

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: P280897

Luminaire Tested: **LDA2B209030D010 EU2B20WFL559030 2LBALD1GPH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P280897  
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: LDA2B209030D010 EU2B20WFL559030 2LBALD1GPH  
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND  
2in ADJ spun Refl w/lens Self-Flanged, GPH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1690.9 lumens  
Efficiency: N/A  
Efficacy: 82.1 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

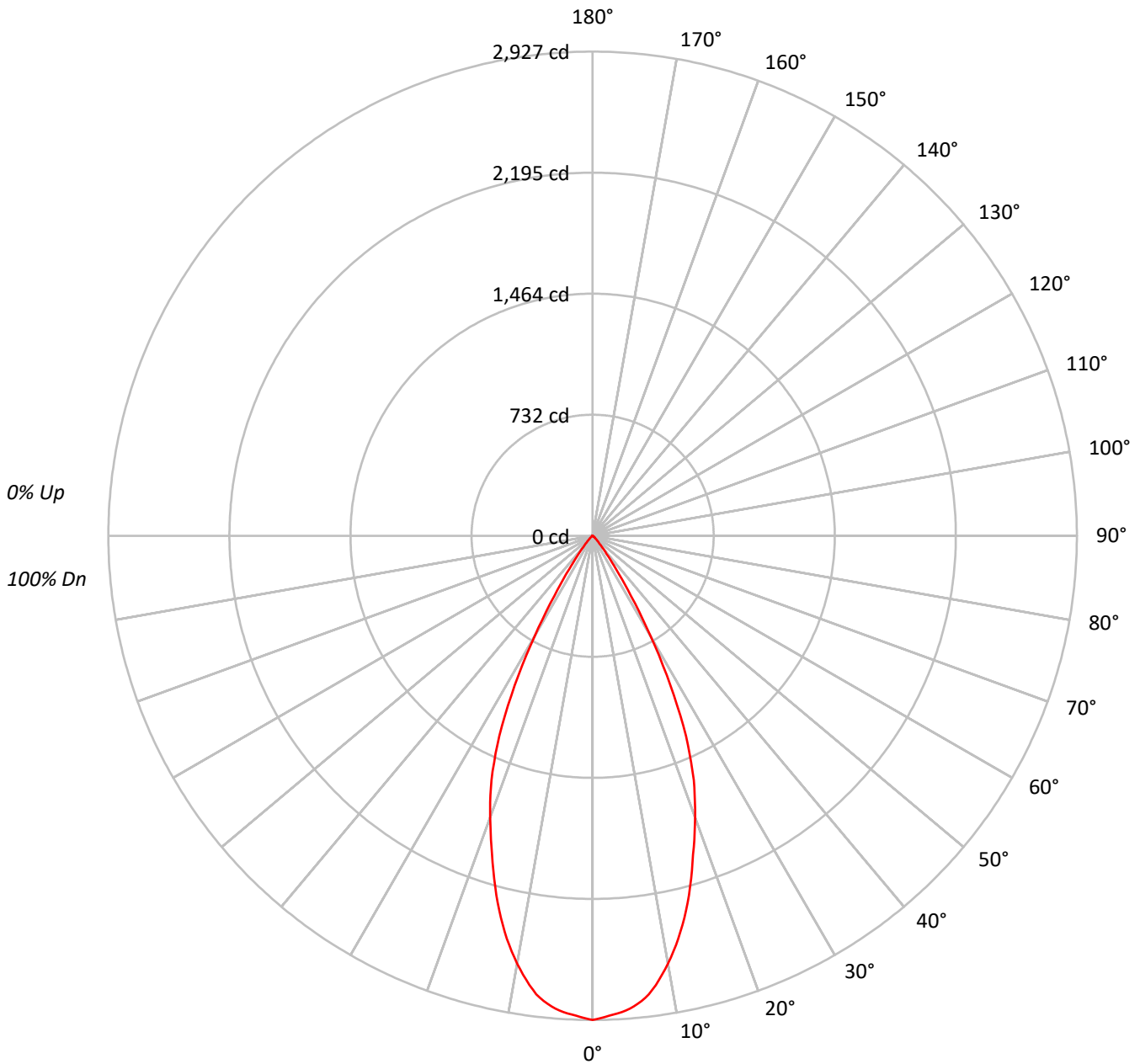
Input Watts (W): 20.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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				
1	114	112	109	107	112	110	108	106	106	104	103	102	101	99	98	97	97	95				
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90				
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85				
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	80				
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76				
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72				
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69				
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65				
9	81	73	68	64	80	72	68	64	72	67	64	71	67	64	70	66	64	62				
10	78	70	65	61	77	69	64	61	69	64	61	68	64	61	67	63	61	59				

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	1444070
5°	1414671
10°	1315504
15°	1148610
20°	950977
25°	727325
30°	397982
35°	147319
40°	51008
45°	22955
50°	10822
55°	5419
60°	1579
65°	934
70°	1154
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	265.4	15.7
10°-20°	621.5	36.8
20°-30°	587.5	34.7
30°-40°	180.8	10.7
40°-50°	28.6	1.7
50°-60°	6.1	0.4
60°-70°	0.9	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°	1474.4	87.2
0°-40°	1655.3	97.9
0°-60°	1689.9	99.9
0°-90°	1690.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1690.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2927	
5°	2856	265
15°	2249	622
25°	1336	587
35°	245	181
45°	33	29
55°	6	6
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2927.0
1°	2916.0
2°	2902.7
3°	2891.7
4°	2877.6
5°	2856.5
6°	2829.0
7°	2792.2
8°	2742.8
9°	2685.5
10°	2625.9
11°	2560.1
12°	2490.3
13°	2414.2
14°	2335.0
15°	2248.8
17.5°	2020.6
20°	1811.3
22.5°	1598.8
25°	1336.1
27.5°	1019.3
30°	698.6
32.5°	428.9
35°	244.6
37.5°	136.4
40°	79.2
42.5°	49.4
45°	32.9
47.5°	22.0
50°	14.1
52.5°	9.4
55°	6.3
57.5°	3.9
60°	1.6
62.5°	0.8
65°	0.8
67.5°	0.8
70°	0.8
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)