

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: P179804

Luminaire Tested: **LDA6A65827D010TE LARH30NF 6LFC1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179804
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: LDA6A65827D010TE 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: 6051.8 lumens
Efficiency: N/A
Efficacy: 77.6 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

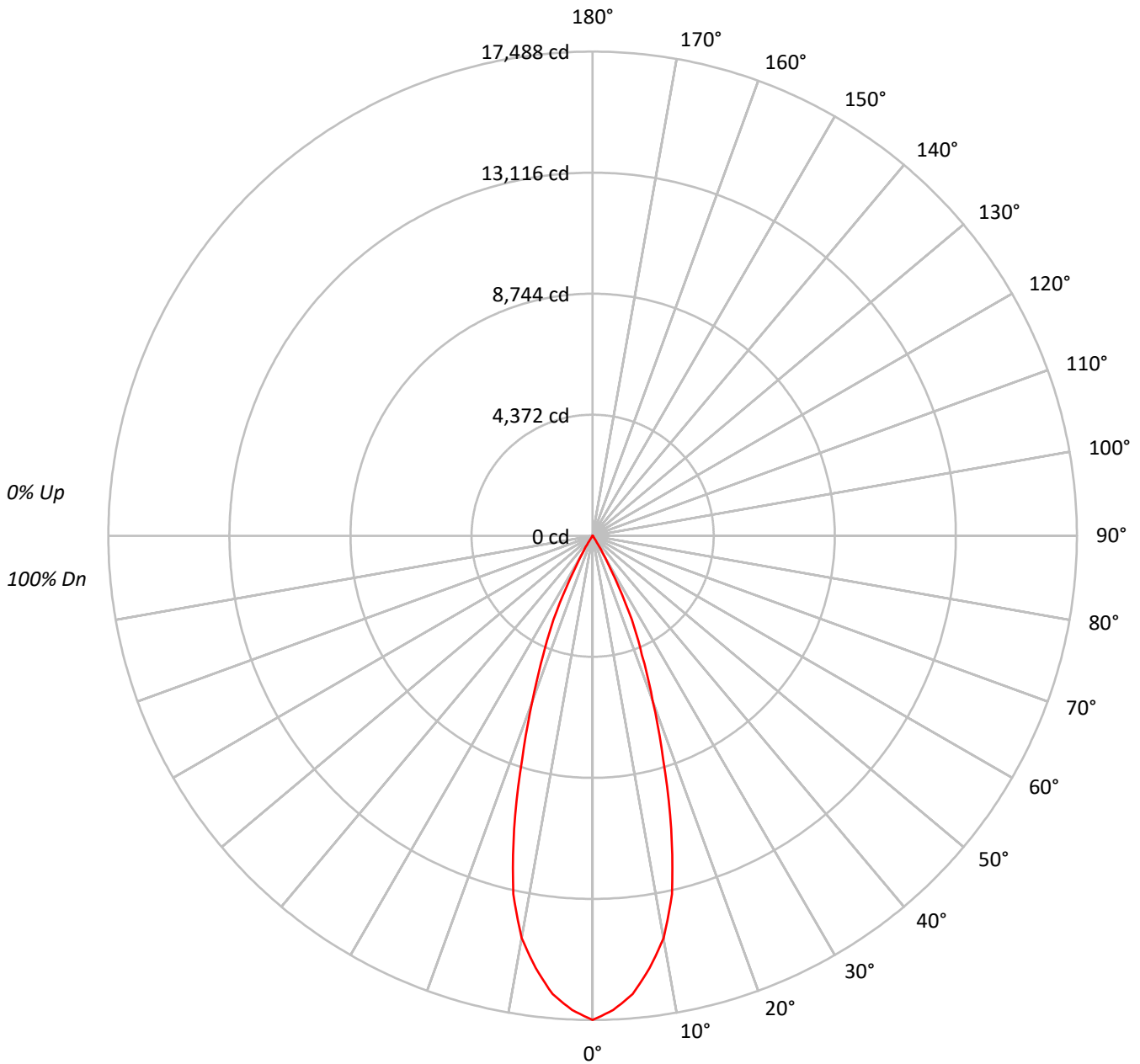
Input Watts (W): 78
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	958723
5°	914437
10°	821322
15°	622058
20°	370017
25°	202179
30°	45982
35°	4357
40°	1768
45°	868
50°	571
55°	535
60°	373
65°	441
70°	353
75°	233
80°	347
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1525.0	25.2
10°-20°	2935.2	48.5
20°-30°	1459.8	24.1
30°-40°	112.9	1.9
40°-50°	10.0	0.2
50°-60°	4.6	0.1
60°-70°	2.9	0.0
70°-80°	1.3	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°	5919.9	97.8
0°-40°	6032.8	99.7
0°-60°	6047.5	99.9
0°-90°	6051.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6051.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17488	
5°	16617	###
15°	10961	2935
25°	3342	1460
35°	65	113
45°	11	10
55°	6	5
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	17488.5
2.5°	17142.7
5°	16617.2
7.5°	15742.6
10°	14754.5
12.5°	13252.2
15°	10960.6
17.5°	8464.7
20°	6342.6
22.5°	4652.8
25°	3342.5
27.5°	1751.5
30°	726.4
32.5°	288.6
35°	65.1
37.5°	38.2
40°	24.7
42.5°	16.8
45°	11.2
47.5°	9.0
50°	6.7
52.5°	5.6
55°	5.6
57.5°	4.5
60°	3.4
62.5°	3.4
65°	3.4
67.5°	2.2
70°	2.2
72.5°	1.1
75°	1.1
77.5°	1.1
80°	1.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)