4
37.5°	46.7
40°	28.9
42.5°	18.0
45°	12.0
47.5°	8.0
50°	6.0
52.5°	4.9
55°	4.9
57.5°	4.0
60°	2.9
62.5°	2.9
65°	2.9
67.5°	2.0
70°	2.0
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.9
82.5°	0.9
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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1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



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— 0°-180°

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(END OF REPORT)