

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: P265007

Luminaire Tested: **LD2B05D010 EU2B0510SP159035 2LBDL\*GPH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P265007  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1711-432-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD2B05D010 EU2B0510SP159035 2LBDL\*GPH  
Description: 500 Lumen, 2inch Portfolio LED Downlight  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 577.0 lumens  
Efficiency: N/A  
Efficacy: 79.0 lumens/watt  
Spacing Criteria (0/90/45): 0.31 / 0.31 / 0.32  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

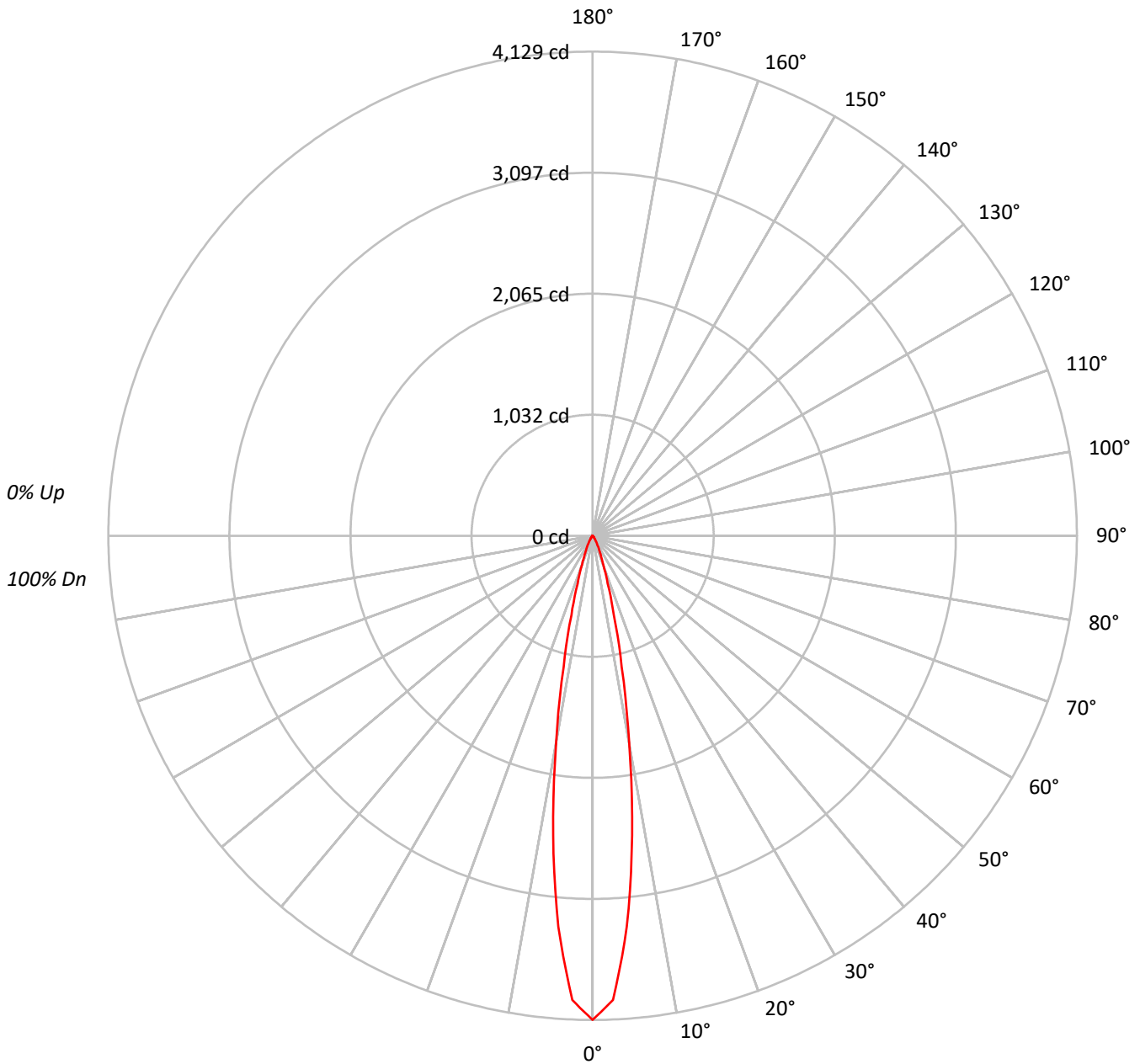
Input Watts (W): 7.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	115	113	111	110	113	111	110	108	107	106	105	104	103	102	100	99	99	97																			97																	
2	112	108	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94																			94																	
3	109	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92																			92																	
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89																			89																	
5	103	97	93	91	101	96	93	90	95	92	89	93	91	89	92	90	88	87																			87																	
6	100	94	90	88	99	94	90	87	92	89	87	91	88	86	90	88	86	85																			85																	
7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83																			83																	
8	95	89	86	83	94	89	85	83	88	85	82	87	84	82	86	84	82	81																			81																	
9	93	87	83	81	92	87	83	81	86	83	81	85	82	80	85	82	80	79																			79																	
10	91	85	82	79	91	85	81	79	84	81	79	84	81	79	83	80	78	78																			78																	

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

	0°
0°	2036943
5°	1657837
10°	895539
15°	357076
20°	143174
25°	68590
30°	35548
35°	18791
40°	10433
45°	6419
50°	4452
55°	3011
60°	2269
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	269.2	46.7
10°-20°	212.4	36.8
20°-30°	62.7	10.9
30°-40°	20.9	3.6
40°-50°	7.8	1.4
50°-60°	3.5	0.6
60°-70°	0.6	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°	544.3	94.3
0°-40°	565.2	97.9
0°-60°	576.5	99.9
0°-90°	577.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	577.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4129	
5°	3348	269
15°	699	212
25°	126	63
35°	31	21
45°	9	8
55°	4	3
65°	0	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4128.7
2.5°	3962.3
5°	3347.5
7.5°	2579.1
10°	1787.6
12.5°	1144.0
15°	699.1
17.5°	426.4
20°	272.7
22.5°	182.6
25°	126.0
27.5°	89.0
30°	62.4
32.5°	43.9
35°	31.2
37.5°	22.0
40°	16.2
42.5°	12.7
45°	9.2
47.5°	8.1
50°	5.8
52.5°	4.6
55°	3.5
57.5°	3.5
60°	2.3
62.5°	1.2
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
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°







(END OF REPORT)