

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: P252759

Luminaire Tested: **LD6B10D010 EU6B10209030 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252759
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: LD6B10D010 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: 1155.0 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

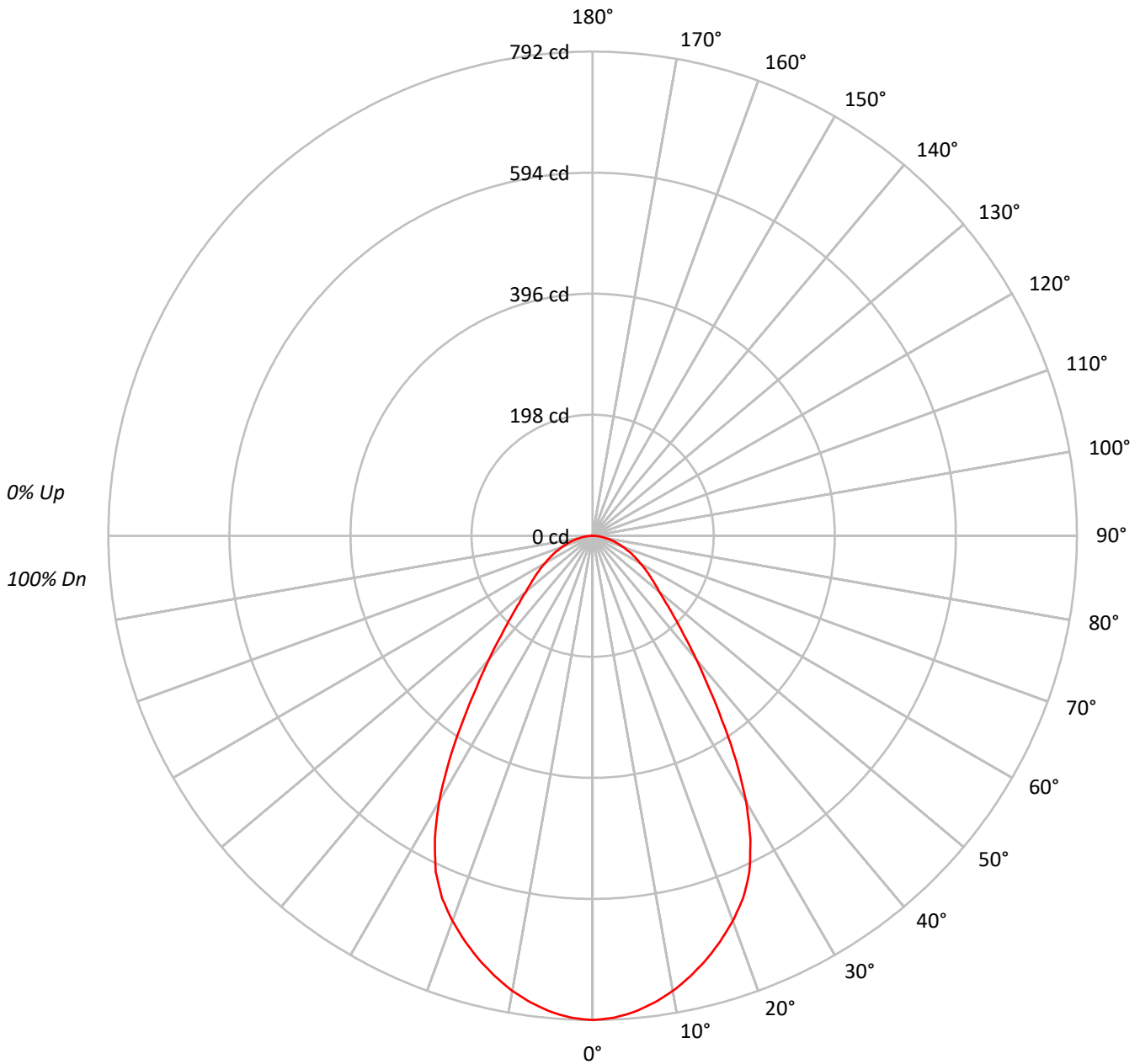
Input Watts (W): 10.05
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	51684
5°	51207
10°	50083
15°	48488
20°	46530
25°	43681
30°	37802
35°	29428
40°	22373
45°	17438
50°	14463
55°	12978
60°	11822
65°	10899
70°	10014
75°	9276
80°	8378
85°	7710



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.8	6.4
10°-20°	201.7	17.5
20°-30°	274.7	23.8
30°-40°	232.5	20.1
40°-50°	149.1	12.9
50°-60°	102.6	8.9
60°-70°	70.1	6.1
70°-80°	39.0	3.4
80°-90°	11.4	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°	550.2	47.6
0°-40°	782.7	67.8
0°-60°	1034.5	89.6
0°-90°	1155.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1155.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	792	
5°	782	74
15°	718	202
25°	607	275
35°	370	232
45°	189	149
55°	114	103
65°	71	70
75°	37	39
85°	10	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	792.2
2.5°	789.2
5°	781.9
7.5°	770.5
10°	756.0
12.5°	737.9
15°	717.9
17.5°	695.0
20°	670.2
22.5°	642.4
25°	606.8
27.5°	558.5
30°	501.8
32.5°	436.6
35°	369.5
37.5°	311.0
40°	262.7
42.5°	222.2
45°	189.0
47.5°	163.0
50°	142.5
52.5°	126.8
55°	114.1
57.5°	102.0
60°	90.6
62.5°	80.3
65°	70.6
67.5°	61.0
70°	52.5
72.5°	44.1
75°	36.8
77.5°	29.6
80°	22.3
82.5°	16.3
85°	10.3
87.5°	4.2
90°	0.0



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— 0°-180°







(END OF REPORT)