

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: P179768

Luminaire Tested: **LDA6A55927D010TE LARH40FL 6LAL1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179768
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: LDA6A55927D010TE LARH40FL 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, 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: 3853.8 lumens
Efficiency: N/A
Efficacy: 63.2 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

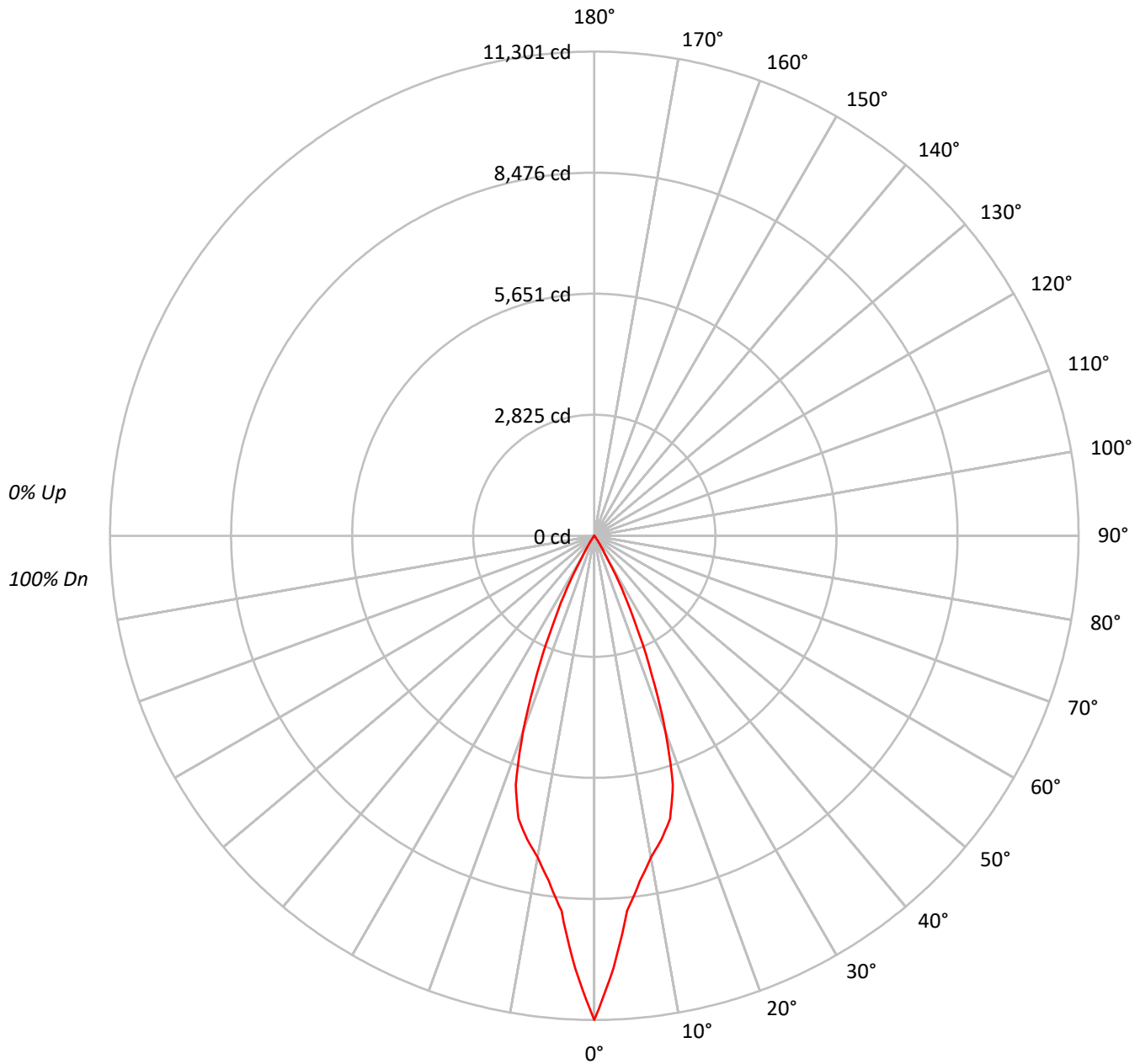
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	619539
5°	483715
10°	424202
15°	387692
20°	283180
25°	138183
30°	33727
35°	7710
40°	1660
45°	752
50°	384
55°	573
60°	570
65°	480
70°	353
75°	318
80°	221
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	814.4	21.1
10°-20°	1834.4	47.6
20°-30°	1080.6	28.0
30°-40°	105.5	2.7
40°-50°	8.4	0.2
50°-60°	4.8	0.1
60°-70°	3.7	0.1
70°-80°	1.8	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°	3729.4	96.8
0°-40°	3834.9	99.5
0°-60°	3848.1	99.9
0°-90°	3853.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3853.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11301	
5°	8790	814
15°	6831	1834
25°	2284	1081
35°	115	105
45°	10	8
55°	6	5
65°	4	4
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11301.3
2.5°	10115.3
5°	8790.1
7.5°	8128.6
10°	7620.5
12.5°	7250.9
15°	6831.1
17.5°	6092.5
20°	4854.1
22.5°	3501.2
25°	2284.5
27.5°	1363.4
30°	532.8
32.5°	279.1
35°	115.2
37.5°	38.2
40°	23.2
42.5°	15.0
45°	9.7
47.5°	6.0
50°	4.5
52.5°	5.2
55°	6.0
57.5°	5.2
60°	5.2
62.5°	4.5
65°	3.7
67.5°	3.0
70°	2.2
72.5°	2.2
75°	1.5
77.5°	1.5
80°	0.7
82.5°	0.7
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)