

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: P252776

Luminaire Tested: **LD6B15D010 EU6B10209727 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252776
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 EU6B10209727 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 97CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1332.0 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

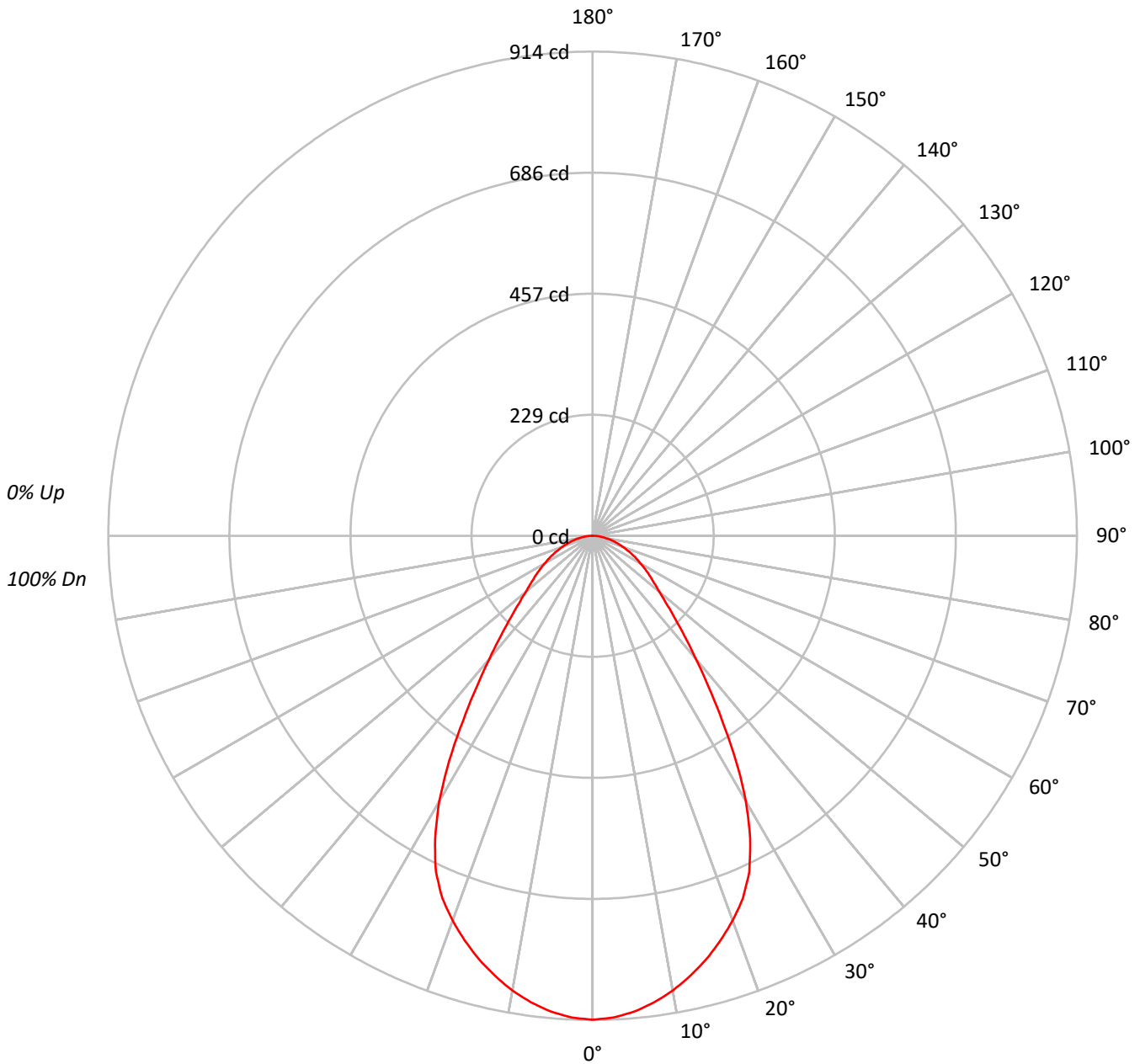
Input Watts (W): 14.39
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	59604
5°	59059
10°	57754
15°	55918
20°	53661
25°	50375
30°	43595
35°	33944
40°	25797
45°	20114
50°	16676
55°	14969
60°	13635
65°	12581
70°	11560
75°	10713
80°	9693
85°	8833



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.1	6.4
10°-20°	232.6	17.5
20°-30°	316.8	23.8
30°-40°	268.1	20.1
40°-50°	172.0	12.9
50°-60°	118.3	8.9
60°-70°	80.9	6.1
70°-80°	45.0	3.4
80°-90°	13.2	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°	634.6	47.6
0°-40°	902.7	67.8
0°-60°	1193.0	89.6
0°-90°	1332.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1332.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	914	
5°	902	85
15°	828	233
25°	700	317
35°	426	268
45°	218	172
55°	132	118
65°	82	81
75°	42	45
85°	12	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	913.6
2.5°	910.1
5°	901.8
7.5°	888.5
10°	871.8
12.5°	850.9
15°	827.9
17.5°	801.5
20°	772.9
22.5°	740.9
25°	699.8
27.5°	644.1
30°	578.7
32.5°	503.5
35°	426.2
37.5°	358.6
40°	302.9
42.5°	256.3
45°	218.0
47.5°	188.0
50°	164.3
52.5°	146.2
55°	131.6
57.5°	117.7
60°	104.5
62.5°	92.6
65°	81.5
67.5°	70.3
70°	60.6
72.5°	50.8
75°	42.5
77.5°	34.1
80°	25.8
82.5°	18.8
85°	11.8
87.5°	4.9
90°	0.0



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— 0°-180°







(END OF REPORT)