

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: P179588

Luminaire Tested: **LDA6A45827D010TE LARH40FL 6LAL1LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P179588  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26664)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA6A45827D010TE LARH40FL 6LAL1LI  
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 40° Flood  
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4135.5 lumens  
Efficiency: N/A  
Efficacy: 78.0 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.58  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

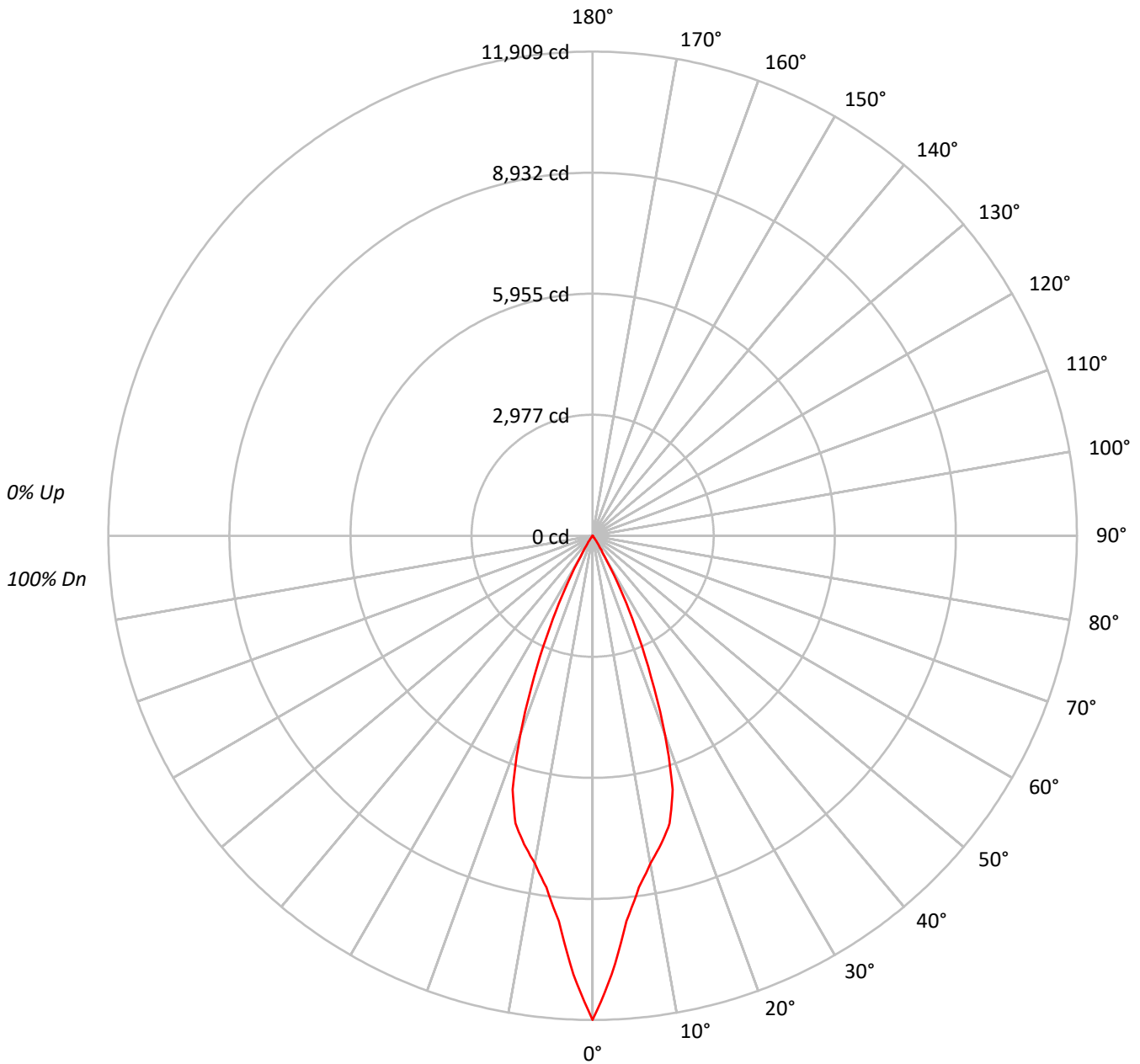
Input Watts (W): 53  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	80	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	84	76	71	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67			

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

	0°
0°	652837
5°	523496
10°	455391
15°	415610
20°	303756
25°	149265
30°	36601
35°	7984
40°	1760
45°	705
50°	392
55°	612
60°	603
65°	467
70°	433
75°	381
80°	284
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	874.5	21.1
10°-20°	1968.0	47.6
20°-30°	1160.8	28.1
30°-40°	112.0	2.7
40°-50°	8.6	0.2
50°-60°	5.2	0.1
60°-70°	3.7	0.1
70°-80°	2.1	0.1
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°	4003.4	96.8
0°-40°	4115.4	99.5
0°-60°	4129.3	99.8
0°-90°	4135.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4135.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11909	
5°	9513	875
15°	7323	1968
25°	2468	1161
35°	119	112
45°	9	9
55°	6	5
65°	4	4
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	11908.7
2.5°	10797.8
5°	9513.0
7.5°	8722.6
10°	8180.8
12.5°	7772.8
15°	7323.0
17.5°	6544.4
20°	5206.8
22.5°	3756.2
25°	2467.7
27.5°	1456.0
30°	578.2
32.5°	294.1
35°	119.3
37.5°	40.1
40°	24.6
42.5°	15.5
45°	9.1
47.5°	6.4
50°	4.6
52.5°	5.5
55°	6.4
57.5°	6.4
60°	5.5
62.5°	4.6
65°	3.6
67.5°	2.7
70°	2.7
72.5°	2.7
75°	1.8
77.5°	1.8
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)