

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: P179560

Luminaire Tested: **LDA6A45927D010TE LARH30NF 6LA1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179560
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26641)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A45927D010TE LARH30NF 6LA1LI
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, Self-flanged, 30°
Narrow Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

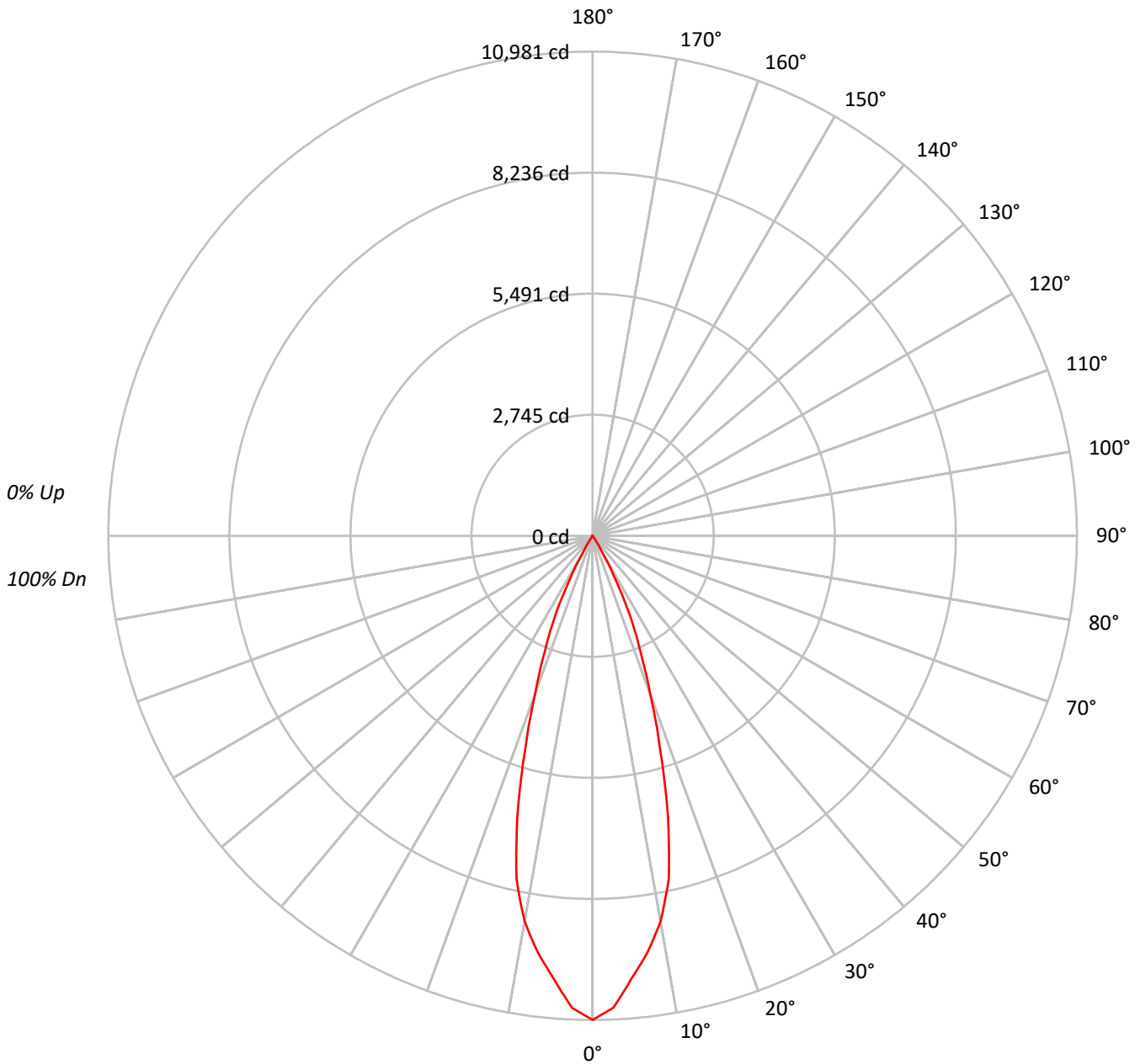
Lumens per Lamp: N/A
Luminaire Lumens: 3666.1 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.55
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 53
Input Voltage (V): NR
Input Current (A_{in}): 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: P179560
CATALOG NUMBER: LDA6A45927D010TE LARH30NF 6LA1LI

Luminous Intensity Polar Plot





TEST NUMBER: P179560

CATALOG NUMBER: LDA6A45927D010TE LARH30NF 6LA1LI

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	107	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	93			
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	89			
4	103	98	94	90	102	97	93	90	95	92	89	93	90	88	91	89	87	86			
5	100	94	89	86	99	93	89	86	91	88	85	90	87	85	88	86	84	83			
6	97	90	86	83	96	90	85	82	88	85	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	81	76	74	80	76	73	79	76	73	78	75	73	72			
10	85	78	74	71	85	78	74	71	77	73	71	77	73	71	76	73	71	70			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	601975
5°	555050
10°	494051
15°	374128
20°	222818
25°	122807
30°	29188
35°	2108
40°	608
45°	178
50°	68
55°	76
60°	88
65°	104
70°	128
75°	0
80°	0
85°	0



TEST NUMBER: P179560

CATALOG NUMBER: LDA6A45927D010TE LARH30NF 6LA1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	927.9	25.3
10°-20°	1766.0	48.2
20°-30°	898.8	24.5
30°-40°	69.1	1.9
40°-50°	2.5	0.1
50°-60°	0.7	0.0
60°-70°	0.8	0.0
70°-80°	0.3	0.0
80°-90°	0.0	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°	3592.7	98.0
0°-40°	3661.8	99.9
0°-60°	3665.0	100.0
0°-90°	3666.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3666.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10981	
5°	10086	928
15°	6592	1766
25°	2030	899
35°	32	69
45°	2	2
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P179560

CATALOG NUMBER: LDA6A45927D010TE LARH30NF 6LA1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	10980.9
2.5°	10715.0
5°	10086.4
7.5°	9530.8
10°	8875.3
12.5°	7971.5
15°	6592.1
17.5°	5095.1
20°	3819.4
22.5°	2815.7
25°	2030.3
27.5°	1171.2
30°	461.1
32.5°	189.8
35°	31.5
37.5°	16.1
40°	8.5
42.5°	4.6
45°	2.3
47.5°	1.5
50°	0.8
52.5°	0.8
55°	0.8
57.5°	0.8
60°	0.8
62.5°	0.8
65°	0.8
67.5°	0.8
70°	0.8
72.5°	0.8
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)