

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: P252772

Luminaire Tested: **LD6B15D010 EU6B10209030 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252772
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-2)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B15D010 EU6B10209030 6LBBA1MW
Description: PORTFOLIO 6 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: 1594.0 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

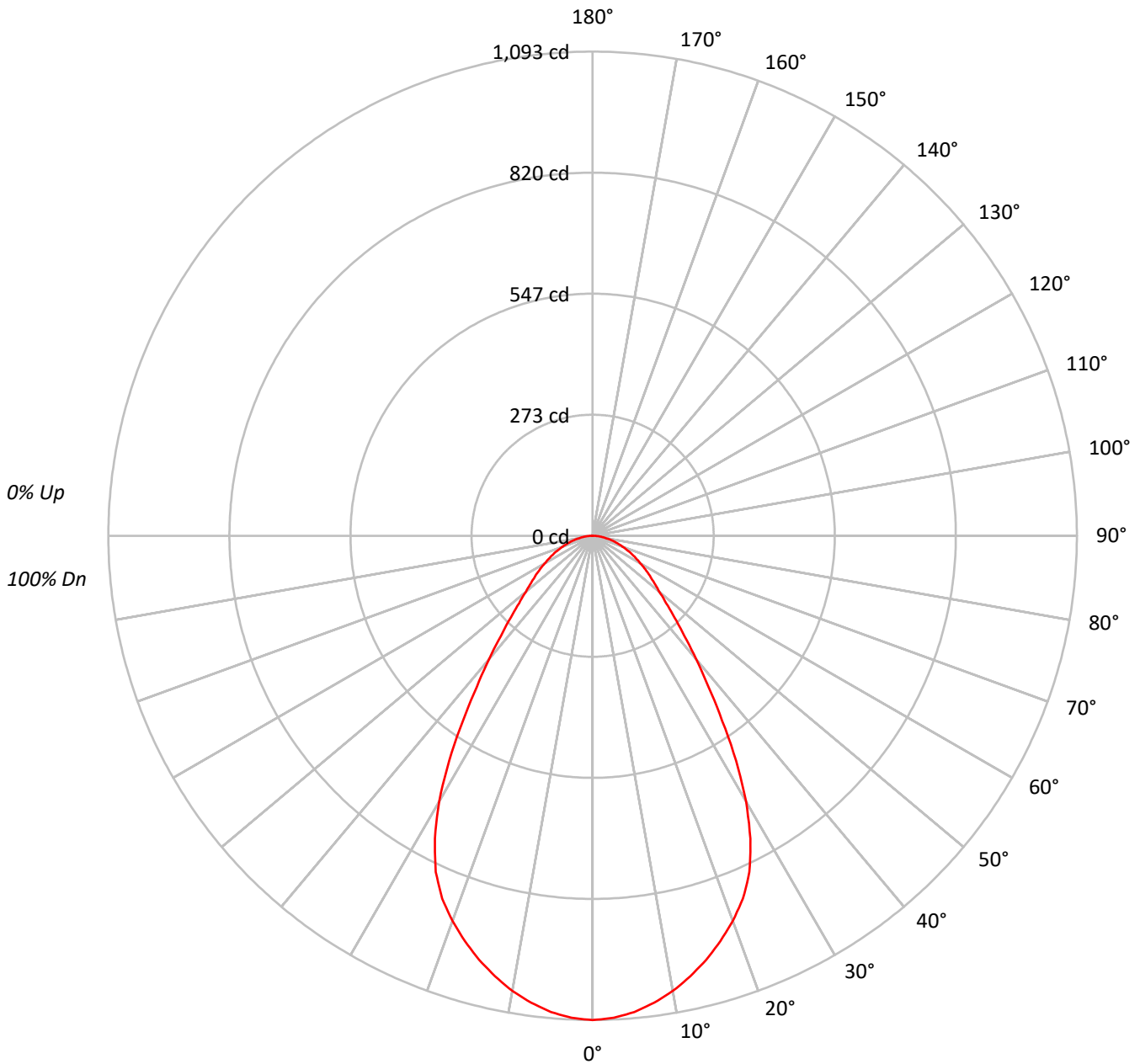
Input Watts (W): 14.39
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	71328
5°	70670
10°	69116
15°	66921
20°	64221
25°	60287
30°	52168
35°	40618
40°	30873
45°	24062
50°	19964
55°	17915
60°	16310
65°	15051
70°	13829
75°	12805
80°	11572
85°	10629



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.9	6.4
10°-20°	278.4	17.5
20°-30°	379.1	23.8
30°-40°	320.8	20.1
40°-50°	205.8	12.9
50°-60°	141.6	8.9
60°-70°	96.8	6.1
70°-80°	53.8	3.4
80°-90°	15.8	1.0
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°	759.4	47.6
0°-40°	1080.2	67.8
0°-60°	1427.7	89.6
0°-90°	1594.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1594.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1093	
5°	1079	102
15°	991	278
25°	838	379
35°	510	321
45°	261	206
55°	158	142
65°	98	97
75°	51	54
85°	14	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1093.3
2.5°	1089.1
5°	1079.1
7.5°	1063.3
10°	1043.3
12.5°	1018.3
15°	990.8
17.5°	959.1
20°	925.0
22.5°	886.6
25°	837.5
27.5°	770.8
30°	692.5
32.5°	602.5
35°	510.0
37.5°	429.2
40°	362.5
42.5°	306.7
45°	260.8
47.5°	225.0
50°	196.7
52.5°	175.0
55°	157.5
57.5°	140.8
60°	125.0
62.5°	110.8
65°	97.5
67.5°	84.2
70°	72.5
72.5°	60.8
75°	50.8
77.5°	40.8
80°	30.8
82.5°	22.5
85°	14.2
87.5°	5.8
90°	0.0



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— 0°-180°







(END OF REPORT)