

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: P179556

Luminaire Tested: **LDA6A45827D010TE LARH30NF 6LA1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179556
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: LDA6A45827D010TE LARH30NF 6LA1LI
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, 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: 4344.0 lumens
Efficiency: N/A
Efficacy: 82.0 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

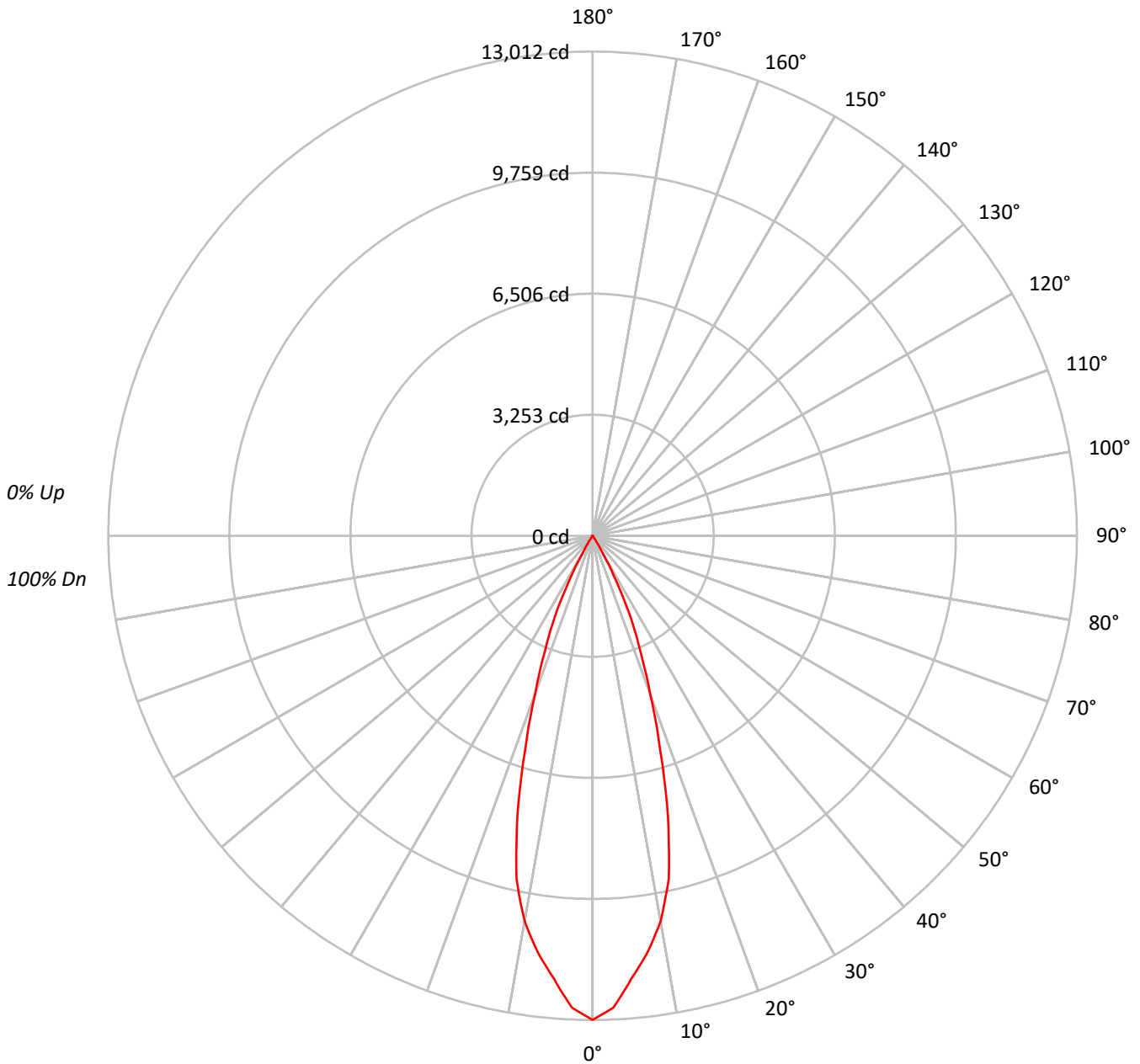
Input Watts (W): 53
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	90	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°	713309
5°	657702
10°	585421
15°	443317
20°	264022
25°	145521
30°	34588
35°	2496
40°	716
45°	209
50°	77
55°	86
60°	99
65°	117
70°	144
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1099.5	25.3
10°-20°	2092.6	48.2
20°-30°	1065.1	24.5
30°-40°	81.9	1.9
40°-50°	2.9	0.1
50°-60°	0.8	0.0
60°-70°	0.9	0.0
70°-80°	0.4	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°	4257.1	98.0
0°-40°	4339.0	99.9
0°-60°	4342.7	100.0
0°-90°	4344.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4344.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13012	
5°	11952	###
15°	7811	2093
25°	2406	1065
35°	37	82
45°	3	3
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13011.8
2.5°	12696.7
5°	11951.8
7.5°	11293.4
10°	10516.7
12.5°	9445.8
15°	7811.2
17.5°	6037.4
20°	4525.7
22.5°	3336.5
25°	2405.8
27.5°	1387.8
30°	546.4
32.5°	224.9
35°	37.3
37.5°	19.1
40°	10.0
42.5°	5.5
45°	2.7
47.5°	1.8
50°	0.9
52.5°	0.9
55°	0.9
57.5°	0.9
60°	0.9
62.5°	0.9
65°	0.9
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)