

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: P179615

Luminaire Tested: **LDA6A45840D010TE LARH40FL 6LFC1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179615
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26667)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A45840D010TE LARH40FL 6LFC1H
Description: PORTFOLIO 6" Flat Cone, Self-flanged, 40° Flood
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5203.3 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.61
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

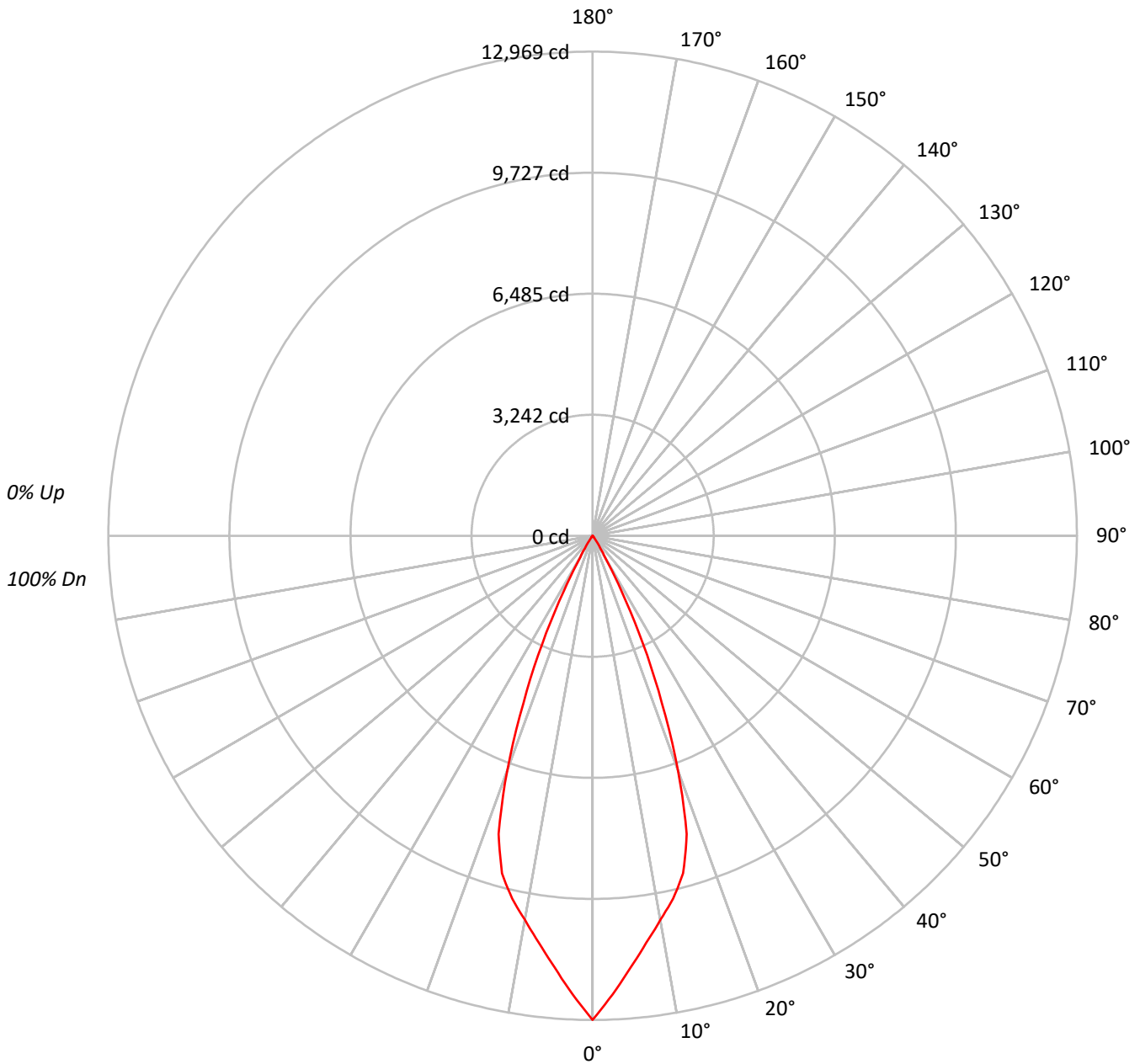
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			100
1	115	112	110	108	112	110	108	107	106	105	104	103	101	100	99	98	98	96			96
2	110	107	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92			92
3	106	101	97	94	105	100	96	94	98	95	92	95	93	91	93	91	89	88			88
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84			84
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81			81
6	96	89	84	81	94	88	84	81	87	83	80	85	82	79	84	81	79	78			78
7	92	85	81	77	91	85	80	77	83	80	77	82	79	76	81	78	76	75			75
8	89	82	77	74	88	81	77	74	80	76	74	80	76	73	79	75	73	72			72
9	86	79	74	71	85	78	74	71	78	74	71	77	73	71	76	73	70	69			69
10	84	76	71	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67			67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	710985
5°	639141
10°	581419
15°	531467
20°	389986
25°	192773
30°	41861
35°	7930
40°	2161
45°	969
50°	529
55°	497
60°	340
65°	402
70°	337
75°	212
80°	316
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1074.4	20.6
10°-20°	2519.0	48.4
20°-30°	1463.4	28.1
30°-40°	126.9	2.4
40°-50°	10.9	0.2
50°-60°	4.3	0.1
60°-70°	2.7	0.1
70°-80°	1.2	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°	5056.8	97.2
0°-40°	5183.7	99.6
0°-60°	5199.0	99.9
0°-90°	5203.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5203.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12969	
5°	11614	###
15°	9364	2519
25°	3187	1463
35°	118	127
45°	12	11
55°	5	4
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12969.4
2.5°	12291.5
5°	11614.5
7.5°	11000.0
10°	10444.8
12.5°	9957.1
15°	9364.4
17.5°	8375.6
20°	6684.9
22.5°	4842.3
25°	3187.0
27.5°	1664.7
30°	661.3
32.5°	343.1
35°	118.5
37.5°	48.9
40°	30.2
42.5°	18.7
45°	12.5
47.5°	8.3
50°	6.2
52.5°	5.2
55°	5.2
57.5°	4.2
60°	3.1
62.5°	3.1
65°	3.1
67.5°	2.1
70°	2.1
72.5°	1.0
75°	1.0
77.5°	1.0
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)