

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: P252841

Luminaire Tested: **LD6B60D010TE EU6B60709727 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252841
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 EU6B60709727 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: 5427.0 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

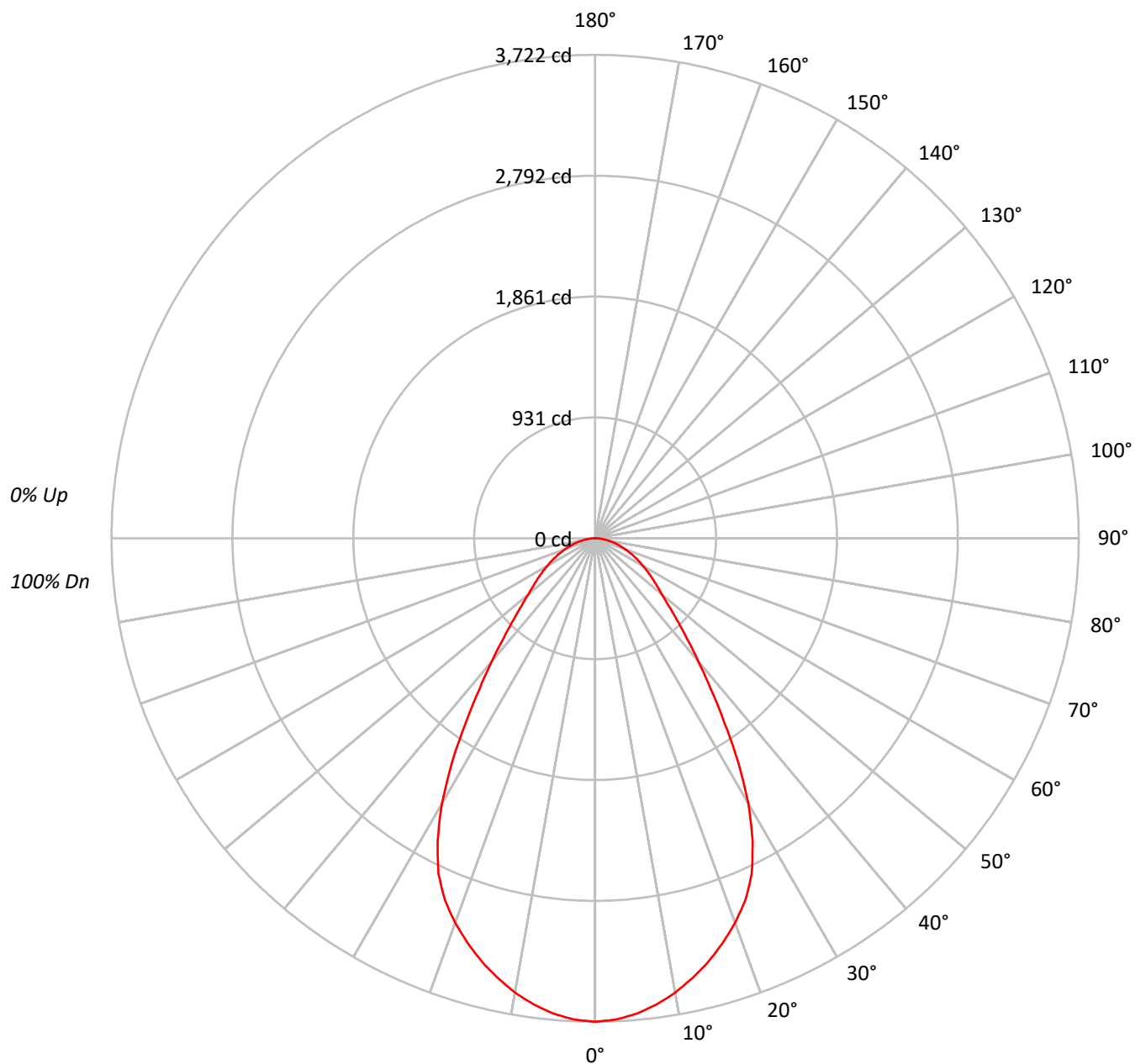
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	242845
5°	240610
10°	235316
15°	227840
20°	218641
25°	205251
30°	177606
35°	138286
40°	105103
45°	81931
50°	67962
55°	60989
60°	55533
65°	51236
70°	47077
75°	43633
80°	39449
85°	36080



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.8	6.4
10°-20°	947.8	17.5
20°-30°	1290.8	23.8
30°-40°	1092.3	20.1
40°-50°	700.7	12.9
50°-60°	482.2	8.9
60°-70°	329.4	6.1
70°-80°	183.3	3.4
80°-90°	53.6	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°	2585.4	47.6
0°-40°	3677.7	67.8
0°-60°	4860.7	89.6
0°-90°	5427.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5427.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3722	
5°	3674	347
15°	3373	948
25°	2851	1291
35°	1736	1092
45°	888	701
55°	536	482
65°	332	329
75°	173	183
85°	48	54
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3722.3
2.5°	3708.1
5°	3674.0
7.5°	3620.1
10°	3552.1
12.5°	3466.9
15°	3373.3
17.5°	3265.5
20°	3149.2
22.5°	3018.7
25°	2851.3
27.5°	2624.3
30°	2357.6
32.5°	2051.2
35°	1736.3
37.5°	1461.1
40°	1234.1
42.5°	1044.1
45°	888.0
47.5°	766.0
50°	669.6
52.5°	595.8
55°	536.2
57.5°	479.5
60°	425.6
62.5°	377.3
65°	331.9
67.5°	286.5
70°	246.8
72.5°	207.1
75°	173.1
77.5°	139.0
80°	105.0
82.5°	76.6
85°	48.2
87.5°	19.9
90°	0.0



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— 0°-180°







(END OF REPORT)