

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: P265211

Luminaire Tested: **LD2B20D010 EU2B2010SP159727 2LBSQLC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P265211
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: LD2B20D010 EU2B2010SP159727 2LBSQLC*MMS
Description: 2000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1095.0 lumens
Efficiency: N/A
Efficacy: 52.4 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

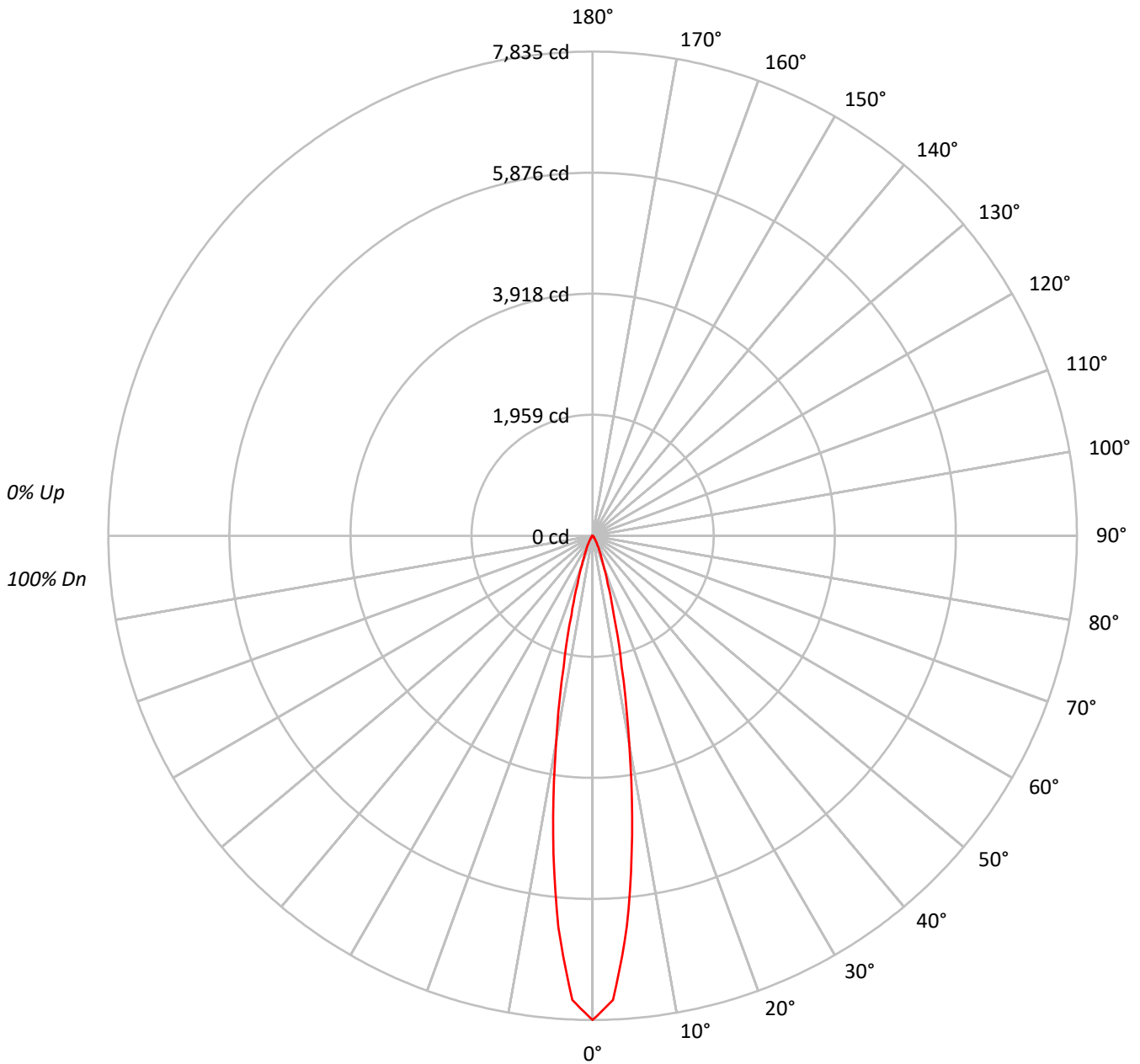
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3865588
5°	3146201
10°	1699500
15°	677633
20°	271700
25°	130103
30°	67451
35°	35655
40°	19772
45°	12210
50°	8443
55°	5677
60°	4342
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	510.9	46.7
10°-20°	403.1	36.8
20°-30°	118.9	10.9
30°-40°	39.6	3.6
40°-50°	14.9	1.4
50°-60°	6.6	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°	1032.9	94.3
0°-40°	1072.5	97.9
0°-60°	1094.0	99.9
0°-90°	1095.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1095.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7835	
5°	6353	511
15°	1327	403
25°	239	119
35°	59	40
45°	18	15
55°	7	7
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7835.2
2.5°	7519.4
5°	6352.8
7.5°	4894.5
10°	3392.4
12.5°	2171.0
15°	1326.7
17.5°	809.2
20°	517.5
22.5°	346.5
25°	239.0
27.5°	168.9
30°	118.4
32.5°	83.3
35°	59.2
37.5°	41.7
40°	30.7
42.5°	24.1
45°	17.5
47.5°	15.4
50°	11.0
52.5°	8.8
55°	6.6
57.5°	6.6
60°	4.4
62.5°	2.2
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)