

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: P1192359

Luminaire Tested: **LDA6A50930D010TE LARH20SP 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: P1192359
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26662)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A50930D010TE LARH20SP 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 20° Spot
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

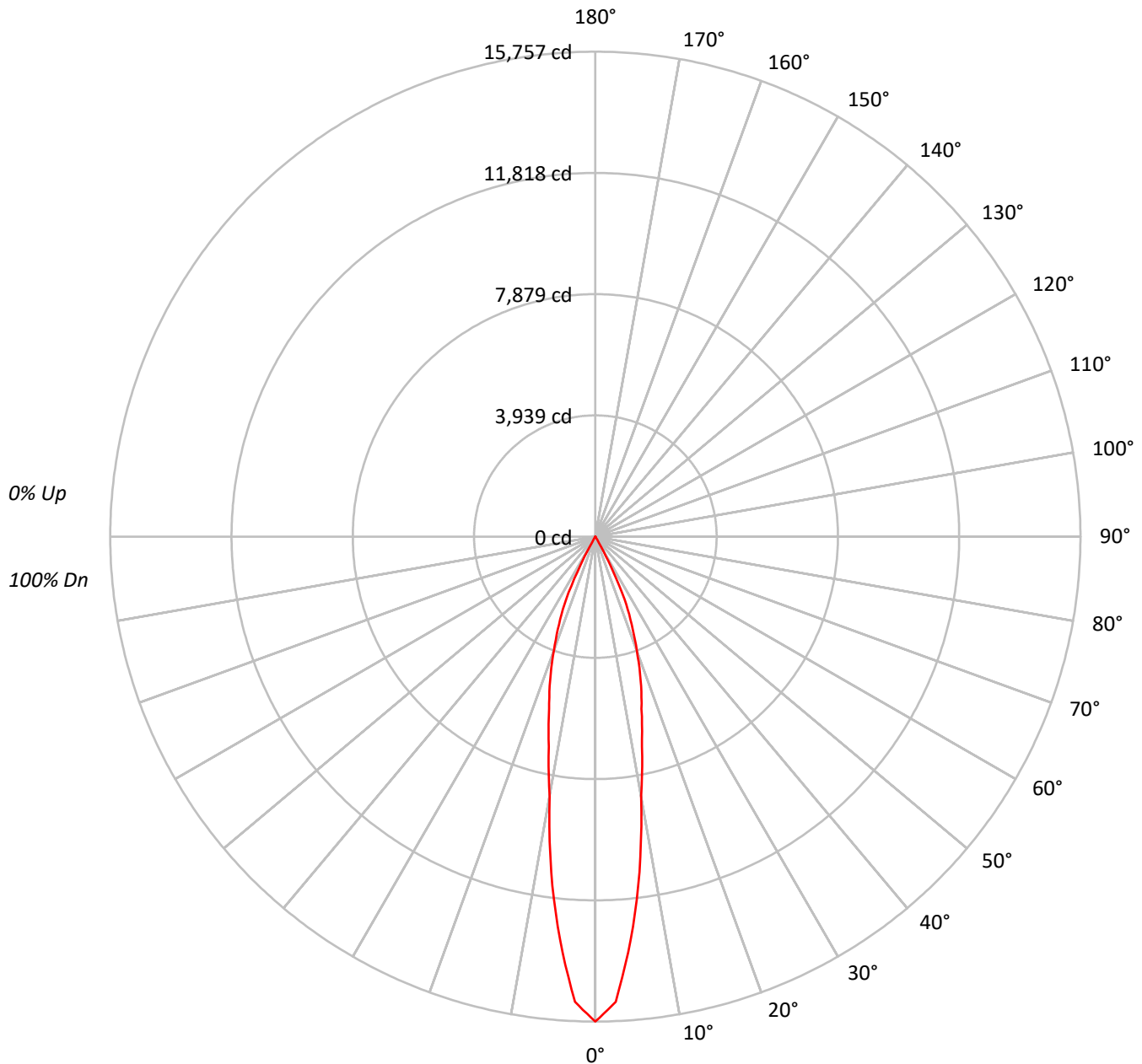
Lumens per Lamp: N/A
Luminaire Lumens: 3721.5 lumens
Efficiency: N/A
Efficacy: 64.8 lumens/watt
Spacing Criteria (0/90/45): 0.37 / 0.37 / 0.47
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 57.4
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	113	111	109	107	107	105	104	103	102	101	100	99	98	96		
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	93		
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	89		
4	104	98	94	91	102	97	93	91	95	92	90	93	91	89	92	89	88	86		
5	101	94	90	87	99	94	90	87	92	89	86	90	88	85	89	87	85	83		
6	97	91	87	84	96	90	86	83	89	85	83	88	85	82	87	84	82	81		
7	94	88	83	80	93	87	83	80	86	83	80	85	82	79	84	81	79	78		
8	92	85	81	78	91	84	80	77	83	80	77	83	79	77	82	79	77	76		
9	89	82	78	75	88	82	78	75	81	77	75	80	77	75	79	76	74	73		
10	87	80	75	73	86	79	75	73	79	75	72	78	75	72	77	74	72	71		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	863790
5°	724167
10°	476572
15°	328787
20°	229136
25°	136587
30°	14084
35°	1345
40°	823
45°	589
50°	571
55°	822
60°	833
65°	752
70°	625
75°	593
80°	600
85°	566



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1114.2	29.9
10°-20°	1630.6	43.8
20°-30°	927.1	24.9
30°-40°	26.6	0.7
40°-50°	6.3	0.2
50°-60°	7.2	0.2
60°-70°	5.7	0.2
70°-80°	3.0	0.1
80°-90°	0.7	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°	3671.9	98.7
0°-40°	3698.5	99.4
0°-60°	3712.0	99.7
0°-90°	3721.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3721.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15757	
5°	13160	###
15°	5793	1631
25°	2258	927
35°	20	27
45°	8	6
55°	9	7
65°	6	6
75°	3	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	15756.8
2.5°	15129.2
5°	13159.6
7.5°	10997.2
10°	8561.3
12.5°	6984.3
15°	5793.2
17.5°	4894.4
20°	3927.7
22.5°	3082.4
25°	2258.1
27.5°	1046.8
30°	222.5
32.5°	27.7
35°	20.1
37.5°	15.3
40°	11.5
42.5°	9.5
45°	7.6
47.5°	6.7
50°	6.7
52.5°	7.6
55°	8.6
57.5°	8.6
60°	7.6
62.5°	6.7
65°	5.8
67.5°	4.8
70°	3.9
72.5°	3.9
75°	2.8
77.5°	1.9
80°	1.9
82.5°	0.9
85°	0.9
87.5°	0.0
90°	0.0

Classified

Scaled Data Report

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1121 Highway 74 South

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Peachtree City, GA 30269

Scaled Data Report



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Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



— 0°-180°

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Scaled Data Report



(END OF REPORT)