

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: P225136

Luminaire Tested: **LD2B10D010 EU2B10FL409040 2LBD*GPH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225136
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14831)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B10D010 EU2B10FL409040 2LBD*GPH
Description: 1000 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
SPUN ROUND TRIM WITH GRAPHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 884.6 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.59
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

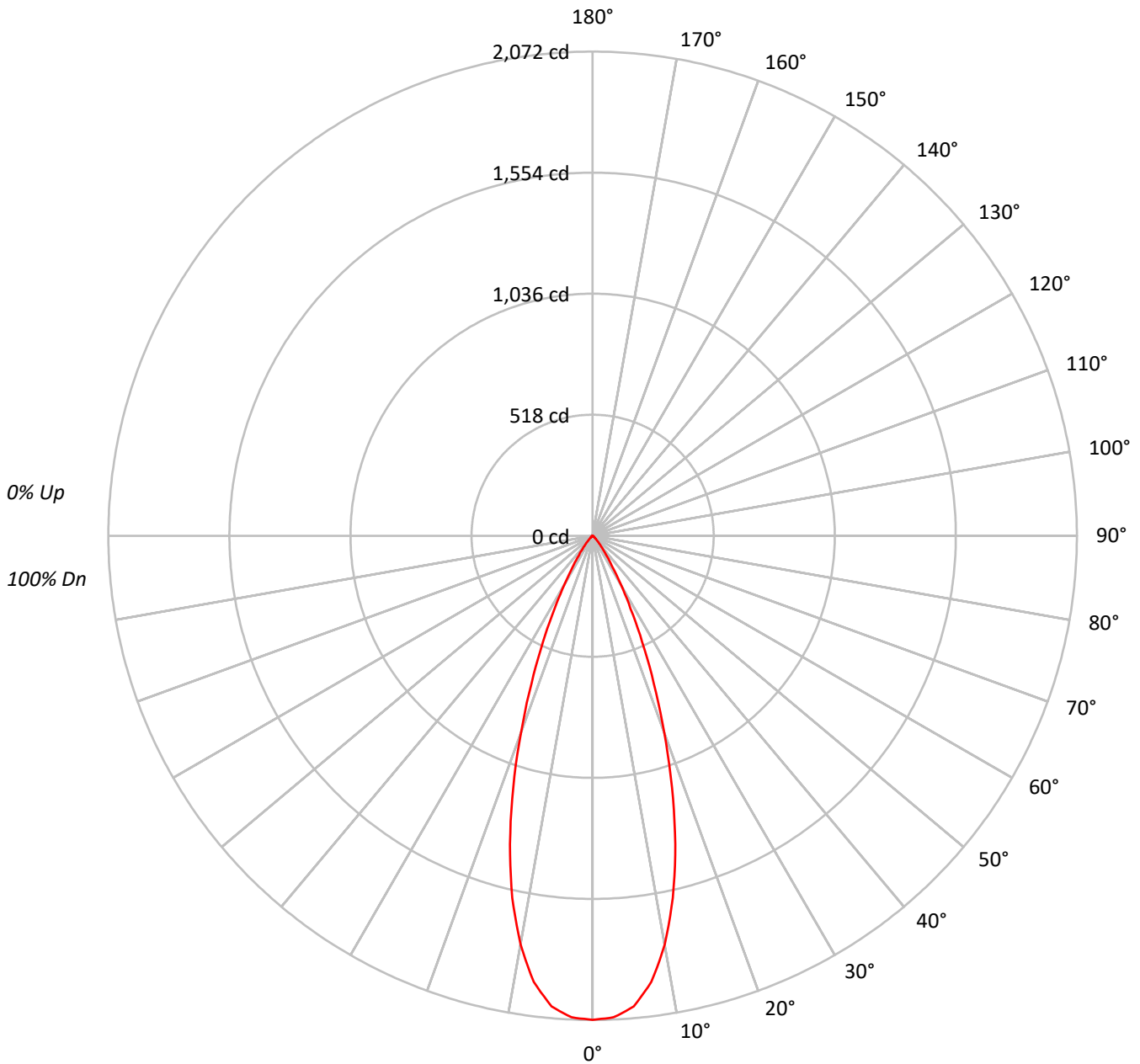
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	802465
5°	786244
10°	698657
15°	548141
20°	368635
25°	214507
30°	107434
35°	50123
40°	23361
45°	9860
50°	4761
55°	3039
60°	1782
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.1	20.9
10°-20°	371.0	41.9
20°-30°	234.6	26.5
30°-40°	73.0	8.3
40°-50°	16.2	1.8
50°-60°	4.1	0.5
60°-70°	0.5	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°	790.7	89.4
0°-40°	863.7	97.6
0°-60°	884.0	99.9
0°-90°	884.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	884.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2072	
5°	2022	185
15°	1367	371
25°	502	235
35°	106	73
45°	18	16
55°	4	4
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2071.7
2.5°	2062.7
5°	2022.1
7.5°	1926.2
10°	1776.3
12.5°	1586.8
15°	1366.9
17.5°	1128.9
20°	894.3
22.5°	683.4
25°	501.9
27.5°	351.9
30°	240.2
32.5°	159.0
35°	106.0
37.5°	71.1
40°	46.2
42.5°	28.2
45°	18.0
47.5°	12.4
50°	7.9
52.5°	5.6
55°	4.5
57.5°	3.4
60°	2.3
62.5°	1.1
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)