

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: P1192750

Luminaire Tested: **LDA6A70950D010TE 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: P1192750
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26678)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A70950D010TE 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

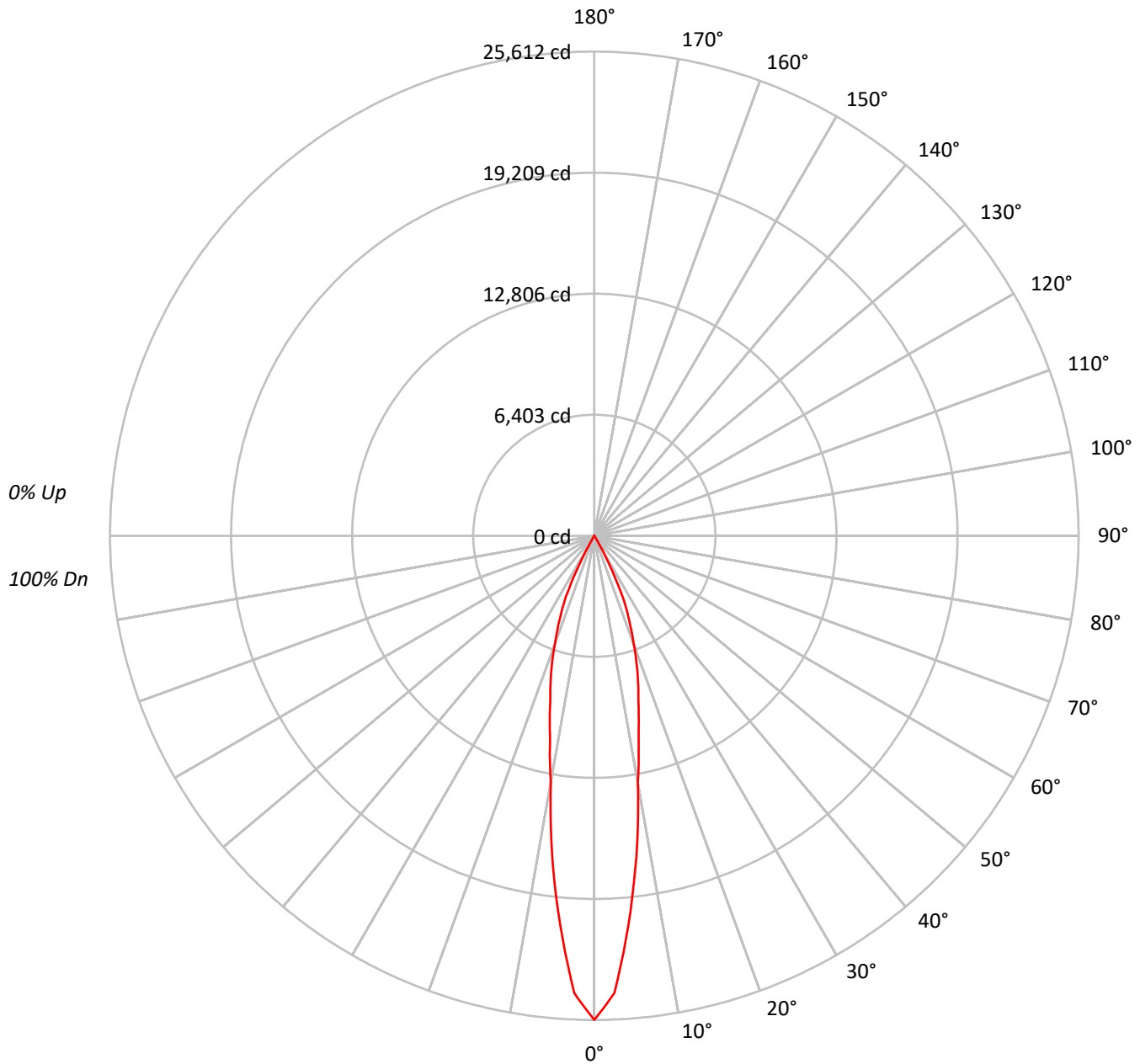
Lumens per Lamp: N/A
Luminaire Lumens: 5804.3 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.45
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 78.1
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	103	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	90		
4	104	98	94	91	102	97	94	91	95	92	90	93	91	89	92	89	88	86		
5	101	94	90	87	99	94	90	87	92	89	86	91	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	95	88	84	80	93	87	83	80	86	83	80	85	82	80	84	81	79	78		
8	92	85	81	78	91	84	80	78	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	80	77	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°	1404082
5°	1137252
10°	737506
15°	510457
20°	356594
25°	214325
30°	22592
35°	2195
40°	1302
45°	814
50°	785
55°	1137
60°	1305
65°	1012
70°	833
75°	805
80°	789
85°	881



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1746.4	30.1
10°-20°	2529.9	43.6
20°-30°	1452.5	25.0
30°-40°	42.6	0.7
40°-50°	9.2	0.2
50°-60°	10.1	0.2
60°-70°	8.3	0.1
70°-80°	4.4	0.1
80°-90°	1.1	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°	5728.8	98.7
0°-40°	5771.3	99.4
0°-60°	5790.6	99.8
0°-90°	5804.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5804.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	25612	
5°	20666	###
15°	8994	2530
25°	3543	1452
35°	33	43
45°	10	9
55°	12	10
65°	8	8
75°	4	4
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	25612.5
2.5°	24213.5
5°	20666.2
7.5°	17064.0
10°	13248.8
12.5°	10812.9
15°	8994.2
17.5°	7607.1
20°	6112.5
22.5°	4792.0
25°	3543.3
27.5°	1677.5
30°	356.9
32.5°	44.4
35°	32.8
37.5°	23.5
40°	18.2
42.5°	14.4
45°	10.5
47.5°	9.2
50°	9.2
52.5°	10.5
55°	11.9
57.5°	11.9
60°	11.9
62.5°	10.5
65°	7.8
67.5°	6.6
70°	5.2
72.5°	5.2
75°	3.8
77.5°	3.8
80°	2.5
82.5°	1.4
85°	1.4
87.5°	0.0
90°	0.0

Classified

Scaled Data Report

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1121 Highway 74 South

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Report Generated By 670245859 / DESKTOP-T8S5UU9

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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)