

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: P265150

Luminaire Tested: **LD2B20D010 EU2B2010SP159050 2LBDL*GPH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P265150
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 EU2B2010SP159050 2LBDL*GPH
Description: 2000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1467.0 lumens
Efficiency: N/A
Efficacy: 70.2 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

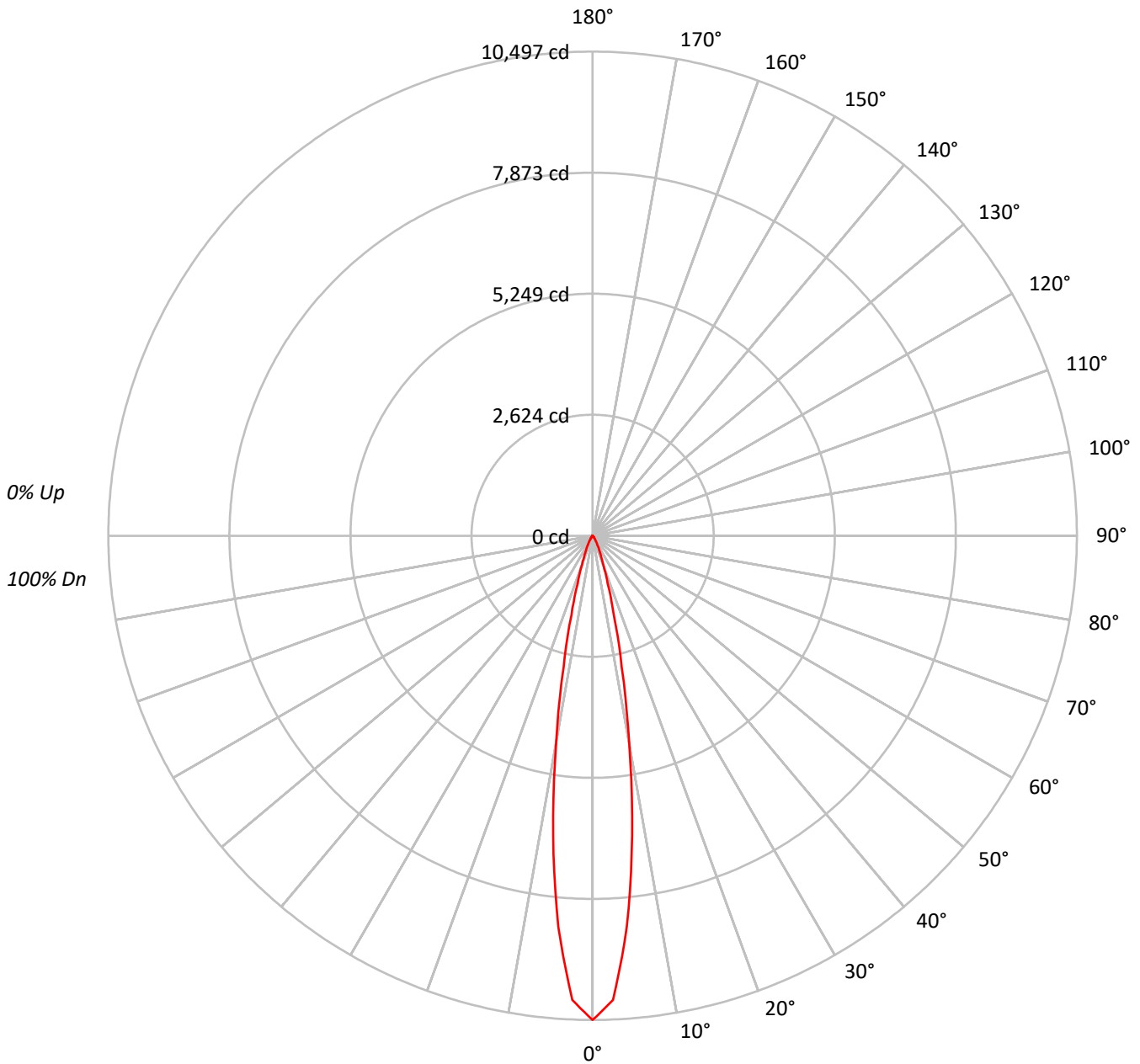
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	5178819
5°	4215042
10°	2276871
15°	907835
20°	364000
25°	174306
30°	90352
35°	47761
40°	26470
45°	16396
50°	11283
55°	7569
60°	5822
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	684.5	46.7
10°-20°	540.0	36.8
20°-30°	159.3	10.9
30°-40°	53.0	3.6
40°-50°	19.9	1.4
50°-60°	8.8	0.6
60°-70°	1.4	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°	1383.8	94.3
0°-40°	1436.8	97.9
0°-60°	1465.6	99.9
0°-90°	1467.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1467.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10497	
5°	8511	684
15°	1777	540
25°	320	159
35°	79	53
45°	24	20
55°	9	9
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10497.0
2.5°	10073.9
5°	8511.0
7.5°	6557.3
10°	4544.9
12.5°	2908.5
15°	1777.4
17.5°	1084.1
20°	693.3
22.5°	464.2
25°	320.2
27.5°	226.2
30°	158.6
32.5°	111.6
35°	79.3
37.5°	55.8
40°	41.1
42.5°	32.3
45°	23.5
47.5°	20.6
50°	14.7
52.5°	11.8
55°	8.8
57.5°	8.8
60°	5.9
62.5°	2.9
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)