

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: P1192223

Luminaire Tested: **LDA6A40940D010TE LARH20SP 6LAL1LI**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1192223
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: LDA6A40940D010TE LARH20SP 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 20° Spot
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

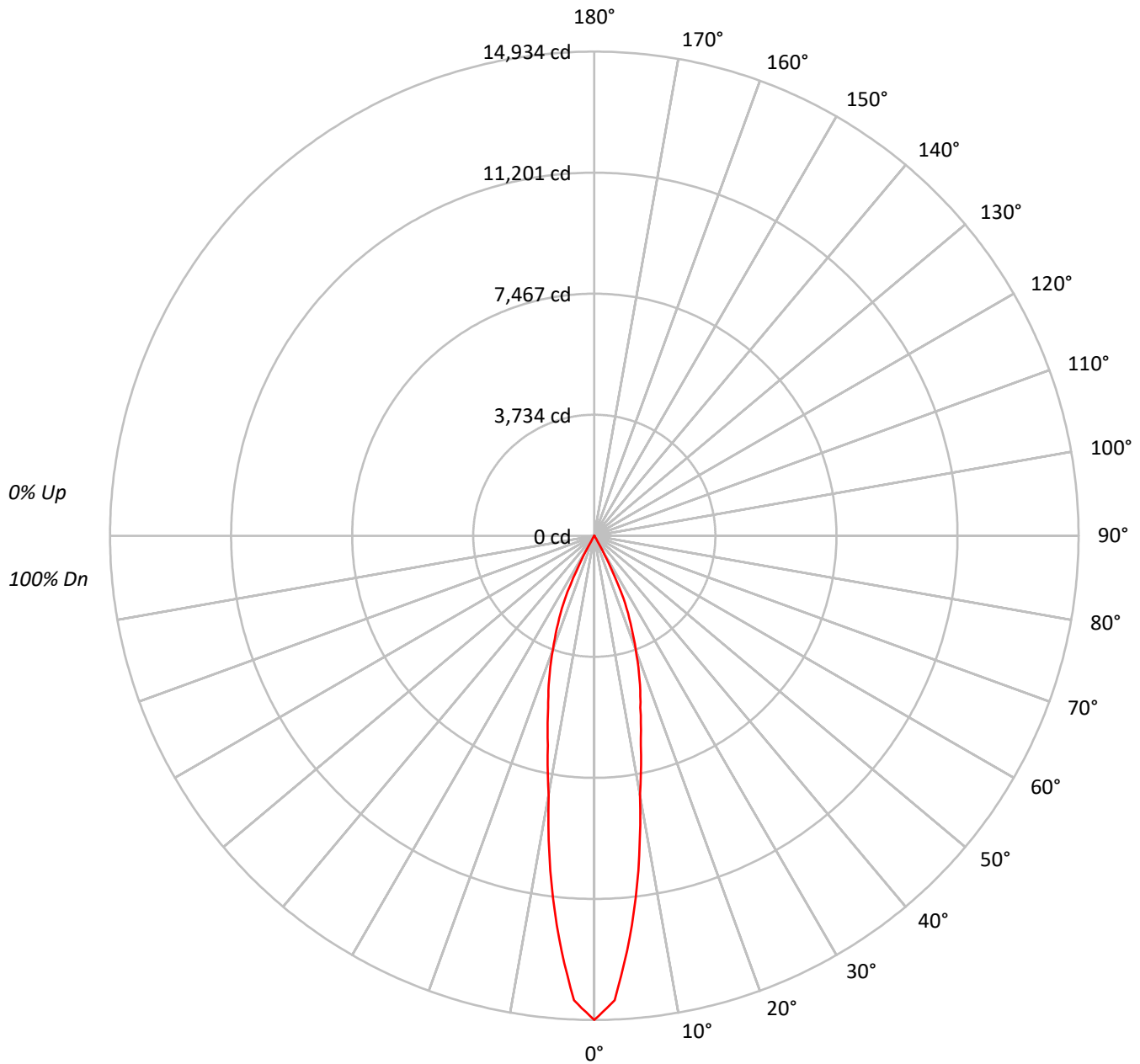
Lumens per Lamp: N/A
Luminaire Lumens: 3527.2 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Spacing Criteria (0/90/45): 0.37 / 0.37 / 0.47
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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



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°	818673
5°	686345
10°	451684
15°	311619
20°	217171
25°	129455
30°	13356
35°	1272
40°	780
45°	558
50°	546
55°	774
60°	789
65°	713
70°	577
75°	572
80°	600
85°	566



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1056.0	29.9
10°-20°	1545.4	43.8
20°-30°	878.7	24.9
30°-40°	25.2	0.7
40°-50°	6.0	0.2
50°-60°	6.8	0.2
60°-70°	5.4	0.2
70°-80°	2.9	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°	3480.2	98.7
0°-40°	3505.4	99.4
0°-60°	3518.2	99.7
0°-90°	3527.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3527.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14934	
5°	12472	###
15°	5491	1545
25°	2140	879
35°	19	25
45°	7	6
55°	8	7
65°	6	5
75°	3	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	14933.8
2.5°	14339.1
5°	12472.3
7.5°	10422.7
10°	8114.2
12.5°	6619.5
15°	5490.7
17.5°	4638.7
20°	3722.6
22.5°	2921.4
25°	2140.2
27.5°	992.2
30°	211.0
32.5°	26.2
35°	19.0
37.5°	14.5
40°	10.9
42.5°	9.1
45°	7.2
47.5°	6.4
50°	6.4
52.5°	7.2
55°	8.1
57.5°	8.1
60°	7.2
62.5°	6.4
65°	5.5
67.5°	4.5
70°	3.6
72.5°	3.6
75°	2.7
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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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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Scaled Data Report



— 0°-180°

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Scaled Data Report



(END OF REPORT)