

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: P179726

Luminaire Tested: **LDA6A65835D010TE LARH40FL 6LA1LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P179726  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26677)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA6A65835D010TE LARH40FL 6LA1LI  
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, Self-flanged, 40° Flood  
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6793.6 lumens  
Efficiency: N/A  
Efficacy: 87.1 lumens/watt  
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.61  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

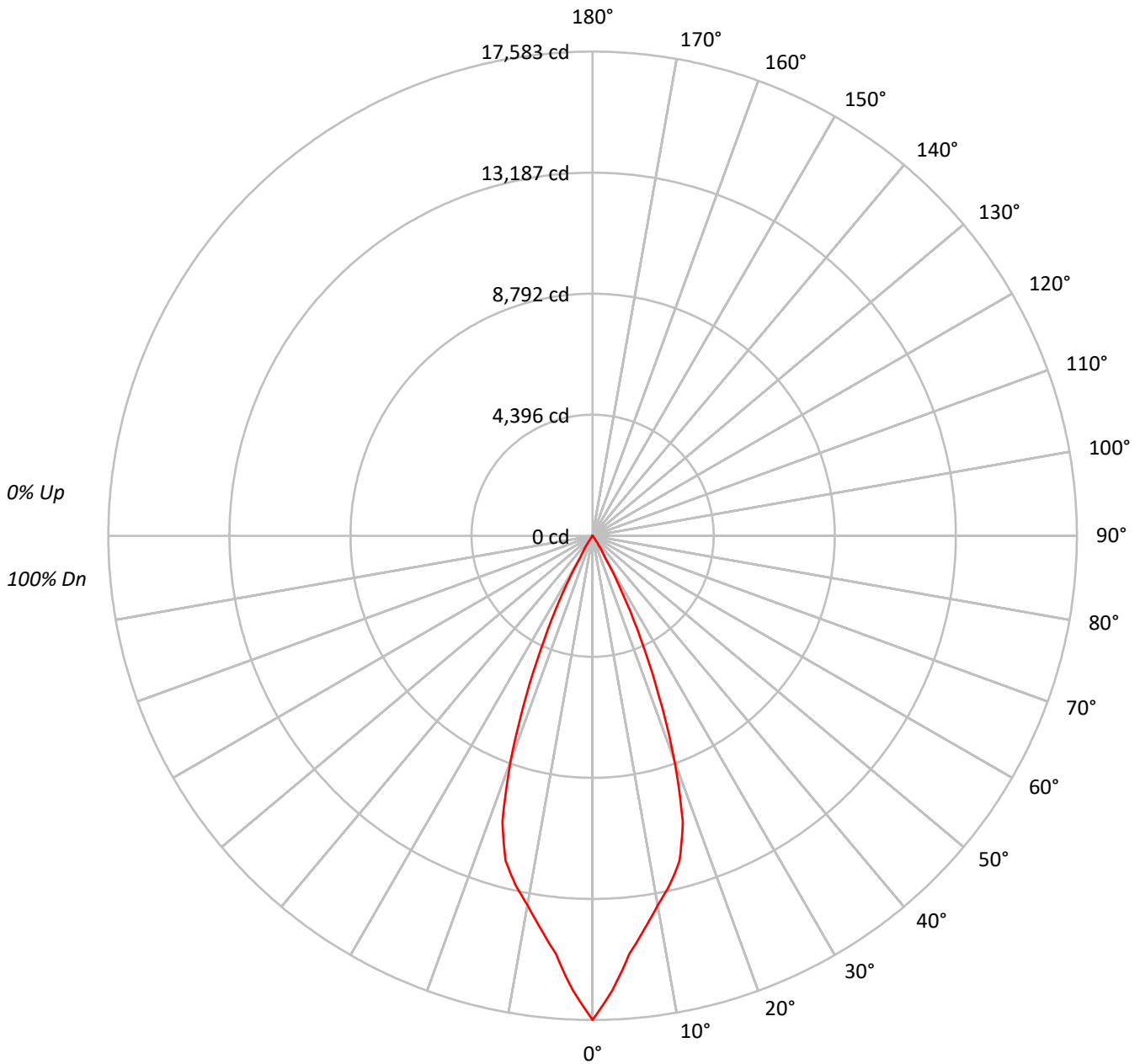
Input Watts (W): 78  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	100	100
1	115	112	110	109	112	110	108	107	106	105	104	103	101	100	99	98	98	96	96	96	96
2	110	107	103	101	108	105	102	100	102	99	97	99	97	95	96	95	93	92	92	92	92
3	107	101	98	94	105	100	97	94	98	95	92	95	93	91	93	91	89	88	88	88	88
4	103	97	93	89	101	96	92	89	94	90	88	92	89	87	90	88	86	85	85	85	85
5	99	93	88	85	98	92	88	84	90	87	84	89	85	83	87	85	82	81	81	81	81
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78	78	78	78
7	92	85	81	77	91	85	80	77	84	80	77	82	79	76	81	78	76	75	75	75	75
8	89	82	77	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72	72	72	72
9	86	79	74	71	85	79	74	71	78	74	71	77	73	71	76	73	71	70	70	70	70
10	84	76	72	69	83	76	71	69	75	71	68	74	71	68	74	70	68	67	67	67	67

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

	0°
0°	963892
5°	839157
10°	758208
15°	692796
20°	507305
25°	250333
30°	55585
35°	11256
40°	1875
45°	558
50°	102
55°	115
60°	132
65°	156
70°	192
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1413.6	20.8
10°-20°	3279.9	48.3
20°-30°	1924.0	28.3
30°-40°	166.4	2.4
40°-50°	7.3	0.1
50°-60°	1.1	0.0
60°-70°	1.2	0.0
70°-80°	0.2	0.0
80°-90°	0.0	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°	6617.4	97.4
0°-40°	6783.9	99.9
0°-60°	6792.2	100.0
0°-90°	6793.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6793.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	17583	
5°	15249	###
15°	12207	3280
25°	4139	1924
35°	168	166
45°	7	7
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	17582.8
2.5°	16522.2
5°	15249.2
7.5°	14402.2
10°	13620.7
12.5°	12970.5
15°	12207.0
17.5°	10887.5
20°	8695.9
22.5°	6288.4
25°	4138.6
27.5°	2332.4
30°	878.1
32.5°	453.3
35°	168.2
37.5°	51.3
40°	26.2
42.5°	14.3
45°	7.2
47.5°	3.6
50°	1.2
52.5°	1.2
55°	1.2
57.5°	1.2
60°	1.2
62.5°	1.2
65°	1.2
67.5°	1.2
70°	1.2
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)