

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: P179802

Luminaire Tested: **LDA6A55935D010TE LARH30NF 6LFC1H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P179802  
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: LDA6A55935D010TE LARH30NF 6LFC1H  
Description: PORTFOLIO 6" Flat Cone, Self-flanged, 30° Narrow Flood  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4608.2 lumens  
Efficiency: N/A  
Efficacy: 75.5 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

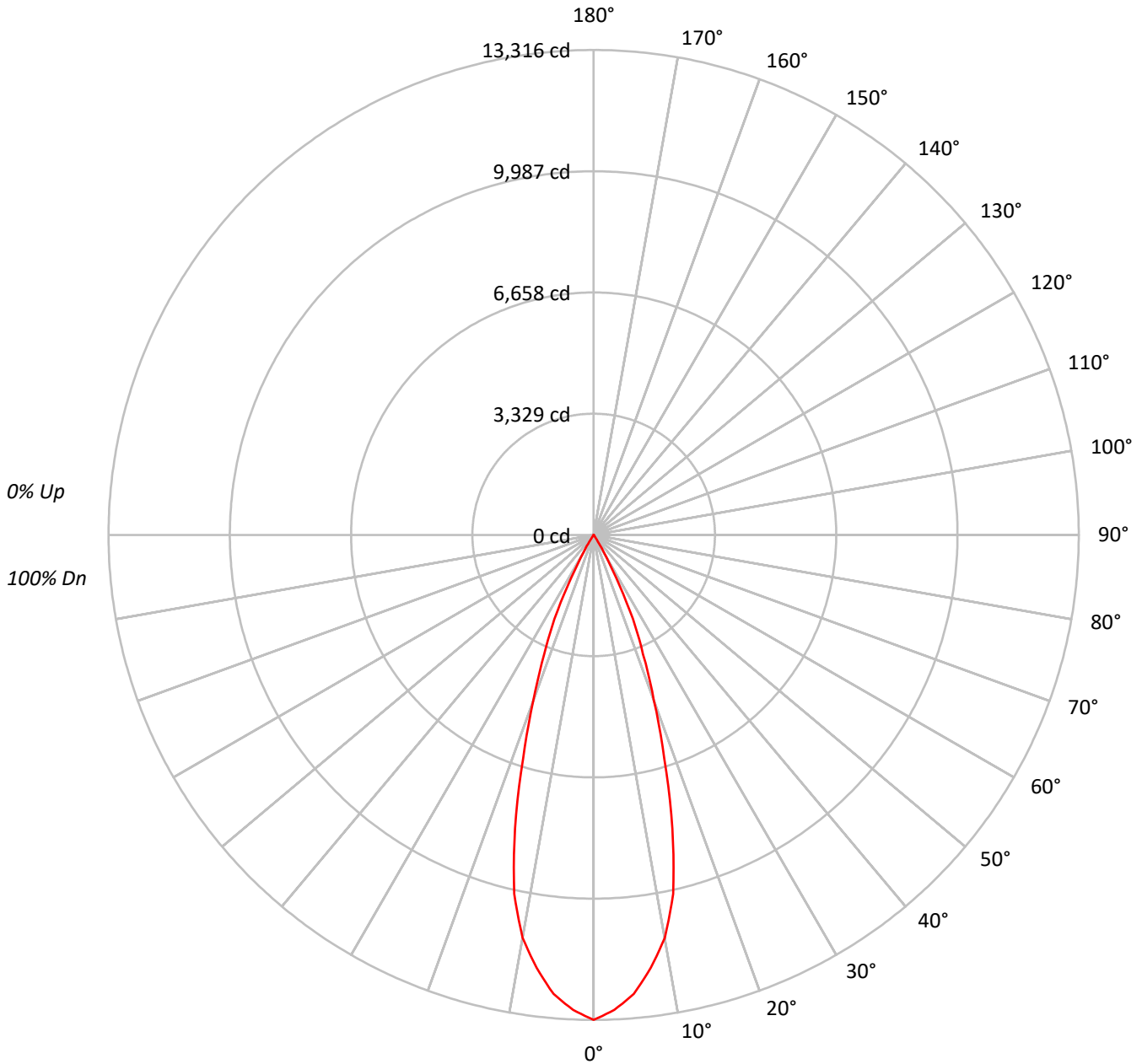
Input Watts (W): 61  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	730007
5°	696289
10°	625384
15°	473658
20°	281745
25°	153946
30°	35012
35°	3319
40°	1345
45°	659
50°	435
55°	411
60°	285
65°	337
70°	272
75°	191
80°	284
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1161.2	25.2
10°-20°	2235.0	48.5
20°-30°	1111.5	24.1
30°-40°	85.9	1.9
40°-50°	7.6	0.2
50°-60°	3.5	0.1
60°-70°	2.2	0.0
70°-80°	1.1	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°	4507.7	97.8
0°-40°	4593.6	99.7
0°-60°	4604.8	99.9
0°-90°	4608.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4608.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13316	
5°	12653	###
15°	8346	2235
25°	2545	1112
35°	50	86
45°	8	8
55°	4	4
65°	3	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	13316.4
2.5°	13053.1
5°	12653.0
7.5°	11987.0
10°	11234.6
12.5°	10090.7
15°	8345.8
17.5°	6445.3
20°	4829.5
22.5°	3542.8
25°	2545.1
27.5°	1333.7
30°	553.1
32.5°	219.7
35°	49.6
37.5°	29.1
40°	18.8
42.5°	12.8
45°	8.5
47.5°	6.8
50°	5.1
52.5°	4.3
55°	4.3
57.5°	3.4
60°	2.6
62.5°	2.6
65°	2.6
67.5°	1.7
70°	1.7
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)