

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: P179827

Luminaire Tested: **LDA6A65940D010TE LARH40FL 6LFC1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179827
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: LDA6A65940D010TE LARH40FL 6LFC1H
Description: PORTFOLIO 6" Flat Cone, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5889.8 lumens
Efficiency: N/A
Efficacy: 75.5 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

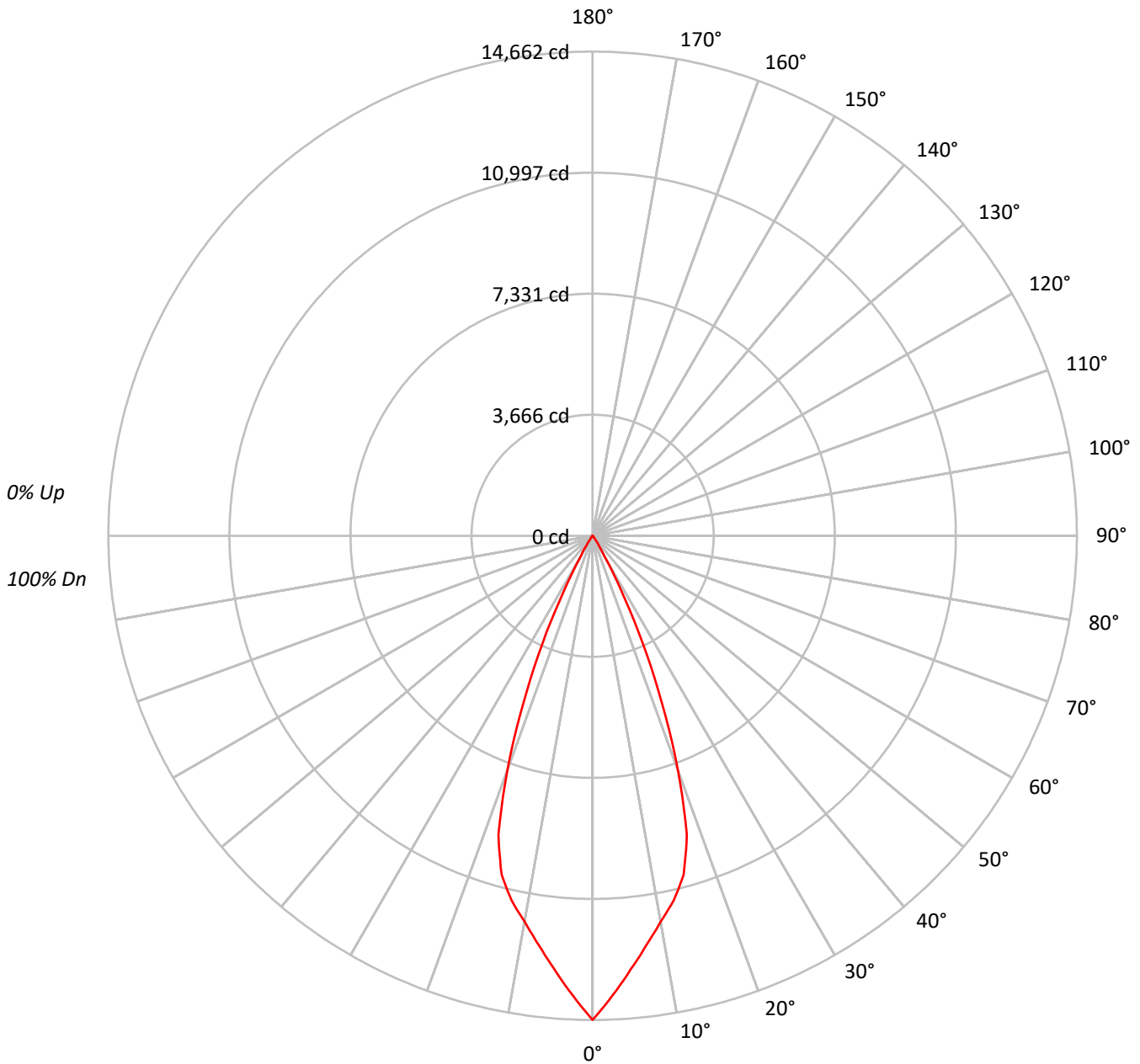
Input Watts (W): 78
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	97	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°	803801
5°	725752
10°	660448
15°	603732
20°	440624
25°	217004
30°	47020
35°	8934
40°	2390
45°	1054
50°	623
55°	497
60°	460
65°	402
70°	337
75°	212
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1219.8	20.7
10°-20°	2857.6	48.5
20°-30°	1648.4	28.0
30°-40°	143.4	2.4
40°-50°	12.0	0.2
50°-60°	4.8	0.1
60°-70°	2.8	0.0
70°-80°	1.1	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°	5725.8	97.2
0°-40°	5869.2	99.6
0°-60°	5885.9	99.9
0°-90°	5889.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5889.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14662	
5°	13188	###
15°	10638	2858
25°	3588	1648
35°	134	143
45°	14	12
55°	5	5
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14662.5
2.5°	13927.0
5°	13188.4
7.5°	12497.8
10°	11864.5
12.5°	11318.9
15°	10637.7
17.5°	9482.9
20°	7552.9
22.5°	5467.5
25°	3587.6
27.5°	1859.0
30°	742.8
32.5°	390.2
35°	133.5
37.5°	55.3
40°	33.4
42.5°	20.9
45°	13.6
47.5°	8.3
50°	7.3
52.5°	6.3
55°	5.2
57.5°	4.2
60°	4.2
62.5°	3.1
65°	3.1
67.5°	2.1
70°	2.1
72.5°	1.0
75°	1.0
77.5°	1.0
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)