

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: P1192410

Luminaire Tested: **LDA6A50950D010TE LARH20SP 6LAL1LI**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1192410
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: LDA6A50950D010TE LARH20SP 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 20° Spot
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

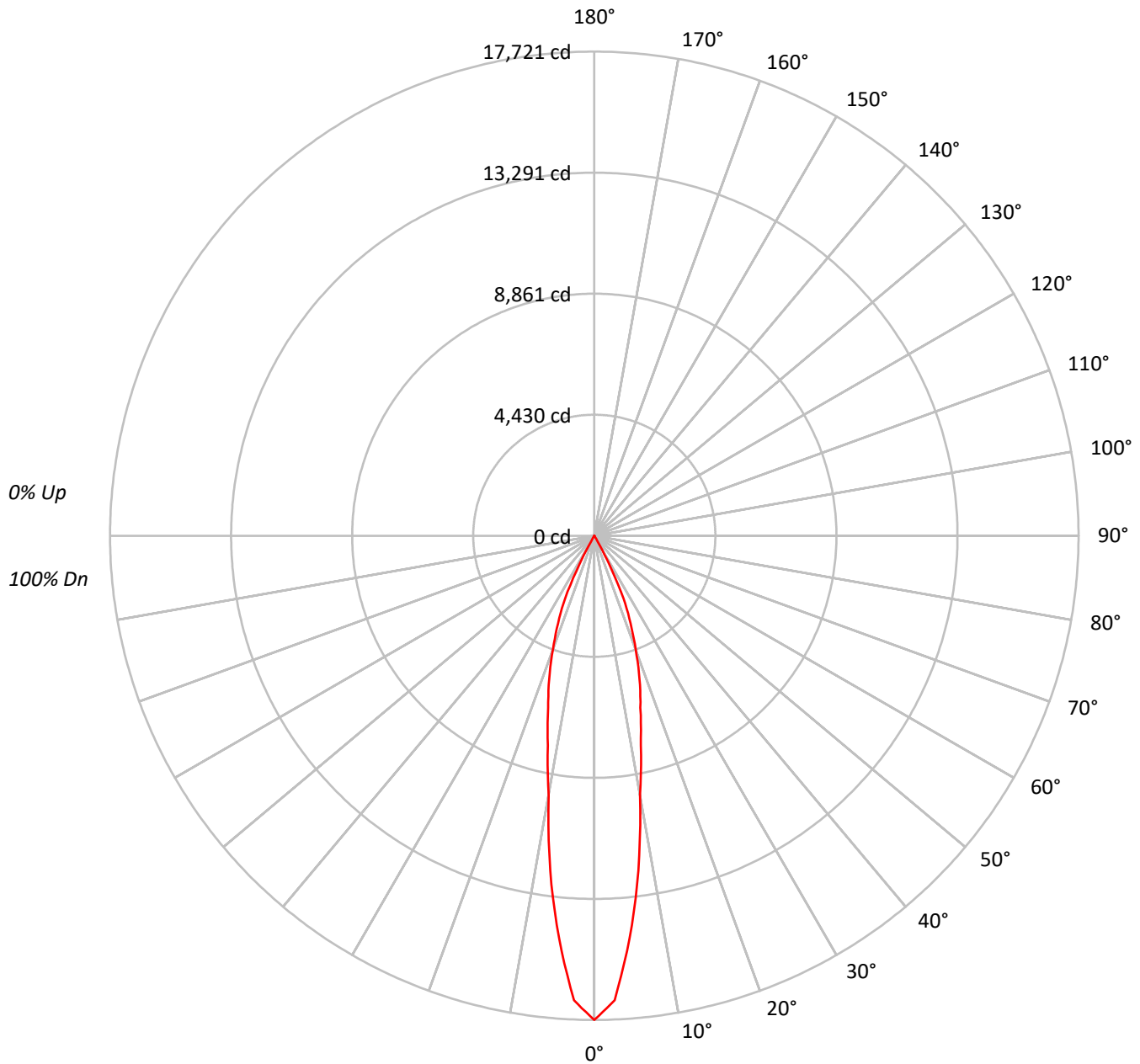
Lumens per Lamp: N/A
Luminaire Lumens: 4185.5 lumens
Efficiency: N/A
Efficacy: 72.9 lumens/watt
Spacing Criteria (0/90/45): 0.37 / 0.37 / 0.47
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	971474
5°	814443
10°	535984
15°	369775
20°	257704
25°	153614
30°	15844
35°	1512
40°	923
45°	659
50°	648
55°	927
60°	932
65°	830
70°	689
75°	678
80°	695
85°	692



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1253.1	29.9
10°-20°	1833.9	43.8
20°-30°	1042.7	24.9
30°-40°	29.9	0.7
40°-50°	7.1	0.2
50°-60°	8.1	0.2
60°-70°	6.4	0.2
70°-80°	3.4	0.1
80°-90°	0.9	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°	4129.7	98.7
0°-40°	4159.6	99.4
0°-60°	4174.8	99.7
0°-90°	4185.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4185.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17721	
5°	14800	###
15°	6515	1834
25°	2540	1043
35°	23	30
45°	8	7
55°	10	8
65°	6	6
75°	3	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	17721.1
2.5°	17015.2
5°	14800.1
7.5°	12367.9
10°	9628.6
12.5°	7855.0
15°	6515.4
17.5°	5504.5
20°	4417.4
22.5°	3466.7
25°	2539.6
27.5°	1177.4
30°	250.3
32.5°	31.1
35°	22.6
37.5°	17.2
40°	12.9
42.5°	10.7
45°	8.5
47.5°	7.6
50°	7.6
52.5°	8.5
55°	9.7
57.5°	9.7
60°	8.5
62.5°	7.6
65°	6.4
67.5°	5.4
70°	4.3
72.5°	4.3
75°	3.2
77.5°	2.2
80°	2.2
82.5°	1.1
85°	1.1
87.5°	0.0
90°	0.0

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



Report Generated By 670245859 / DESKTOP-T8S5UU9

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1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



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Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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Scaled Data Report



— 0°-180°

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Scaled Data Report



(END OF REPORT)