

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: P252756

Luminaire Tested: **LD6B10D010 EU6B10208050 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252756
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 EU6B10208050 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1401.0 lumens
Efficiency: N/A
Efficacy: 139.4 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

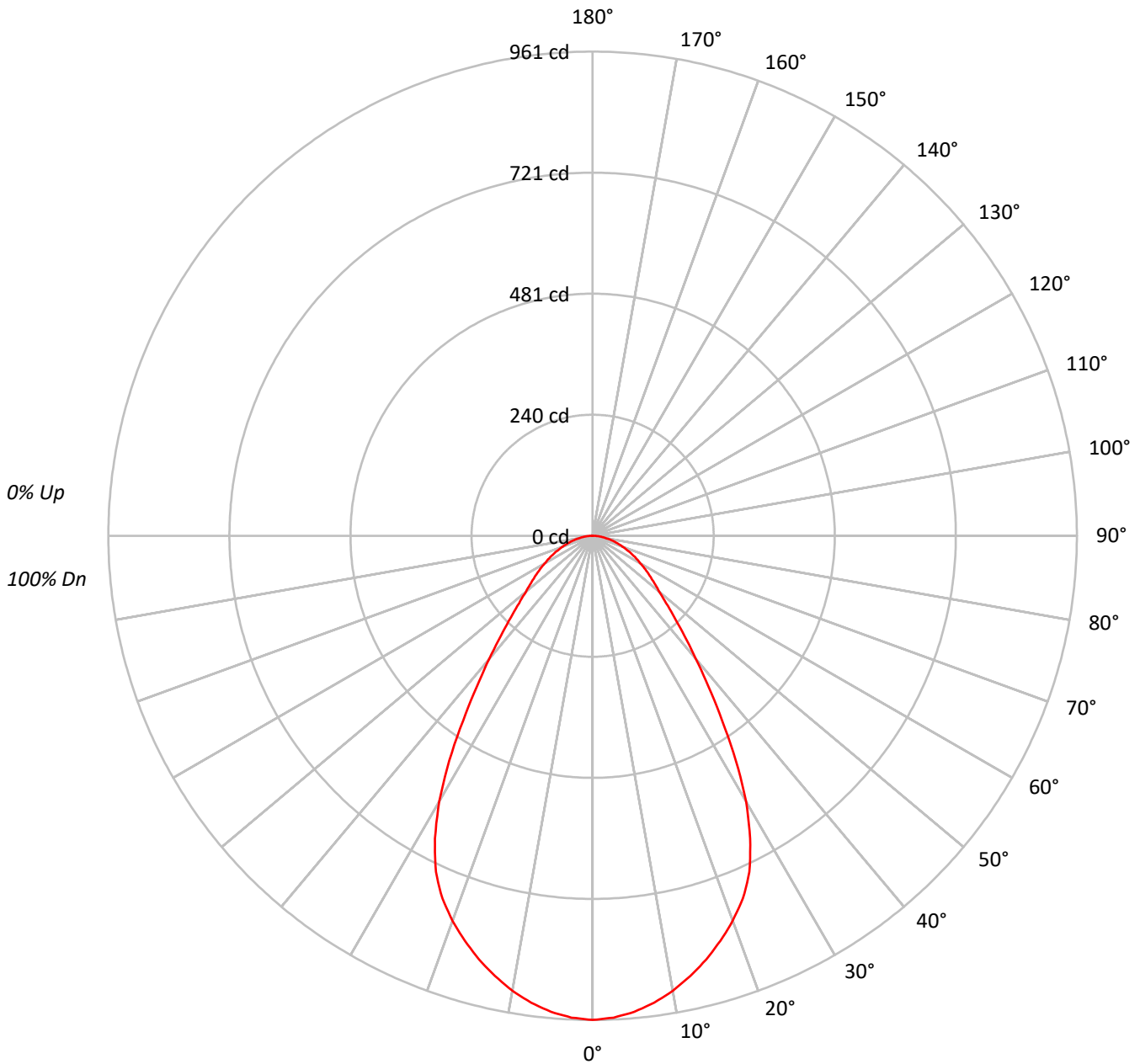
Input Watts (W): 10.05
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	62690
5°	62117
10°	60749
15°	58816
20°	56445
25°	52988
30°	45848
35°	35696
40°	27134
45°	21147
50°	17539
55°	15742
60°	14340
65°	13230
70°	12151
75°	11268
80°	10182
85°	9357



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.5	6.4
10°-20°	244.7	17.5
20°-30°	333.2	23.8
30°-40°	282.0	20.1
40°-50°	180.9	12.9
50°-60°	124.5	8.9
60°-70°	85.0	6.1
70°-80°	47.3	3.4
80°-90°	13.9	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°	667.4	47.6
0°-40°	949.4	67.8
0°-60°	1254.8	89.6
0°-90°	1401.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1401.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	961	
5°	948	90
15°	871	245
25°	736	333
35°	448	282
45°	229	181
55°	138	124
65°	86	85
75°	45	47
85°	12	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	960.9
2.5°	957.3
5°	948.5
7.5°	934.6
10°	917.0
12.5°	895.0
15°	870.8
17.5°	843.0
20°	813.0
22.5°	779.3
25°	736.1
27.5°	677.5
30°	608.6
32.5°	529.5
35°	448.2
37.5°	377.2
40°	318.6
42.5°	269.5
45°	229.2
47.5°	197.8
50°	172.8
52.5°	153.8
55°	138.4
57.5°	123.8
60°	109.9
62.5°	97.4
65°	85.7
67.5°	74.0
70°	63.7
72.5°	53.5
75°	44.7
77.5°	35.9
80°	27.1
82.5°	19.8
85°	12.5
87.5°	5.1
90°	0.0



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— 0°-180°







(END OF REPORT)