

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: P179798

Luminaire Tested: **LDA6A55835D010TE LARH30NF 6LFC1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179798
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: LDA6A55835D010TE LARH30NF 6LFC1H
Description: PORTFOLIO 6" Flat Cone, Self-flanged, 30° Narrow Flood
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5390.0 lumens
Efficiency: N/A
Efficacy: 88.4 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

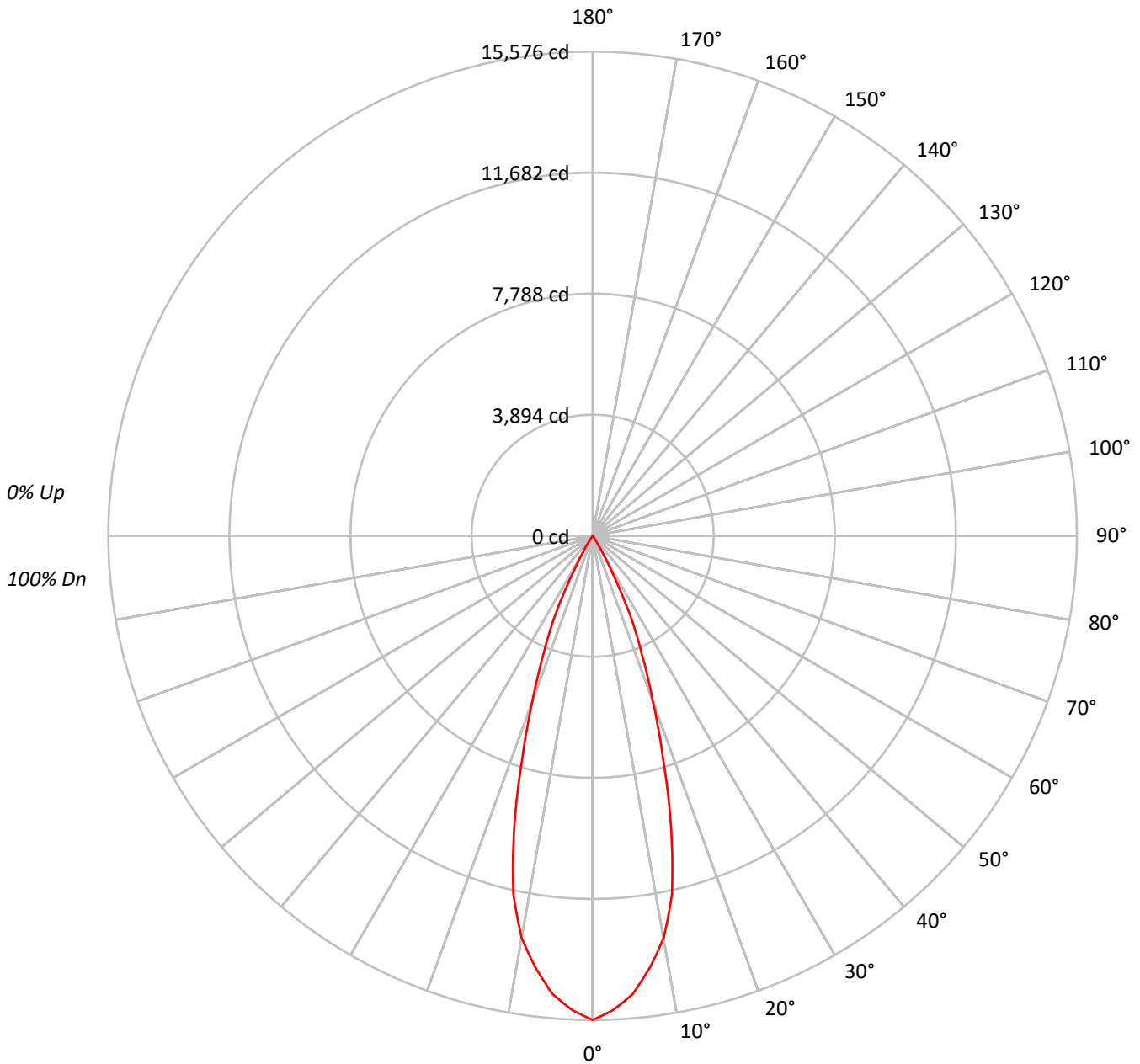
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			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	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96			
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	92			
3	107	102	98	95	105	101	97	95	98	95	93	96	94	92	94	92	90	89			
4	103	98	94	90	102	97	93	90	95	91	89	93	90	88	91	89	87	86			
5	100	94	89	86	99	93	89	86	91	88	85	90	87	84	88	86	84	83			
6	97	90	86	83	96	89	85	82	88	84	82	87	84	81	86	83	81	80			
7	94	87	82	79	93	86	82	79	85	81	79	84	81	78	83	80	78	77			
8	91	84	79	76	90	83	79	76	82	79	76	81	78	76	81	78	75	74			
9	88	81	77	74	87	80	76	73	80	76	73	79	75	73	78	75	73	72			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	70			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	853868
5°	814427
10°	731494
15°	554027
20°	329548
25°	180071
30°	40956
35°	3882
40°	1574
45°	775
50°	512
55°	478
60°	329
65°	389
70°	321
75°	212
80°	316
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1358.2	25.2
10°-20°	2614.2	48.5
20°-30°	1300.1	24.1
30°-40°	100.5	1.9
40°-50°	8.9	0.2
50°-60°	4.1	0.1
60°-70°	2.6	0.0
70°-80°	1.2	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°	5272.5	97.8
0°-40°	5373.0	99.7
0°-60°	5386.1	99.9
0°-90°	5390.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5390.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15576	
5°	14800	###
15°	9762	2614
25°	2977	1300
35°	58	101
45°	10	9
55°	5	4
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	15575.8
2.5°	15267.8
5°	14799.8
7.5°	14020.8
10°	13140.8
12.5°	11802.8
15°	9761.9
17.5°	7538.9
20°	5648.9
22.5°	4143.9
25°	2977.0
27.5°	1560.0
30°	647.0
32.5°	257.0
35°	58.0
37.5°	34.0
40°	22.0
42.5°	15.0
45°	10.0
47.5°	8.0
50°	6.0
52.5°	5.0
55°	5.0
57.5°	4.0
60°	3.0
62.5°	3.0
65°	3.0
67.5°	2.0
70°	2.0
72.5°	1.0
75°	1.0
77.5°	1.0
80°	1.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)