

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: P1192235

Luminaire Tested: **LDA6A40940D010TE LARH40FL 6LFC1H**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1192235
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26667)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A40940D010TE 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

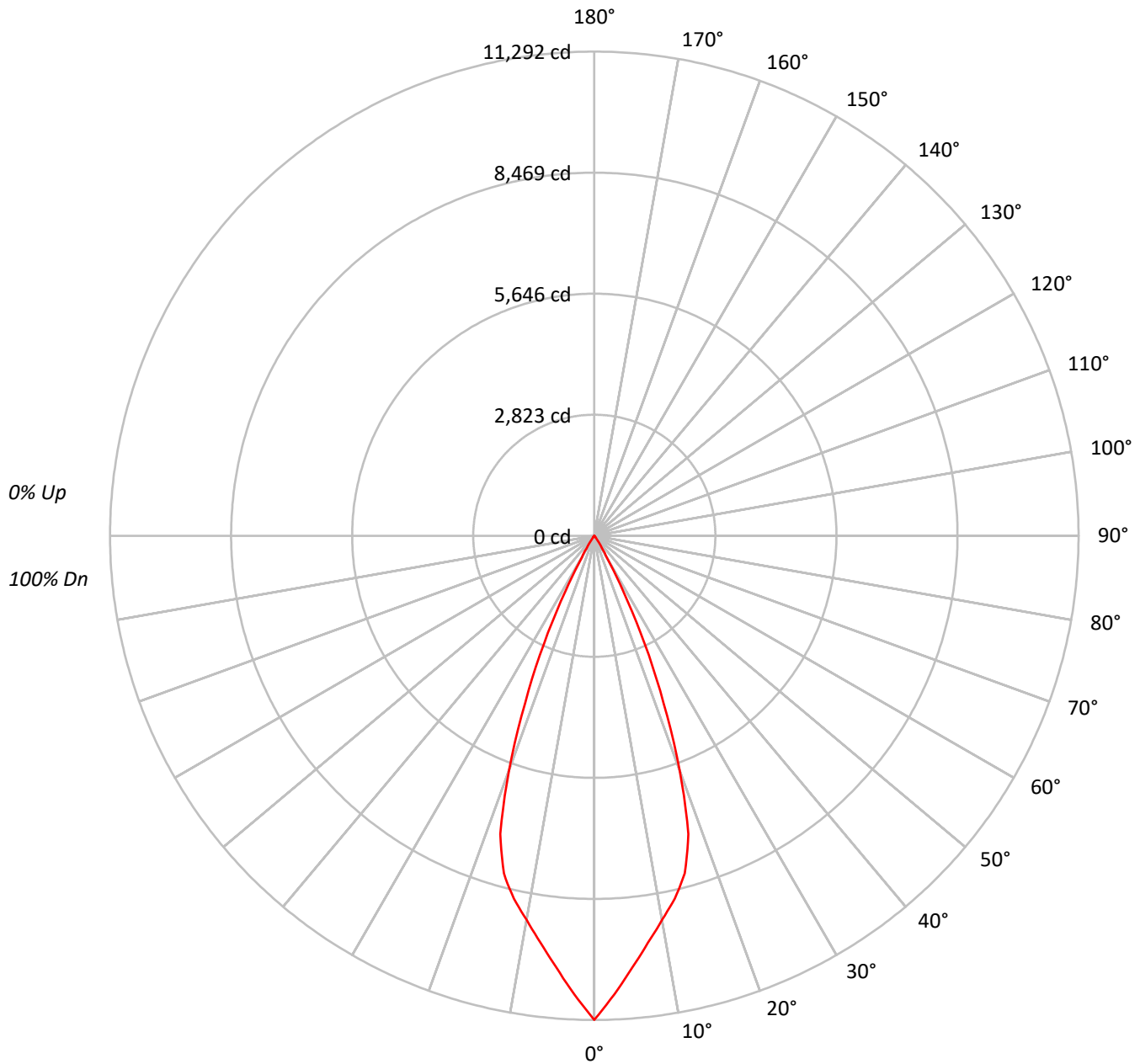
Lumens per Lamp: N/A
Luminaire Lumens: 4530.3 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.61
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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
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	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		89	85	83		87
6	96	89	84	81	94	88	84	81	87	83	80		85	82	79		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	76	74		80	76	73		79
9	86	79	74	71	85	78	74	71	78	74	71		77	73	71		76
10	84	76	71	68	83	76	71	68	75	71	68		74	71	68		74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	619013
5°	556465
10°	506209
15°	462721
20°	339541
25°	167840
30°	36449
35°	6906
40°	1875
45°	845
50°	469
55°	430
60°	296
65°	350
70°	305
75°	191
80°	284
85°	0

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1121 Highway 74 South

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	935.5	20.6
10°-20°	2193.2	48.4
20°-30°	1274.1	28.1
30°-40°	110.5	2.4
40°-50°	9.5	0.2
50°-60°	3.7	0.1
60°-70°	2.4	0.1
70°-80°	1.1	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°	4402.7	97.2
0°-40°	4513.2	99.6
0°-60°	4526.4	99.9
0°-90°	4530.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4530.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11292	
5°	10112	935
15°	8153	2193
25°	2775	1274
35°	103	111
45°	11	10
55°	4	4
65°	3	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11291.7
2.5°	10701.4
5°	10112.1
7.5°	9577.1
10°	9093.7
12.5°	8669.1
15°	8153.1
17.5°	7292.1
20°	5820.2
22.5°	4215.9
25°	2774.8
27.5°	1449.4
30°	575.8
32.5°	298.7
35°	103.2
37.5°	42.6
40°	26.2
42.5°	16.3
45°	10.9
47.5°	7.2
50°	5.5
52.5°	4.5
55°	4.5
57.5°	3.6
60°	2.7
62.5°	2.7
65°	2.7
67.5°	1.9
70°	1.9
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.9
82.5°	0.9
85°	0.0
87.5°	0.0
90°	0.0

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Peachtree City, GA 30269

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— 0°-180°

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(END OF REPORT)