

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: P1192592

Luminaire Tested: **LDA6A60950D010TE LARH40FL 6LFC1H**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1192592
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26683)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A60950D010TE LARH40FL 6LFC1H
Description: PORTFOLIO 6" Flat Cone, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

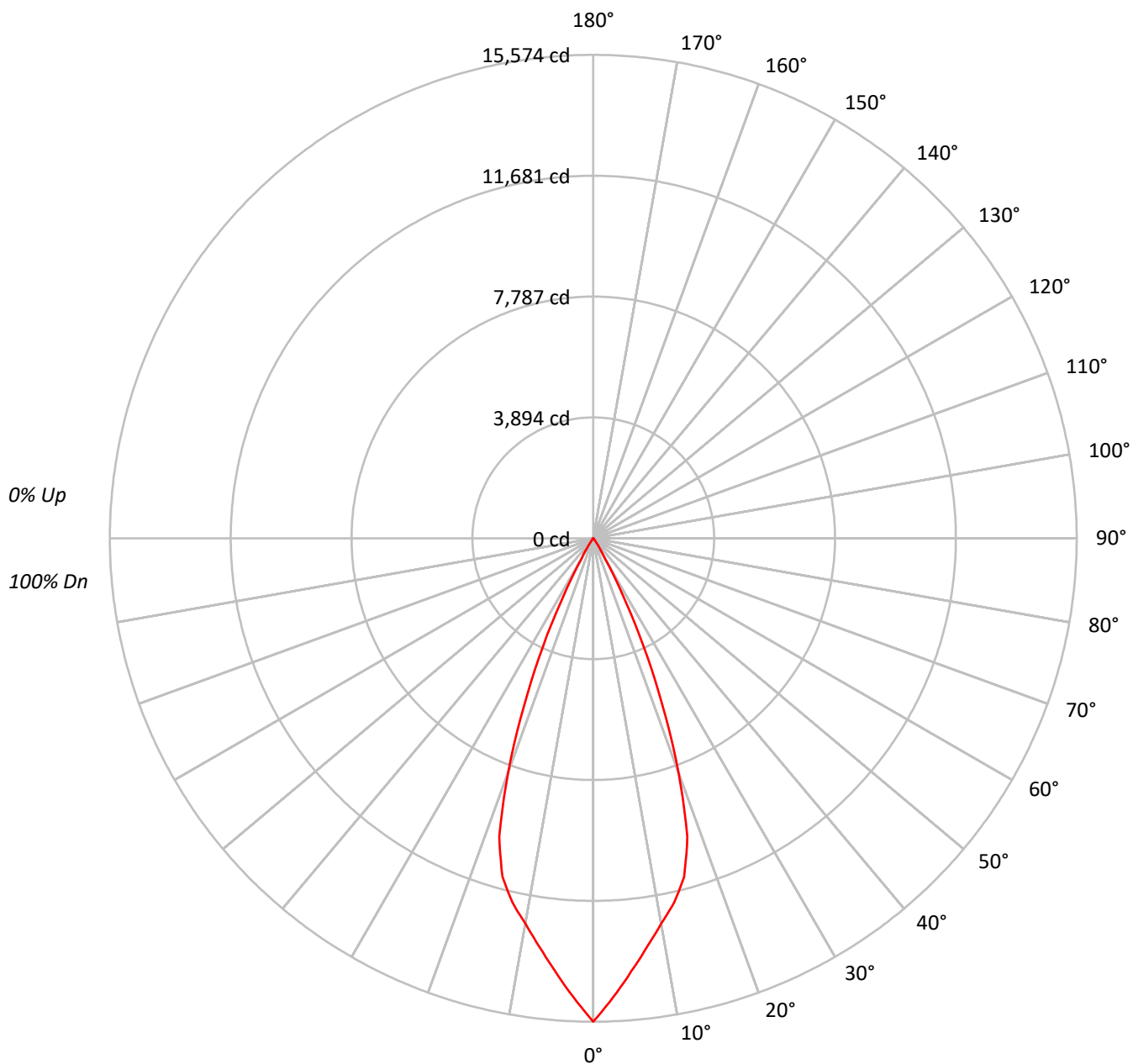
Lumens per Lamp: N/A
Luminaire Lumens: 6256.2 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.61
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				0			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						
1	115	112	110	108	112	110	108	107	106	105	104	103	101	100	99	98	98	96						
2	110	107	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92						
3	106	101	97	94	105	100	97	94	98	95	92	95	93	91	93	91	89	88						
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84						
5	99	93	88	85	98	92	88	84	90	86	84	89	85	83	87	84	82	81						
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78						
7	92	85	81	77	91	85	80	77	83	80	77	82	79	76	81	78	76	75						
8	89	82	77	74	88	81	77	74	80	77	74	80	76	73	79	76	73	72						
9	86	79	74	71	85	78	74	71	78	74	71	77	73	71	76	73	70	69						
10	84	76	72	69	83	76	71	68	75	71	68	74	71	68	74	70	68	67						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	853791
5°	770887
10°	701523
15°	641286
20°	468026
25°	230505
30°	49944
35°	9496
40°	2540
45°	1124
50°	657
55°	535
60°	493
65°	428
70°	353
75°	233
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1295.7	20.7
10°-20°	3035.3	48.5
20°-30°	1751.0	28.0
30°-40°	152.3	2.4
40°-50°	12.7	0.2
50°-60°	5.1	0.1
60°-70°	3.0	0.0
70°-80°	1.2	0.0
80°-90°	0.0	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°	6081.9	97.2
0°-40°	6234.2	99.6
0°-60°	6252.0	99.9
0°-90°	6256.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6256.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15574	
5°	14009	###
15°	11299	3035
25°	3811	1751
35°	142	152
45°	14	13
55°	6	5
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	15574.4
2.5°	14793.2
5°	14008.6
7.5°	13275.1
10°	12602.4
12.5°	12022.9
15°	11299.4
17.5°	10072.6
20°	8022.6
22.5°	5807.6
25°	3810.8
27.5°	1974.6
30°	789.0
32.5°	414.4
35°	141.9
37.5°	58.7
40°	35.5
42.5°	22.2
45°	14.5
47.5°	8.8
50°	7.7
52.5°	6.6
55°	5.6
57.5°	4.5
60°	4.5
62.5°	3.3
65°	3.3
67.5°	2.2
70°	2.2
72.5°	1.1
75°	1.1
77.5°	1.1
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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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)