

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: P1192221

Luminaire Tested: **LDA6A40940D010TE 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: P1192221
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: LDA6A40940D010TE 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

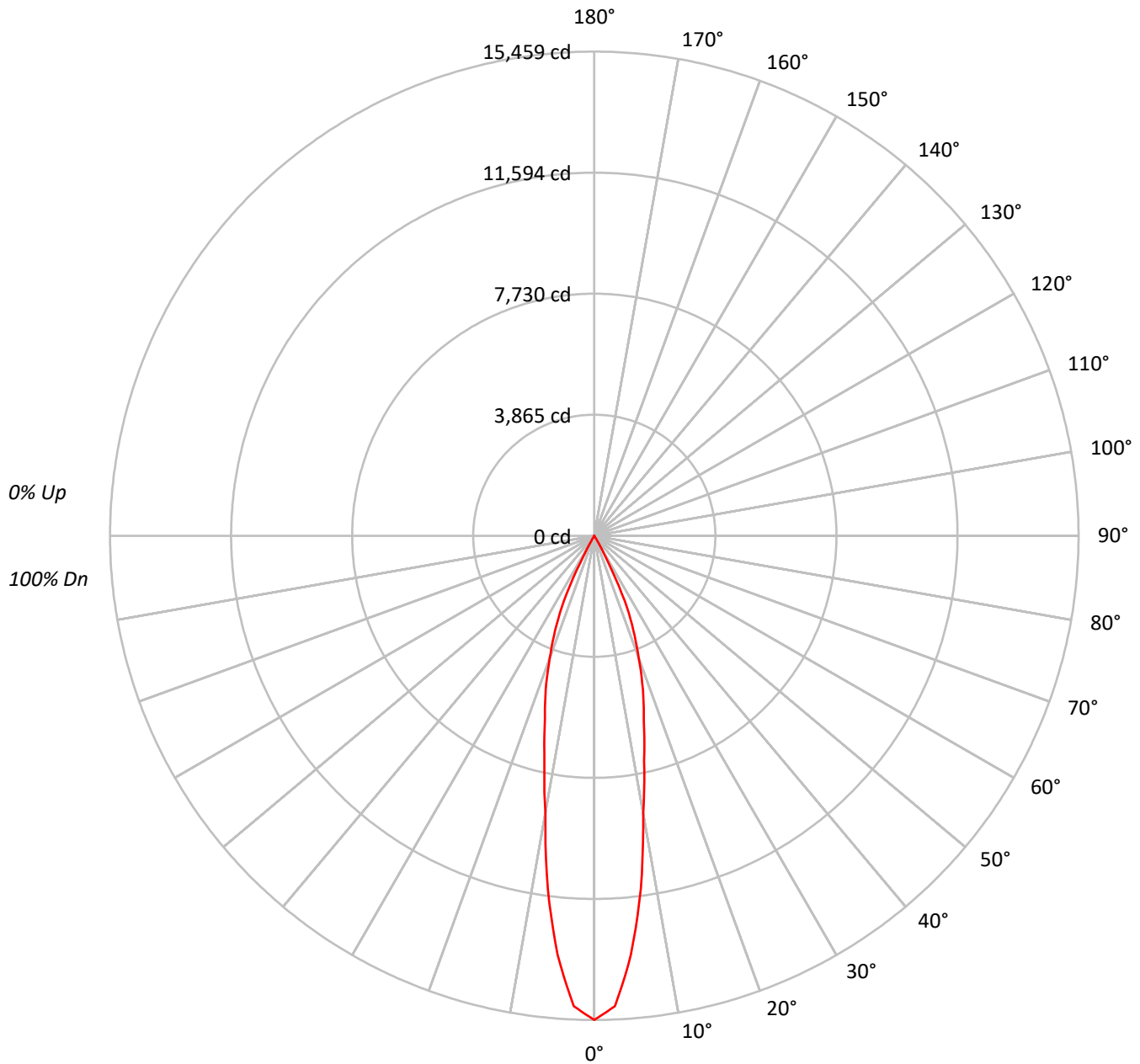
Lumens per Lamp: N/A
Luminaire Lumens: 3833.2 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.49
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 49.8
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
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°	847454
5°	739053
10°	500831
15°	345706
20°	241924
25°	139569
30°	10312
35°	850
40°	458
45°	279
50°	230
55°	258
60°	296
65°	246
70°	305
75°	191
80°	284
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1141.1	29.8
10°-20°	1716.3	44.8
20°-30°	947.9	24.7
30°-40°	18.7	0.5
40°-50°	3.1	0.1
50°-60°	2.4	0.1
60°-70°	2.2	0.1
70°-80°	1.3	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°	3805.3	99.3
0°-40°	3824.0	99.8
0°-60°	3829.5	99.9
0°-90°	3833.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3833.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15459	
5°	13430	###
15°	6091	1716
25°	2307	948
35°	13	19
45°	4	3
55°	3	2
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	15458.8
2.5°	15030.6
5°	13430.1
7.5°	11371.6
10°	8997.1
12.5°	7352.4
15°	6091.3
17.5°	5154.4
20°	4146.9
22.5°	3259.8
25°	2307.4
27.5°	964.1
30°	162.9
32.5°	21.7
35°	12.7
37.5°	8.1
40°	6.4
42.5°	4.5
45°	3.6
47.5°	3.6
50°	2.7
52.5°	2.7
55°	2.7
57.5°	2.7
60°	2.7
62.5°	2.7
65°	1.9
67.5°	1.9
70°	1.9
72.5°	1.9
75°	0.9
77.5°	0.9
80°	0.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Classified

Scaled Data Report

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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)