

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: P179580

Luminaire Tested: **LDA6A45827D010TE LARH30NF 6LAL1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179580
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26663)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A45827D010TE LARH30NF 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 30° Narrow Flood
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3948.8 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.52
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

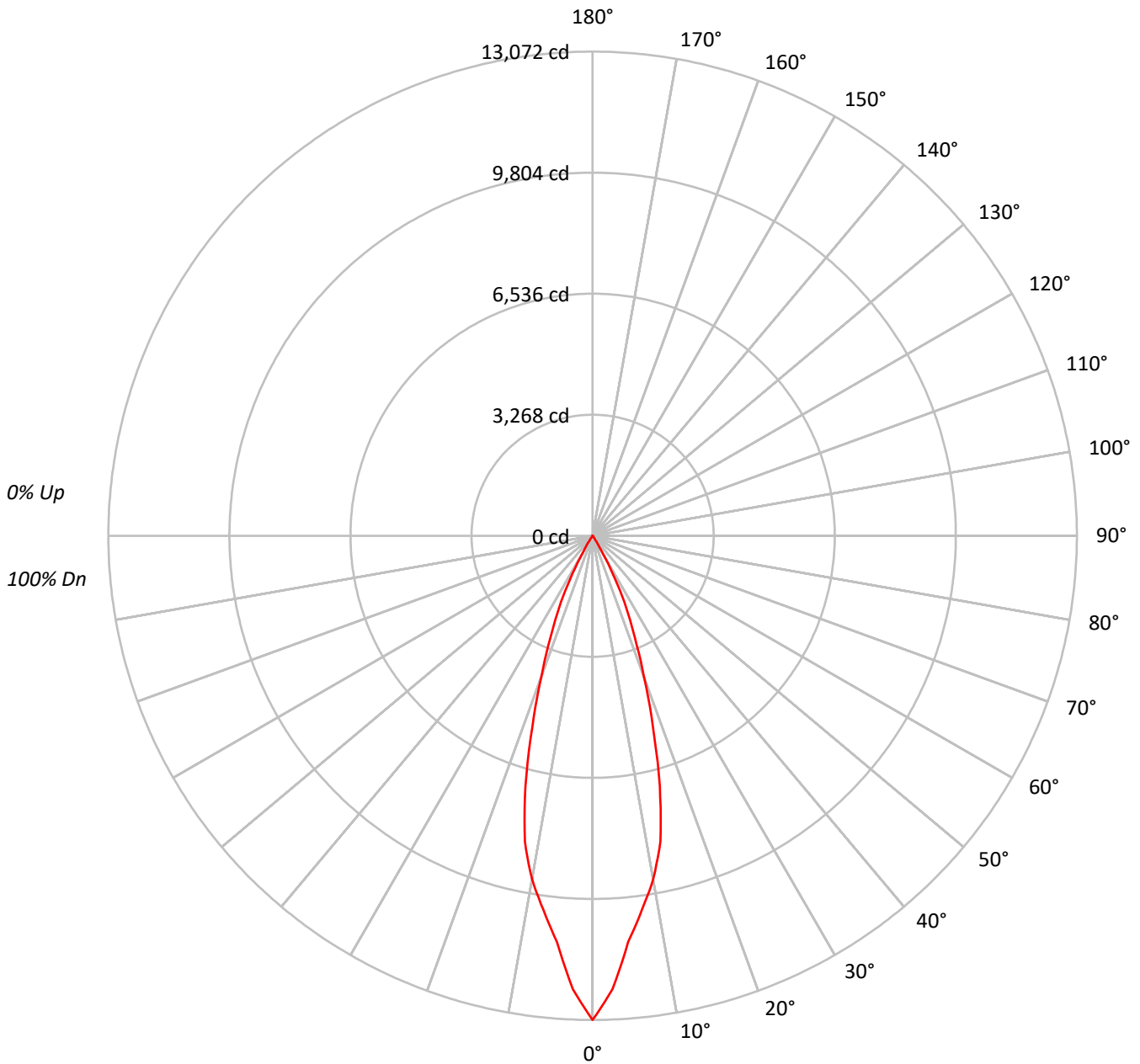
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20																	
RC	80									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	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	79																											
7	94	87	82	79	92	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	70	76	73	70	69																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	716609
5°	605936
10°	524178
15°	397460
20°	236475
25°	129727
30°	33436
35°	2985
40°	1238
45°	705
50°	392
55°	612
60°	603
65°	467
70°	433
75°	381
80°	284
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1009.4	25.6
10°-20°	1874.0	47.5
20°-30°	963.0	24.4
30°-40°	84.0	2.1
40°-50°	7.4	0.2
50°-60°	5.0	0.1
60°-70°	3.7	0.1
70°-80°	1.9	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°	3846.3	97.4
0°-40°	3930.3	99.5
0°-60°	3942.8	99.8
0°-90°	3948.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3948.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13072	
5°	11011	###
15°	7003	1874
25°	2145	963
35°	45	84
45°	9	7
55°	6	5
65°	4	4
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13072.0
2.5°	12252.4
5°	11011.1
7.5°	10188.8
10°	9416.5
12.5°	8453.0
15°	7003.2
17.5°	5404.0
20°	4053.5
22.5°	2968.8
25°	2144.7
27.5°	1319.6
30°	528.2
32.5°	228.6
35°	44.6
37.5°	25.5
40°	17.3
42.5°	12.7
45°	9.1
47.5°	6.4
50°	4.6
52.5°	5.5
55°	6.4
57.5°	5.5
60°	5.5
62.5°	4.6
65°	3.6
67.5°	2.7
70°	2.7
72.5°	1.8
75°	1.8
77.5°	1.8
80°	0.9
82.5°	0.9
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)