

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: P1192532

Luminaire Tested: **LDA6A60930D010TE 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: P1192532
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26623)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A60930D010TE LARH30NF 6LA1LI
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, Self-flanged, 30°
Narrow Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

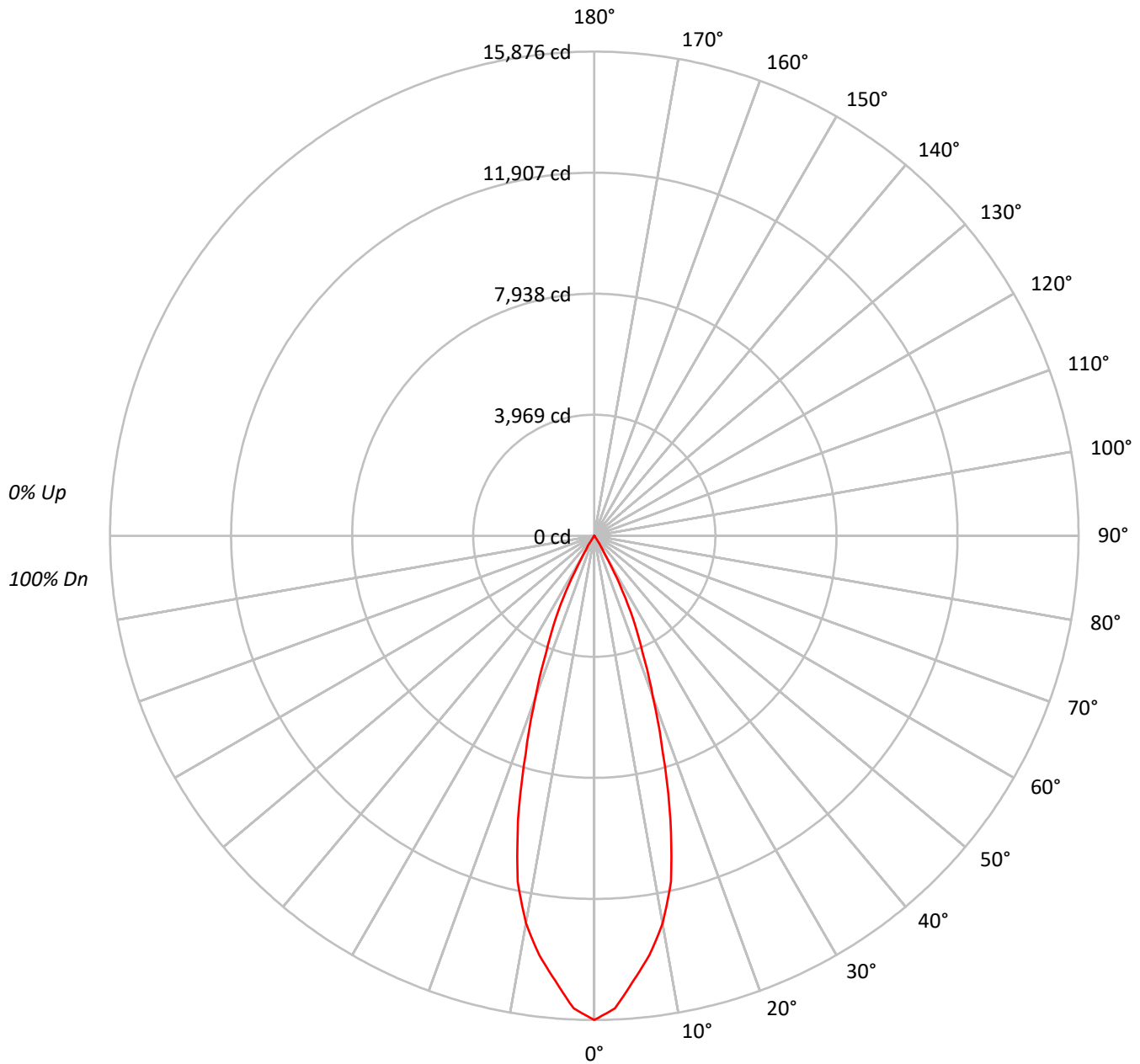
Lumens per Lamp: N/A
Luminaire Lumens: 5382.4 lumens
Efficiency: N/A
Efficacy: 75.0 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.57 / 0.55
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 71.8
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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	113	111	109	112	110	109	107		106	105	104		103	102	101		99	99	98
2	111	107	104	101	109	105	103	100		102	100	98		99	98	96		97	95	94
3	107	102	98	95	105	101	97	95		98	95	93		96	94	92		94	92	90
4	103	98	94	90	102	97	93	90		95	91	89		93	90	88		91	89	87
5	100	94	89	86	99	93	89	86		91	88	85		90	87	84		88	86	84
6	97	90	86	82	95	89	85	82		88	84	82		87	84	81		86	83	81
7	94	87	82	79	93	86	82	79		85	81	79		84	81	78		83	80	78
8	91	84	79	76	90	83	79	76		82	78	76		81	78	75		80	77	75
9	88	81	76	73	87	80	76	73		80	76	73		79	75	73		78	75	73
10	85	78	74	71	84	78	74	71		77	73	71		76	73	70		76	73	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	870320
5°	806128
10°	718145
15°	548000
20°	328539
25°	181063
30°	44792
35°	3467
40°	973
45°	380
50°	162
55°	182
60°	208
65°	130
70°	160
75°	212
80°	316
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1347.7	25.0
10°-20°	2583.6	48.0
20°-30°	1334.3	24.8
30°-40°	108.1	2.0
40°-50°	4.4	0.1
50°-60°	1.7	0.0
60°-70°	1.3	0.0
70°-80°	1.1	0.0
80°-90°	0.1	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°	5265.6	97.8
0°-40°	5373.8	99.8
0°-60°	5379.9	100.0
0°-90°	5382.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5382.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15876	
5°	14649	###
15°	9656	2584
25°	2993	1334
35°	52	108
45°	5	4
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	15875.9
2.5°	15513.7
5°	14649.0
7.5°	13861.4
10°	12901.0
12.5°	11609.7
15°	9655.7
17.5°	7486.0
20°	5631.6
22.5°	4128.5
25°	2993.4
27.5°	1802.8
30°	707.6
32.5°	300.6
35°	51.8
37.5°	25.3
40°	13.6
42.5°	7.8
45°	4.9
47.5°	2.9
50°	1.9
52.5°	1.9
55°	1.9
57.5°	1.9
60°	1.9
62.5°	1.9
65°	1.0
67.5°	1.0
70°	1.0
72.5°	1.0
75°	1.0
77.5°	1.0
80°	1.0
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)