

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: P179769

Luminaire Tested: **LDA6A55930D010TE LARH40FL 6LAL1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179769
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26680)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A55930D010TE LARH40FL 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4124.6 lumens
Efficiency: N/A
Efficacy: 67.6 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.58
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

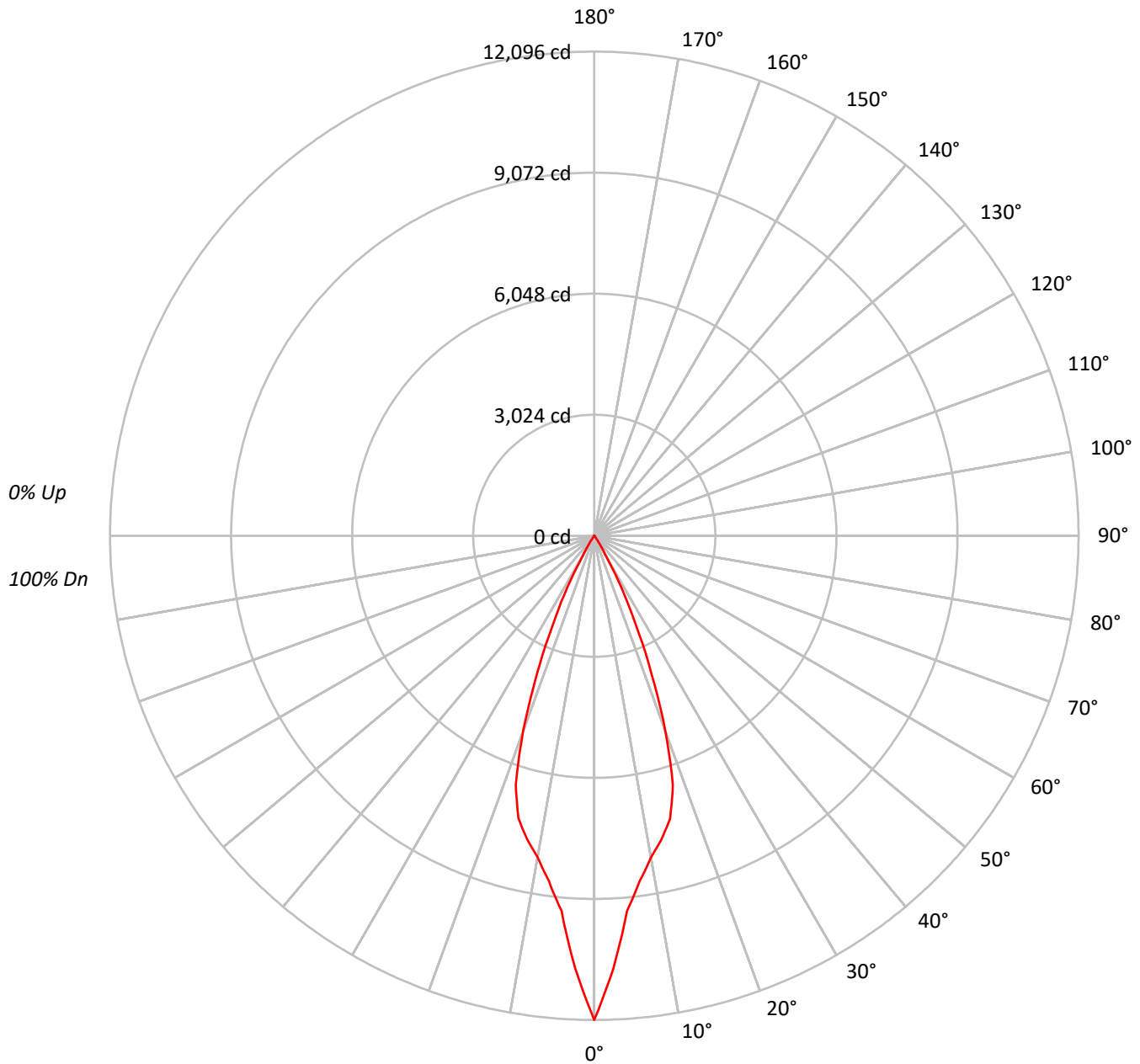
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	112	110	108	112	110	108	107	106	105	103		103	101	100		99
2	110	107	103	101	108	105	102	99	102	99	97		99	97	95		96
3	106	101	97	94	105	100	96	94	98	95	92		95	93	91		93
4	103	97	92	89	101	96	92	89	94	90	88		92	89	87		90
5	99	93	88	85	98	92	87	84	90	86	84		88	85	83		87
6	96	89	84	81	94	88	84	80	87	83	80		85	82	79		84
7	92	85	80	77	91	85	80	77	83	79	77		82	79	76		81
8	89	82	77	74	88	81	77	74	80	76	74		79	76	73		79
9	86	79	74	71	85	78	74	71	78	74	71		77	73	71		76
10	83	76	71	68	83	76	71	68	75	71	68		74	71	68		74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	663077
5°	517707
10°	454011
15°	414934
20°	303080
25°	147892
30°	36094
35°	8252
40°	1775
45°	806
50°	409
55°	612
60°	614
65°	519
70°	385
75°	339
80°	253
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	871.6	21.1
10°-20°	1963.3	47.6
20°-30°	1156.6	28.0
30°-40°	112.8	2.7
40°-50°	9.0	0.2
50°-60°	5.1	0.1
60°-70°	4.0	0.1
70°-80°	1.9	0.0
80°-90°	0.3	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°	3991.5	96.8
0°-40°	4104.3	99.5
0°-60°	4118.4	99.9
0°-90°	4124.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4124.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12096	
5°	9408	872
15°	7311	1963
25°	2445	1157
35°	123	113
45°	10	9
55°	6	5
65°	4	4
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12095.5
2.5°	10826.1
5°	9407.8
7.5°	8699.8
10°	8156.0
12.5°	7760.4
15°	7311.1
17.5°	6520.6
20°	5195.2
22.5°	3747.2
25°	2445.0
27.5°	1459.2
30°	570.2
32.5°	298.7
35°	123.3
37.5°	40.8
40°	24.8
42.5°	16.0
45°	10.4
47.5°	6.4
50°	4.8
52.5°	5.6
55°	6.4
57.5°	5.6
60°	5.6
62.5°	4.8
65°	4.0
67.5°	3.2
70°	2.4
72.5°	2.4
75°	1.6
77.5°	1.6
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)