

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: P179585

Luminaire Tested: **LDA6A45930D010TE LARH30NF 6LAL1LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P179585  
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: LDA6A45930D010TE LARH30NF 6LAL1LI  
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 30° Narrow Flood  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3528.8 lumens  
Efficiency: N/A  
Efficacy: 66.6 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

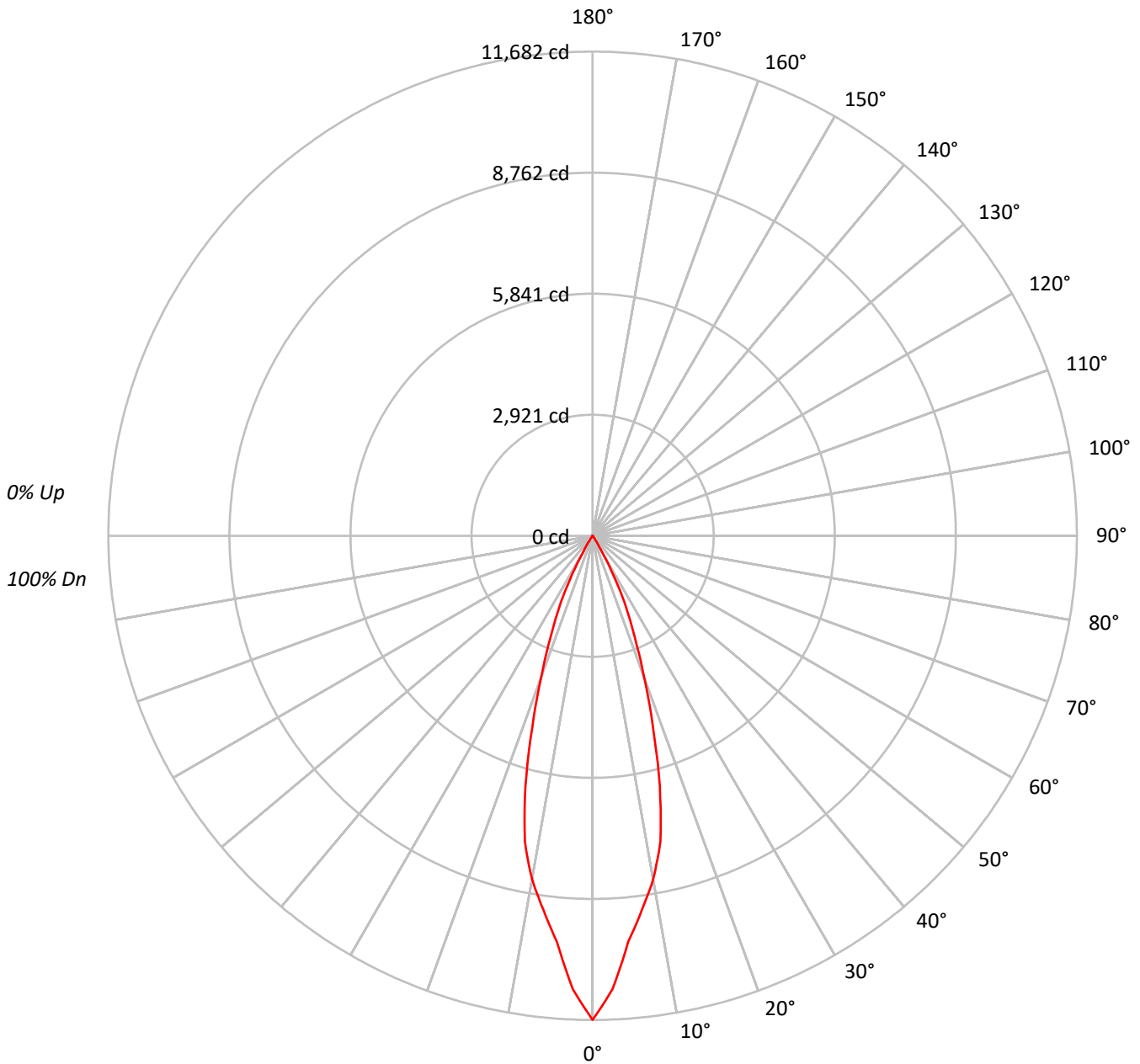
Input Watts (W): 53  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	640393
5°	541491
10°	468428
15°	355189
20°	211325
25°	115930
30°	29878
35°	2670
40°	1109
45°	628
50°	350
55°	545
60°	537
65°	428
70°	385
75°	339
80°	253
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	902.1	25.6
10°-20°	1674.7	47.5
20°-30°	860.6	24.4
30°-40°	75.1	2.1
40°-50°	6.7	0.2
50°-60°	4.5	0.1
60°-70°	3.3	0.1
70°-80°	1.7	0.0
80°-90°	0.3	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°	3437.3	97.4
0°-40°	3512.3	99.5
0°-60°	3523.5	99.8
0°-90°	3528.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3528.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11682	
5°	9840	902
15°	6258	1675
25°	1917	861
35°	40	75
45°	8	7
55°	6	4
65°	3	3
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	11681.7
2.5°	10949.3
5°	9840.0
7.5°	9105.2
10°	8415.0
12.5°	7554.0
15°	6258.4
17.5°	4829.3
20°	3622.4
22.5°	2653.1
25°	1916.6
27.5°	1179.2
30°	472.0
32.5°	204.3
35°	39.9
37.5°	22.8
40°	15.5
42.5°	11.4
45°	8.1
47.5°	5.7
50°	4.1
52.5°	4.9
55°	5.7
57.5°	4.9
60°	4.9
62.5°	4.1
65°	3.3
67.5°	2.4
70°	2.4
72.5°	1.6
75°	1.6
77.5°	1.6
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)