

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: P179760

Luminaire Tested: **LDA6A65927D010TE LARH30NF 6LAL1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179760
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: LDA6A65927D010TE LARH30NF 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, 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: 4408.0 lumens
Efficiency: N/A
Efficacy: 56.5 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

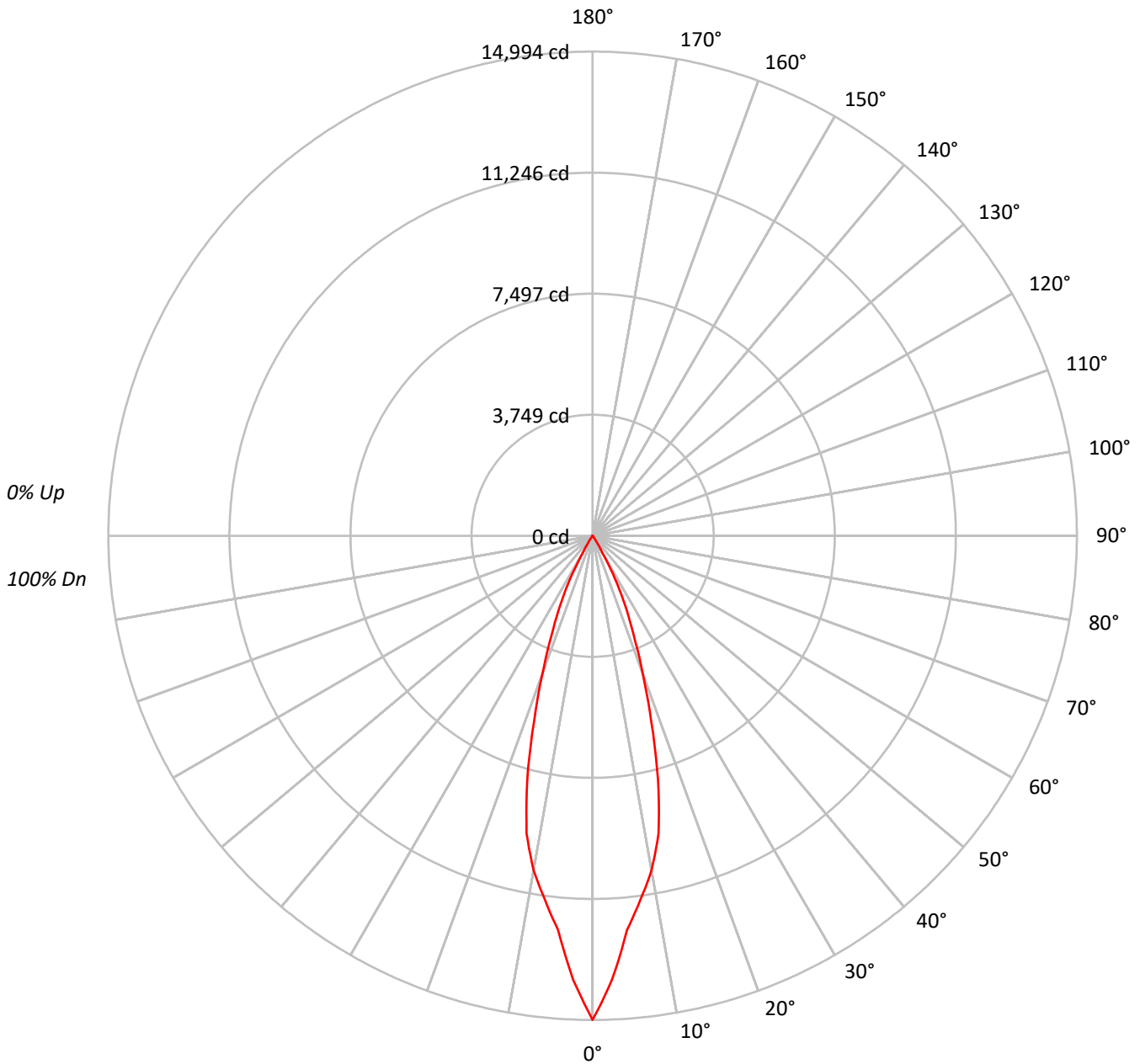
Input Watts (W): 78
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P179760

CATALOG NUMBER: LDA6A65927D010TE LARH30NF 6LAL1LI

Luminous Intensity Polar Plot





TEST NUMBER: P179760

CATALOG NUMBER: LDA6A65927D010TE LARH30NF 6LAL1LI

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	102	100	102	100	98	99	97	96	97	95	94	92			
3	107	102	98	95	105	101	97	94	98	95	93	96	94	92	94	92	90	89			
4	103	98	93	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	82			
6	97	90	86	82	95	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	78	76	81	78	75	80	77	75	74			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72			
10	85	78	74	71	84	78	74	71	77	73	71	76	73	71	76	73	70	69			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	821963
5°	674404
10°	585427
15°	443419
20°	263532
25°	143561
30°	37082
35°	3467
40°	1467
45°	760
50°	384
55°	602
60°	592
65°	467
70°	433
75°	381
80°	284
85°	0



TEST NUMBER: P179760

CATALOG NUMBER: LDA6A65927D010TE LARH30NF 6LAL1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1127.7	25.6
10°-20°	2092.5	47.5
20°-30°	1073.8	24.4
30°-40°	94.4	2.1
40°-50°	8.3	0.2
50°-60°	5.2	0.1
60°-70°	3.7	0.1
70°-80°	2.1	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°	4294.0	97.4
0°-40°	4388.4	99.6
0°-60°	4401.8	99.9
0°-90°	4408.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4408.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14994	
5°	12255	###
15°	7813	2092
25°	2373	1074
35°	52	94
45°	10	8
55°	6	5
65°	4	4
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P179760

CATALOG NUMBER: LDA6A65927D010TE LARH30NF 6LAL1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	14993.8
2.5°	13760.7
5°	12255.3
7.5°	11359.7
10°	10516.8
12.5°	9442.6
15°	7813.0
17.5°	6041.5
20°	4517.3
22.5°	3299.3
25°	2373.4
27.5°	1500.1
30°	585.8
32.5°	257.2
35°	51.8
37.5°	29.5
40°	20.5
42.5°	14.3
45°	9.8
47.5°	7.1
50°	4.5
52.5°	5.4
55°	6.3
57.5°	6.3
60°	5.4
62.5°	4.5
65°	3.6
67.5°	2.7
70°	2.7
72.5°	2.7
75°	1.8
77.5°	1.8
80°	0.9
82.5°	0.9
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)