

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: P206944

Luminaire Tested: **LD4B15D010 EU4B10209730 4LBWB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P206944
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD4B15D010 EU4B10209730 4LBWB1
Description: PORTFOLIO 4 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH SPECULAR BLACK TRIM
WATTAGE D010TR-14.39W DE010-14.29W D5LT-14.34W DMX-14.46W DL2-15.8W
DL3-15.28W DLE-15.432W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 545.5 lumens
Efficiency: N/A
Efficacy: 38.1 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

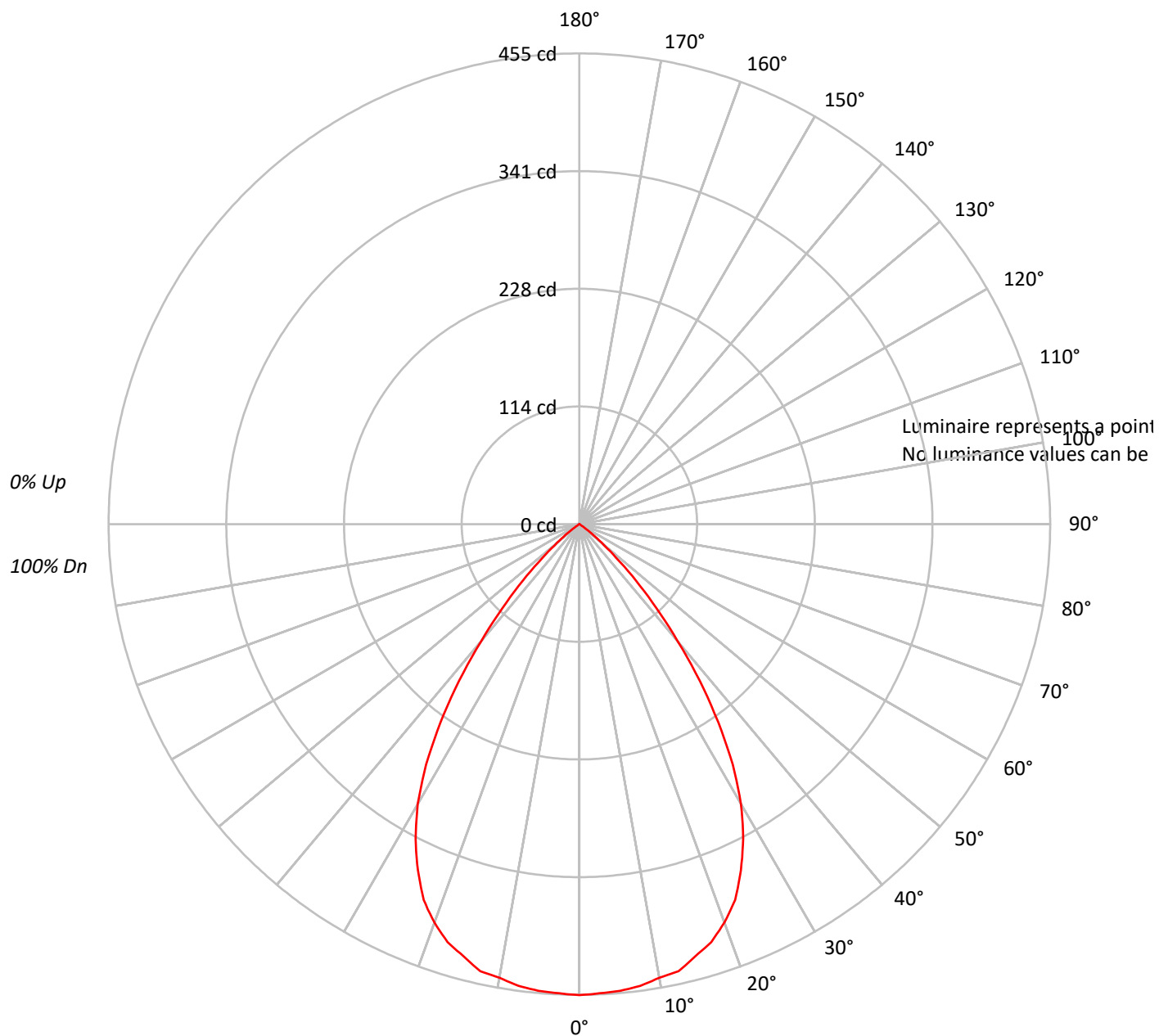
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				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	113	110	108	105	111	108	106	104		104	102	100			100	99	97			97
2	107	102	98	94	105	100	96	93		97	94	91			94	91	89			91
3	101	94	89	85	99	93	88	84		90	86	83			88	84	82			86
4	96	88	82	77	94	86	81	77		84	79	76			82	78	75			80
5	90	81	75	70	89	80	74	70		79	73	69			77	72	69			75
6	85	76	69	65	84	75	69	64		73	68	64			72	67	64			70
7	80	71	64	60	79	70	64	59		69	63	59			67	62	59			66
8	76	66	60	55	75	65	59	55		64	59	55			63	58	54			62
9	72	62	55	51	71	61	55	51		60	55	51			59	54	51			58
10	68	58	52	48	67	58	52	48		57	51	47			56	51	47			55

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.0	7.9
10°-20°	121.8	22.3
20°-30°	168.4	30.9
30°-40°	144.2	26.4
40°-50°	61.3	11.2
50°-60°	6.8	1.3
60°-70°	0.0	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°	333.2	61.1
0°-40°	477.3	87.5
0°-60°	545.5	100.0
0°-90°	545.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	545.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	455	
5°	453	43
15°	432	122
25°	369	168
35°	234	144
45°	77	61
55°	4	7
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	455.3
2.5°	454.0
5°	452.8
7.5°	450.3
10°	445.2
12.5°	442.7
15°	432.5
17.5°	423.7
20°	409.8
22.5°	393.3
25°	369.3
27.5°	342.8
30°	312.4
32.5°	275.7
35°	234.0
37.5°	191.0
40°	148.0
42.5°	110.0
45°	77.2
47.5°	48.1
50°	27.8
52.5°	13.9
55°	3.8
57.5°	0.0
60°	0.0
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
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)