

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: P179767

Luminaire Tested: **LDA6A55840D010TE LARH40FL 6LAL1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179767
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26680)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A55840D010TE LARH40FL 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, 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: 5285.4 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.58
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

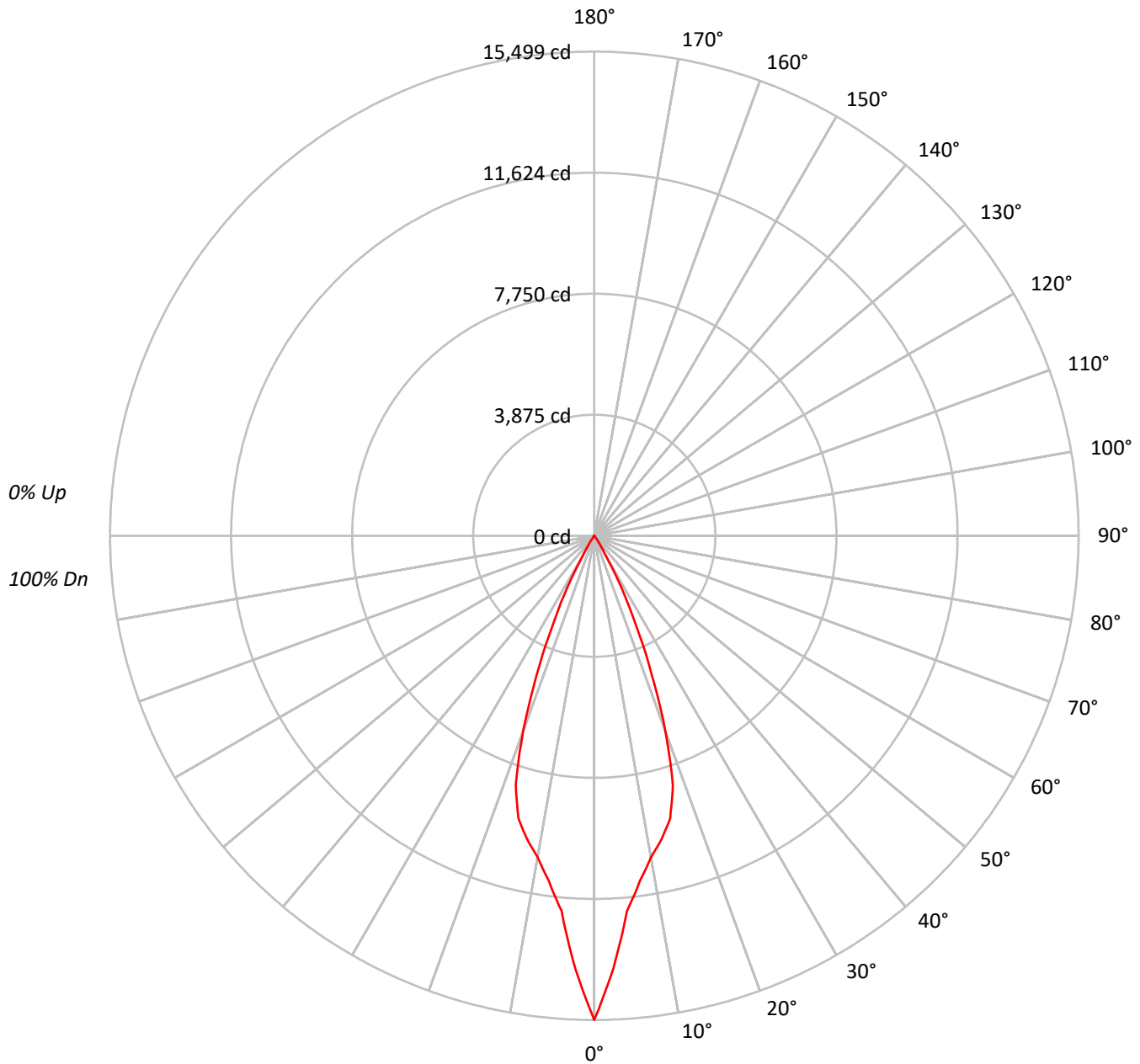
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103			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	96	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	87	84		90	86	84			88	85	83			87
6	96	89	84	81	94	88	84	80		87	83	80			85	82	79			84
7	92	85	80	77	91	85	80	77		83	79	77			82	79	76			81
8	89	82	77	74	88	81	77	74		80	76	74			79	76	73			79
9	86	79	74	71	85	78	74	71		78	74	71			77	73	71			76
10	83	76	71	68	83	76	71	68		75	71	68			74	71	68			74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	849674
5°	663393
10°	581775
15°	531700
20°	388370
25°	189513
30°	46254
35°	10574
40°	2276
45°	1031
50°	529
55°	784
60°	789
65°	662
70°	497
75°	445
80°	316
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1116.9	21.1
10°-20°	2515.8	47.6
20°-30°	1482.0	28.0
30°-40°	144.6	2.7
40°-50°	11.5	0.2
50°-60°	6.6	0.1
60°-70°	5.1	0.1
70°-80°	2.5	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°	5114.7	96.8
0°-40°	5259.3	99.5
0°-60°	5277.5	99.8
0°-90°	5285.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5285.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15499	
5°	12055	###
15°	9368	2516
25°	3133	1482
35°	158	145
45°	13	12
55°	8	7
65°	5	5
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	15499.3
2.5°	13872.7
5°	12055.2
7.5°	11148.0
10°	10451.2
12.5°	9944.3
15°	9368.5
17.5°	8355.6
20°	6657.2
22.5°	4801.8
25°	3133.1
27.5°	1869.8
30°	730.7
32.5°	382.8
35°	158.0
37.5°	52.3
40°	31.8
42.5°	20.5
45°	13.3
47.5°	8.2
50°	6.2
52.5°	7.2
55°	8.2
57.5°	7.2
60°	7.2
62.5°	6.2
65°	5.1
67.5°	4.1
70°	3.1
72.5°	3.1
75°	2.1
77.5°	2.1
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)