

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: P179751

Luminaire Tested: **LDA6A55840D010TE LARH30NF 6LAL1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179751
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26679)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A55840D010TE LARH30NF 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, 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: 5066.8 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.51
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

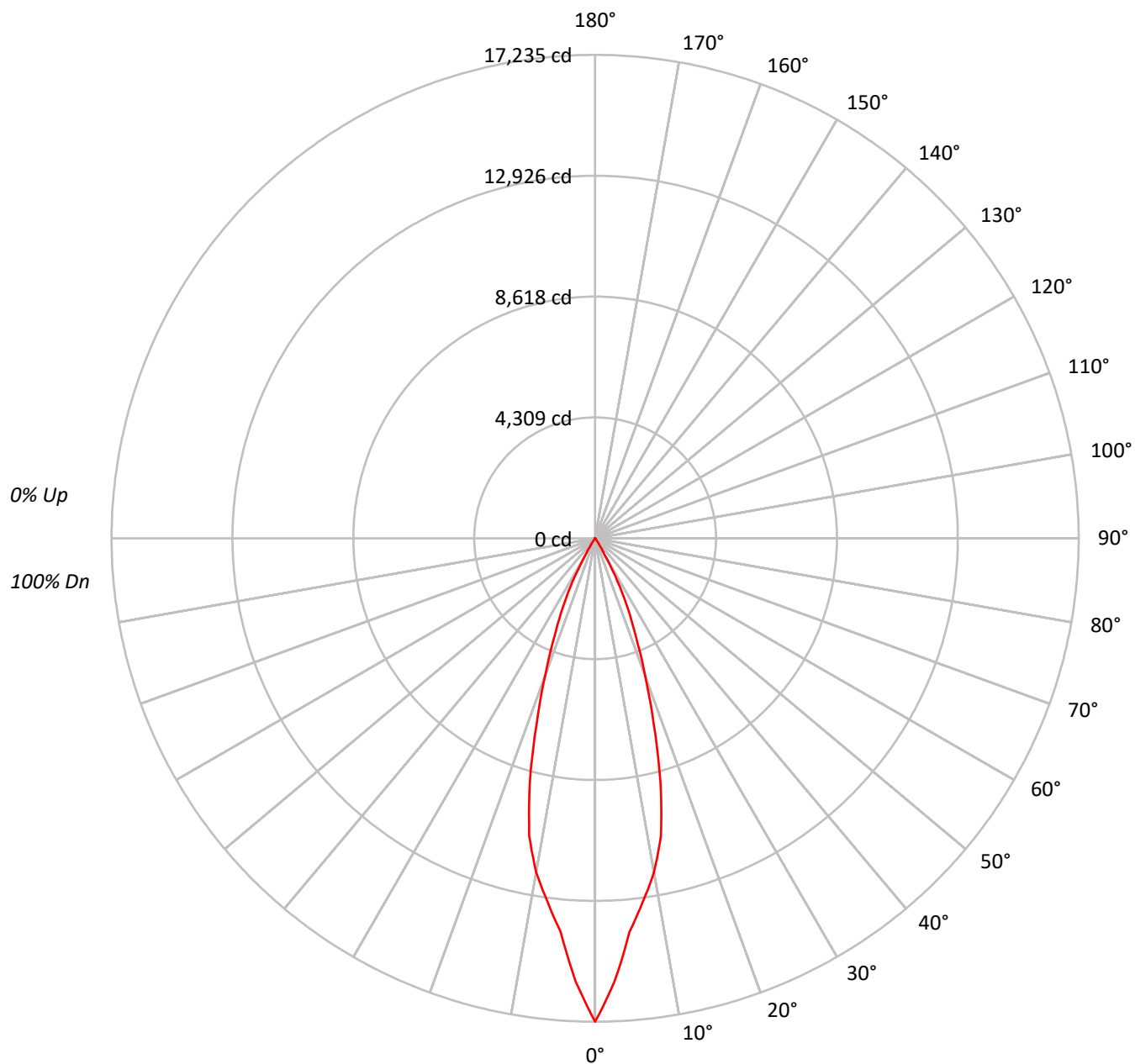
Input Watts (W): 61
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P179751

CATALOG NUMBER: LDA6A55840D010TE LARH30NF 6LAL1LI

Luminous Intensity Polar Plot





TEST NUMBER: P179751

CATALOG NUMBER: LDA6A55840D010TE LARH30NF 6LAL1LI

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	102	100	102	100	98		99	97	96		97
3	107	102	98	95	105	101	97	94	98	95	93		96	94	92		94
4	103	98	93	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	71		76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	944831
5°	775213
10°	672933
15°	509702
20°	302922
25°	165016
30°	42620
35°	3982
40°	1689
45°	876
50°	435
55°	688
60°	680
65°	532
70°	497
75°	445
80°	316
85°	0



TEST NUMBER: P179751

CATALOG NUMBER: LDA6A55840D010TE LARH30NF 6LAL1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1296.3	25.6
10°-20°	2405.3	47.5
20°-30°	1234.3	24.4
30°-40°	108.4	2.1
40°-50°	9.5	0.2
50°-60°	5.9	0.1
60°-70°	4.2	0.1
70°-80°	2.5	0.0
80°-90°	0.4	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°	4935.9	97.4
0°-40°	5044.3	99.6
0°-60°	5059.8	99.9
0°-90°	5066.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5066.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17235	
5°	14087	###
15°	8981	2405
25°	2728	1234
35°	60	108
45°	11	10
55°	7	6
65°	4	4
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P179751

CATALOG NUMBER: LDA6A55840D010TE LARH30NF 6LAL1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	17235.1
2.5°	15817.7
5°	14087.2
7.5°	13057.7
10°	12088.8
12.5°	10854.1
15°	8980.9
17.5°	6944.5
20°	5192.5
22.5°	3792.5
25°	2728.1
27.5°	1724.3
30°	673.3
32.5°	295.6
35°	59.5
37.5°	33.9
40°	23.6
42.5°	16.4
45°	11.3
47.5°	8.2
50°	5.1
52.5°	6.2
55°	7.2
57.5°	7.2
60°	6.2
62.5°	5.1
65°	4.1
67.5°	3.1
70°	3.1
72.5°	3.1
75°	2.1
77.5°	2.1
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)