

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: P179821

Luminaire Tested: **LDA6A65830D010TE LARH40FL 6LFC1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179821
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26683)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A65830D010TE LARH40FL 6LFC1H
Description: PORTFOLIO 6" Flat Cone, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6491.9 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.61
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

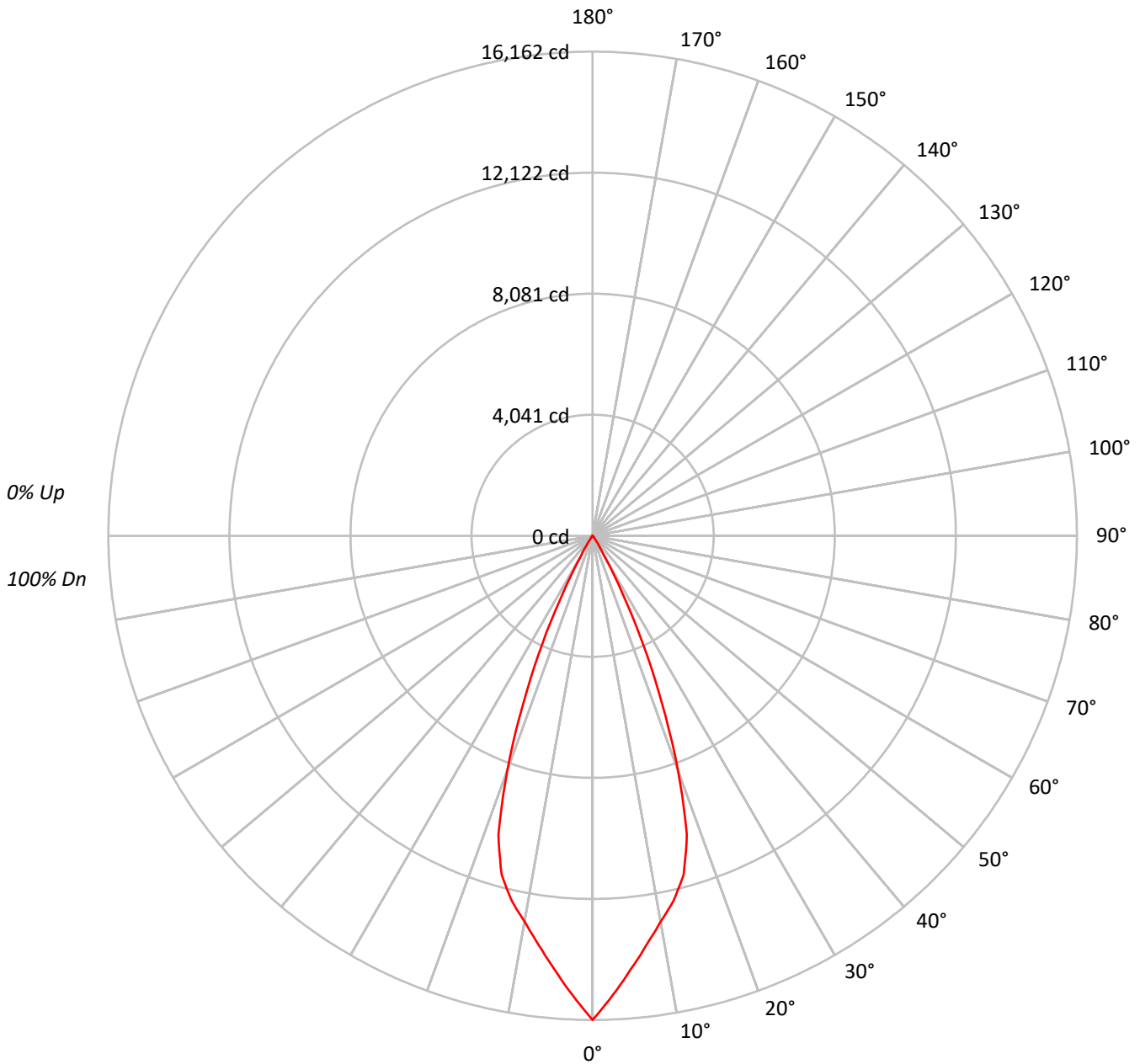
Input Watts (W): 78
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	115	112	110	108	112	110	108	107	106	105	104	103	101	100	99	98	98	96			96
2	110	107	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92			92
3	106	101	98	94	105	100	97	94	98	95	92	95	93	91	93	91	89	88			88
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84			84
5	99	93	88	85	98	92	88	84	90	86	84	89	85	83	87	84	82	81			81
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78			78
7	92	85	81	77	91	85	80	77	83	80	77	82	79	76	81	78	76	75			75
8	89	82	77	74	88	81	77	74	80	77	74	80	76	73	79	76	73	72			72
9	86	79	74	71	85	78	74	71	78	74	71	77	73	71	76	73	70	69			69
10	84	76	72	69	83	76	71	68	75	71	68	74	71	68	74	70	68	67			67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	885982
5°	799954
10°	727976
15°	665458
20°	485673
25°	239191
30°	51824
35°	9851
40°	2634
45°	1155
50°	682
55°	545
60°	504
65°	441
70°	369
75°	233
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1344.6	20.7
10°-20°	3149.7	48.5
20°-30°	1817.0	28.0
30°-40°	158.0	2.4
40°-50°	13.2	0.2
50°-60°	5.2	0.1
60°-70°	3.1	0.0
70°-80°	1.2	0.0
80°-90°	0.0	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°	6311.2	97.2
0°-40°	6469.2	99.7
0°-60°	6487.6	99.9
0°-90°	6491.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6491.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16162	
5°	14537	###
15°	11725	3150
25°	3954	1817
35°	147	158
45°	15	13
55°	6	5
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	16161.6
2.5°	15350.9
5°	14536.8
7.5°	13775.6
10°	13077.6
12.5°	12476.2
15°	11725.3
17.5°	10452.4
20°	8325.1
22.5°	6026.5
25°	3954.4
27.5°	2049.1
30°	818.7
32.5°	430.1
35°	147.2
37.5°	60.9
40°	36.8
42.5°	23.0
45°	14.9
47.5°	9.2
50°	8.0
52.5°	6.9
55°	5.7
57.5°	4.6
60°	4.6
62.5°	3.4
65°	3.4
67.5°	2.3
70°	2.3
72.5°	1.1
75°	1.1
77.5°	1.1
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)