

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: P264448

Luminaire Tested: **LD2B10D010 EU2B1010SP159050 2LBD\*GPH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P264448  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-787-1)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD2B10D010 EU2B1010SP159050 2LBD\*GPH  
Description: 1000 Lumen, 2inch Portfolio LED Downlight  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 808.0 lumens  
Efficiency: N/A  
Efficacy: 78.4 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.28  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

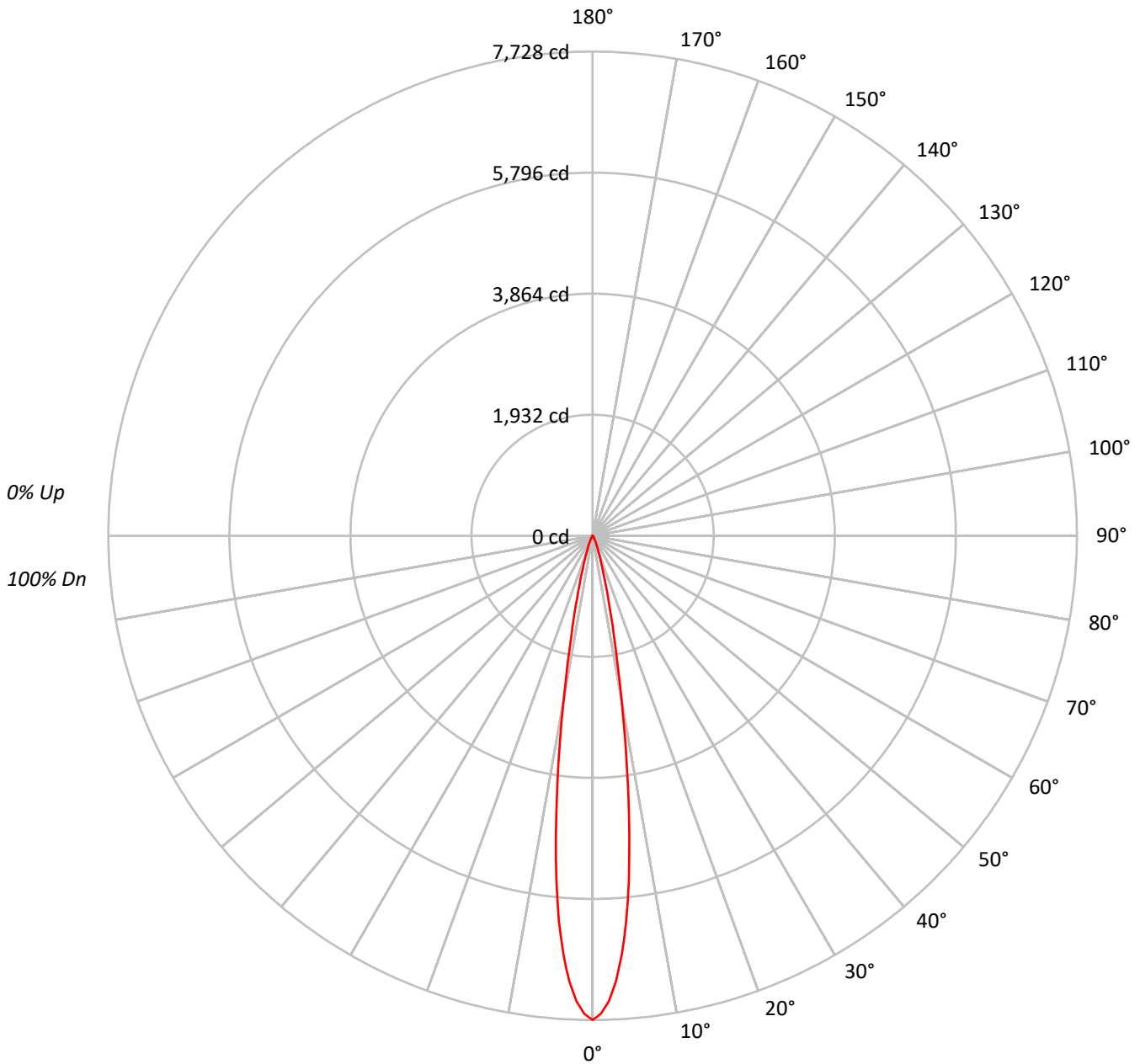
Input Watts (W): 10.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	98	96	94	92	90	88	86	84	82	80																			
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	96	95	94	93	92	91	90	89	88	87																			
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	94	93	92	91	90	89	88	87	86	85																			
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	92	91	90	89	88	87	86	85	84	83																			
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	90	89	88	87	86	85	84	83	82	81																			
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	89	88	87	86	85	84	83	82	81	80																			
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	87	86	85	84	83	82	81	80	79	78																			
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	86	85	84	83	82	81	80	79	78	77																			
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	84	83	82	81	80	79	78	77	76	75																			
10	95	90	87	85	95	90	87	85	89	86	85	89	86	84	88	86	84	83	82	81	80	79	78	77	76	75	74																			

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

	0°
0°	3812651
5°	3056017
10°	1333840
15°	413363
20°	144119
25°	63636
30°	28826
35°	14997
40°	8566
45°	4047
50°	2533
55°	1462
60°	789
65°	934
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	468.6	58.0
10°-20°	256.6	31.8
20°-30°	58.5	7.2
30°-40°	16.8	2.1
40°-50°	5.2	0.6
50°-60°	1.6	0.2
60°-70°	0.7	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°	783.7	97.0
0°-40°	800.5	99.1
0°-60°	807.3	99.9
0°-90°	808.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	808.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7728	
5°	6171	469
15°	809	257
25°	117	58
35°	25	17
45°	6	5
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7727.9
1°	7631.7
2°	7431.9
3°	7121.7
4°	6695.6
5°	6170.7
6°	5527.3
7°	4808.4
8°	4058.0
9°	3331.6
10°	2662.5
11°	2096.1
12°	1650.0
13°	1298.5
14°	1025.7
15°	809.3
16°	638.5
17°	508.3
18°	408.8
19°	332.5
20°	274.5
22.5°	177.4
25°	116.9
26°	98.7
27°	83.7
28°	70.5
29°	58.9
30°	50.6
32.5°	34.8
35°	24.9
37.5°	18.2
40°	13.3
42.5°	9.1
45°	5.8
47.5°	4.1
50°	3.3
52.5°	2.5
55°	1.7
57.5°	0.8
60°	0.8
62.5°	0.8
65°	0.8
67.5°	0.8



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**CANDELA DISTRIBUTION (continued):**

	0°
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







70°		0.0
72.5°		0.0



(END OF REPORT)