

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: P1192226

Luminaire Tested: **LDA6A40940D010TE LARH30NF 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: P1192226
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26641)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A40940D010TE LARH30NF 6LA1LI
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, Self-flanged, 30°
Narrow Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

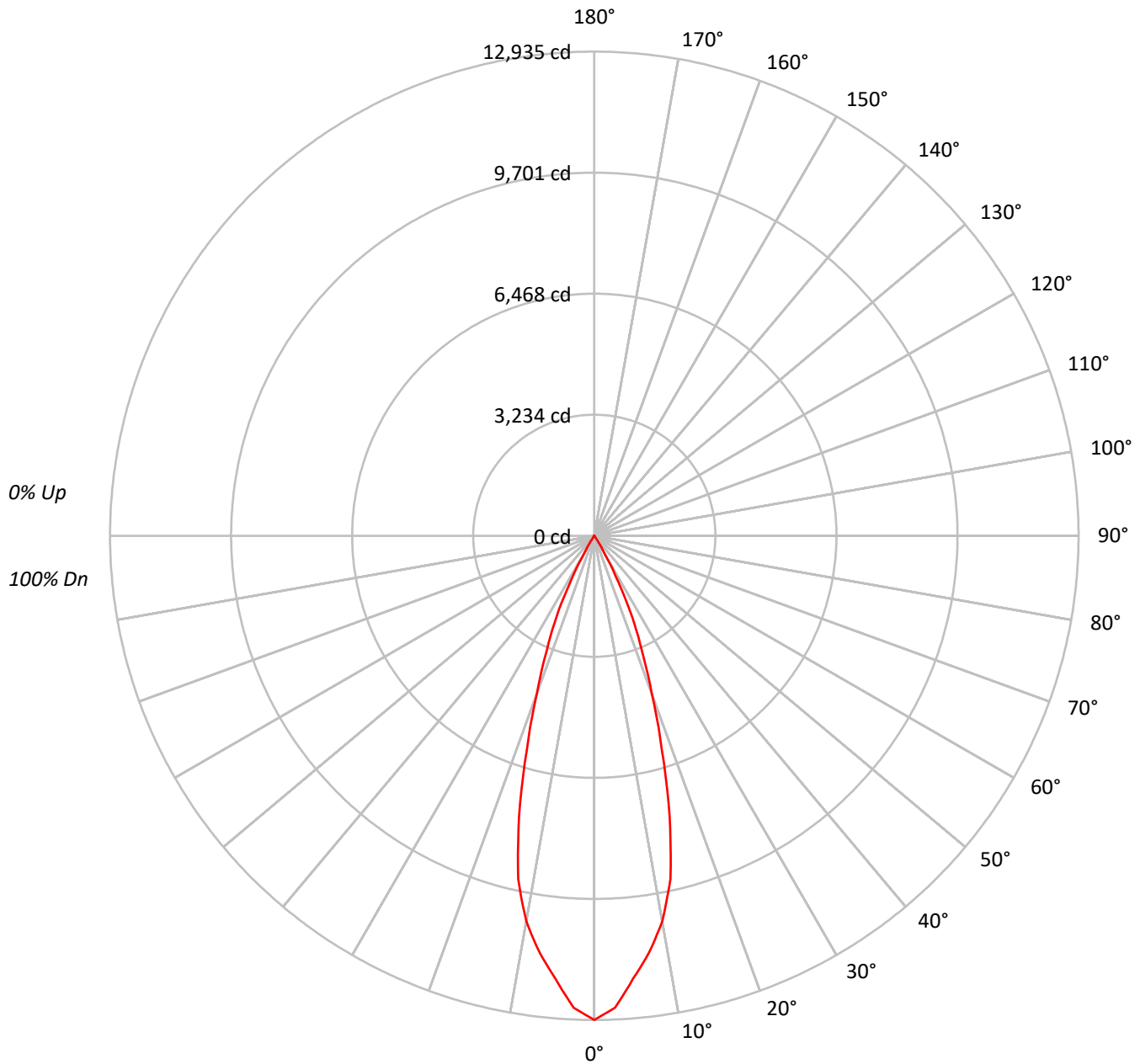
Lumens per Lamp: N/A
Luminaire Lumens: 4318.4 lumens
Efficiency: N/A
Efficacy: 86.7 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.55
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	113	111	109	112	110	109	107	107	105	104	103	102	101	99	99	98	96		
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93		
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	89		
4	103	98	94	90	102	97	93	90	95	92	89	93	90	88	91	89	87	86		
5	100	94	89	86	99	93	89	86	91	88	85	90	87	85	88	86	84	83		
6	97	90	86	83	96	90	85	82	88	85	82	87	84	81	86	83	81	80		
7	94	87	82	79	93	86	82	79	85	81	79	84	81	78	83	80	78	77		
8	91	84	79	76	90	83	79	76	82	79	76	81	78	76	81	78	75	74		
9	88	81	77	74	87	81	76	74	80	76	73	79	76	73	78	75	73	72		
10	85	78	74	71	85	78	74	71	77	73	71	77	73	71	76	73	71	70		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	709099
5°	653823
10°	581970
15°	440706
20°	262464
25°	144668
30°	34379
35°	2483
40°	716
45°	209
50°	77
55°	86
60°	99
65°	117
70°	144
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1093.0	25.3
10°-20°	2080.2	48.2
20°-30°	1058.8	24.5
30°-40°	81.4	1.9
40°-50°	2.9	0.1
50°-60°	0.8	0.0
60°-70°	0.9	0.0
70°-80°	0.4	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°	4232.0	98.0
0°-40°	4313.4	99.9
0°-60°	4317.2	100.0
0°-90°	4318.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4318.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12935	
5°	11881	###
15°	7765	2080
25°	2392	1059
35°	37	81
45°	3	3
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12935.0
2.5°	12621.9
5°	11881.3
7.5°	11226.9
10°	10454.7
12.5°	9390.1
15°	7765.2
17.5°	6001.8
20°	4499.0
22.5°	3316.9
25°	2391.7
27.5°	1379.6
30°	543.1
32.5°	223.6
35°	37.1
37.5°	19.0
40°	10.0
42.5°	5.5
45°	2.7
47.5°	1.9
50°	0.9
52.5°	0.9
55°	0.9
57.5°	0.9
60°	0.9
62.5°	0.9
65°	0.9
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.0
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)