

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: P179826

Luminaire Tested: **LDA6A65935D010TE LARH40FL 6LFC1H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P179826  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26683)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA6A65935D010TE LARH40FL 6LFC1H  
Description: PORTFOLIO 6" Flat Cone, 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: 5759.1 lumens  
Efficiency: N/A  
Efficacy: 73.8 lumens/watt  
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.61  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

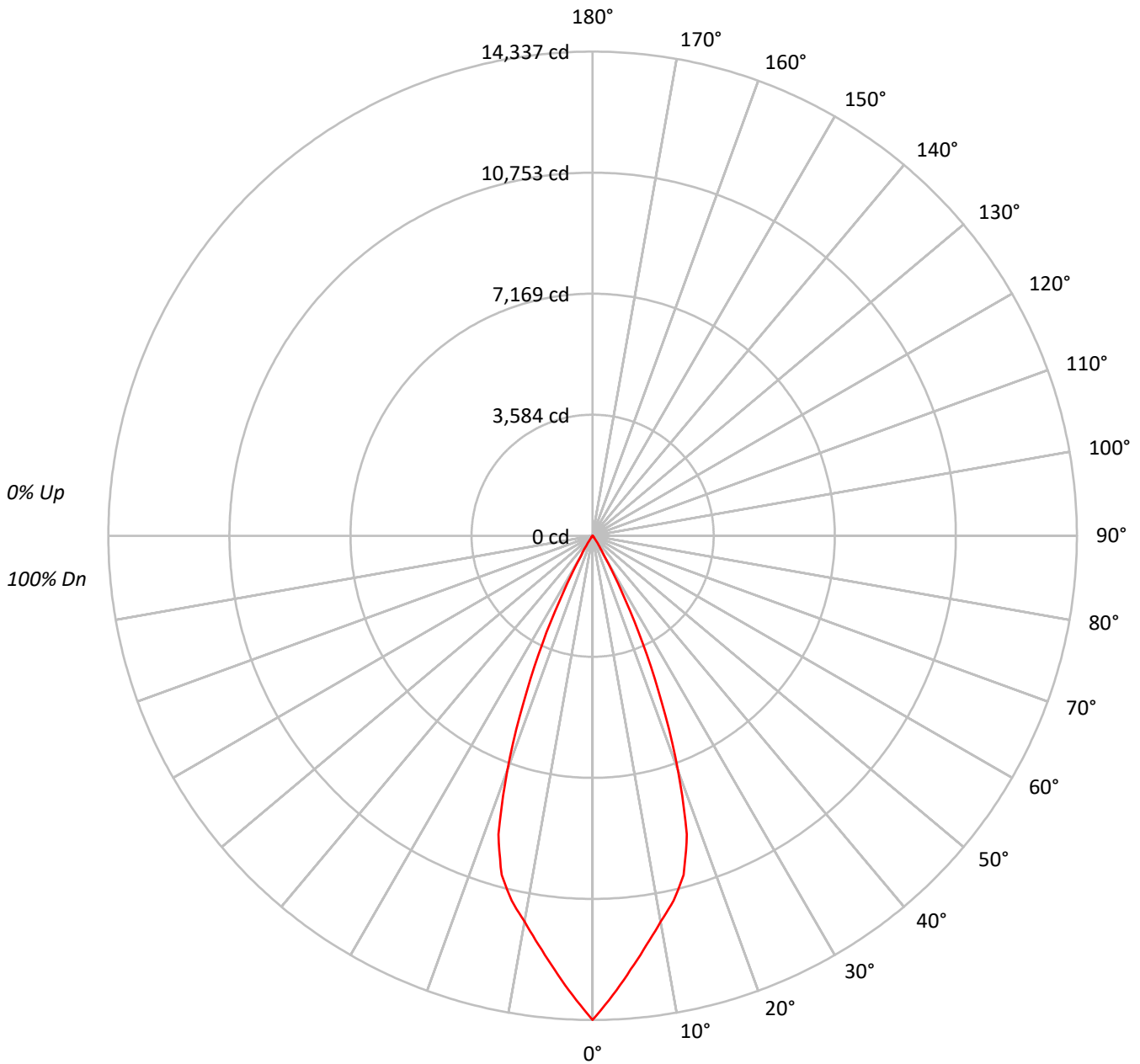
Input Watts (W): 78  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	104	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	97	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	88	84	90	86	84	89	85	83	87	84	82	81																												
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78																												
7	92	85	81	77	91	85	80	77	83	80	77	82	79	76	81	78	76	75																												
8	89	82	77	74	88	81	77	74	80	77	74	80	76	73	79	76	73	72																												
9	86	79	74	71	85	78	74	71	78	74	71	77	73	71	76	73	70	69																												
10	84	76	72	69	83	76	71	68	75	71	68	74	71	68	74	70	68	67																												

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

	0°
0°	785962
5°	709645
10°	645796
15°	590338
20°	430847
25°	212190
30°	45975
35°	8740
40°	2333
45°	1031
50°	606
55°	487
60°	450
65°	402
70°	321
75°	212
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1192.8	20.7
10°-20°	2794.2	48.5
20°-30°	1611.9	28.0
30°-40°	140.2	2.4
40°-50°	11.7	0.2
50°-60°	4.7	0.1
60°-70°	2.8	0.0
70°-80°	1.1	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°	5598.8	97.2
0°-40°	5739.0	99.6
0°-60°	5755.3	99.9
0°-90°	5759.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5759.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	14337	
5°	12896	###
15°	10402	2794
25°	3508	1612
35°	131	140
45°	13	12
55°	5	5
65°	3	3
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	14337.1
2.5°	13618.0
5°	12895.7
7.5°	12220.5
10°	11601.3
12.5°	11067.8
15°	10401.7
17.5°	9272.5
20°	7385.3
22.5°	5346.2
25°	3508.0
27.5°	1817.8
30°	726.3
32.5°	381.5
35°	130.6
37.5°	54.1
40°	32.6
42.5°	20.4
45°	13.3
47.5°	8.2
50°	7.1
52.5°	6.1
55°	5.1
57.5°	4.1
60°	4.1
62.5°	3.1
65°	3.1
67.5°	2.0
70°	2.0
72.5°	1.0
75°	1.0
77.5°	1.0
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)