

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: P179583

Luminaire Tested: **LDA6A45840D010TE LARH30NF 6LAL1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179583
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26663)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A45840D010TE LARH30NF 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 30° Narrow Flood
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4508.7 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.52
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

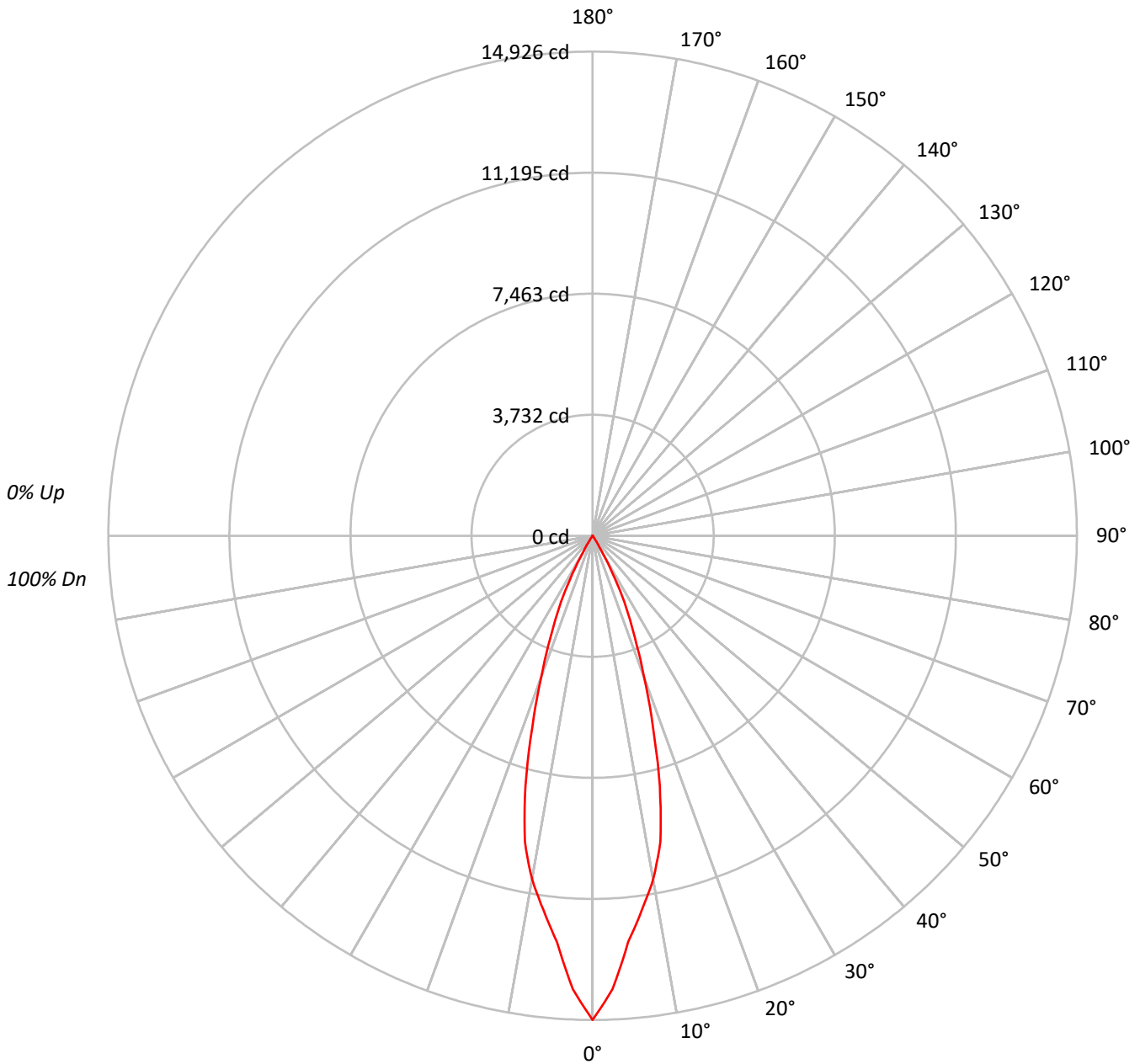
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92			
3	107	102	98	95	105	101	97	94	98	95	93	96	94	92	94	92	90	89			
4	103	98	93	90	102	97	93	90	95	91	89	93	90	88	91	89	87	86			
5	100	94	89	86	99	93	89	86	91	88	85	90	87	84	88	86	84	82			
6	97	90	86	82	95	89	85	82	88	84	82	87	84	81	86	83	81	79			
7	94	87	82	79	92	86	82	79	85	81	79	84	81	78	83	80	78	77			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72			
10	85	78	74	71	84	78	74	71	77	73	71	76	73	70	76	73	70	69			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	818229
5°	691859
10°	598508
15°	453822
20°	270008
25°	148121
30°	38177
35°	3413
40°	1417
45°	806
50°	443
55°	698
60°	680
65°	545
70°	497
75°	445
80°	316
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1152.5	25.6
10°-20°	2139.7	47.5
20°-30°	1099.5	24.4
30°-40°	95.9	2.1
40°-50°	8.5	0.2
50°-60°	5.7	0.1
60°-70°	4.2	0.1
70°-80°	2.2	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°	4391.8	97.4
0°-40°	4487.6	99.5
0°-60°	4501.9	99.8
0°-90°	4508.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4508.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14926	
5°	12572	###
15°	7996	2140
25°	2449	1100
35°	51	96
45°	10	9
55°	7	6
65°	4	4
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	14925.7
2.5°	13989.8
5°	12572.5
7.5°	11633.6
10°	10751.8
12.5°	9651.7
15°	7996.3
17.5°	6170.3
20°	4628.3
22.5°	3389.8
25°	2448.8
27.5°	1506.7
30°	603.1
32.5°	261.0
35°	51.0
37.5°	29.1
40°	19.8
42.5°	14.6
45°	10.4
47.5°	7.3
50°	5.2
52.5°	6.2
55°	7.3
57.5°	6.2
60°	6.2
62.5°	5.2
65°	4.2
67.5°	3.1
70°	3.1
72.5°	2.1
75°	2.1
77.5°	2.1
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)