

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: P264645

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264645
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*WMH
Description: 500 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 684.0 lumens
Efficiency: N/A
Efficacy: 93.7 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

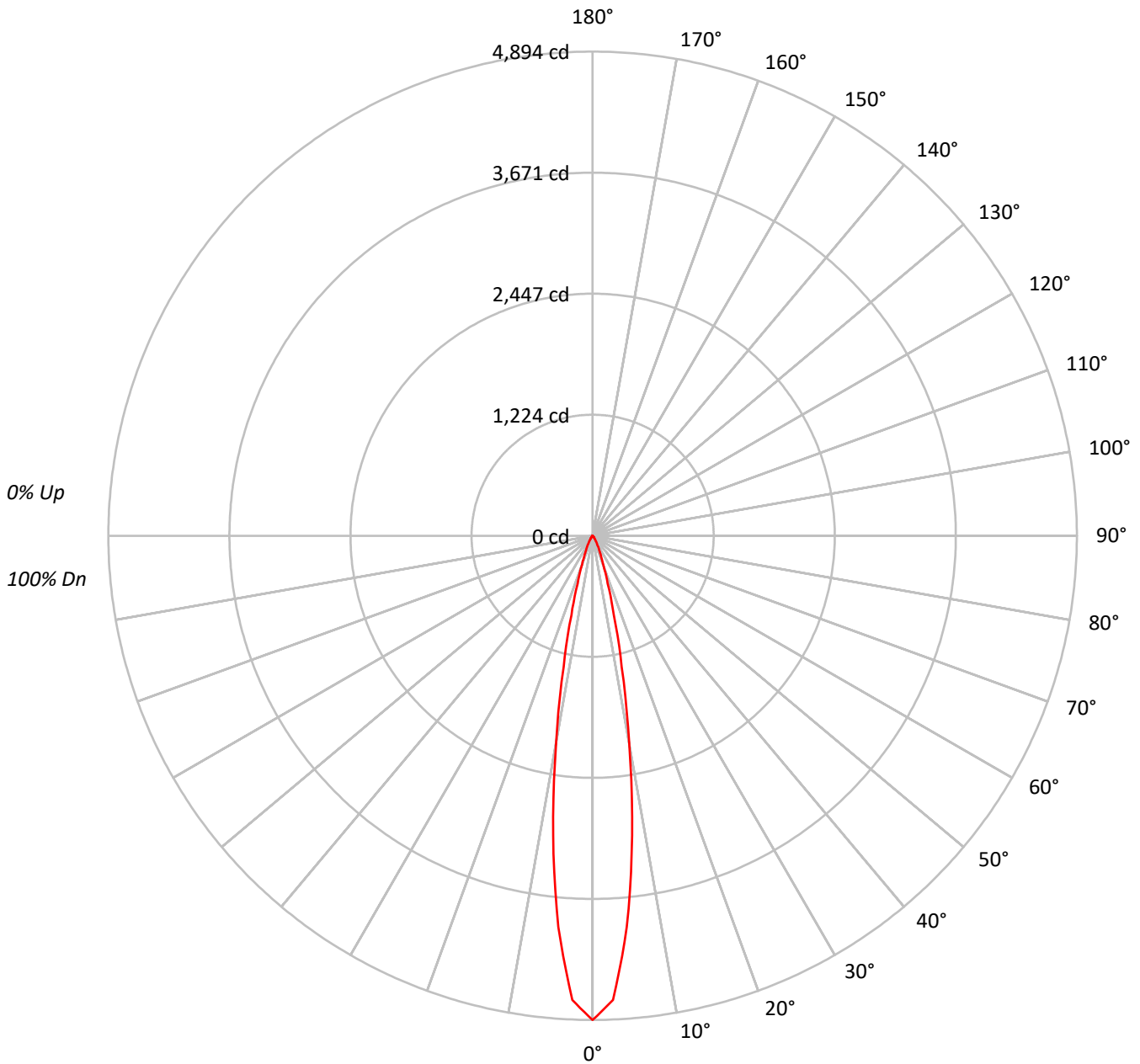
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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																																				
1	115	113	111	110	113	111	110	108	107	106	105	104	103	102	100	99	99	97																																				
2	112	108	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94																																				
3	109	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92																																				
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89																																				
5	103	97	93	91	101	96	93	90	95	92	89	93	91	89	92	90	88	87																																				
6	100	94	90	88	99	94	90	87	92	89	87	91	88	86	90	88	86	85																																				
7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83																																				
8	95	89	86	83	94	89	85	83	88	85	82	87	84	82	86	84	82	81																																				
9	93	87	83	81	92	87	83	81	86	83	81	85	82	80	85	82	80	79																																				
10	91	85	82	79	91	85	81	79	84	81	79	84	81	79	83	80	78	78																																				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2414661
5°	1965286
10°	1061611
15°	423272
20°	169740
25°	81274
30°	42157
35°	22284
40°	12366
45°	7675
50°	5219
55°	3527
60°	2664
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.1	46.7
10°-20°	251.8	36.8
20°-30°	74.3	10.9
30°-40°	24.7	3.6
40°-50°	9.3	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°	645.2	94.3
0°-40°	669.9	97.9
0°-60°	683.4	99.9
0°-90°	684.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	684.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4894	
5°	3968	319
15°	829	252
25°	149	74
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°	4894.3
2.5°	4697.0
5°	3968.3
7.5°	3057.4
10°	2119.1
12.5°	1356.1
15°	828.7
17.5°	505.5
20°	323.3
22.5°	216.4
25°	149.3
27.5°	105.5
30°	74.0
32.5°	52.1
35°	37.0
37.5°	26.0
40°	19.2
42.5°	15.1
45°	11.0
47.5°	9.6
50°	6.8
52.5°	5.5
55°	4.1
57.5°	4.1
60°	2.7
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)