

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: P1192181

Luminaire Tested: **LDA6A40927D010TE LARH40FL 6LA1LI**

Issue Date: 3/3/2020

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

**Test Information**

Test Method: LM-41-14
Report Number: P1192181
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26661)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A40927D010TE LARH40FL 6LA1LI
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

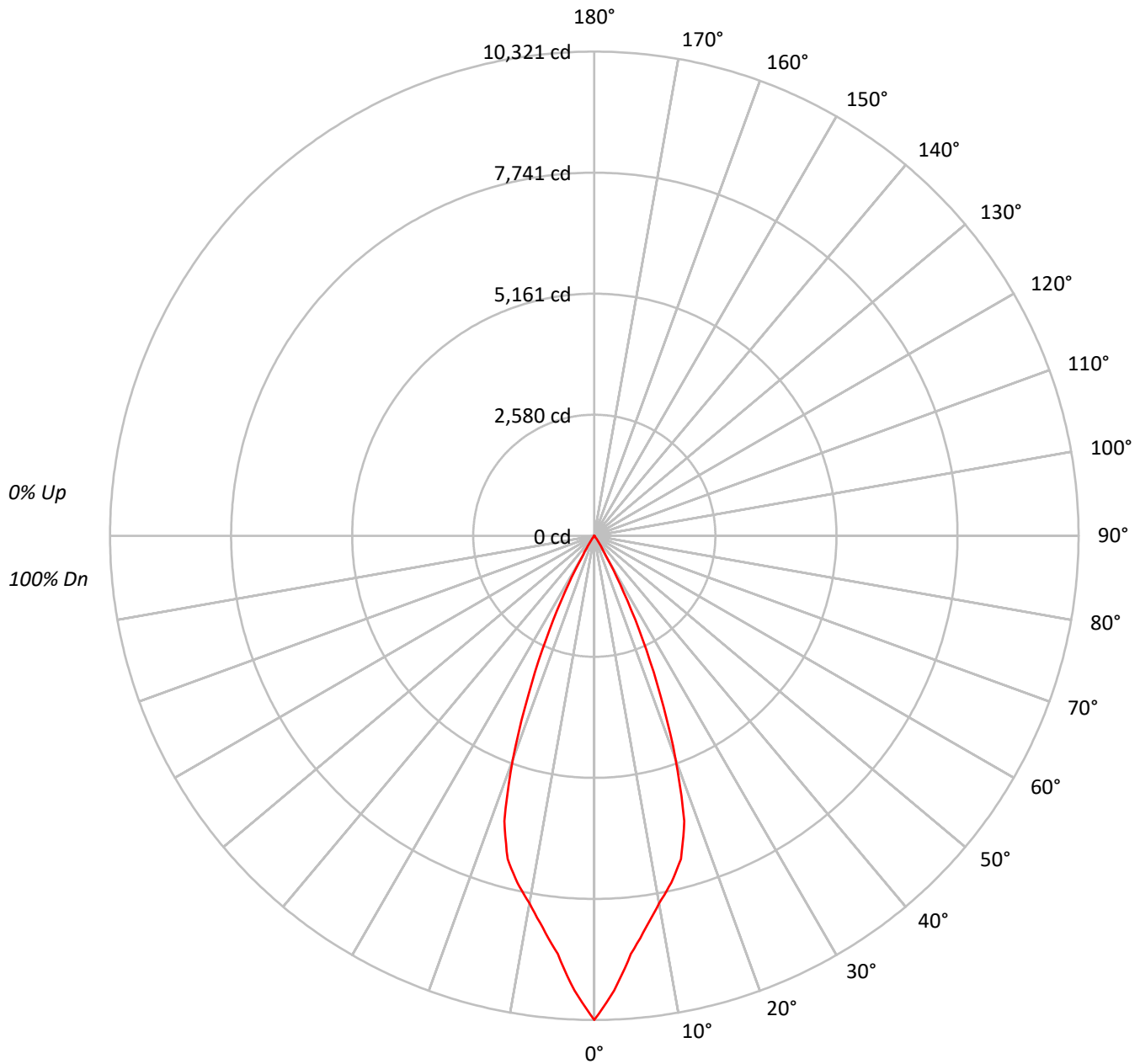
Lumens per Lamp: N/A
Luminaire Lumens: 3968.8 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.61
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 49.8
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	112	110	109	112	110	108	107	106	105	104	103	101	100	99	98	98	96		
2	110	107	103	101	108	105	102	100	102	99	97	99	97	95	96	95	93	92		
3	107	101	98	94	105	100	97	94	98	95	92	95	93	91	93	91	89	88		
4	103	97	93	89	101	96	92	89	94	90	88	92	89	87	90	88	86	85		
5	99	93	88	85	98	92	88	84	90	87	84	89	86	83	87	85	82	81		
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78		
7	92	85	81	77	91	85	80	77	84	80	77	82	79	76	81	78	76	75		
8	89	82	77	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72		
9	86	79	74	71	86	79	74	71	78	74	71	77	73	71	76	73	71	70		
10	84	76	72	69	83	76	71	69	75	71	68	74	71	68	74	70	68	67		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	565804
5°	492493
10°	442827
15°	404872
20°	295805
25°	146748
30°	32429
35°	6297
40°	1131
45°	302
50°	128
55°	76
60°	88
65°	104
70°	128
75°	169
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	827.8	20.9
10°-20°	1916.8	48.3
20°-30°	1121.4	28.3
30°-40°	96.2	2.4
40°-50°	4.4	0.1
50°-60°	0.8	0.0
60°-70°	0.8	0.0
70°-80°	0.5	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°	3866.0	97.4
0°-40°	3962.2	99.8
0°-60°	3967.5	100.0
0°-90°	3968.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3968.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10321	
5°	8950	828
15°	7134	1917
25°	2426	1121
35°	94	96
45°	4	4
55°	1	1
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10321.1
2.5°	9704.6
5°	8949.6
7.5°	8423.1
10°	7955.1
12.5°	7574.1
15°	7133.8
17.5°	6374.8
20°	5070.5
22.5°	3668.1
25°	2426.1
27.5°	1343.1
30°	512.3
32.5°	262.4
35°	94.1
37.5°	30.0
40°	15.8
42.5°	8.7
45°	3.9
47.5°	2.4
50°	1.5
52.5°	0.8
55°	0.8
57.5°	0.8
60°	0.8
62.5°	0.8
65°	0.8
67.5°	0.8
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report



— 0°-180°

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Scaled Data Report



(END OF REPORT)