

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: P279489

Luminaire Tested: **LDA2B108040D010 EU2B10FL408040 2LBALD1GPH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P279489
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-3)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B108040D010 EU2B10FL408040 2LBALD1GPH
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in
ADJ spun Refl w/lens Self-Flanged, GPH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1217.0 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.55
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

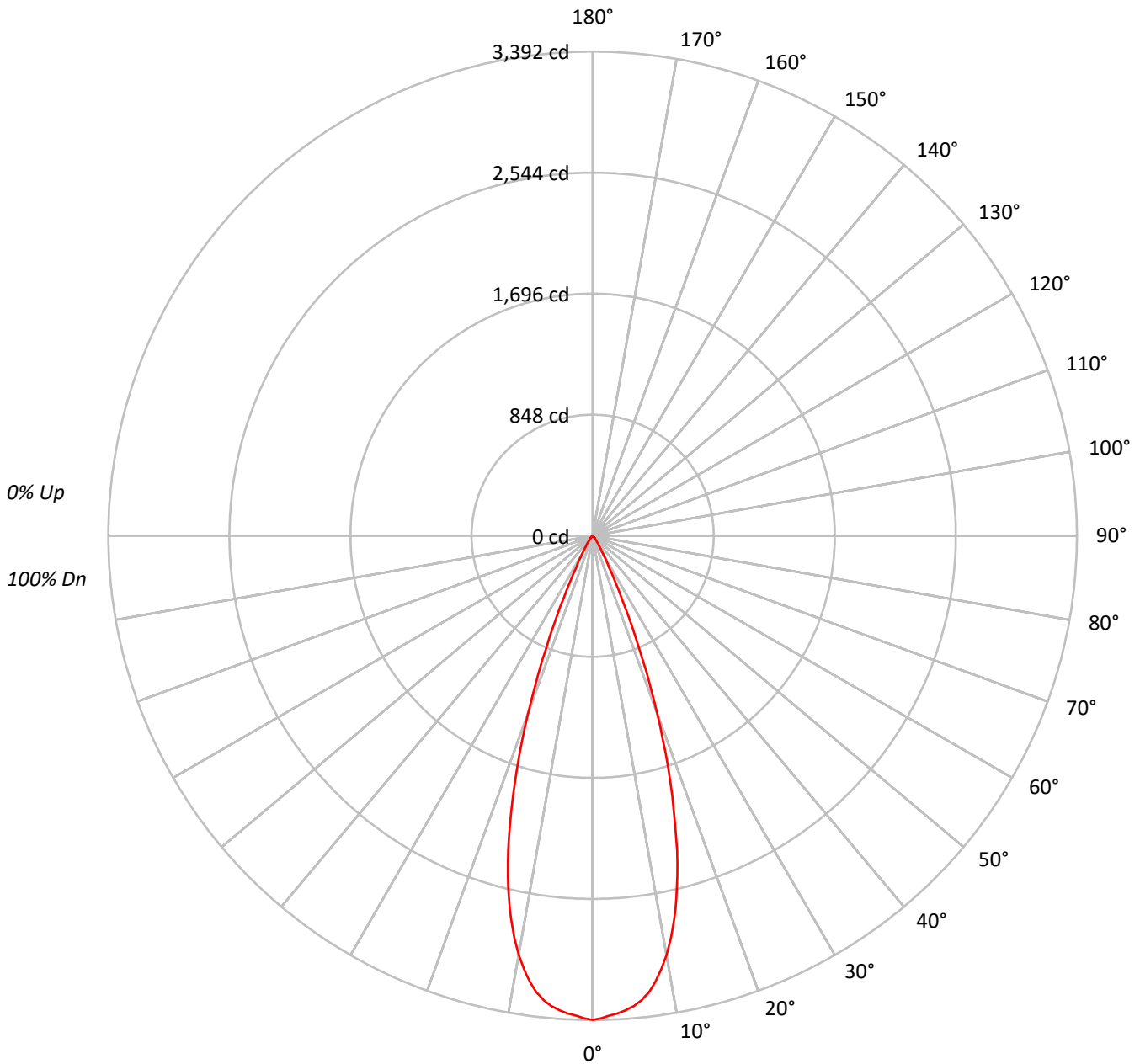
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	87	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	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	79	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	72	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1673434
5°	1638027
10°	1492949
15°	1166282
20°	690512
25°	256668
30°	80212
35°	35655
40°	16552
45°	7814
50°	4298
55°	2408
60°	1085
65°	700
70°	865
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.7	25.1
10°-20°	608.0	50.0
20°-30°	249.0	20.5
30°-40°	41.2	3.4
40°-50°	9.8	0.8
50°-60°	2.6	0.2
60°-70°	0.7	0.1
70°-80°	0.1	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°	1162.7	95.5
0°-40°	1204.0	98.9
0°-60°	1216.3	99.9
0°-90°	1217.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1217.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3392	
5°	3308	306
15°	2283	608
25°	472	249
35°	59	41
45°	11	10
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3391.9
1°	3380.2
2°	3364.5
3°	3350.6
4°	3332.1
5°	3307.5
6°	3271.2
7°	3223.7
8°	3156.1
9°	3074.0
10°	2980.1
11°	2871.2
12°	2748.3
13°	2608.0
14°	2452.2
15°	2283.4
17.5°	1810.8
20°	1315.2
22.5°	842.0
25°	471.5
27.5°	248.6
30°	140.8
32.5°	89.4
35°	59.2
37.5°	39.1
40°	25.7
42.5°	16.8
45°	11.2
47.5°	7.8
50°	5.6
52.5°	3.9
55°	2.8
57.5°	1.7
60°	1.1
62.5°	0.6
65°	0.6
67.5°	0.6
70°	0.6
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



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— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)