

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: P252836

Luminaire Tested: **LD6B60D010TE EU6B60709027 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252836
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: LD6B60D010TE EU6B60709027 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6241.0 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

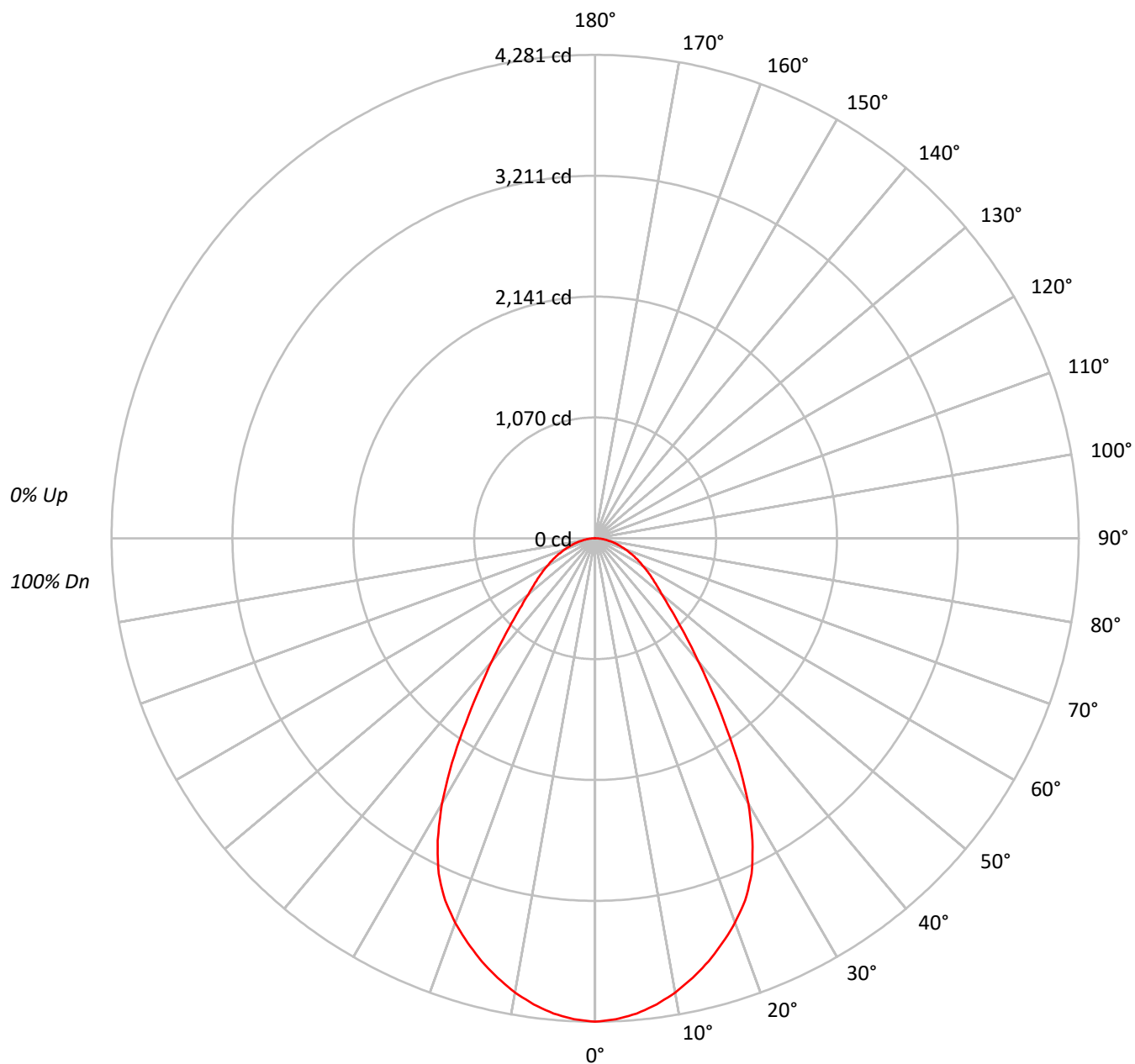
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	279269
5°	276701
10°	270606
15°	262016
20°	251432
25°	236039
30°	204251
35°	159025
40°	120867
45°	94220
50°	78152
55°	70134
60°	63858
65°	58924
70°	54135
75°	50162
80°	45348
85°	41545



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.8	6.4
10°-20°	1090.0	17.5
20°-30°	1484.5	23.8
30°-40°	1256.1	20.1
40°-50°	805.8	12.9
50°-60°	554.5	8.9
60°-70°	378.8	6.1
70°-80°	210.8	3.4
80°-90°	61.7	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°	2973.2	47.6
0°-40°	4229.4	67.8
0°-60°	5589.7	89.6
0°-90°	6241.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6241.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4281	
5°	4225	399
15°	3879	1090
25°	3279	1484
35°	1997	1256
45°	1021	806
55°	617	555
65°	382	379
75°	199	211
85°	56	62
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4280.6
2.5°	4264.3
5°	4225.1
7.5°	4163.1
10°	4084.8
12.5°	3986.9
15°	3879.3
17.5°	3755.3
20°	3621.5
22.5°	3471.4
25°	3279.0
27.5°	3017.9
30°	2711.3
32.5°	2358.9
35°	1996.7
37.5°	1680.3
40°	1419.2
42.5°	1200.7
45°	1021.2
47.5°	880.9
50°	770.0
52.5°	685.2
55°	616.6
57.5°	551.4
60°	489.4
62.5°	433.9
65°	381.7
67.5°	329.5
70°	283.8
72.5°	238.2
75°	199.0
77.5°	159.9
80°	120.7
82.5°	88.1
85°	55.5
87.5°	22.8
90°	0.0



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— 0°-180°







(END OF REPORT)