

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: P179704

Luminaire Tested: **LDA6A55927D010TE LARH30NF 6LA1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179704
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26623)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A55927D010TE LARH30NF 6LA1LI
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, Self-flanged, 30°
Narrow Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4126.9 lumens
Efficiency: N/A
Efficacy: 67.7 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.57 / 0.55
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

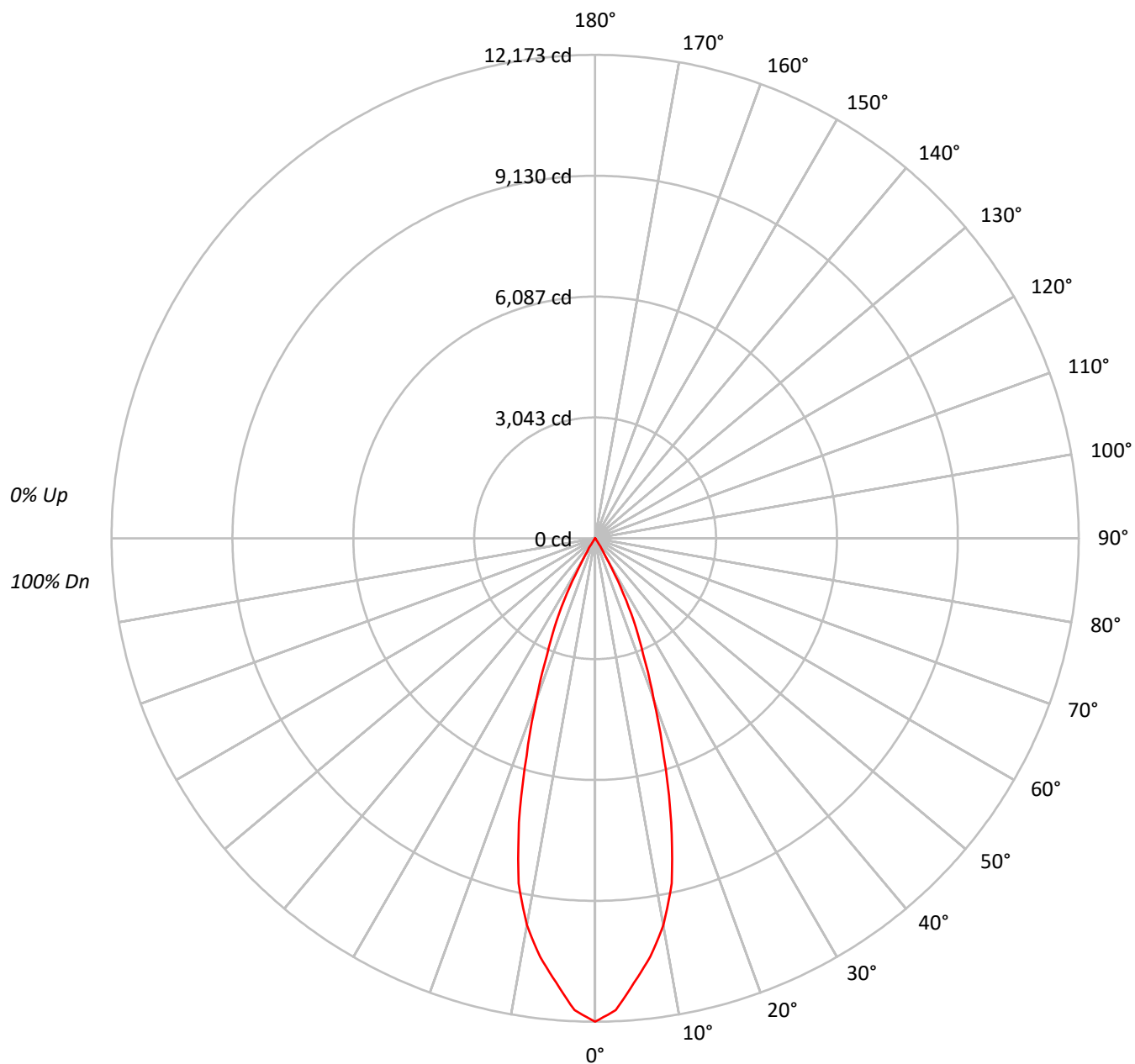
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	111	109	112	110	109	107		106	105	104			103	102	101			99
2	111	107	104	101	109	105	103	100		102	100	98			99	98	96			97
3	107	102	98	95	105	101	97	95		98	95	93			96	94	92			94
4	103	98	94	90	102	97	93	90		95	91	89			93	90	88			91
5	100	94	89	86	99	93	89	86		91	88	85			90	87	84			88
6	97	90	86	82	95	89	85	82		88	84	82			87	84	81			86
7	94	87	82	79	93	86	82	79		85	81	79			84	81	78			83
8	91	84	79	76	90	83	79	76		82	78	76			81	78	75			80
9	88	81	76	73	87	80	76	73		80	76	73			79	75	73			78
10	85	78	74	71	84	78	74	71		77	73	71			76	73	70			76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	667320
5°	618103
10°	550641
15°	420184
20°	251911
25°	138831
30°	34347
35°	2657
40°	751
45°	287
50°	128
55°	143
60°	164
65°	91
70°	112
75°	148
80°	221
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1033.4	25.0
10°-20°	1981.0	48.0
20°-30°	1023.1	24.8
30°-40°	82.9	2.0
40°-50°	3.4	0.1
50°-60°	1.3	0.0
60°-70°	1.0	0.0
70°-80°	0.7	0.0
80°-90°	0.1	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°	4037.5	97.8
0°-40°	4120.4	99.8
0°-60°	4125.1	100.0
0°-90°	4126.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4126.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12173	
5°	11232	###
15°	7404	1981
25°	2295	1023
35°	40	83
45°	4	3
55°	2	1
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12172.9
2.5°	11895.2
5°	11232.2
7.5°	10628.3
10°	9891.9
12.5°	8901.8
15°	7403.6
17.5°	5740.0
20°	4318.1
22.5°	3165.6
25°	2295.2
27.5°	1382.2
30°	542.6
32.5°	230.5
35°	39.7
37.5°	19.5
40°	10.5
42.5°	6.0
45°	3.7
47.5°	2.2
50°	1.5
52.5°	1.5
55°	1.5
57.5°	1.5
60°	1.5
62.5°	1.5
65°	0.7
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.7
80°	0.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)