

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: P179703

Luminaire Tested: **LDA6A55840D010TE LARH30NF 6LA1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179703
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26623)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A55840D010TE LARH30NF 6LA1LI
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, Self-flanged, 30°
Narrow Flood
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5660.0 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.57 / 0.55
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

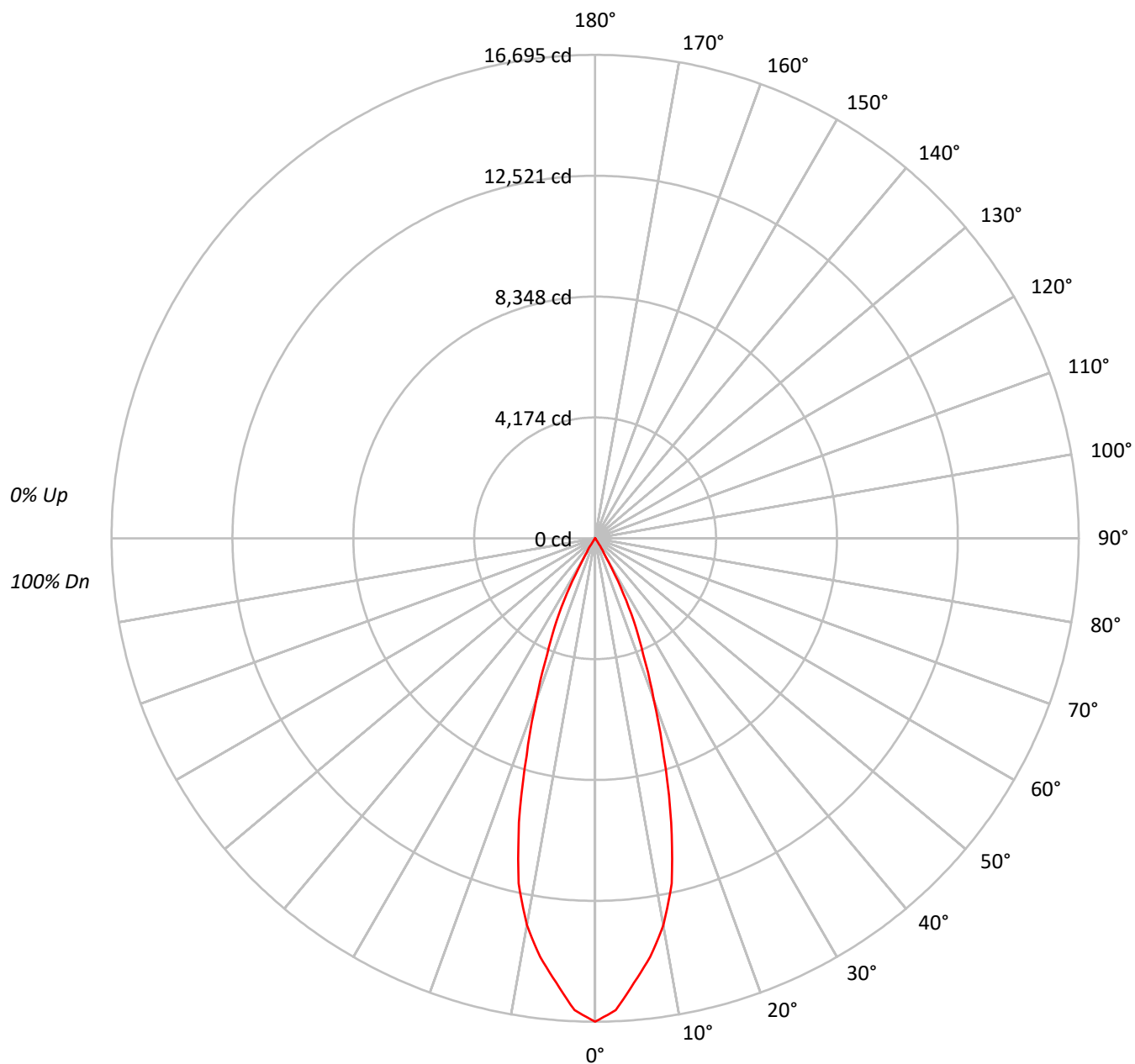
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P179703

CATALOG NUMBER: LDA6A55840D010TE LARH30NF 6LA1LI

Luminous Intensity Polar Plot





TEST NUMBER: P179703

CATALOG NUMBER: LDA6A55840D010TE LARH30NF 6LA1LI

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	82	95	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	78	76		81	78	75		80
9	88	81	76	73	87	80	76	73	80	76	73		79	75	73		78
10	85	78	74	71	84	78	74	71	77	73	71		76	73	70		76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	915201
5°	847703
10°	755180
15°	576263
20°	345480
25°	190402
30°	47102
35°	3641
40°	1031
45°	395
50°	179
55°	201
60°	230
65°	130
70°	160
75°	212
80°	316
85°	0



TEST NUMBER: P179703

CATALOG NUMBER: LDA6A55840D010TE LARH30NF 6LA1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1417.2	25.0
10°-20°	2716.9	48.0
20°-30°	1403.1	24.8
30°-40°	113.7	2.0
40°-50°	4.7	0.1
50°-60°	1.9	0.0
60°-70°	1.4	0.0
70°-80°	1.1	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°	5537.2	97.8
0°-40°	5650.9	99.8
0°-60°	5657.4	100.0
0°-90°	5660.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5660.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16695	
5°	15404	###
15°	10154	2717
25°	3148	1403
35°	54	114
45°	5	5
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P179703

CATALOG NUMBER: LDA6A55840D010TE LARH30NF 6LA1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	16694.6
2.5°	16313.8
5°	15404.5
7.5°	14576.2
10°	13566.3
12.5°	12208.4
15°	10153.7
17.5°	7872.1
20°	5922.0
22.5°	4341.5
25°	3147.8
27.5°	1895.7
30°	744.1
32.5°	316.1
35°	54.4
37.5°	26.7
40°	14.4
42.5°	8.2
45°	5.1
47.5°	3.1
50°	2.1
52.5°	2.1
55°	2.1
57.5°	2.1
60°	2.1
62.5°	2.1
65°	1.0
67.5°	1.0
70°	1.0
72.5°	1.0
75°	1.0
77.5°	1.0
80°	1.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)