

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: P1192546

Luminaire Tested: **LDA6A60935D010TE LARH20SP 6LAL1LI**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1192546
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: LDA6A60935D010TE LARH20SP 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 20° Spot
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

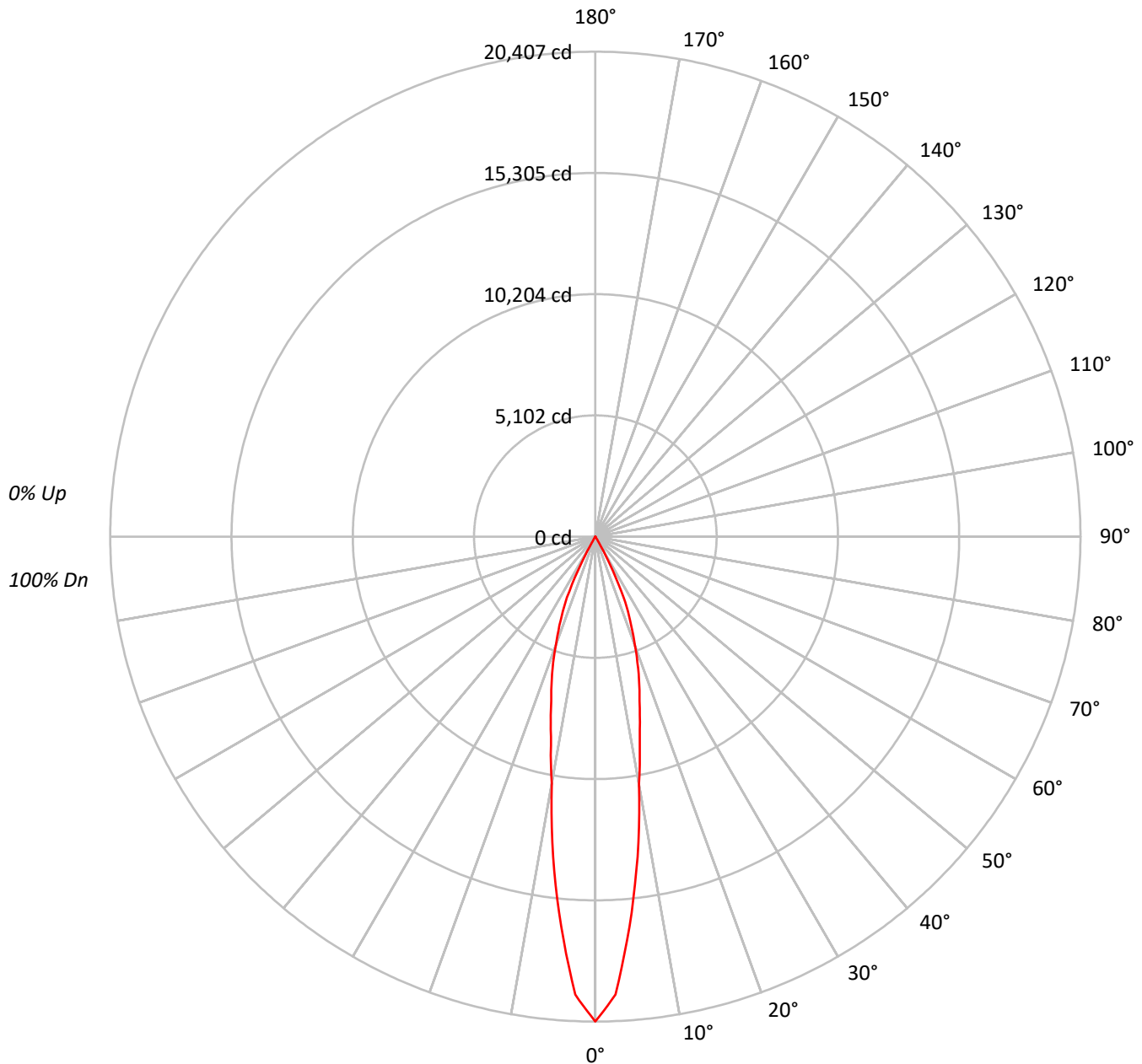
Lumens per Lamp: N/A
Luminaire Lumens: 4624.6 lumens
Efficiency: N/A
Efficacy: 64.4 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.45
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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



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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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96	96	96
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	93	93	93
3	107	103	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	90	90	90
4	104	98	94	91	102	97	93	91	95	92	90	93	91	89	92	89	88	86	86	86
5	101	94	90	87	99	94	90	87	92	89	86	91	88	85	89	87	85	83	83	83
6	97	91	87	84	96	90	86	83	89	85	83	88	85	82	87	84	82	81	81	81
7	95	88	84	80	93	87	83	80	86	83	80	85	82	80	84	81	79	78	78	78
8	92	85	81	78	91	84	80	78	83	80	77	83	79	77	82	79	77	76	76	76
9	89	82	78	75	88	82	78	75	81	77	75	80	77	75	80	77	74	73	73	73
10	87	80	75	73	86	79	75	73	79	75	72	78	75	72	77	74	72	71	71	71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1118710
5°	906111
10°	587614
15°	406711
20°	284114
25°	170768
30°	18003
35°	1747
40°	1045
45°	643
50°	623
55°	898
60°	1031
65°	804
70°	657
75°	678
80°	663
85°	692



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1391.4	30.1
10°-20°	2015.7	43.6
20°-30°	1157.3	25.0
30°-40°	33.9	0.7
40°-50°	7.3	0.2
50°-60°	8.0	0.2
60°-70°	6.5	0.1
70°-80°	3.6	0.1
80°-90°	0.9	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°	4564.4	98.7
0°-40°	4598.4	99.4
0°-60°	4613.6	99.8
0°-90°	4624.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4624.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20407	
5°	16466	###
15°	7166	2016
25°	2823	1157
35°	26	34
45°	8	7
55°	9	8
65°	6	7
75°	3	4
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	20406.9
2.5°	19292.2
5°	16465.9
7.5°	13595.8
10°	10556.1
12.5°	8615.3
15°	7166.2
17.5°	6060.9
20°	4870.1
22.5°	3818.0
25°	2823.2
27.5°	1336.5
30°	284.4
32.5°	35.5
35°	26.1
37.5°	18.8
40°	14.6
42.5°	11.5
45°	8.3
47.5°	7.3
50°	7.3
52.5°	8.3
55°	9.4
57.5°	9.4
60°	9.4
62.5°	8.3
65°	6.2
67.5°	5.2
70°	4.1
72.5°	4.1
75°	3.2
77.5°	3.2
80°	2.1
82.5°	1.1
85°	1.1
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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— 0°-180°

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(END OF REPORT)