

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: P1192529

Luminaire Tested: **LDA6A60930D010TE LARH20SP 6LAL1LI**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1192529
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: LDA6A60930D010TE LARH20SP 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 20° Spot
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

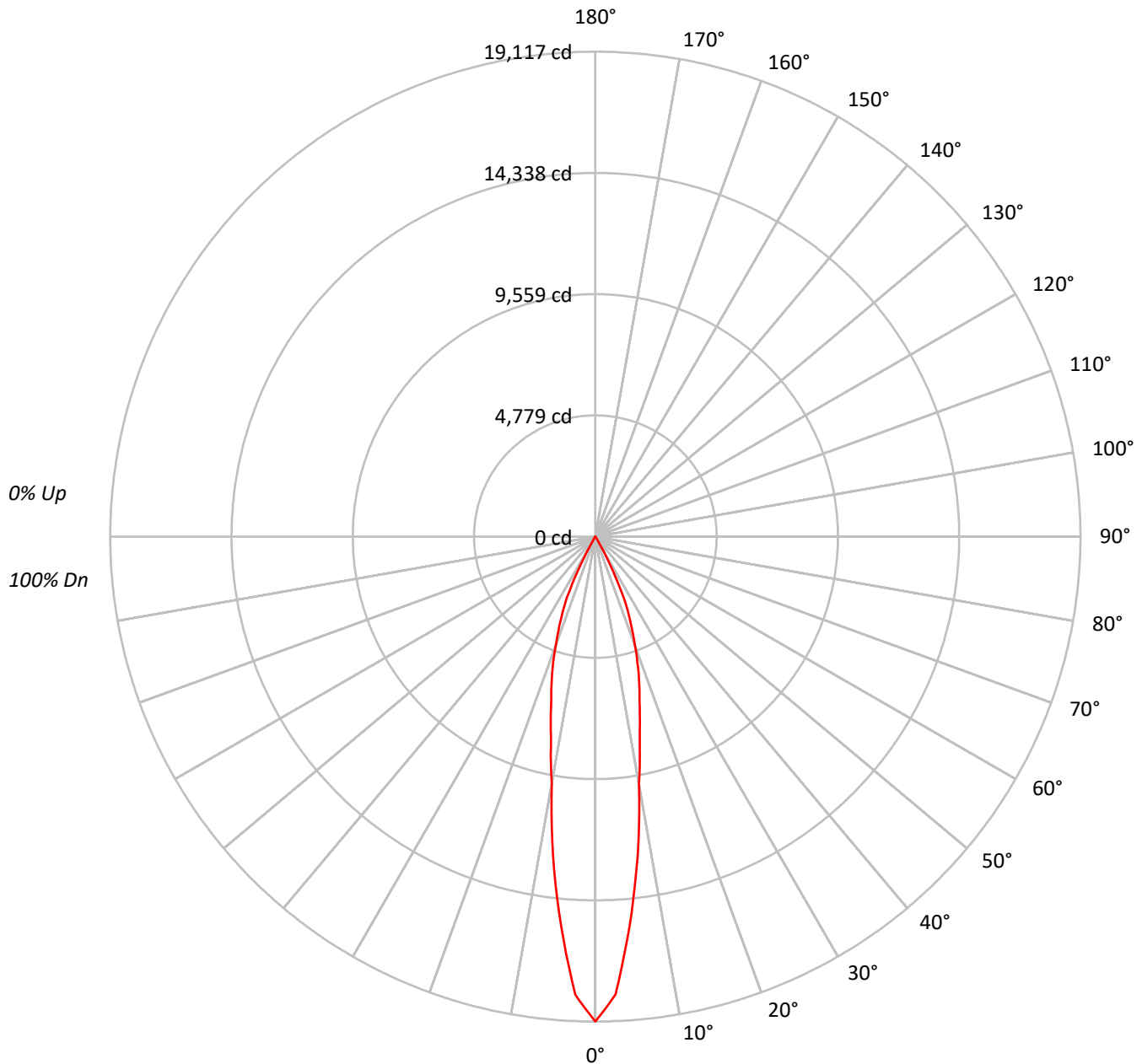
Lumens per Lamp: N/A
Luminaire Lumens: 4332.2 lumens
Efficiency: N/A
Efficacy: 60.3 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.45
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 71.8
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	103	99	96	106	101	98	95		99	96	94			96	94	92			94
4	104	98	94	91	102	97	94	91		95	92	90			93	91	89			92
5	101	94	90	87	99	94	90	87		92	89	86			91	88	85			89
6	97	91	87	84	96	90	86	83		89	85	83			88	85	82			87
7	95	88	84	80	93	87	83	80		86	83	80			85	82	80			84
8	92	85	81	78	91	84	80	78		83	80	77			83	79	77			82
9	89	82	78	75	88	82	78	75		81	77	75			80	77	75			80
10	87	80	75	73	86	79	75	73		79	75	72			78	75	72			77

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1048003
5°	848848
10°	550474
15°	381001
20°	266157
25°	159971
30°	16863
35°	1633
40°	973
45°	605
50°	580
55°	841
60°	965
65°	752
70°	625
75°	614
80°	600
85°	629



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1303.5	30.1
10°-20°	1888.3	43.6
20°-30°	1084.1	25.0
30°-40°	31.7	0.7
40°-50°	6.8	0.2
50°-60°	7.5	0.2
60°-70°	6.1	0.1
70°-80°	3.3	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°	4275.9	98.7
0°-40°	4307.7	99.4
0°-60°	4321.9	99.8
0°-90°	4332.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4332.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19117	
5°	15425	###
15°	6713	1888
25°	2645	1084
35°	24	32
45°	8	7
55°	9	7
65°	6	6
75°	3	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19117.1
2.5°	18072.9
5°	15425.3
7.5°	12736.6
10°	9888.9
12.5°	8070.7
15°	6713.2
17.5°	5677.8
20°	4562.3
22.5°	3576.7
25°	2644.7
27.5°	1252.1
30°	266.4
32.5°	33.1
35°	24.4
37.5°	17.5
40°	13.6
42.5°	10.7
45°	7.8
47.5°	6.8
50°	6.8
52.5°	7.8
55°	8.8
57.5°	8.8
60°	8.8
62.5°	7.8
65°	5.8
67.5°	4.9
70°	3.9
72.5°	3.9
75°	2.9
77.5°	2.9
80°	1.9
82.5°	1.0
85°	1.0
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

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1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



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Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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Scaled Data Report



— 0°-180°

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Scaled Data Report



(END OF REPORT)