

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: P1192846

Luminaire Tested: **LDA6A75950D010TE LARH40FL 6LAL1LI**

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: P1192846
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: LDA6A75950D010TE LARH40FL 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

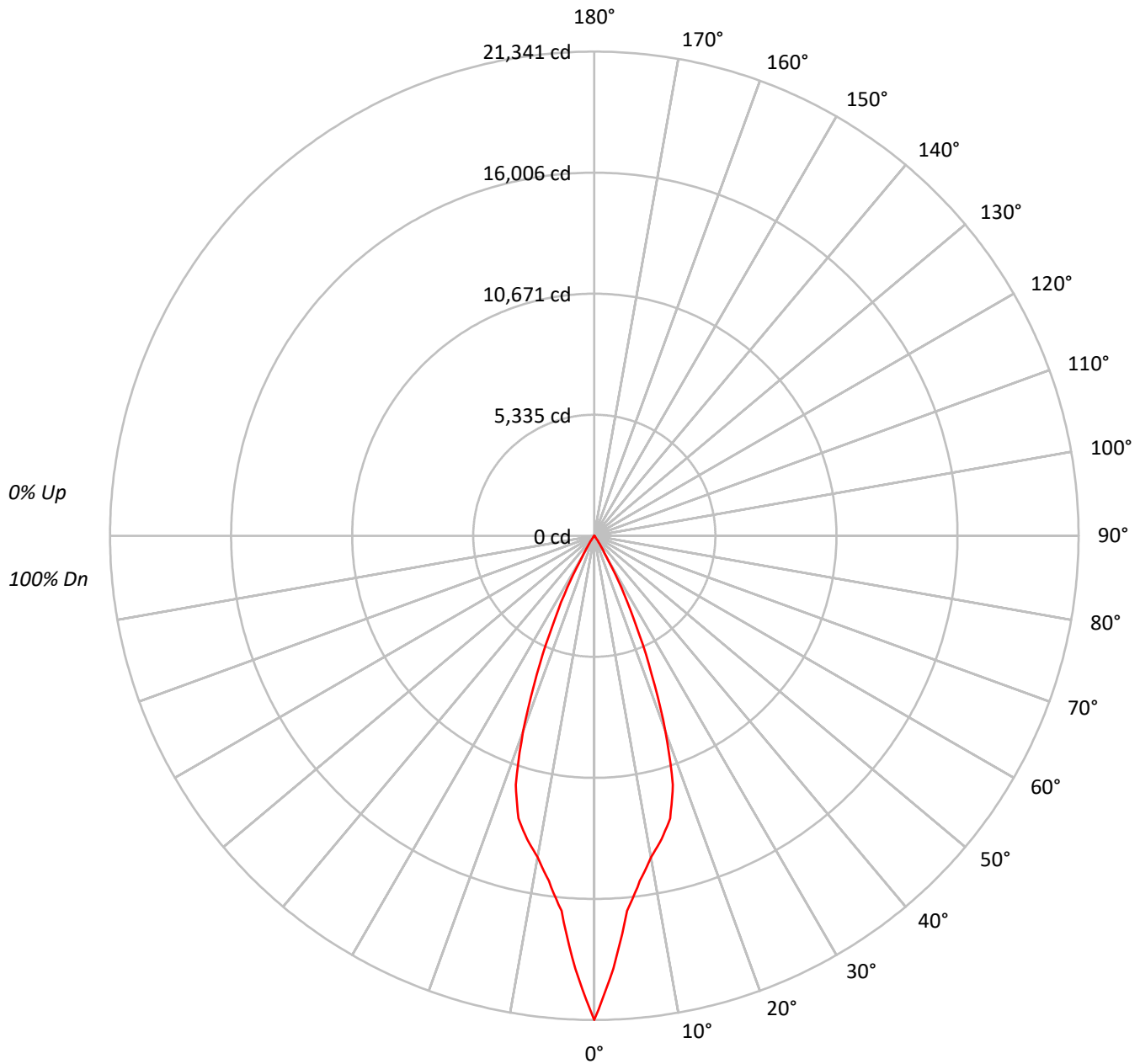
Lumens per Lamp: N/A
Luminaire Lumens: 7277.4 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.58
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 86.9
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°	1169912
5°	913430
10°	801043
15°	732104
20°	534753
25°	260936
30°	63687
35°	14562
40°	3134
45°	1427
50°	716
55°	1080
60°	1085
65°	921
70°	673
75°	572
80°	474
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1537.8	21.1
10°-20°	3464.1	47.6
20°-30°	2040.6	28.0
30°-40°	199.2	2.7
40°-50°	15.9	0.2
50°-60°	9.0	0.1
60°-70°	6.9	0.1
70°-80°	3.3	0.0
80°-90°	0.6	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°	7042.5	96.8
0°-40°	7241.6	99.5
0°-60°	7266.6	99.9
0°-90°	7277.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7277.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21341	
5°	16599	###
15°	12900	3464
25°	4314	2041
35°	218	199
45°	18	16
55°	11	9
65°	7	7
75°	3	3
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	21340.9
2.5°	19101.4
5°	16598.9
7.5°	15349.8
10°	14390.2
12.5°	13692.2
15°	12899.6
17.5°	11504.8
20°	9166.4
22.5°	6611.5
25°	4313.9
27.5°	2574.6
30°	1006.1
32.5°	527.1
35°	217.6
37.5°	72.1
40°	43.8
42.5°	28.3
45°	18.4
47.5°	11.3
50°	8.4
52.5°	9.9
55°	11.3
57.5°	9.9
60°	9.9
62.5°	8.4
65°	7.1
67.5°	5.6
70°	4.2
72.5°	4.2
75°	2.7
77.5°	2.7
80°	1.5
82.5°	1.5
85°	0.0
87.5°	0.0
90°	0.0

Classified

Scaled Data Report

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Report Generated By 670245859 / DESKTOP-T8S5UU9

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Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report



— 0°-180°

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(END OF REPORT)