

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: P251992

Luminaire Tested: **LD4B15D010 EU4B10209030 4LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P251992
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-3)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD4B15D010 EU4B10209030 4LBBA1MW
Description: PORTFOLIO 4 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1529.0 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 0.99
Luminous Opening: Circular (Dia: 0.38' x H: 0')
CIE Type: Direct

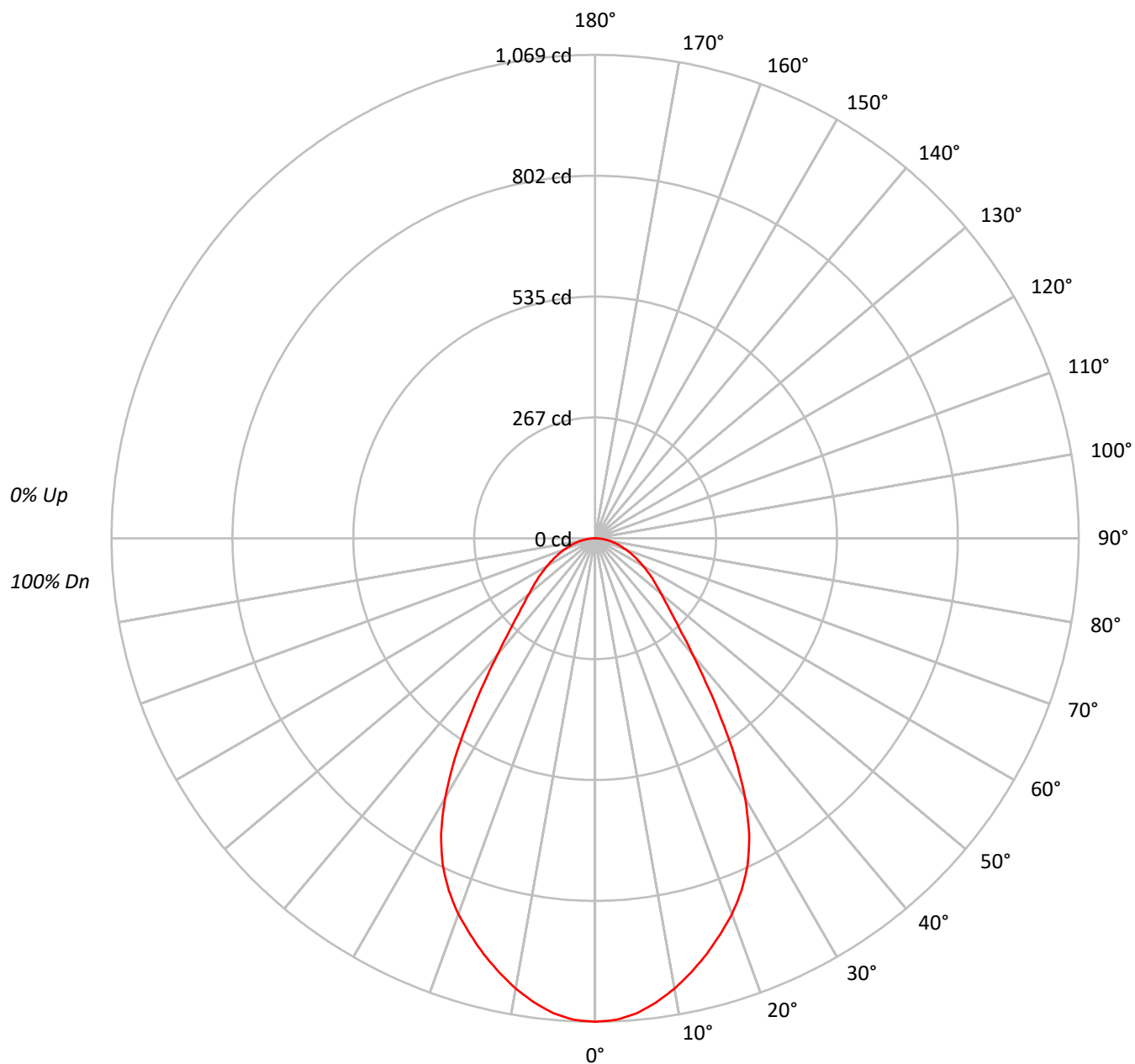
Input Watts (W): 14.39
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88	
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78	
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69	
4	89	80	72	67	87	78	72	66	76	70	65	74	69	65	72	67	64	62	
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	62	58	56	
6	78	67	59	54	77	66	59	54	64	58	53	63	57	53	61	56	53	51	
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46	
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43	
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39	
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	104212
5°	103143
10°	100050
15°	96033
20°	91713
25°	85768
30°	74656
35°	57607
40°	42620
45°	33547
50°	28807
55°	26201
60°	23877
65°	22092
70°	20431
75°	19129
80°	17791
85°	16773



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.2	6.5
10°-20°	267.5	17.5
20°-30°	361.9	23.7
30°-40°	304.1	19.9
40°-50°	192.5	12.6
50°-60°	138.2	9.0
60°-70°	95.1	6.2
70°-80°	53.8	3.5
80°-90°	16.6	1.1
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°	728.7	47.7
0°-40°	1032.8	67.5
0°-60°	1363.5	89.2
0°-90°	1529.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1529.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1069	
5°	1054	99
15°	952	267
25°	798	362
35°	484	304
45°	243	192
55°	154	138
65°	96	95
75°	51	54
85°	15	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1069.3
2.5°	1066.0
5°	1054.3
7.5°	1035.1
10°	1011.0
12.5°	982.6
15°	951.8
17.5°	918.5
20°	884.3
22.5°	844.3
25°	797.6
27.5°	737.6
30°	663.4
32.5°	576.7
35°	484.2
37.5°	402.6
40°	335.0
42.5°	282.5
45°	243.4
47.5°	213.4
50°	190.0
52.5°	170.9
55°	154.2
57.5°	137.5
60°	122.5
62.5°	108.3
65°	95.8
67.5°	83.3
70°	71.7
72.5°	60.8
75°	50.8
77.5°	40.8
80°	31.7
82.5°	23.3
85°	15.0
87.5°	6.7
90°	0.0



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— 0°-180°







(END OF REPORT)