

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: P280194

Luminaire Tested: **LDA2B059027D010 EU2B05WFL559027 2LBAD1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P280194
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-5)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B059027D010 EU2B05WFL559027 2LBAD1H
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in ADJ spun Refl, Self-Flanged, H
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 655.8 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.73
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

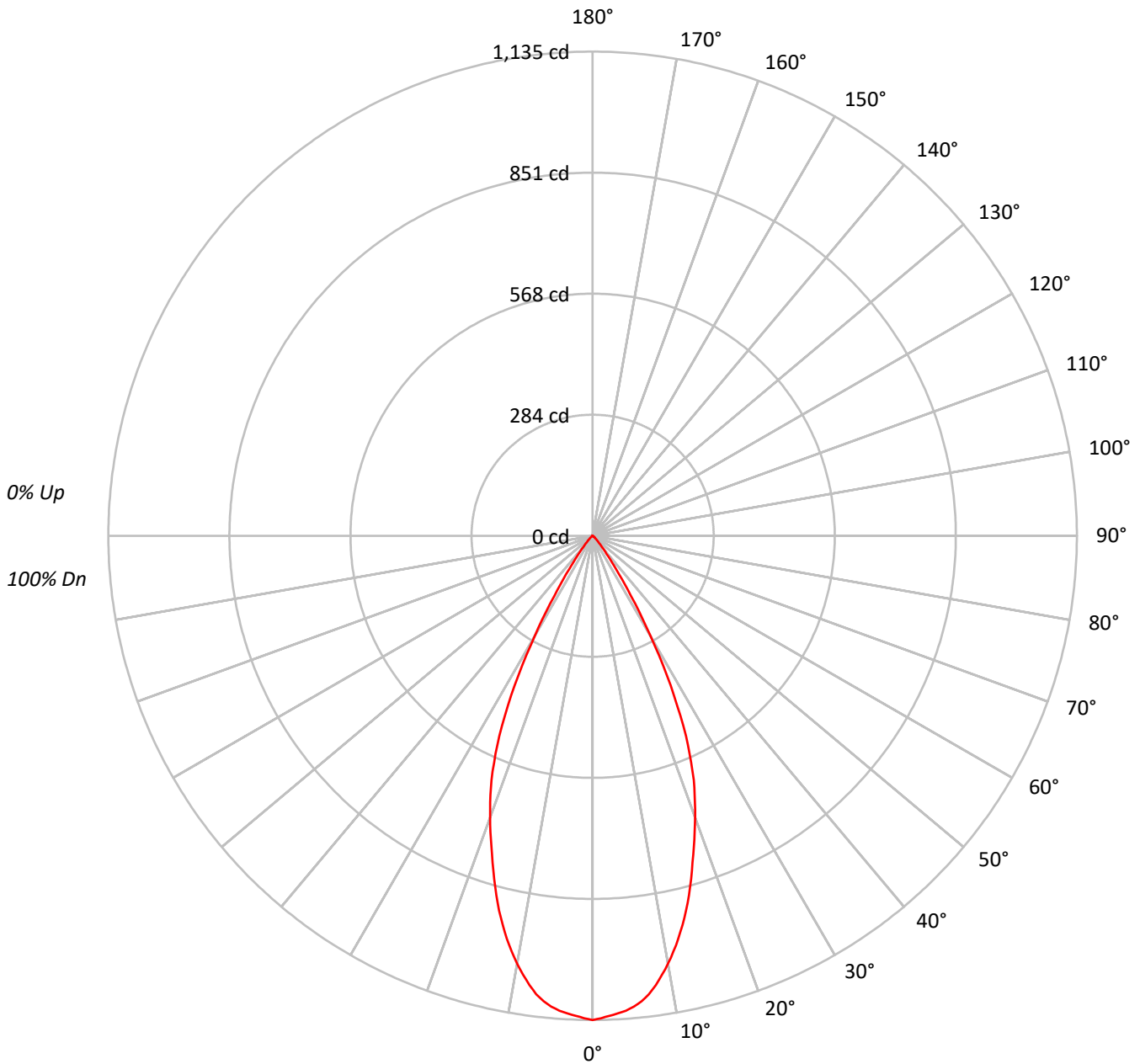
Input Watts (W): 7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	114	112	109	107	112	110	108	106	106	104	103	102	101	99	98	97	97	95						95													
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90						90													
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85						85													
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	80						80													
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76						76													
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72						72													
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69						69													
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65						65													
9	81	73	68	64	80	72	68	64	72	67	64	71	67	64	70	66	64	62						62													
10	78	70	65	61	77	69	64	61	69	64	61	68	64	61	67	63	61	59						59													

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	560114
5°	548683
10°	510241
15°	445490
20°	368830
25°	282090
30°	154385
35°	57157
40°	19772
45°	8931
50°	4221
55°	2064
60°	592
65°	350
70°	433
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.9	15.7
10°-20°	241.1	36.8
20°-30°	227.9	34.7
30°-40°	70.2	10.7
40°-50°	11.1	1.7
50°-60°	2.3	0.4
60°-70°	0.3	0.1
70°-80°	0.0	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°	571.9	87.2
0°-40°	642.0	97.9
0°-60°	655.5	99.9
0°-90°	655.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	655.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1135	
5°	1108	103
15°	872	241
25°	518	228
35°	95	70
45°	13	11
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1135.3
1°	1131.0
2°	1125.9
3°	1121.6
4°	1116.1
5°	1107.9
6°	1097.3
7°	1083.0
8°	1063.8
9°	1041.6
10°	1018.5
11°	993.0
12°	965.9
13°	936.4
14°	905.7
15°	872.2
17.5°	783.7
20°	702.5
22.5°	620.1
25°	518.2
27.5°	395.4
30°	271.0
32.5°	166.4
35°	94.9
37.5°	52.9
40°	30.7
42.5°	19.2
45°	12.8
47.5°	8.5
50°	5.5
52.5°	3.6
55°	2.4
57.5°	1.5
60°	0.6
62.5°	0.3
65°	0.3
67.5°	0.3
70°	0.3
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)