

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: P1192240

Luminaire Tested: **LDA6A40950D010TE LARH20SP 6LAL1LI**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1192240
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: LDA6A40950D010TE 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

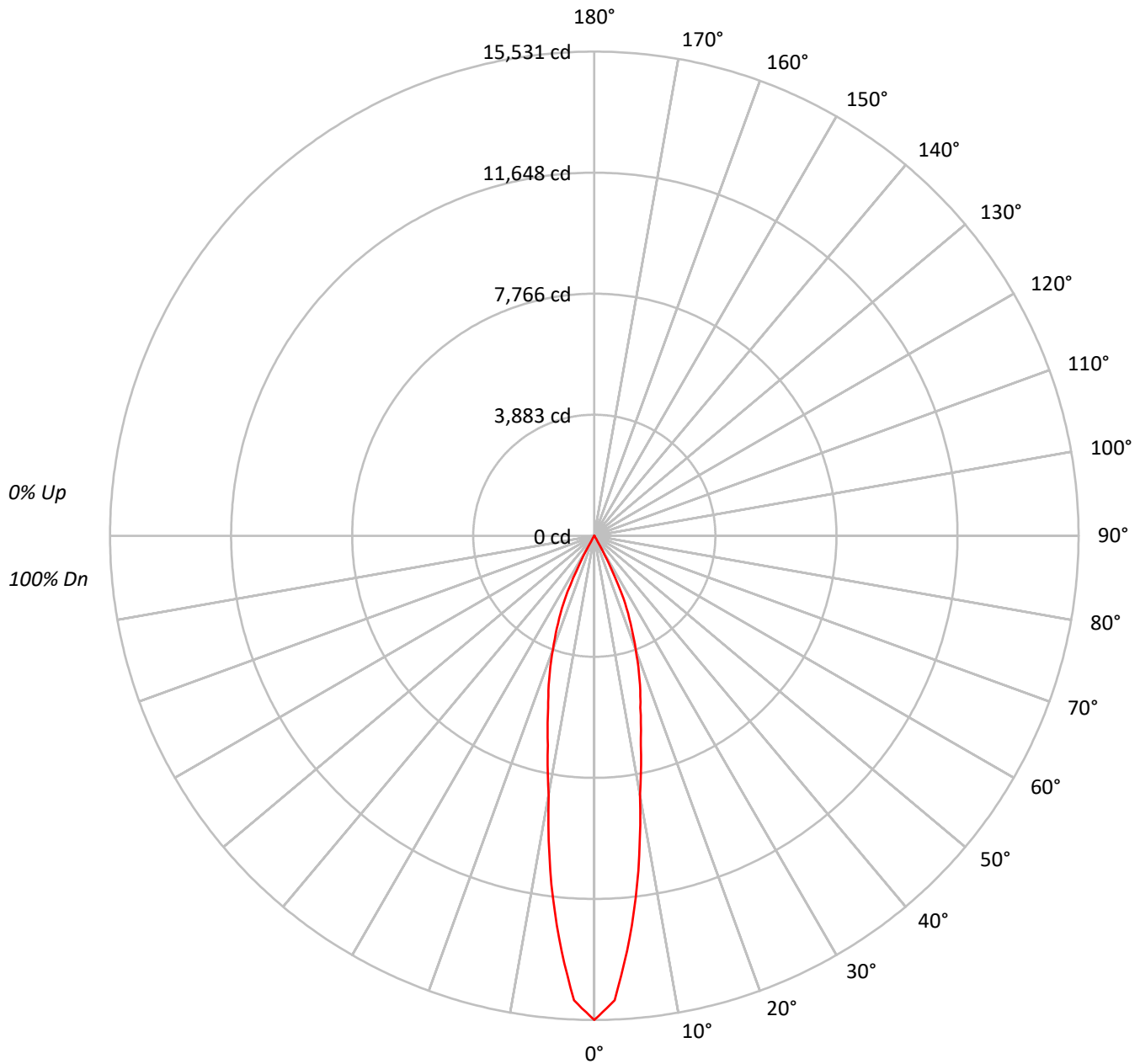
Lumens per Lamp: N/A
Luminaire Lumens: 3668.3 lumens
Efficiency: N/A
Efficacy: 73.7 lumens/watt
Spacing Criteria (0/90/45): 0.37 / 0.37 / 0.47
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1192240

CATALOG NUMBER: LDA6A40950D010TE LARH20SP 6LAL1LI

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1192240

CATALOG NUMBER: LDA6A40950D010TE LARH20SP 6LAL1LI

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°	851423
5°	713800
10°	469753
15°	324082
20°	225857
25°	134633
30°	13888
35°	1325
40°	809
45°	581
50°	571
55°	803
60°	822
65°	739
70°	593
75°	593
80°	631
85°	566



TEST NUMBER: P1192240

CATALOG NUMBER: LDA6A40950D010TE LARH20SP 6LAL1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1098.3	29.9
10°-20°	1607.2	43.8
20°-30°	913.8	24.9
30°-40°	26.2	0.7
40°-50°	6.3	0.2
50°-60°	7.1	0.2
60°-70°	5.6	0.2
70°-80°	3.0	0.1
80°-90°	0.8	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°	3619.4	98.7
0°-40°	3645.6	99.4
0°-60°	3658.9	99.7
0°-90°	3668.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3668.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15531	
5°	12971	###
15°	5710	1607
25°	2226	914
35°	20	26
45°	8	6
55°	8	7
65°	6	6
75°	3	3
85°	1	1
90°	0	



TEST NUMBER: P1192240

CATALOG NUMBER: LDA6A40950D010TE LARH20SP 6LAL1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	15531.2
2.5°	14912.7
5°	12971.2
7.5°	10839.6
10°	8438.8
12.5°	6884.3
15°	5710.3
17.5°	4824.2
20°	3871.5
22.5°	3038.3
25°	2225.8
27.5°	1031.9
30°	219.4
32.5°	27.2
35°	19.8
37.5°	15.1
40°	11.3
42.5°	9.5
45°	7.5
47.5°	6.7
50°	6.7
52.5°	7.5
55°	8.4
57.5°	8.4
60°	7.5
62.5°	6.7
65°	5.7
67.5°	4.7
70°	3.7
72.5°	3.7
75°	2.8
77.5°	2.0
80°	2.0
82.5°	0.9
85°	0.9
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

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



Classified

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)