

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: P179815

Luminaire Tested: **LDA6A55840D010TE LARH40FL 6LFC1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179815
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: LDA6A55840D010TE LARH40FL 6LFC1H
Description: PORTFOLIO 6" Flat Cone, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5794.4 lumens
Efficiency: N/A
Efficacy: 95.0 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

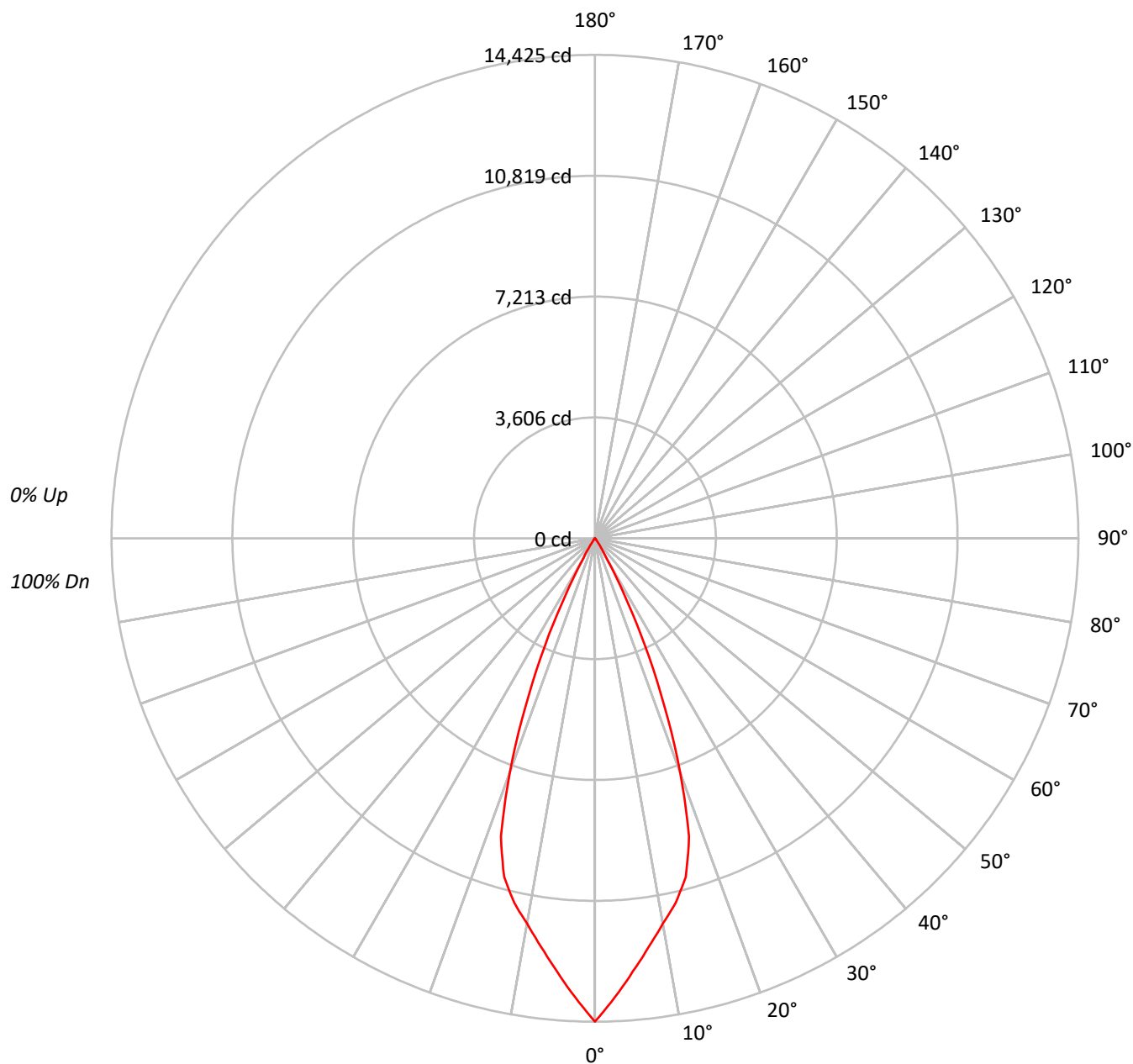
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10		70	50	30	10		50	30	10			50	30	10			50
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			102
1	115	112	110	108		112	110	108	107		106	105	104			103	101	100			99
2	110	107	103	101		108	105	102	99		102	99	97			99	97	95			96
3	106	101	97	94		105	100	97	94		98	95	92			95	93	91			93
4	103	97	92	89		101	96	92	89		94	90	88			92	89	87			90
5	99	93	88	85		98	92	88	84		90	86	84			89	85	83			87
6	96	89	84	81		94	88	84	81		87	83	80			85	82	80			84
7	92	85	81	77		91	85	80	77		83	80	77			82	79	76			81
8	89	82	77	74		88	81	77	74		80	77	74			80	76	73			79
9	86	79	74	71		85	78	74	71		78	74	71			77	73	71			76
10	84	76	72	69		83	76	71	68		75	71	68			74	71	68			74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	790781
5°	713998
10°	649754
15°	593953
20°	433489
25°	213490
30°	46254
35°	8794
40°	2347
45°	1031
50°	614
55°	487
60°	450
65°	402
70°	337
75°	212
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1200.1	20.7
10°-20°	2811.3	48.5
20°-30°	1621.7	28.0
30°-40°	141.0	2.4
40°-50°	11.7	0.2
50°-60°	4.7	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°	5633.1	97.2
0°-40°	5774.1	99.6
0°-60°	5790.5	99.9
0°-90°	5794.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5794.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14425	
5°	12975	###
15°	10465	2811
25°	3530	1622
35°	131	141
45°	13	12
55°	5	5
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14425.0
2.5°	13701.4
5°	12974.8
7.5°	12295.4
10°	11672.4
12.5°	11135.6
15°	10465.4
17.5°	9329.3
20°	7430.6
22.5°	5379.0
25°	3529.5
27.5°	1828.9
30°	730.7
32.5°	383.8
35°	131.4
37.5°	54.4
40°	32.8
42.5°	20.5
45°	13.3
47.5°	8.2
50°	7.2
52.5°	6.2
55°	5.1
57.5°	4.1
60°	4.1
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)