

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: P179756

Luminaire Tested: **LDA6A65827D010TE LARH30NF 6LAL1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179756
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26679)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A65827D010TE LARH30NF 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, 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: 5543.3 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.51
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

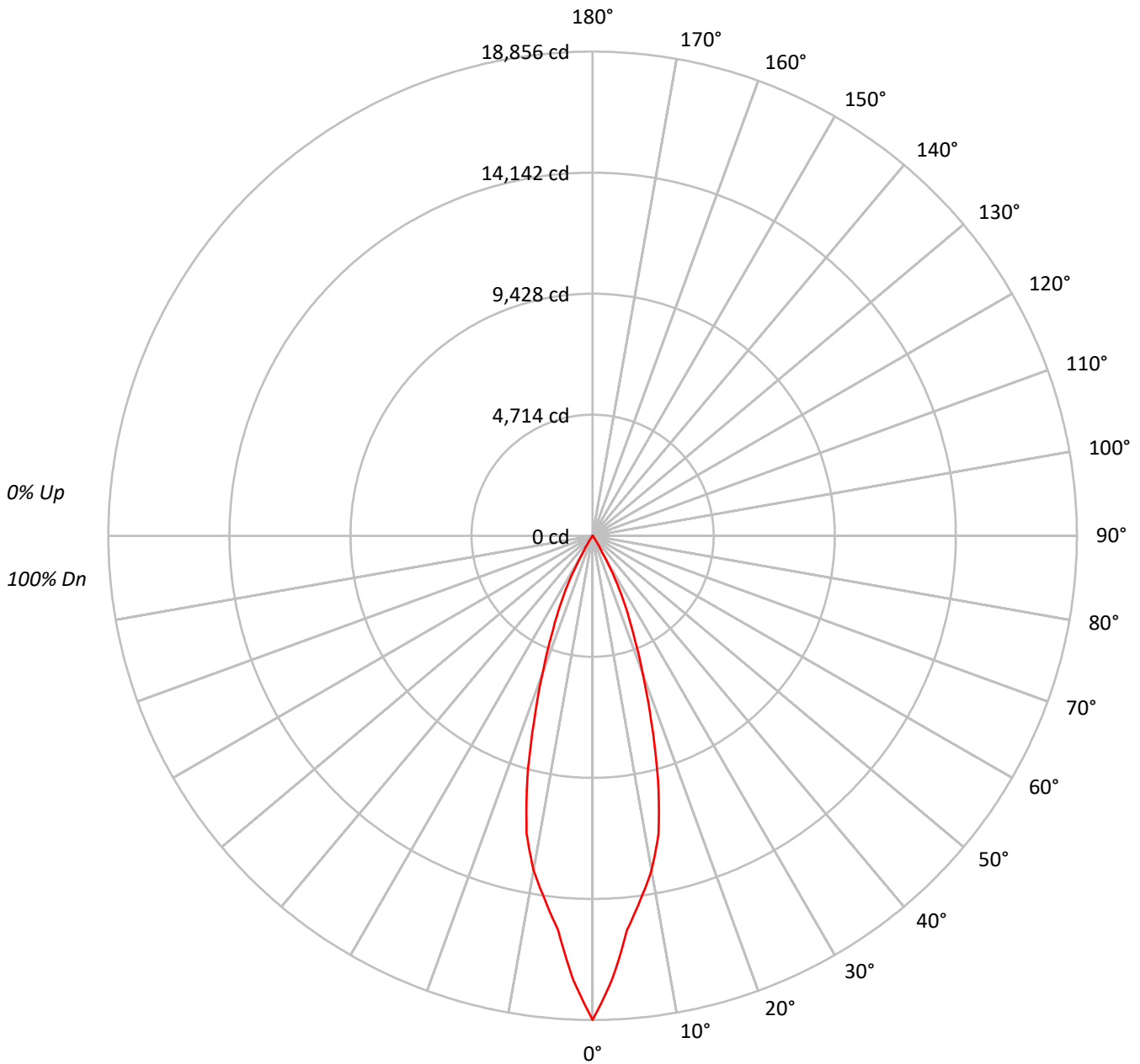
Input Watts (W): 78
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	102	100	102	100	98	99	97	96	97	95	94	92																																				
3	107	102	98	95	105	101	97	94	98	95	93	96	94	92	94	92	90	89																																				
4	103	98	93	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	82																																				
6	97	90	86	82	95	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	78	76	81	78	75	80	77	75	74																																				
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																																				
10	85	78	74	71	84	78	74	71	77	73	71	76	73	71	76	73	70	69																																				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1033678
5°	848110
10°	736214
15°	557631
20°	331409
25°	180537
30°	46627
35°	4357
40°	1846
45°	961
50°	478
55°	755
60°	735
65°	584
70°	545
75°	466
80°	347
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1418.2	25.6
10°-20°	2631.5	47.5
20°-30°	1350.4	24.4
30°-40°	118.6	2.1
40°-50°	10.5	0.2
50°-60°	6.4	0.1
60°-70°	4.6	0.1
70°-80°	2.6	0.0
80°-90°	0.4	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°	5400.0	97.4
0°-40°	5518.7	99.6
0°-60°	5535.6	99.9
0°-90°	5543.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5543.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18856	
5°	15412	###
15°	9825	2631
25°	2985	1350
35°	65	119
45°	12	10
55°	8	6
65°	4	5
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	18855.8
2.5°	17305.1
5°	15411.9
7.5°	14285.6
10°	13225.6
12.5°	11874.7
15°	9825.4
17.5°	7597.6
20°	5680.8
22.5°	4149.1
25°	2984.7
27.5°	1886.5
30°	736.6
32.5°	323.4
35°	65.1
37.5°	37.1
40°	25.8
42.5°	18.0
45°	12.4
47.5°	9.0
50°	5.6
52.5°	6.7
55°	7.9
57.5°	7.9
60°	6.7
62.5°	5.6
65°	4.5
67.5°	3.4
70°	3.4
72.5°	3.4
75°	2.2
77.5°	2.2
80°	1.1
82.5°	1.1
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)