

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: P1192773

Luminaire Tested: **LDA6A75927D010TE LARH30NF 6LFC1H**

Issue Date: 3/3/2020

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

**Test Information**

Test Method: LM-41-14
Report Number: P1192773
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26682)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A75927D010TE LARH30NF 6LFC1H
Description: PORTFOLIO 6" Flat Cone, Self-flanged, 30° Narrow Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

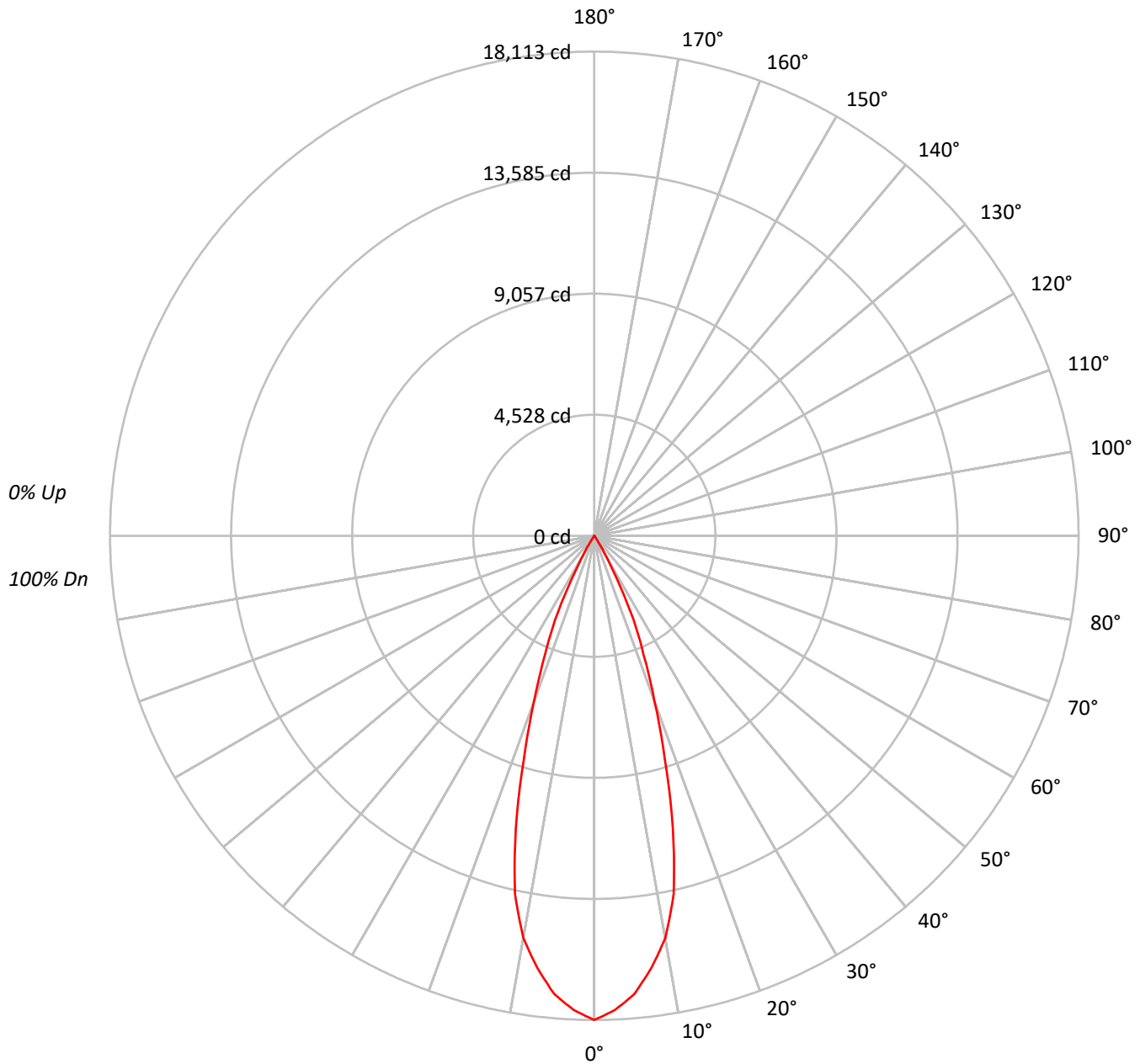
Lumens per Lamp: N/A
Luminaire Lumens: 6267.9 lumens
Efficiency: N/A
Efficacy: 72.1 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.55
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 86.9
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	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	92						
3	107	102	98	95	105	101	97	95	98	95	93	96	94	92	94	92	90	89						
4	103	98	94	90	102	97	93	90	95	91	89	93	90	88	91	89	87	86						
5	100	94	89	86	99	93	89	86	91	88	85	90	87	84	88	86	84	83						
6	97	90	86	83	96	89	85	82	88	84	82	87	84	81	86	83	81	80						
7	94	87	82	79	93	86	82	79	85	81	79	84	81	78	83	80	78	77						
8	91	84	79	76	90	83	79	76	82	79	76	81	78	76	81	78	75	74						
9	88	81	77	74	87	80	76	73	80	76	73	79	75	73	78	75	73	72						
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	70						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	992974
5°	947103
10°	850669
15°	644283
20°	383237
25°	209401
30°	47634
35°	4511
40°	1832
45°	907
50°	597
55°	545
60°	373
65°	441
70°	369
75°	233
80°	347
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1579.4	25.2
10°-20°	3040.0	48.5
20°-30°	1511.9	24.1
30°-40°	116.9	1.9
40°-50°	10.4	0.2
50°-60°	4.8	0.1
60°-70°	3.0	0.0
70°-80°	1.3	0.0
80°-90°	0.1	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°	6131.4	97.8
0°-40°	6248.3	99.7
0°-60°	6263.5	99.9
0°-90°	6267.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6267.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18113	
5°	17211	###
15°	11352	3040
25°	3462	1512
35°	67	117
45°	12	10
55°	6	5
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	18113.3
2.5°	17755.1
5°	17210.8
7.5°	16305.0
10°	15281.7
12.5°	13725.6
15°	11352.2
17.5°	8767.0
20°	6569.2
22.5°	4819.0
25°	3461.9
27.5°	1814.2
30°	752.5
32.5°	298.8
35°	67.4
37.5°	39.5
40°	25.6
42.5°	17.4
45°	11.7
47.5°	9.3
50°	7.0
52.5°	5.7
55°	5.7
57.5°	4.7
60°	3.4
62.5°	3.4
65°	3.4
67.5°	2.3
70°	2.3
72.5°	1.1
75°	1.1
77.5°	1.1
80°	1.1
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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Scaled Data Report



— 0°-180°

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Scaled Data Report



(END OF REPORT)