

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: P179796

Luminaire Tested: **LDA6A55827D010TE LARH30NF 6LFC1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179796
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26682)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A55827D010TE LARH30NF 6LFC1H
Description: PORTFOLIO 6" Flat Cone, Self-flanged, 30° Narrow Flood
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5072.3 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.55
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

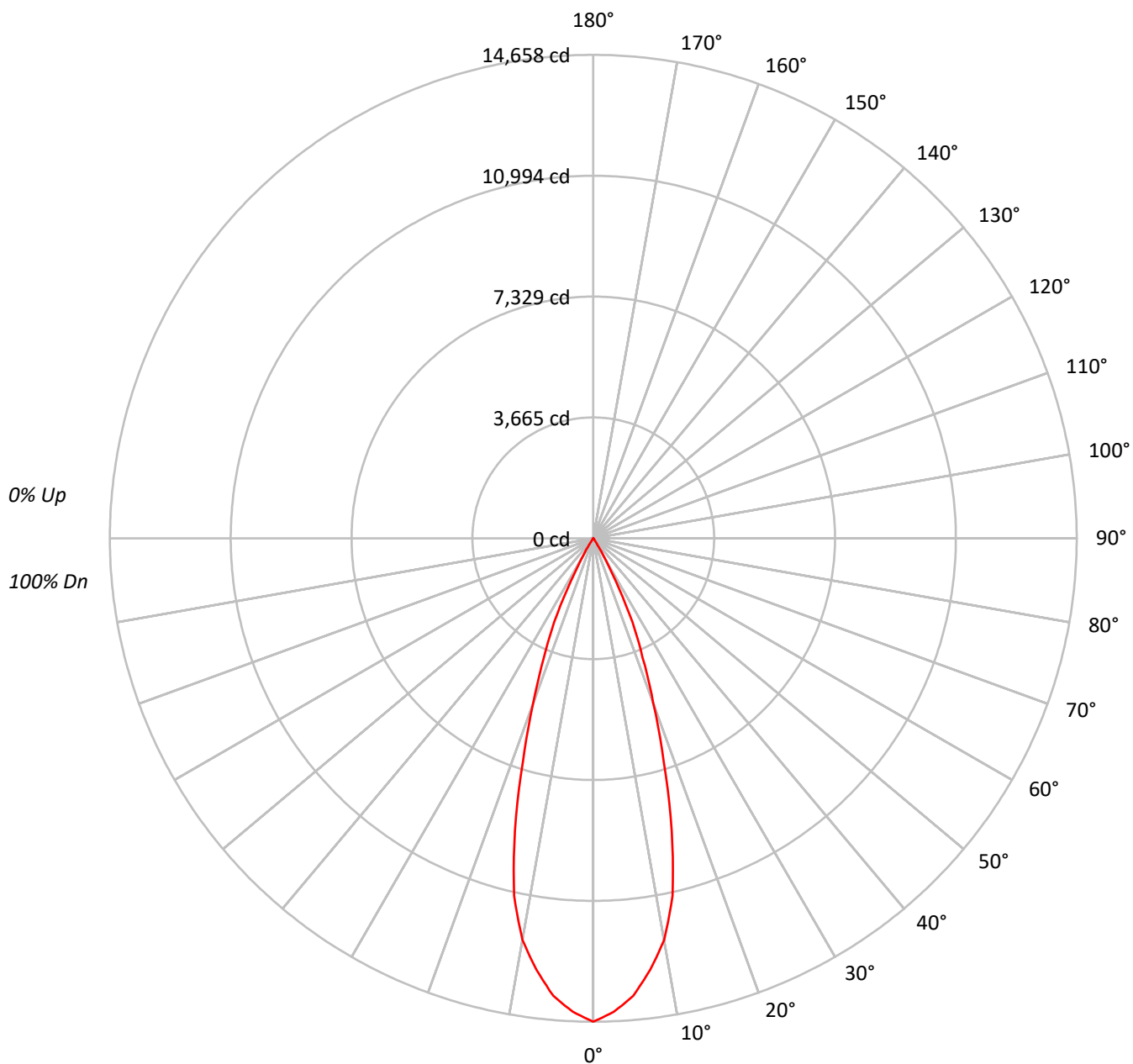
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	83	96	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	79	76			81	78	76			81
9	88	81	77	74	87	80	76	73		80	76	73			79	75	73			78
10	85	78	74	71	85	78	74	71		77	73	71			76	73	71			76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	803549
5°	766430
10°	688386
15°	521376
20°	310127
25°	169455
30°	38544
35°	3654
40°	1481
45°	729
50°	478
55°	449
60°	307
65°	363
70°	305
75°	191
80°	284
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1278.1	25.2
10°-20°	2460.1	48.5
20°-30°	1223.5	24.1
30°-40°	94.6	1.9
40°-50°	8.4	0.2
50°-60°	3.9	0.1
60°-70°	2.4	0.0
70°-80°	1.1	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°	4961.8	97.8
0°-40°	5056.4	99.7
0°-60°	5068.7	99.9
0°-90°	5072.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5072.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14658	
5°	13928	###
15°	9187	2460
25°	2802	1224
35°	55	95
45°	9	8
55°	5	4
65°	3	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	14657.9
2.5°	14368.1
5°	13927.6
7.5°	13194.6
10°	12366.4
12.5°	11107.3
15°	9186.6
17.5°	7094.6
20°	5316.0
22.5°	3899.7
25°	2801.5
27.5°	1468.0
30°	608.9
32.5°	241.9
35°	54.6
37.5°	32.0
40°	20.7
42.5°	14.1
45°	9.4
47.5°	7.5
50°	5.6
52.5°	4.7
55°	4.7
57.5°	3.8
60°	2.8
62.5°	2.8
65°	2.8
67.5°	1.9
70°	1.9
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)