

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: P264036

Luminaire Tested: **LD2B10D010 EU2B1010SP158035 2LBDC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264036
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-787-1)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B10D010 EU2B1010SP158035 2LBDC*MB
Description: 1000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 930.1 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.28
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

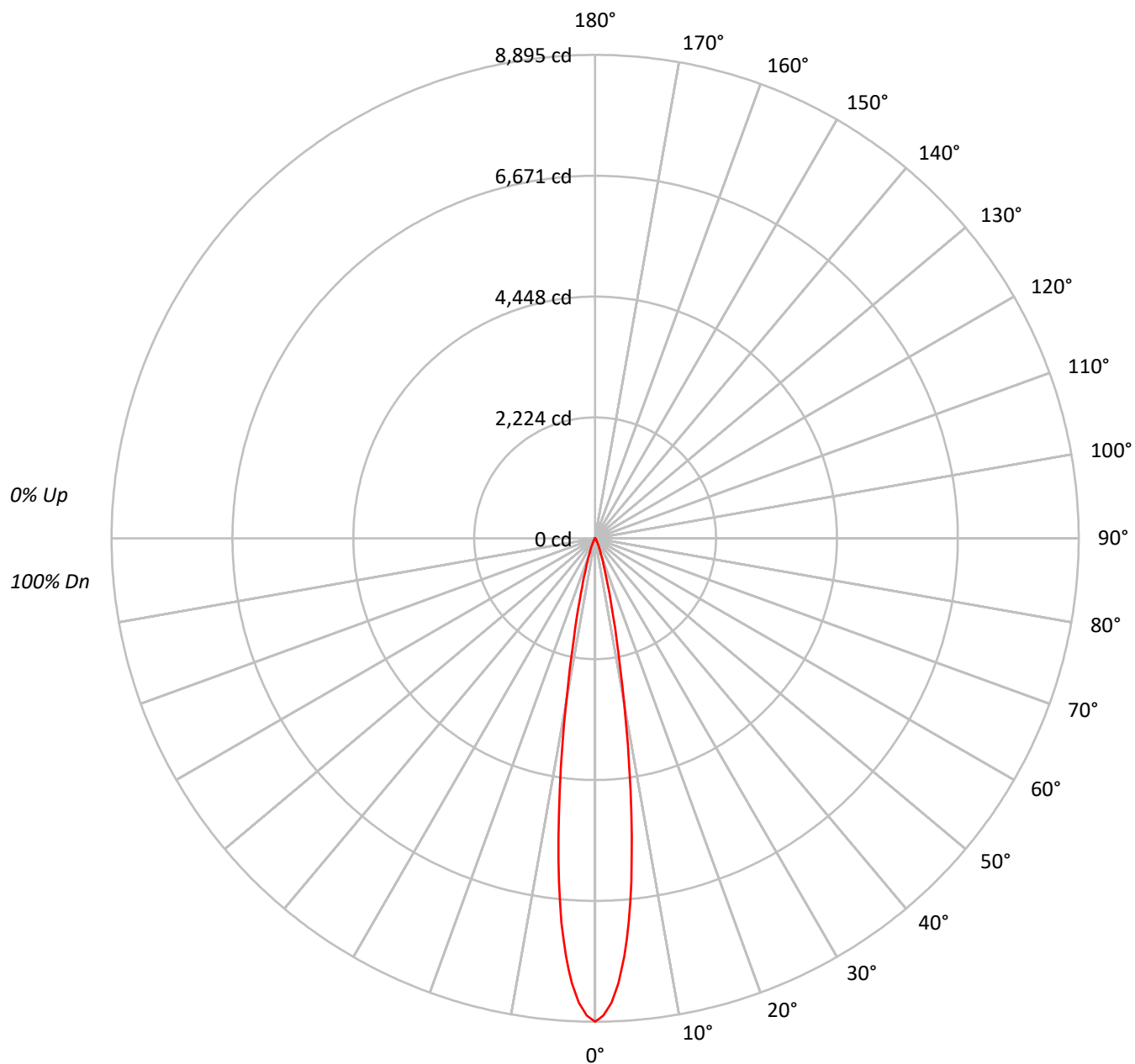
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P264036

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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	116	114	112	111		113	112	110	109		108	107	106		104	103	102		101	100	100
2	113	109	107	105		111	108	106	104		105	103	101		102	101	99		99	98	97
3	110	106	103	100		108	105	102	100		102	100	98		100	98	97		98	96	95
4	107	103	99	97		106	102	99	96		100	97	95		98	96	94		96	95	93
5	105	100	97	94		104	99	96	94		98	95	93		96	94	92		95	93	91
6	103	98	94	92		102	97	94	91		96	93	91		95	92	90		93	91	90
7	101	95	92	90		100	95	92	89		94	91	89		93	90	89		92	90	88
8	99	93	90	88		98	93	90	88		92	89	87		91	89	87		91	88	87
9	97	92	88	86		96	91	88	86		91	88	86		90	87	86		89	87	85
10	95	90	87	85		95	90	87	85		89	86	84		89	86	84		88	86	84

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4388305
5°	3517438
10°	1535231
15°	475778
20°	165855
25°	73271
30°	33156
35°	17225
40°	9854
45°	4675
50°	2917
55°	1634
60°	987
65°	1167
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	539.3	58.0
10°-20°	295.4	31.8
20°-30°	67.3	7.2
30°-40°	19.4	2.1
40°-50°	6.0	0.6
50°-60°	1.8	0.2
60°-70°	0.9	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°	902.1	97.0
0°-40°	921.4	99.1
0°-60°	929.2	99.9
0°-90°	930.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	930.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8895	
5°	7102	539
15°	932	295
25°	135	67
35°	29	19
45°	7	6
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8894.7
1°	8784.0
2°	8554.0
3°	8197.1
4°	7706.5
5°	7102.4
6°	6361.8
7°	5534.4
8°	4670.7
9°	3834.6
10°	3064.5
11°	2412.6
12°	1899.2
13°	1494.5
14°	1180.6
15°	931.5
16°	734.9
17°	585.0
18°	470.5
19°	382.7
20°	315.9
22.5°	204.2
25°	134.6
26°	113.6
27°	96.4
28°	81.1
29°	67.8
30°	58.2
32.5°	40.1
35°	28.6
37.5°	21.0
40°	15.3
42.5°	10.5
45°	6.7
47.5°	4.8
50°	3.8
52.5°	2.9
55°	1.9
57.5°	1.0
60°	1.0
62.5°	1.0
65°	1.0
67.5°	1.0



TEST NUMBER: P264036

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CANDELA DISTRIBUTION (continued):

	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°







70°	0.0
72.5°	0.0



(END OF REPORT)