

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: P179586

Luminaire Tested: **LDA6A45935D010TE LARH30NF 6LAL1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179586
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: LDA6A45935D010TE LARH30NF 6LAL1LI
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 30° Narrow Flood
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3674.2 lumens
Efficiency: N/A
Efficacy: 69.3 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

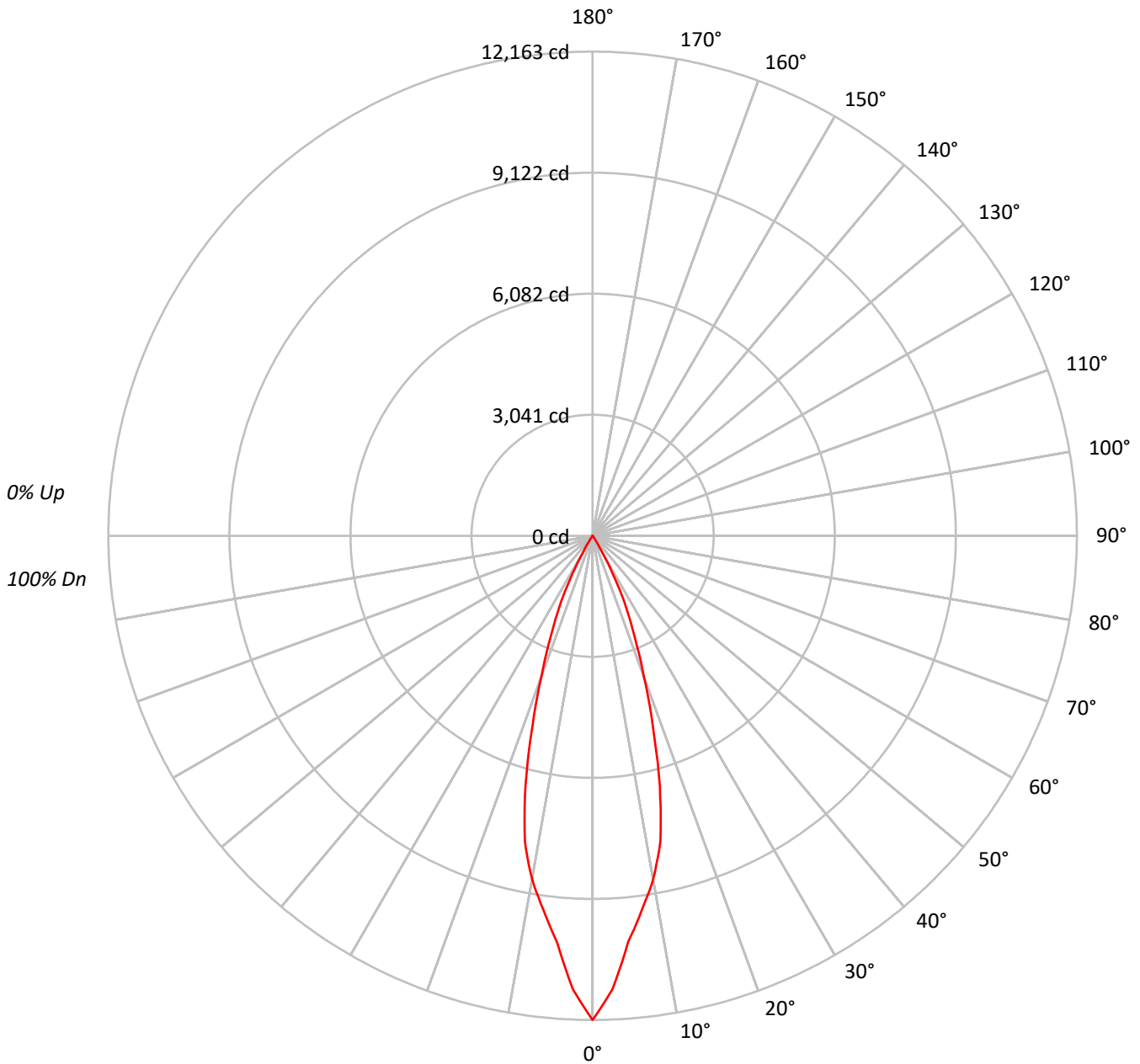
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	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°	666789
5°	563811
10°	487739
15°	369826
20°	220035
25°	120709
30°	31112
35°	2777
40°	1152
45°	659
50°	358
55°	564
60°	559
65°	441
70°	401
75°	360
80°	253
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	939.2	25.6
10°-20°	1743.7	47.5
20°-30°	896.0	24.4
30°-40°	78.1	2.1
40°-50°	6.9	0.2
50°-60°	4.7	0.1
60°-70°	3.4	0.1
70°-80°	1.8	0.0
80°-90°	0.3	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°	3578.9	97.4
0°-40°	3657.1	99.5
0°-60°	3668.6	99.8
0°-90°	3674.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3674.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12163	
5°	10246	939
15°	6516	1744
25°	1996	896
35°	42	78
45°	8	7
55°	6	5
65°	3	3
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12163.2
2.5°	11400.6
5°	10245.6
7.5°	9480.4
10°	8761.9
12.5°	7865.3
15°	6516.3
17.5°	5028.3
20°	3771.7
22.5°	2762.4
25°	1995.6
27.5°	1227.8
30°	491.5
32.5°	212.7
35°	41.5
37.5°	23.7
40°	16.1
42.5°	11.9
45°	8.5
47.5°	5.9
50°	4.2
52.5°	5.1
55°	5.9
57.5°	5.1
60°	5.1
62.5°	4.2
65°	3.4
67.5°	2.5
70°	2.5
72.5°	1.7
75°	1.7
77.5°	1.7
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)