

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: P264643

Luminaire Tested: **LD2B05D010 EU2B0510SP158030 2LBDL*GPH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264643
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 EU2B0510SP158030 2LBDL*GPH
Description: 500 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 689.0 lumens
Efficiency: N/A
Efficacy: 94.4 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

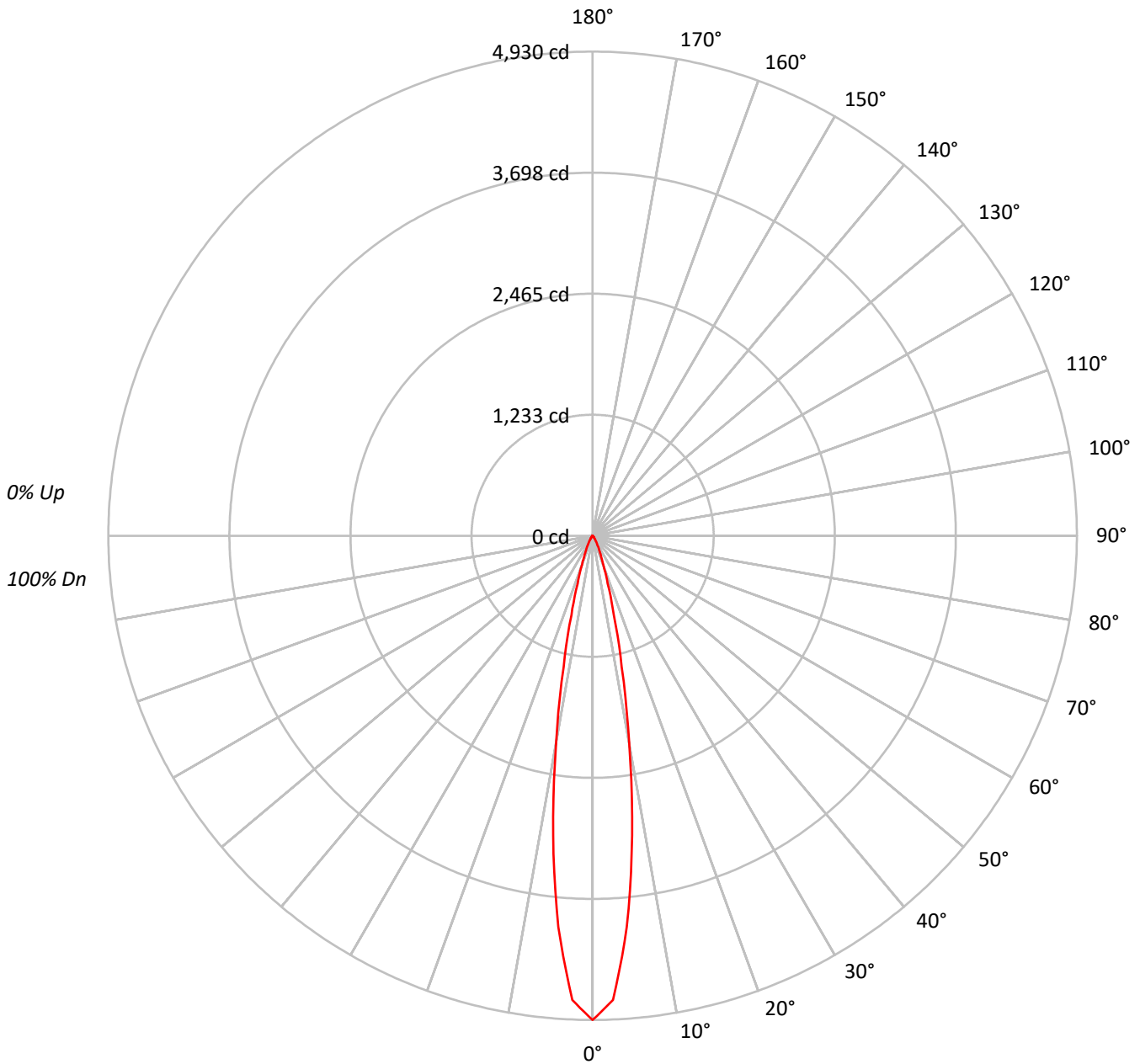
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20									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°	2432323
5°	1979648
10°	1069376
15°	426387
20°	170948
25°	81872
30°	42442
35°	22465
40°	12430
45°	7675
50°	5296
55°	3527
60°	2763
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.5	46.7
10°-20°	253.6	36.8
20°-30°	74.8	10.9
30°-40°	24.9	3.6
40°-50°	9.4	1.4
50°-60°	4.1	0.6
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°	649.9	94.3
0°-40°	674.8	97.9
0°-60°	688.3	99.9
0°-90°	689.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	689.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4930	
5°	3997	321
15°	835	254
25°	150	75
35°	37	25
45°	11	9
55°	4	4
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4930.1
2.5°	4731.4
5°	3997.3
7.5°	3079.7
10°	2134.6
12.5°	1366.0
15°	834.8
17.5°	509.2
20°	325.6
22.5°	218.0
25°	150.4
27.5°	106.2
30°	74.5
32.5°	52.4
35°	37.3
37.5°	26.2
40°	19.3
42.5°	15.2
45°	11.0
47.5°	9.7
50°	6.9
52.5°	5.5
55°	4.1
57.5°	4.1
60°	2.8
62.5°	1.4
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)