

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: P1192790

Luminaire Tested: **LDA6A75930D010TE 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: P1192790
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: LDA6A75930D010TE LARH30NF 6LFC1H
Description: PORTFOLIO 6" Flat Cone, Self-flanged, 30° Narrow Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

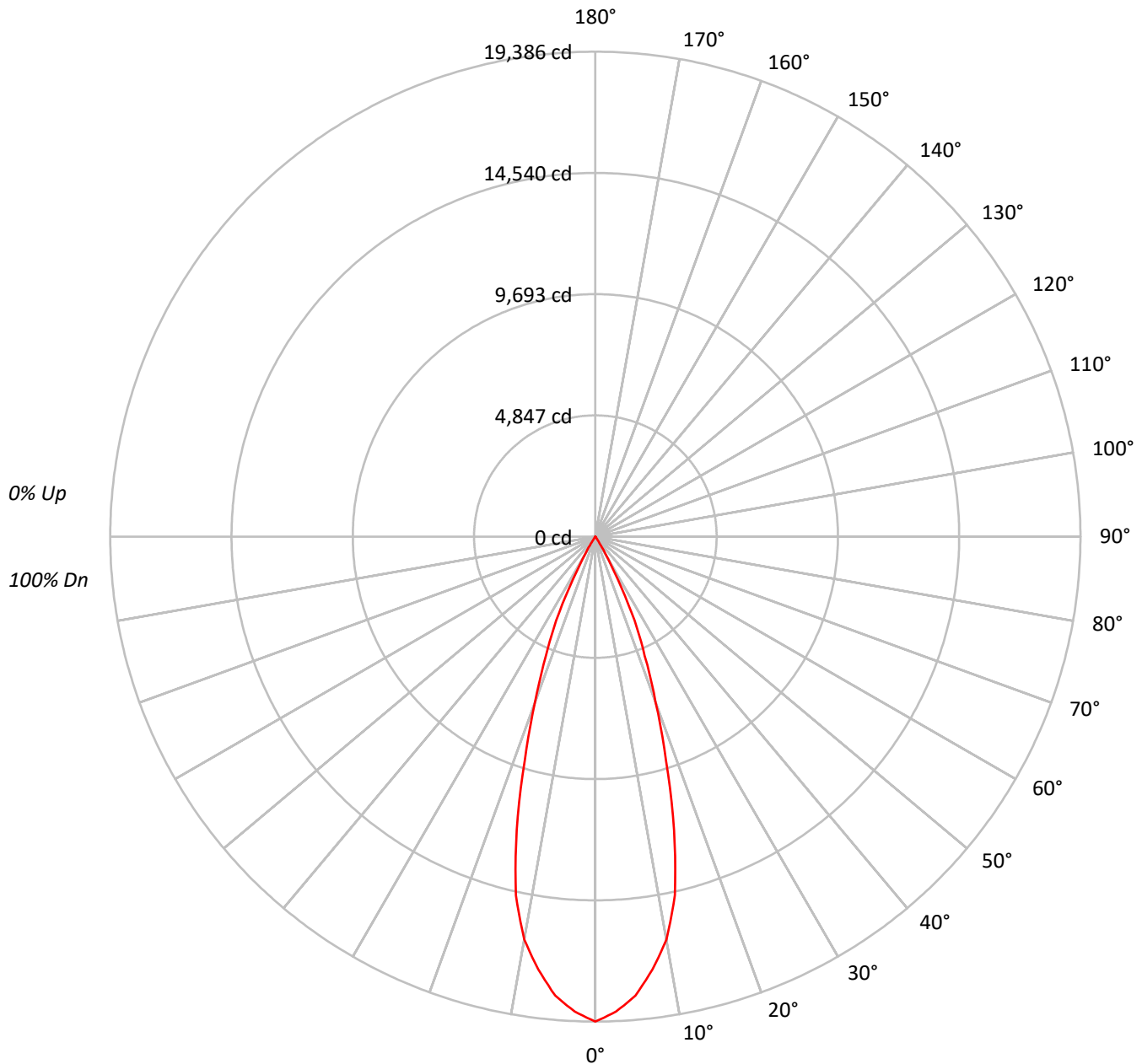
Lumens per Lamp: N/A
Luminaire Lumens: 6708.5 lumens
Efficiency: N/A
Efficacy: 77.2 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.55
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1062744
5°	1013661
10°	910443
15°	689550
20°	410171
25°	224124
30°	50976
35°	4839
40°	1961
45°	961
50°	640
55°	593
60°	406
65°	480
70°	401
75°	254
80°	379
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1690.4	25.2
10°-20°	3253.7	48.5
20°-30°	1618.2	24.1
30°-40°	125.1	1.9
40°-50°	11.1	0.2
50°-60°	5.1	0.1
60°-70°	3.2	0.0
70°-80°	1.4	0.0
80°-90°	0.2	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°	6562.3	97.8
0°-40°	6687.5	99.7
0°-60°	6703.7	99.9
0°-90°	6708.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6708.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19386	
5°	18420	###
15°	12150	3254
25°	3705	1618
35°	72	125
45°	12	11
55°	6	5
65°	4	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	19386.0
2.5°	19002.8
5°	18420.3
7.5°	17450.8
10°	16355.5
12.5°	14690.2
15°	12149.8
17.5°	9383.2
20°	7030.9
22.5°	5157.7
25°	3705.3
27.5°	1941.6
30°	805.3
32.5°	319.8
35°	72.3
37.5°	42.3
40°	27.4
42.5°	18.6
45°	12.4
47.5°	9.9
50°	7.5
52.5°	6.2
55°	6.2
57.5°	5.0
60°	3.7
62.5°	3.7
65°	3.7
67.5°	2.5
70°	2.5
72.5°	1.2
75°	1.2
77.5°	1.2
80°	1.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Classified

Scaled Data Report

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Report Generated By 670245859 / DESKTOP-T8S5UU9

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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)