

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: P179568

Luminaire Tested: **LDA6A45927D010TE LARH40FL 6LA1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179568
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26661)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A45927D010TE LARH40FL 6LA1LI
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3858.2 lumens
Efficiency: N/A
Efficacy: 72.8 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

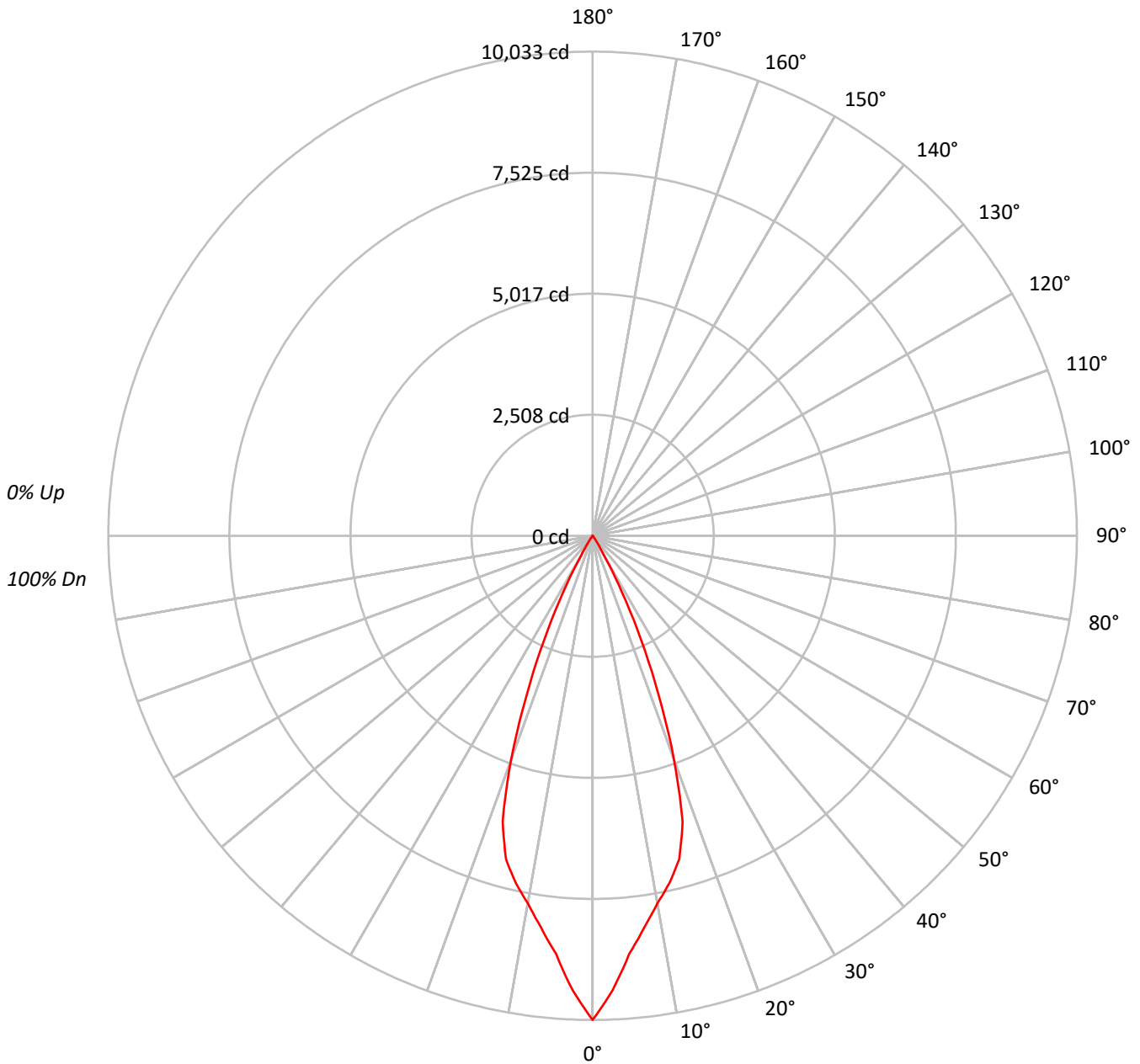
Input Watts (W): 53
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	86	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	86	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°	550033
5°	478763
10°	430481
15°	393583
20°	287556
25°	142659
30°	31524
35°	6123
40°	1102
45°	295
50°	128
55°	76
60°	88
65°	104
70°	128
75°	169
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	804.8	20.9
10°-20°	1863.4	48.3
20°-30°	1090.1	28.3
30°-40°	93.6	2.4
40°-50°	4.3	0.1
50°-60°	0.8	0.0
60°-70°	0.8	0.0
70°-80°	0.5	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°	3758.2	97.4
0°-40°	3851.8	99.8
0°-60°	3856.9	100.0
0°-90°	3858.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3858.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10033	
5°	8700	805
15°	6935	1863
25°	2358	1090
35°	92	94
45°	4	4
55°	1	1
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10033.4
2.5°	9434.0
5°	8700.1
7.5°	8188.3
10°	7733.3
12.5°	7362.9
15°	6934.9
17.5°	6197.1
20°	4929.1
22.5°	3565.8
25°	2358.5
27.5°	1305.7
30°	498.0
32.5°	255.1
35°	91.5
37.5°	29.2
40°	15.4
42.5°	8.5
45°	3.8
47.5°	2.3
50°	1.5
52.5°	0.8
55°	0.8
57.5°	0.8
60°	0.8
62.5°	0.8
65°	0.8
67.5°	0.8
70°	0.8
72.5°	0.8
75°	0.8
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)