

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: P252830

Luminaire Tested: **LD6B60D010TE EU6B60708027 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252830
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 EU6B60708027 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7268.0 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

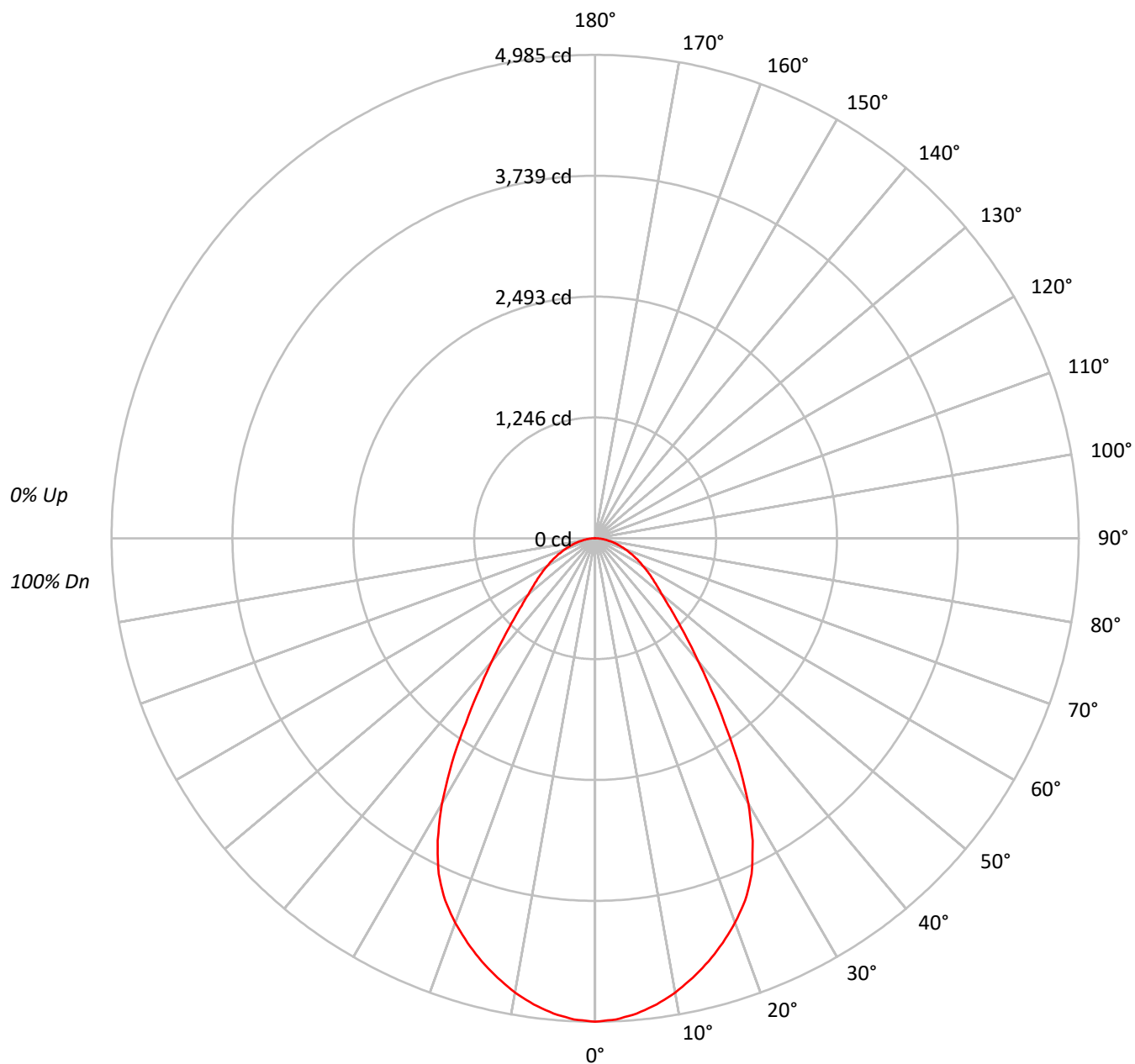
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	325225
5°	322236
10°	315137
15°	305128
20°	292811
25°	274875
30°	237858
35°	185196
40°	140762
45°	109730
50°	91012
55°	81679
60°	74361
65°	68619
70°	63062
75°	58430
80°	52824
85°	48356



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	464.4	6.4
10°-20°	1269.3	17.5
20°-30°	1728.7	23.8
30°-40°	1462.9	20.1
40°-50°	938.4	12.9
50°-60°	645.8	8.9
60°-70°	441.1	6.1
70°-80°	245.5	3.4
80°-90°	71.8	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°	3462.5	47.6
0°-40°	4925.3	67.8
0°-60°	6509.5	89.6
0°-90°	7268.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7268.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4985	
5°	4920	464
15°	4518	1269
25°	3818	1729
35°	2325	1463
45°	1189	938
55°	718	646
65°	444	441
75°	232	246
85°	65	72
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4985.0
2.5°	4966.0
5°	4920.4
7.5°	4848.2
10°	4757.0
12.5°	4643.0
15°	4517.6
17.5°	4373.3
20°	4217.5
22.5°	4042.7
25°	3818.5
27.5°	3514.6
30°	3157.4
32.5°	2747.1
35°	2325.3
37.5°	1956.8
40°	1652.8
42.5°	1398.2
45°	1189.3
47.5°	1025.9
50°	896.7
52.5°	797.9
55°	718.1
57.5°	642.1
60°	569.9
62.5°	505.3
65°	444.5
67.5°	383.8
70°	330.6
72.5°	277.4
75°	231.8
77.5°	186.2
80°	140.6
82.5°	102.6
85°	64.6
87.5°	26.6
90°	0.0



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— 0°-180°







(END OF REPORT)