

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: P179591

Luminaire Tested: **LDA6A45840D010TE LARH40FL 6LAL1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179591
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: LDA6A45840D010TE LARH40FL 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4721.8 lumens
Efficiency: N/A
Efficacy: 89.1 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

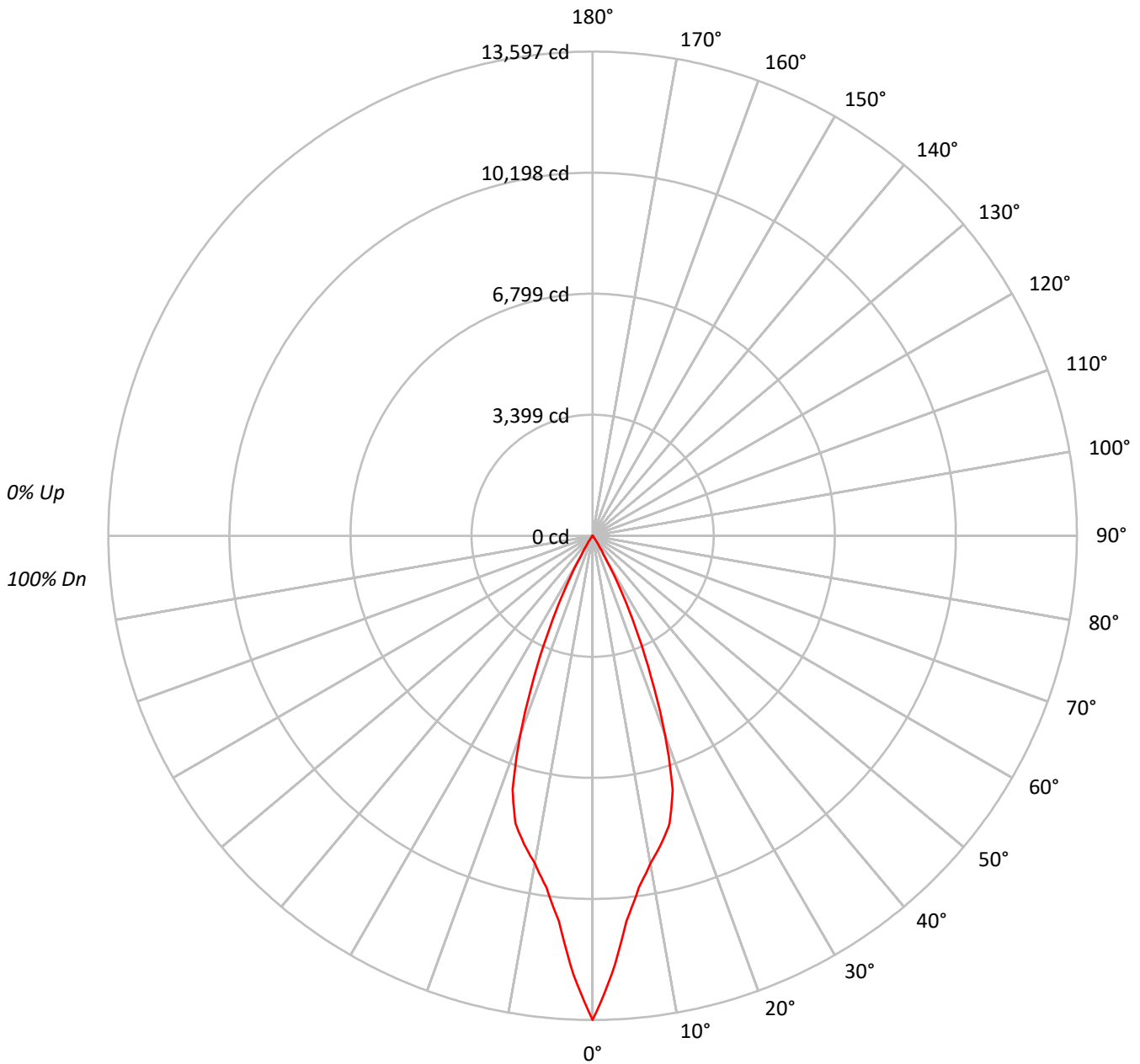
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P179591

CATALOG NUMBER: LDA6A45840D010TE LARH40FL 6LAL1LI

Luminous Intensity Polar Plot





TEST NUMBER: P179591

CATALOG NUMBER: LDA6A45840D010TE LARH40FL 6LAL1LI

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°	745412
5°	597726
10°	519964
15°	474543
20°	346828
25°	170429
30°	41791
35°	9115
40°	2011
45°	806
50°	443
55°	698
60°	680
65°	545
70°	497
75°	445
80°	316
85°	0



TEST NUMBER: P179591

CATALOG NUMBER: LDA6A45840D010TE LARH40FL 6LAL1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	998.6	21.1
10°-20°	2247.1	47.6
20°-30°	1325.4	28.1
30°-40°	127.8	2.7
40°-50°	9.8	0.2
50°-60°	6.0	0.1
60°-70°	4.2	0.1
70°-80°	2.5	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°	4571.1	96.8
0°-40°	4698.9	99.5
0°-60°	4714.7	99.8
0°-90°	4721.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4721.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13597	
5°	10862	999
15°	8361	2247
25°	2818	1325
35°	136	128
45°	10	10
55°	7	6
65°	4	4
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P179591

CATALOG NUMBER: LDA6A45840D010TE LARH40FL 6LAL1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	13597.4
2.5°	12329.0
5°	10861.9
7.5°	9959.5
10°	9340.8
12.5°	8875.0
15°	8361.4
17.5°	7472.5
20°	5945.1
22.5°	4288.8
25°	2817.6
27.5°	1662.5
30°	660.2
32.5°	335.8
35°	136.2
37.5°	45.7
40°	28.1
42.5°	17.7
45°	10.4
47.5°	7.3
50°	5.2
52.5°	6.2
55°	7.3
57.5°	7.3
60°	6.2
62.5°	5.2
65°	4.2
67.5°	3.1
70°	3.1
72.5°	3.1
75°	2.1
77.5°	2.1
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)