

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: P1192173

Luminaire Tested: **LDA6A40927D010TE LARH20SP 6LFC1H**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P1192173
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26665)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A40927D010TE LARH20SP 6LFC1H
Description: PORTFOLIO 6" Flat Cone, Self-flanged, 20° Spot
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

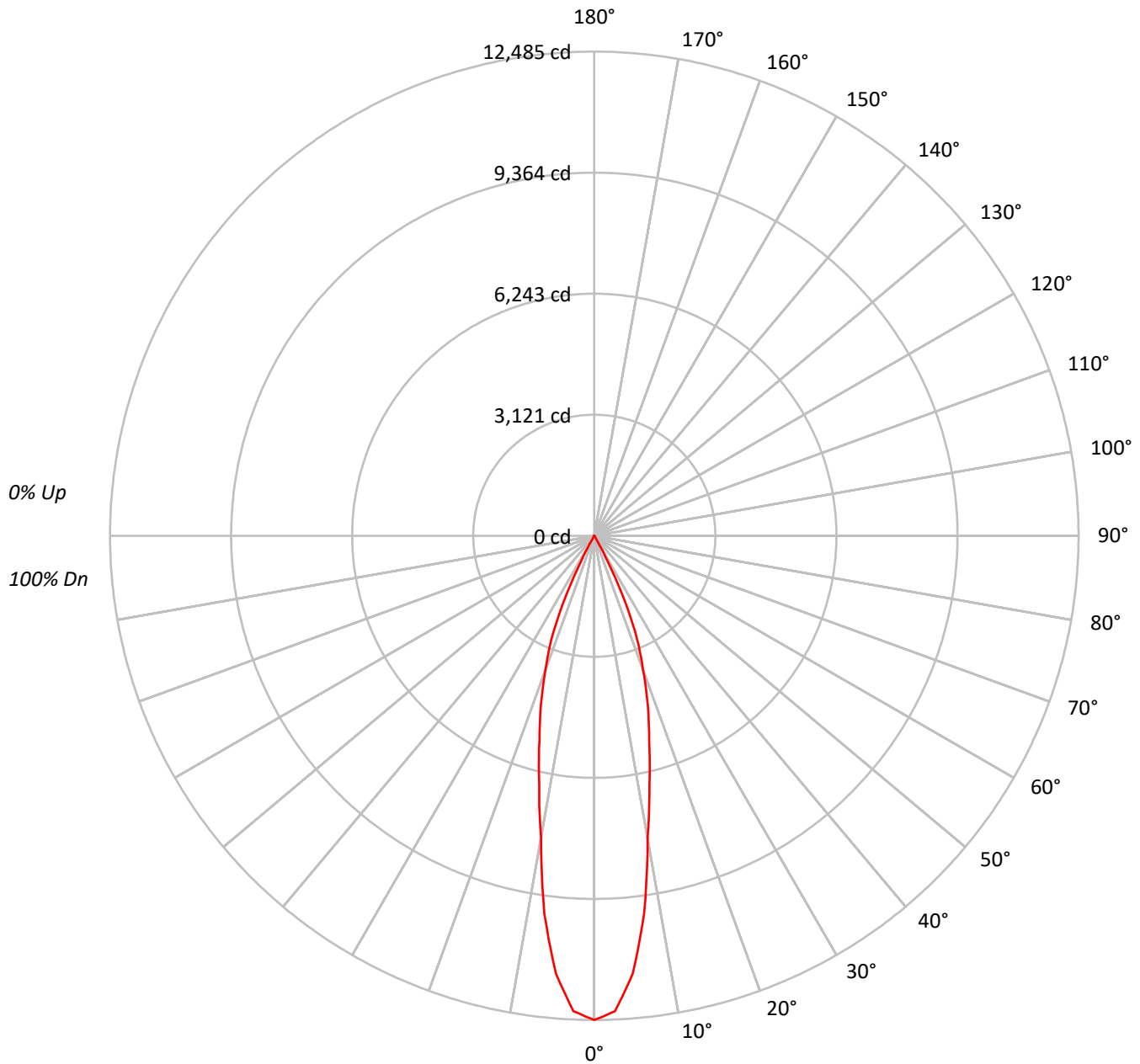
Lumens per Lamp: N/A
Luminaire Lumens: 3347.3 lumens
Efficiency: N/A
Efficacy: 67.2 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.51
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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





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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	684430
5°	623689
10°	440629
15°	310217
20°	214493
25°	114067
30°	7558
35°	1954
40°	1245
45°	915
50°	742
55°	535
60°	428
65°	415
70°	240
75°	169
80°	253
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	971.8	29.0
10°-20°	1528.6	45.7
20°-30°	804.1	24.0
30°-40°	24.2	0.7
40°-50°	9.3	0.3
50°-60°	5.1	0.2
60°-70°	2.8	0.1
70°-80°	1.1	0.0
80°-90°	0.3	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°	3304.5	98.7
0°-40°	3328.6	99.4
0°-60°	3343.1	99.9
0°-90°	3347.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3347.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12485	
5°	11334	972
15°	5466	1529
25°	1886	804
35°	29	24
45°	12	9
55°	6	5
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12485.0
2.5°	12270.7
5°	11333.7
7.5°	9839.3
10°	7915.6
12.5°	6566.7
15°	5466.0
17.5°	4582.9
20°	3676.7
22.5°	2887.6
25°	1885.8
27.5°	729.0
30°	119.4
32.5°	40.3
35°	29.2
37.5°	22.1
40°	17.4
42.5°	14.2
45°	11.8
47.5°	9.5
50°	8.7
52.5°	6.3
55°	5.6
57.5°	4.7
60°	3.9
62.5°	3.2
65°	3.2
67.5°	2.4
70°	1.5
72.5°	1.5
75°	0.8
77.5°	0.8
80°	0.8
82.5°	0.8
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



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)