

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: P179607

Luminaire Tested: **LDA6A45840D010TE LARH30NF 6LFC1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P179607
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26666)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A45840D010TE LARH30NF 6LFC1H
Description: PORTFOLIO 6" Flat Cone, Self-flanged, 30° Narrow Flood
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4938.1 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.55
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

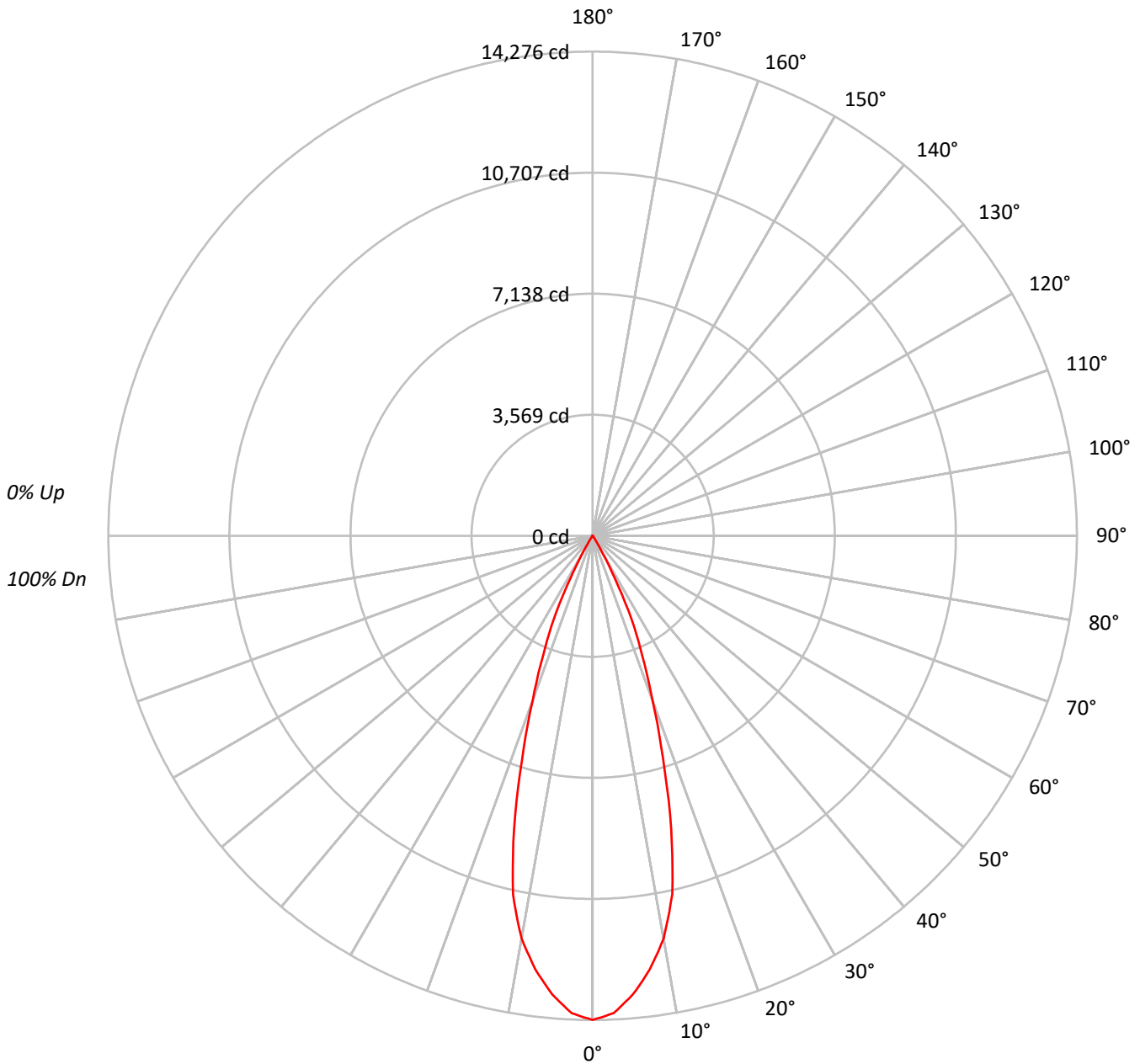
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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									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	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	103	100	102	100	98	99	98	96	97	95	94	93																												
3	107	102	98	95	105	101	97	95	98	95	93	96	94	92	94	92	90	89																												
4	103	98	94	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	83																												
6	97	90	86	83	96	89	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°	782618
5°	747329
10°	671347
15°	507909
20°	301715
25°	164592
30°	37253
35°	3480
40°	1489
45°	729
50°	529
55°	401
60°	340
65°	272
70°	160
75°	212
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1248.5	25.3
10°-20°	2396.6	48.5
20°-30°	1187.3	24.0
30°-40°	90.1	1.8
40°-50°	8.3	0.2
50°-60°	4.1	0.1
60°-70°	2.3	0.0
70°-80°	0.9	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°	4832.4	97.9
0°-40°	4922.5	99.7
0°-60°	4934.9	99.9
0°-90°	4938.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4938.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14276	
5°	13580	###
15°	8949	2397
25°	2721	1187
35°	52	90
45°	9	8
55°	4	4
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	14276.1
2.5°	14091.0
5°	13580.5
7.5°	12900.5
10°	12060.3
12.5°	10834.4
15°	8949.3
17.5°	6901.0
20°	5171.8
22.5°	3808.7
25°	2721.1
27.5°	1398.5
30°	588.5
32.5°	224.6
35°	52.0
37.5°	31.2
40°	20.8
42.5°	13.5
45°	9.4
47.5°	7.3
50°	6.2
52.5°	5.2
55°	4.2
57.5°	4.2
60°	3.1
62.5°	3.1
65°	2.1
67.5°	2.1
70°	1.0
72.5°	1.0
75°	1.0
77.5°	1.0
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)