

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: P264678

Luminaire Tested: **LD2B15D010 EU2B1510SP158030 2LBSQLC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264678
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: LD2B15D010 EU2B1510SP158030 2LBSQLC*MMS
Description: 1500 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1167.0 lumens
Efficiency: N/A
Efficacy: 81.6 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

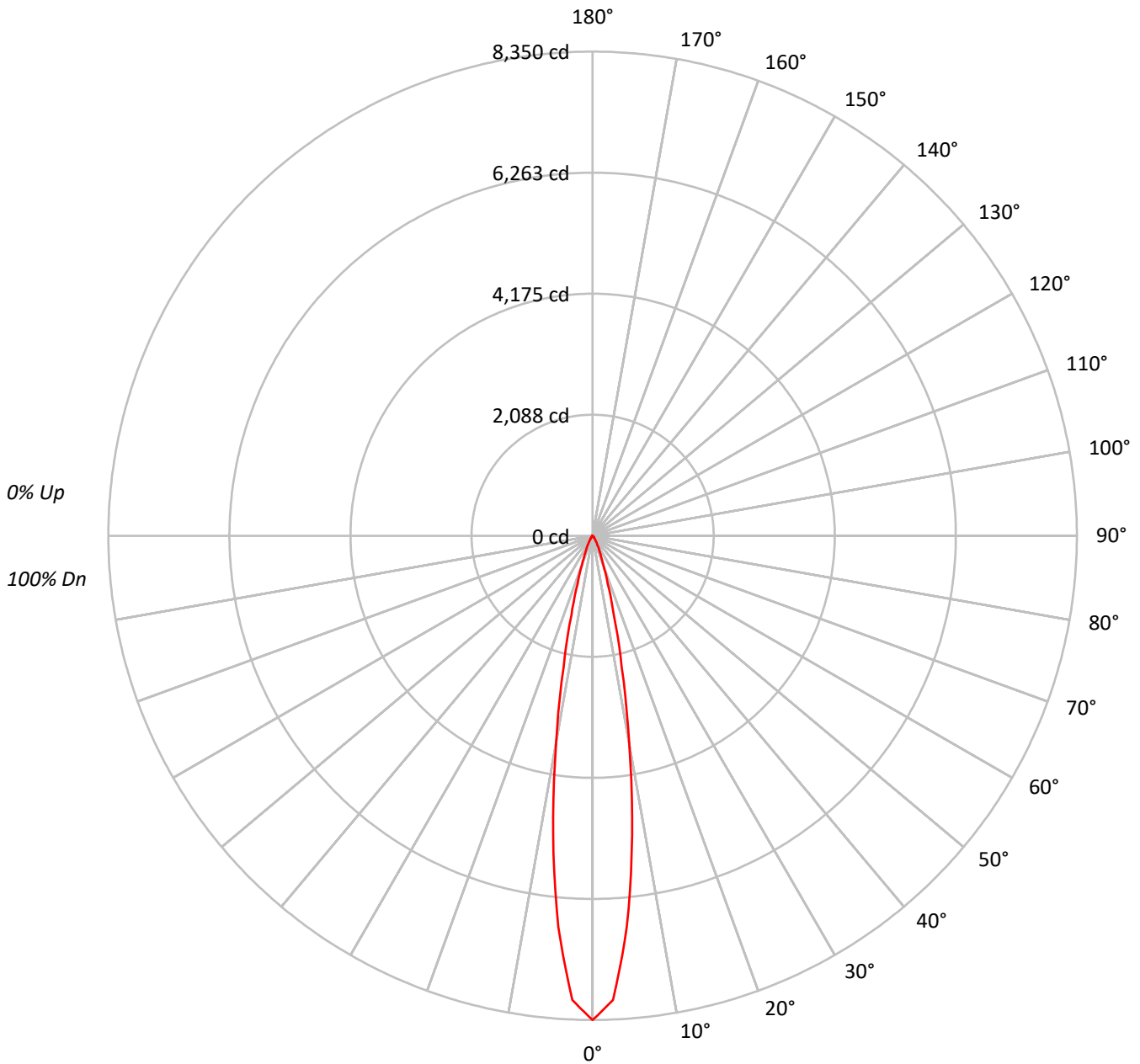
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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									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									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	106	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°	4119768
5°	3353065
10°	1811267
15°	722172
20°	289551
25°	138650
30°	71894
35°	38004
40°	21060
45°	13047
50°	8980
55°	6021
60°	4638
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	544.5	46.7
10°-20°	429.6	36.8
20°-30°	126.7	10.9
30°-40°	42.2	3.6
40°-50°	15.9	1.4
50°-60°	7.0	0.6
60°-70°	1.1	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°	1100.8	94.3
0°-40°	1143.0	97.9
0°-60°	1165.9	99.9
0°-90°	1167.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1167.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8350	
5°	6770	544
15°	1414	430
25°	255	127
35°	63	42
45°	19	16
55°	7	7
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8350.4
2.5°	8013.8
5°	6770.5
7.5°	5216.3
10°	3615.5
12.5°	2313.7
15°	1413.9
17.5°	862.4
20°	551.5
22.5°	369.3
25°	254.7
27.5°	180.0
30°	126.2
32.5°	88.8
35°	63.1
37.5°	44.4
40°	32.7
42.5°	25.7
45°	18.7
47.5°	16.4
50°	11.7
52.5°	9.3
55°	7.0
57.5°	7.0
60°	4.7
62.5°	2.3
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)