

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: P1192391

Luminaire Tested: **LDA6A50940D010TE LARH20SP 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: P1192391
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26660)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A50940D010TE LARH20SP 6LA1LI
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, Self-flanged, 20° Spot
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

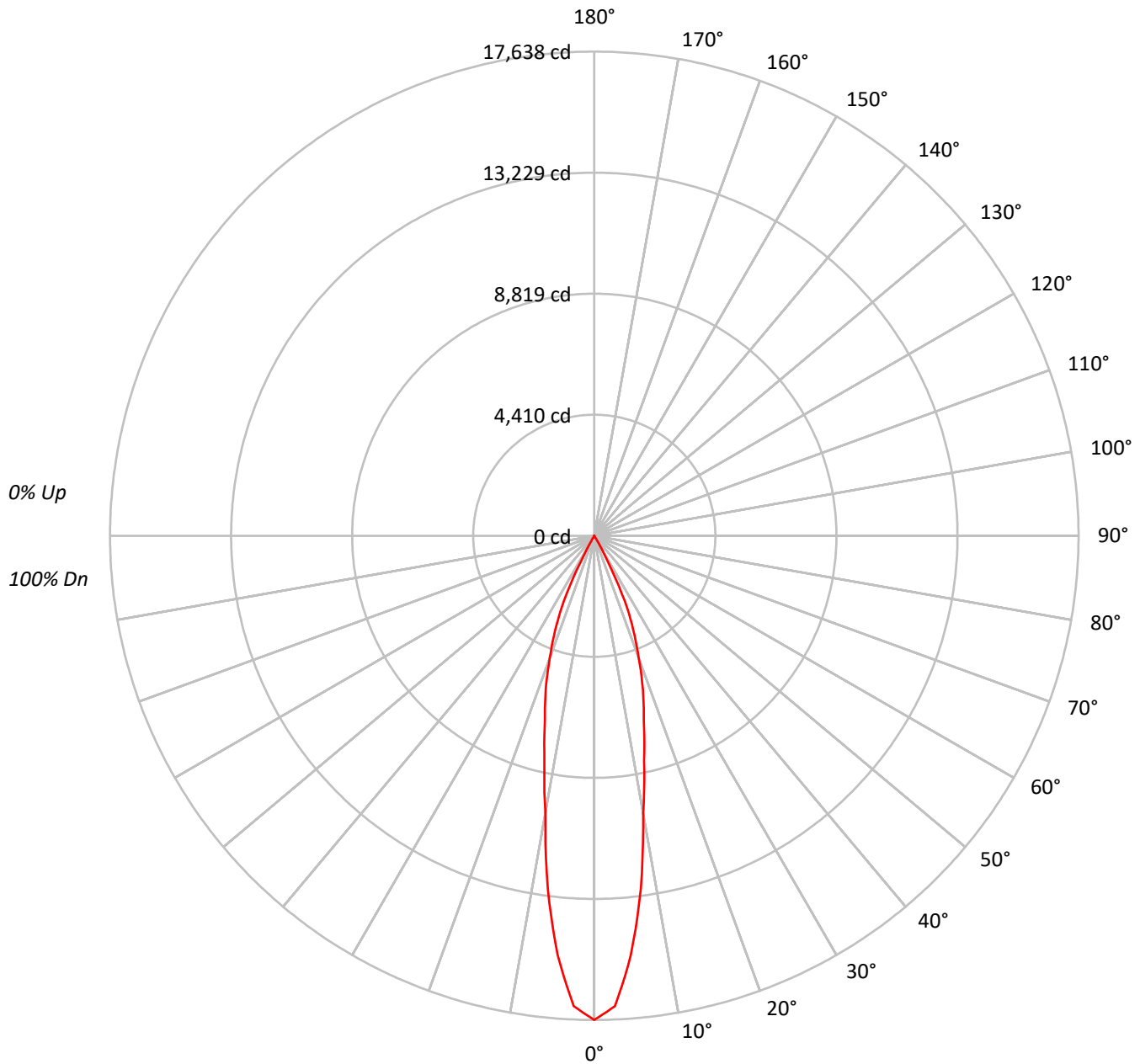
Lumens per Lamp: N/A
Luminaire Lumens: 4373.7 lumens
Efficiency: N/A
Efficacy: 76.2 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.49
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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
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	101		103	100	98			100	98	96			97
3	107	103	99	96	106	101	98	95		99	96	94			97	94	92			94
4	104	98	94	91	102	97	94	91		95	92	90			94	91	89			92
5	101	95	90	87	99	94	90	87		92	89	86			91	88	86			89
6	98	91	87	84	96	91	87	84		89	86	83			88	85	83			87
7	95	88	84	81	94	87	83	81		86	83	80			85	82	80			84
8	92	85	81	78	91	85	81	78		84	80	78			83	80	77			82
9	89	82	78	75	88	82	78	75		81	78	75			80	77	75			80
10	87	80	76	73	86	80	76	73		79	75	73			78	75	73			78

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	966940
5°	843257
10°	571449
15°	394452
20°	276034
25°	159251
30°	11768
35°	964
40°	522
45°	318
50°	264
55°	296
60°	340
65°	272
70°	337
75°	233
80°	347
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1302.0	29.8
10°-20°	1958.3	44.8
20°-30°	1081.6	24.7
30°-40°	21.3	0.5
40°-50°	3.6	0.1
50°-60°	2.8	0.1
60°-70°	2.4	0.1
70°-80°	1.6	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°	4341.9	99.3
0°-40°	4363.2	99.8
0°-60°	4369.5	99.9
0°-90°	4373.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4373.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17638	
5°	15324	###
15°	6950	1958
25°	2633	1082
35°	14	21
45°	4	4
55°	3	3
65°	2	2
75°	1	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	17638.4
2.5°	17149.9
5°	15323.7
7.5°	12975.0
10°	10265.7
12.5°	8389.0
15°	6950.2
17.5°	5881.2
20°	4731.6
22.5°	3719.4
25°	2632.8
27.5°	1100.0
30°	185.9
32.5°	24.8
35°	14.4
37.5°	9.3
40°	7.3
42.5°	5.2
45°	4.1
47.5°	4.1
50°	3.1
52.5°	3.1
55°	3.1
57.5°	3.1
60°	3.1
62.5°	3.1
65°	2.1
67.5°	2.1
70°	2.1
72.5°	2.1
75°	1.1
77.5°	1.1
80°	1.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Classified

Scaled Data Report

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Report Generated By 670245859 / DESKTOP-T8S5UU9

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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)