

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: P179754

Luminaire Tested: **LDA6A55935D010TE LARH30NF 6LAL1LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P179754  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26679)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA6A55935D010TE LARH30NF 6LAL1LI  
Description: PORTFOLIO 6" Lensed Adjustable, 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: 4220.9 lumens  
Efficiency: N/A  
Efficacy: 69.2 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.51  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

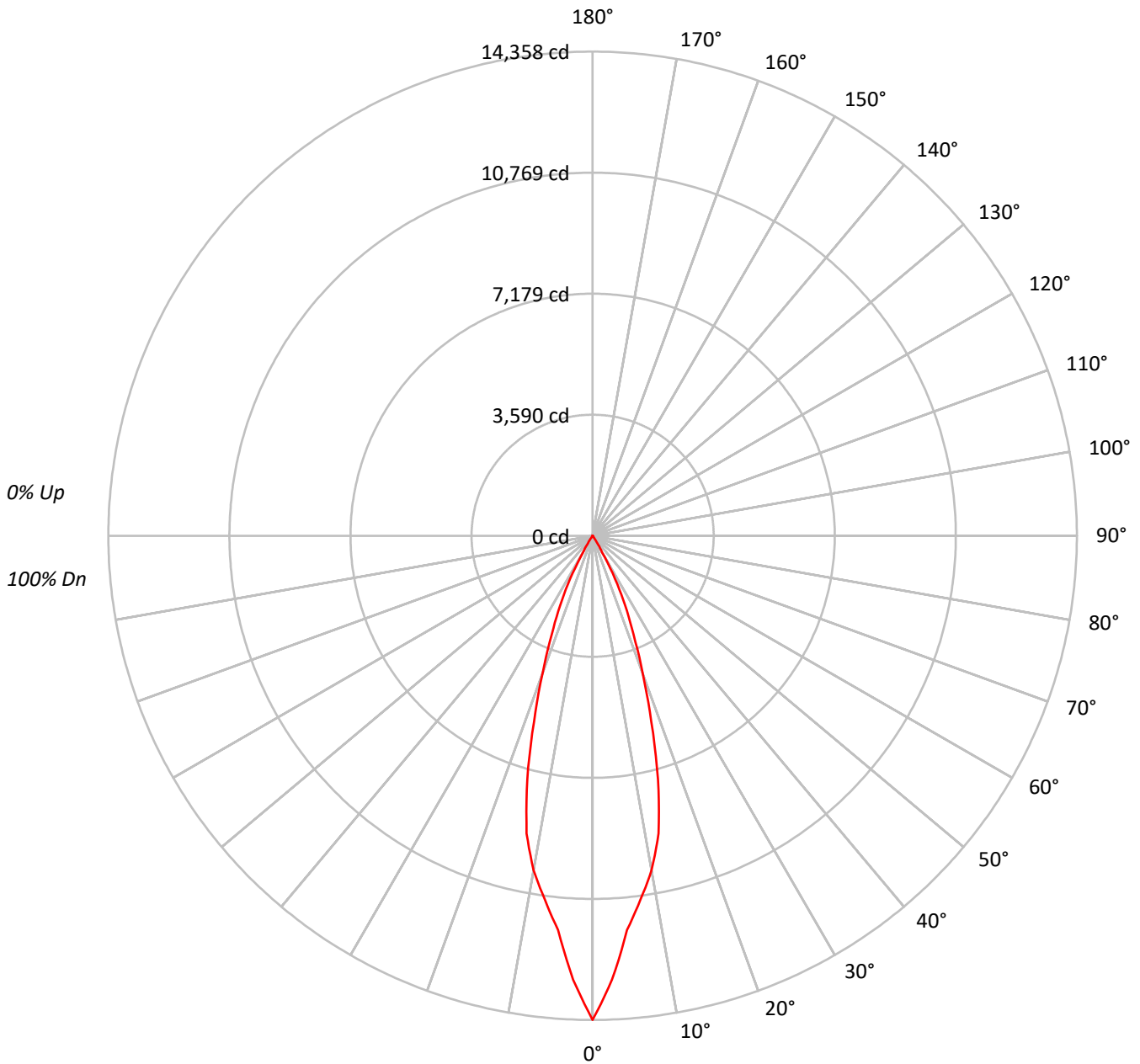
Input Watts (W): 61  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	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	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	71	76	73	70	69																																				

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

	0°
0°	787081
5°	645783
10°	560583
15°	424599
20°	252349
25°	137464
30°	35505
35°	3319
40°	1410
45°	729
50°	367
55°	573
60°	559
65°	441
70°	417
75°	360
80°	284
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1079.9	25.6
10°-20°	2003.7	47.5
20°-30°	1028.2	24.4
30°-40°	90.3	2.1
40°-50°	8.0	0.2
50°-60°	4.9	0.1
60°-70°	3.5	0.1
70°-80°	2.0	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°	4111.8	97.4
0°-40°	4202.1	99.6
0°-60°	4215.0	99.9
0°-90°	4220.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4220.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	14358	
5°	11735	###
15°	7481	2004
25°	2273	1028
35°	50	90
45°	9	8
55°	6	5
65°	3	3
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	14357.5
2.5°	13176.7
5°	11735.2
7.5°	10877.6
10°	10070.5
12.5°	9041.9
15°	7481.4
17.5°	5785.1
20°	4325.6
22.5°	3159.3
25°	2272.6
27.5°	1436.4
30°	560.9
32.5°	246.2
35°	49.6
37.5°	28.2
40°	19.7
42.5°	13.7
45°	9.4
47.5°	6.8
50°	4.3
52.5°	5.1
55°	6.0
57.5°	6.0
60°	5.1
62.5°	4.3
65°	3.4
67.5°	2.6
70°	2.6
72.5°	2.6
75°	1.7
77.5°	1.7
80°	0.9
82.5°	0.9
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)