

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: P225506

Luminaire Tested: **LD2B05D010 EU2B05FL409027 2LBDL*H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225506
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14832)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B05D010 EU2B05FL409027 2LBDL*H
Description: 500 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 556.0 lumens
Efficiency: N/A
Efficacy: 76.2 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.6
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

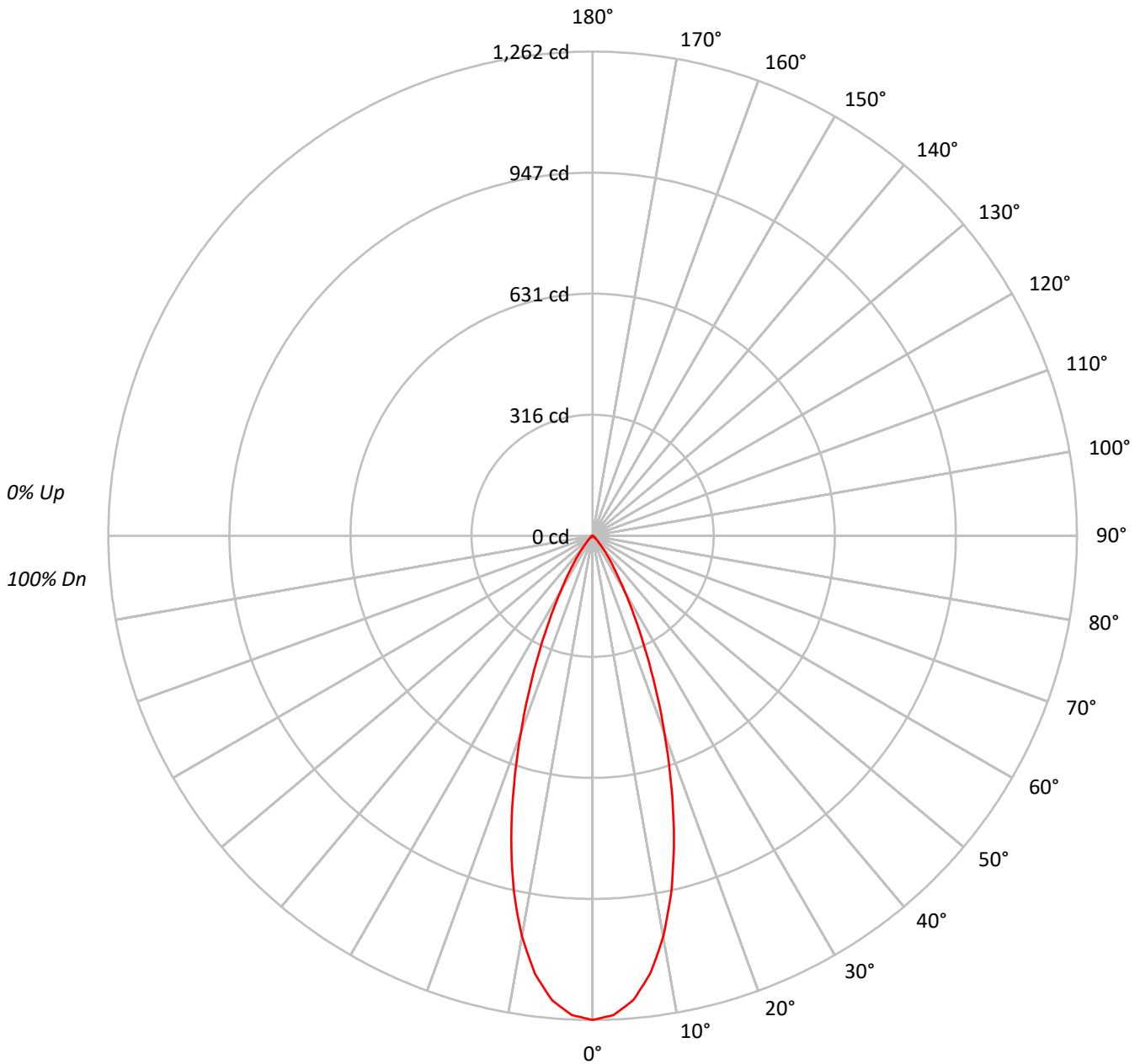
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100																
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95			95																
2	110	105	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90			90																
3	105	100	96	92	103	98	95	91	96	93	90	94	91	89	91	89	87	86			86																
4	101	95	90	86	99	94	89	86	91	88	85	90	86	84	88	85	83	82			82																
5	97	90	85	81	96	89	84	81	87	83	80	86	82	80	84	81	79	78			78																
6	93	86	81	77	92	85	80	77	84	79	76	82	79	76	81	78	75	74			74																
7	90	82	77	73	88	81	76	73	80	76	73	79	75	72	78	75	72	71			71																
8	86	78	73	70	85	78	73	70	77	72	69	76	72	69	75	71	69	68			68																
9	83	75	70	67	82	75	70	67	74	69	66	73	69	66	72	69	66	65			65																
10	80	72	67	64	79	72	67	64	71	67	64	70	66	64	70	66	63	62			62																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	488753
5°	472462
10°	416881
15°	328427
20°	225682
25°	136294
30°	73889
35°	37971
40°	18557
45°	8819
50°	4580
55°	3106
60°	1782
65°	733
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.0	20.0
10°-20°	223.0	40.1
20°-30°	149.0	26.8
30°-40°	53.9	9.7
40°-50°	13.9	2.5
50°-60°	4.2	0.7
60°-70°	1.0	0.2
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°	482.9	86.9
0°-40°	536.9	96.6
0°-60°	555.0	99.8
0°-90°	556.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	556.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1262	
5°	1215	111
15°	819	223
25°	319	149
35°	80	54
45°	16	14
55°	5	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1261.8
2.5°	1250.3
5°	1215.1
7.5°	1150.9
10°	1059.9
12.5°	948.3
15°	819.0
17.5°	681.4
20°	547.5
22.5°	424.4
25°	318.9
27.5°	232.5
30°	165.2
32.5°	116.2
35°	80.3
37.5°	55.8
40°	36.7
42.5°	23.7
45°	16.1
47.5°	11.5
50°	7.6
52.5°	6.1
55°	4.6
57.5°	3.1
60°	2.3
62.5°	1.5
65°	0.8
67.5°	0.8
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)