

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: P265164

Luminaire Tested: **LD2B05D010 EU2B0510SP159727 2LBDL*WH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P265164
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 EU2B0510SP159727 2LBDL*WH
Description: 500 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 519.0 lumens
Efficiency: N/A
Efficacy: 71.1 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

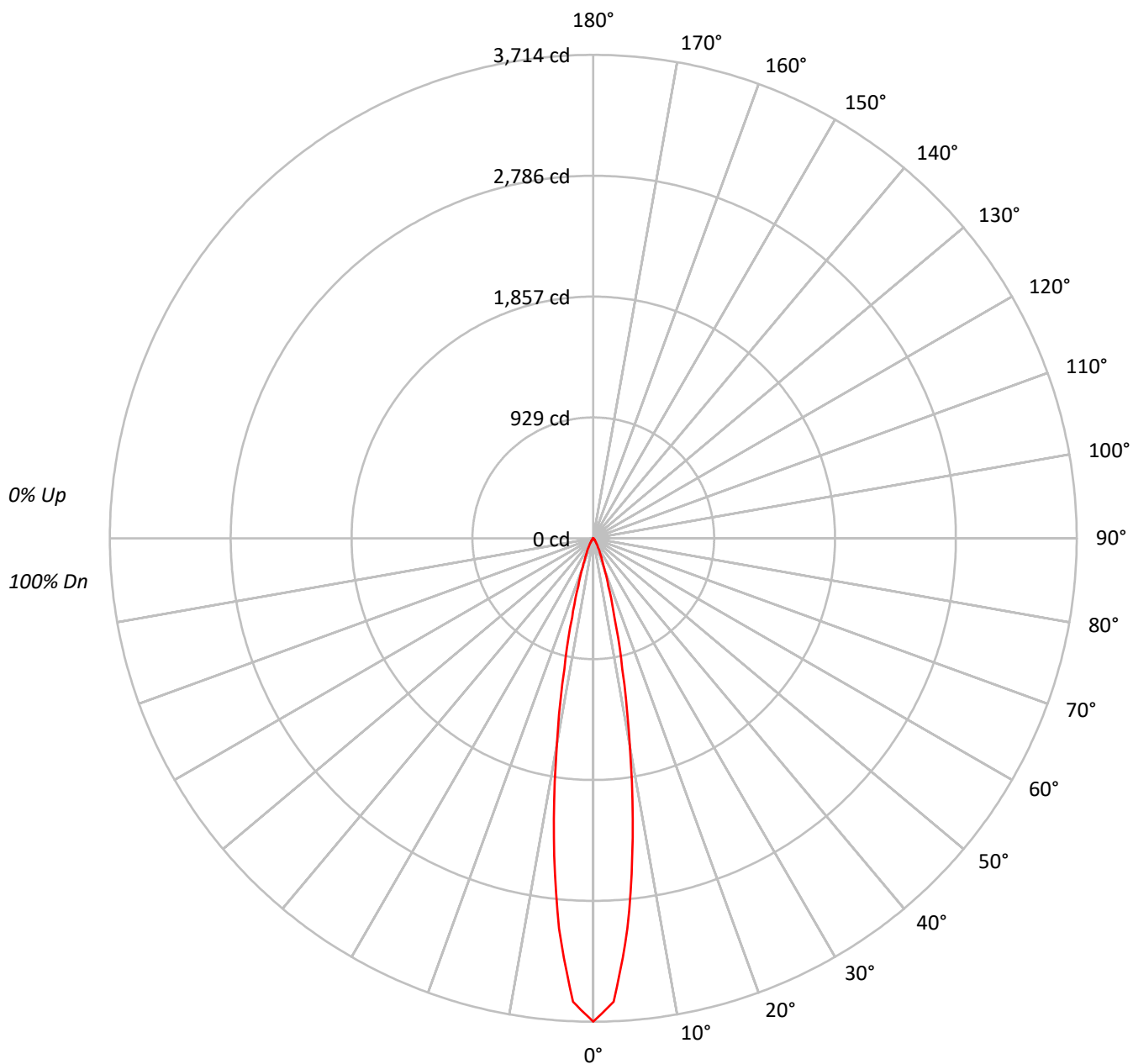
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	106	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°	1832198
5°	1491187
10°	805514
15°	321169
20°	128789
25°	61676
30°	31959
35°	16924
40°	9403
45°	5791
50°	3991
55°	2666
60°	2072
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.2	46.7
10°-20°	191.1	36.8
20°-30°	56.4	10.9
30°-40°	18.8	3.6
40°-50°	7.0	1.4
50°-60°	3.1	0.6
60°-70°	0.5	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°	489.6	94.3
0°-40°	508.3	97.9
0°-60°	518.5	99.9
0°-90°	519.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	519.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3714	
5°	3011	242
15°	629	191
25°	113	56
35°	28	19
45°	8	7
55°	3	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3713.7
2.5°	3564.0
5°	3011.0
7.5°	2319.9
10°	1607.9
12.5°	1029.0
15°	628.8
17.5°	383.5
20°	245.3
22.5°	164.2
25°	113.3
27.5°	80.0
30°	56.1
32.5°	39.5
35°	28.1
37.5°	19.7
40°	14.6
42.5°	11.4
45°	8.3
47.5°	7.3
50°	5.2
52.5°	4.2
55°	3.1
57.5°	3.1
60°	2.1
62.5°	1.0
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)