

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: P179778

Luminaire Tested: **LDA6A65935D010TE LARH40FL 6LAL1LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P179778  
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: LDA6A65935D010TE LARH40FL 6LAL1LI  
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 40° Flood  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5253.2 lumens  
Efficiency: N/A  
Efficacy: 67.3 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

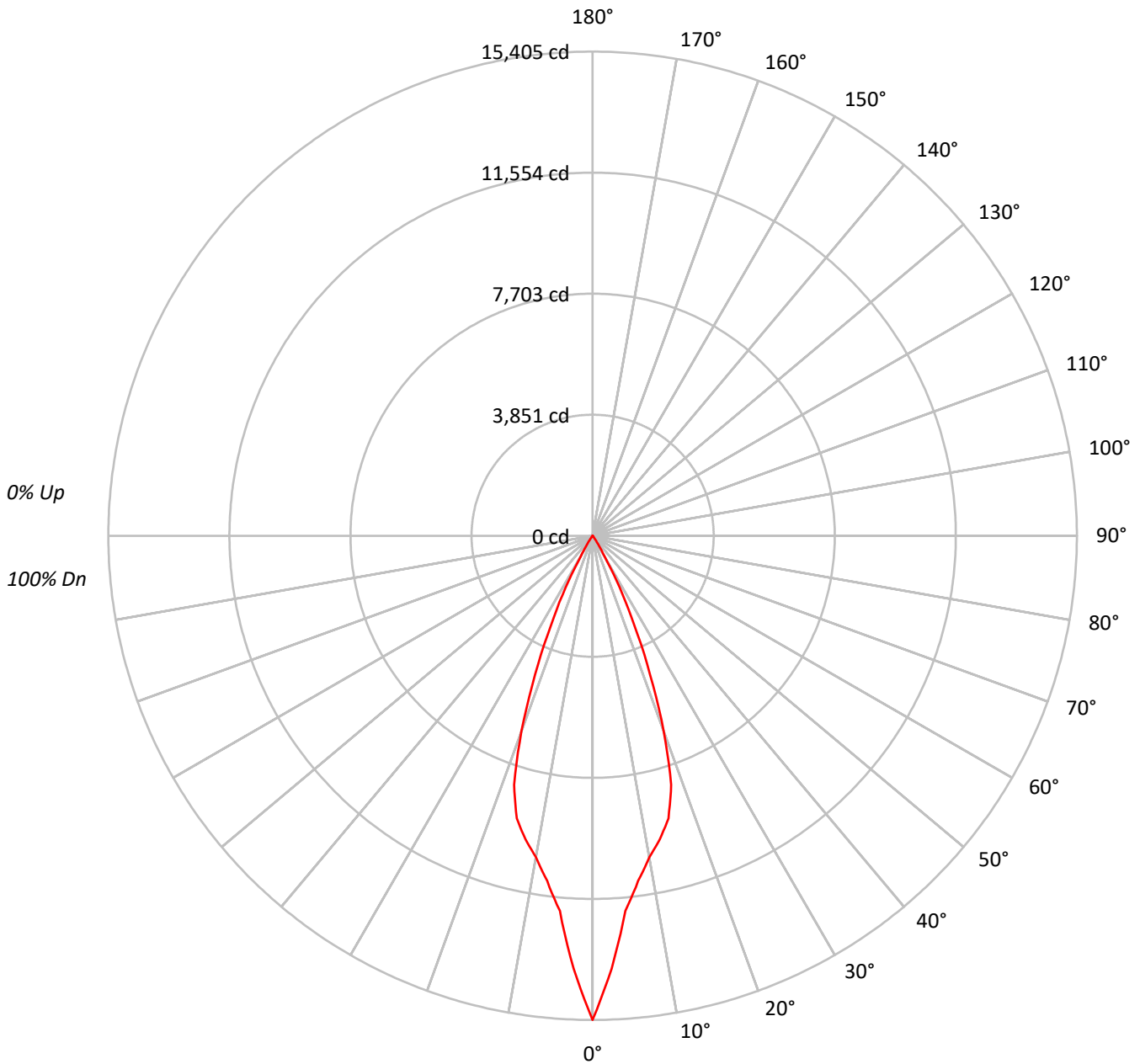
Input Watts (W): 78  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				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				100
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96				96
2	110	107	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92				92
3	106	101	97	94	105	100	96	94	98	95	92	95	93	91	93	91	89	88				88
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84				84
5	99	93	88	85	98	92	87	84	90	86	84	88	85	83	87	84	82	81				81
6	96	89	84	81	94	88	84	80	87	83	80	85	82	79	84	81	79	78				78
7	92	85	80	77	91	85	80	77	83	79	77	82	79	76	81	78	76	75				75
8	89	82	77	74	88	81	77	74	80	76	74	79	76	73	79	75	73	72				72
9	86	79	74	71	85	78	74	71	78	74	71	77	73	71	76	73	70	69				69
10	83	76	71	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67				67

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

	0°
0°	844494
5°	659353
10°	578229
15°	528459
20°	386002
25°	188358
30°	45969
35°	10514
40°	2261
45°	1031
50°	520
55°	784
60°	778
65°	662
70°	497
75°	424
80°	316
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1110.1	21.1
10°-20°	2500.5	47.6
20°-30°	1473.0	28.0
30°-40°	143.8	2.7
40°-50°	11.5	0.2
50°-60°	6.5	0.1
60°-70°	5.0	0.1
70°-80°	2.4	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°	5083.6	96.8
0°-40°	5227.3	99.5
0°-60°	5245.3	99.9
0°-90°	5253.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5253.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	15405	
5°	11982	###
15°	9311	2501
25°	3114	1473
35°	157	144
45°	13	11
55°	8	7
65°	5	5
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	15404.8
2.5°	13788.2
5°	11981.8
7.5°	11080.1
10°	10387.5
12.5°	9883.7
15°	9311.4
17.5°	8304.7
20°	6616.6
22.5°	4772.5
25°	3114.0
27.5°	1858.4
30°	726.2
32.5°	380.5
35°	157.1
37.5°	52.0
40°	31.6
42.5°	20.4
45°	13.3
47.5°	8.2
50°	6.1
52.5°	7.1
55°	8.2
57.5°	7.1
60°	7.1
62.5°	6.1
65°	5.1
67.5°	4.1
70°	3.1
72.5°	3.1
75°	2.0
77.5°	2.0
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)