

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: P179779

Luminaire Tested: **LDA6A65940D010TE LARH40FL 6LAL1LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P179779  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26680)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA6A65940D010TE LARH40FL 6LAL1LI  
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 40° Flood  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5372.4 lumens  
Efficiency: N/A  
Efficacy: 68.9 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.58  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

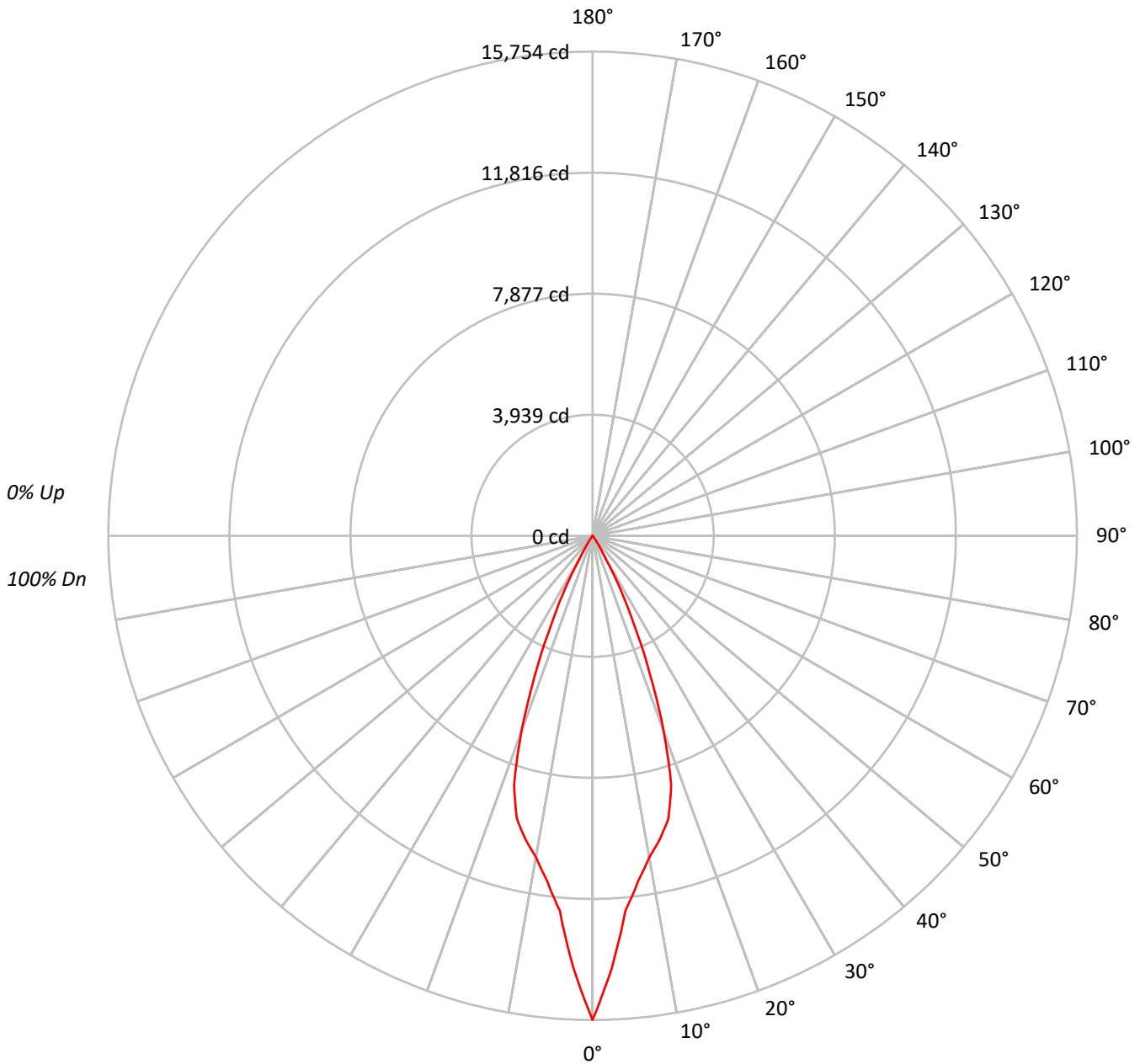
Input Watts (W): 78  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96			
2	110	107	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92			
3	106	101	97	94	105	100	96	94	98	95	92	95	93	91	93	91	89	88			
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84			
5	99	93	88	85	98	92	87	84	90	86	84	88	85	83	87	84	82	81			
6	96	89	84	81	94	88	84	80	87	83	80	85	82	79	84	81	79	78			
7	92	85	80	77	91	85	80	77	83	79	77	82	79	76	81	78	76	75			
8	89	82	77	74	88	81	77	74	80	76	74	79	76	73	79	75	73	72			
9	86	79	74	71	85	78	74	71	78	74	71	77	73	71	76	73	70	69			
10	83	76	71	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67			

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

	0°
0°	863659
5°	674316
10°	591355
15°	540457
20°	394764
25°	192634
30°	47014
35°	10748
40°	2311
45°	1054
50°	537
55°	793
60°	800
65°	675
70°	497
75°	445
80°	316
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1135.3	21.1
10°-20°	2557.3	47.6
20°-30°	1506.4	28.0
30°-40°	147.0	2.7
40°-50°	11.8	0.2
50°-60°	6.7	0.1
60°-70°	5.2	0.1
70°-80°	2.5	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°	5198.9	96.8
0°-40°	5345.9	99.5
0°-60°	5364.4	99.9
0°-90°	5372.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5372.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	15754	
5°	12254	###
15°	9523	2557
25°	3185	1506
35°	161	147
45°	14	12
55°	8	7
65°	5	5
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	15754.4
2.5°	14101.1
5°	12253.7
7.5°	11331.6
10°	10623.3
12.5°	10108.0
15°	9522.8
17.5°	8493.2
20°	6766.8
22.5°	4880.8
25°	3184.7
27.5°	1900.6
30°	742.7
32.5°	389.1
35°	160.6
37.5°	53.2
40°	32.3
42.5°	20.9
45°	13.6
47.5°	8.3
50°	6.3
52.5°	7.3
55°	8.3
57.5°	7.3
60°	7.3
62.5°	6.3
65°	5.2
67.5°	4.2
70°	3.1
72.5°	3.1
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)