

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: P179811

Luminaire Tested: **LDA6A65940D010TE LARH30NF 6LFC1H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P179811  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26682)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA6A65940D010TE LARH30NF 6LFC1H  
Description: PORTFOLIO 6" Flat Cone, Self-flanged, 30° Narrow Flood  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5622.7 lumens  
Efficiency: N/A  
Efficacy: 72.1 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.55  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

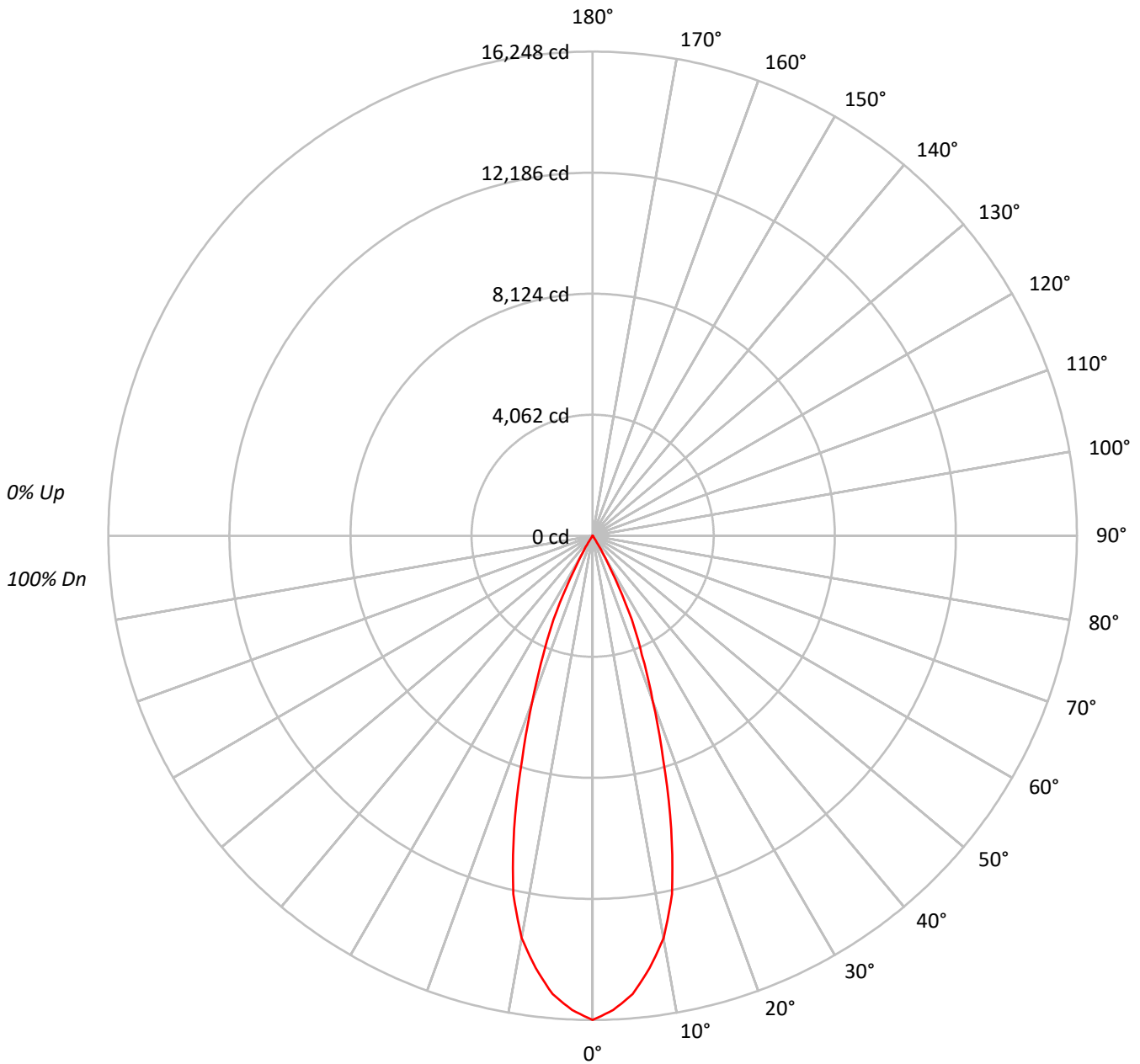
Input Watts (W): 78  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	890746
5°	849596
10°	763084
15°	577949
20°	343782
25°	187844
30°	42722
35°	4049
40°	1639
45°	806
50°	537
55°	497
60°	340
65°	402
70°	337
75°	212
80°	316
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1416.8	25.2
10°-20°	2727.1	48.5
20°-30°	1356.3	24.1
30°-40°	104.9	1.9
40°-50°	9.3	0.2
50°-60°	4.3	0.1
60°-70°	2.7	0.0
70°-80°	1.2	0.0
80°-90°	0.1	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°	5500.2	97.8
0°-40°	5605.0	99.7
0°-60°	5618.7	99.9
0°-90°	5622.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5622.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	16248	
5°	15439	###
15°	10183	2727
25°	3106	1356
35°	60	105
45°	10	9
55°	5	4
65°	3	3
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	16248.5
2.5°	15927.2
5°	15438.9
7.5°	14626.3
10°	13708.3
12.5°	12312.6
15°	10183.4
17.5°	7864.5
20°	5892.9
22.5°	4322.9
25°	3105.5
27.5°	1627.3
30°	674.9
32.5°	268.1
35°	60.5
37.5°	35.5
40°	22.9
42.5°	15.6
45°	10.4
47.5°	8.3
50°	6.3
52.5°	5.2
55°	5.2
57.5°	4.2
60°	3.1
62.5°	3.1
65°	3.1
67.5°	2.1
70°	2.1
72.5°	1.0
75°	1.0
77.5°	1.0
80°	1.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)