

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: P222618

Luminaire Tested: **LD2B20D010 EU2B20NFL259035 2LBDSQC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P222618
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (155)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B20D010 EU2B20NFL259035 2LBDSQC*MMS
Description: 2000 Lumen, 2inch Portfolio LED Downlight
NARROW FLOOD OPTIC
SQUARE CAST TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1473.1 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.35
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

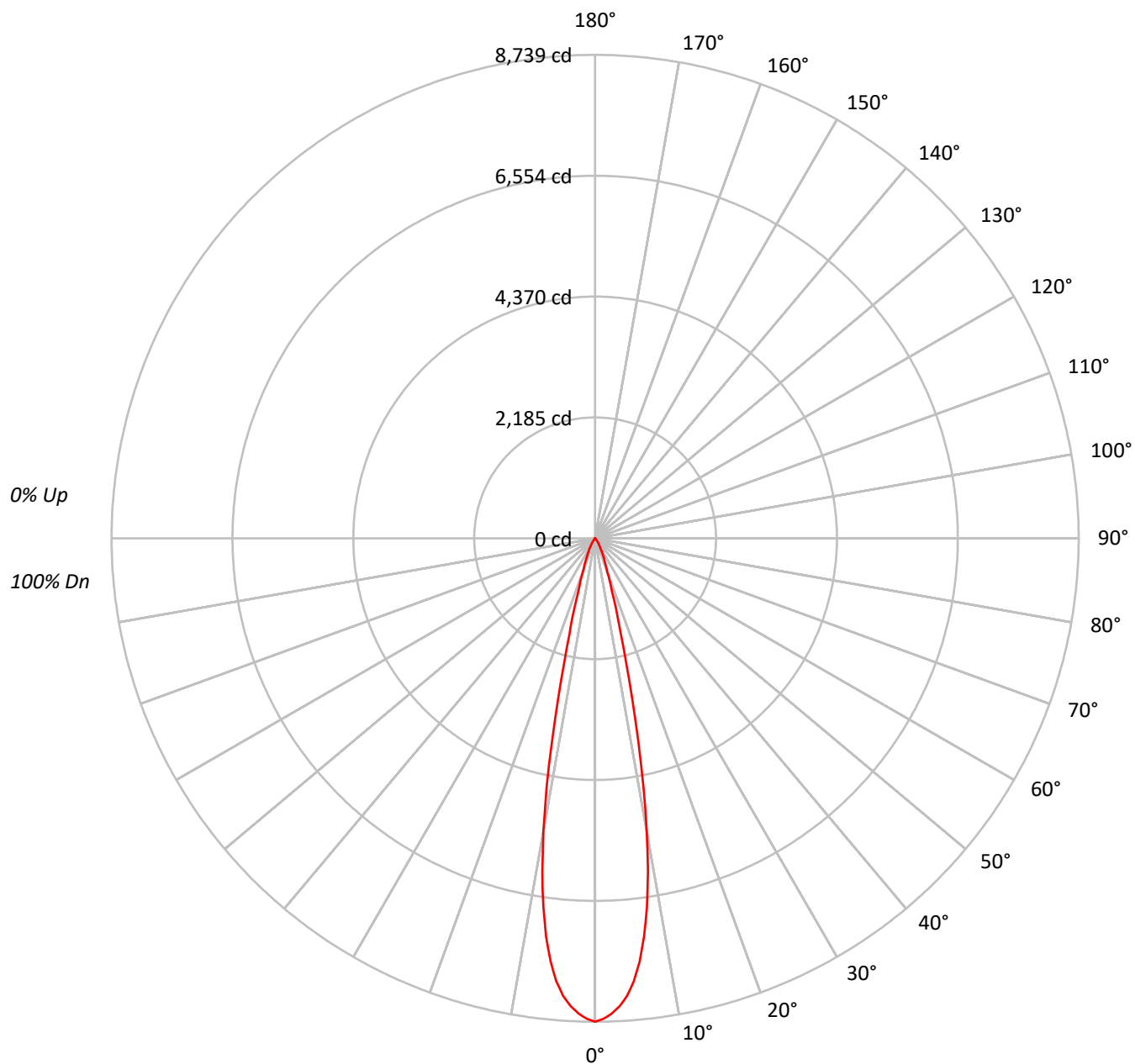
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	112	110	113	111	110	108	107	106	105		104	103	102		100
2	112	109	106	104	110	107	104	102	104	102	100		101	99	98		98
3	109	105	101	99	107	103	100	98	101	98	96		99	97	95		96
4	106	101	97	95	104	100	97	94	98	95	93		96	94	92		95
5	103	98	94	91	102	97	94	91	95	92	90		94	91	89		93
6	101	95	91	89	99	94	91	88	93	90	88		92	89	87		91
7	98	92	89	86	97	92	88	86	91	88	85		90	87	85		89
8	96	90	86	84	95	90	86	84	89	86	83		88	85	83		87
9	94	88	84	82	93	88	84	82	87	84	82		86	83	81		85
10	92	86	82	80	91	86	82	80	85	82	80		84	82	80		84

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3384939
5°	3125380
10°	2115479
15°	719733
20°	264347
25°	140141
30°	72010
35°	33620
40°	11023
45°	5587
50°	2651
55°	1013
60°	1162
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	683.7	46.4
10°-20°	574.9	39.0
20°-30°	157.8	10.7
30°-40°	46.0	3.1
40°-50°	8.5	0.6
50°-60°	2.0	0.1
60°-70°	0.2	0.0
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°	1416.4	96.2
0°-40°	1462.4	99.3
0°-60°	1472.9	100.0
0°-90°	1473.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1473.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8739	
5°	8038	684
15°	1795	575
25°	328	158
35°	71	46
45°	10	9
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8738.8
1°	8688.0
2°	8598.0
3°	8468.9
4°	8291.9
5°	8038.0
6°	7691.2
7°	7257.4
8°	6727.8
9°	6102.5
10°	5378.5
11°	4584.8
12°	3759.3
13°	2971.4
14°	2299.7
15°	1794.8
17.5°	1012.7
20°	641.3
22.5°	457.0
25°	327.9
27.5°	232.1
30°	161.0
32.5°	113.2
35°	71.1
37.5°	29.0
40°	21.8
42.5°	16.0
45°	10.2
47.5°	5.8
50°	4.4
52.5°	2.9
55°	1.5
57.5°	1.5
60°	1.5
62.5°	0.0
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



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



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— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)