

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: P252834

Luminaire Tested: **LD6B60D010TE EU6B60708050 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252834
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 EU6B60708050 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: 7866.0 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

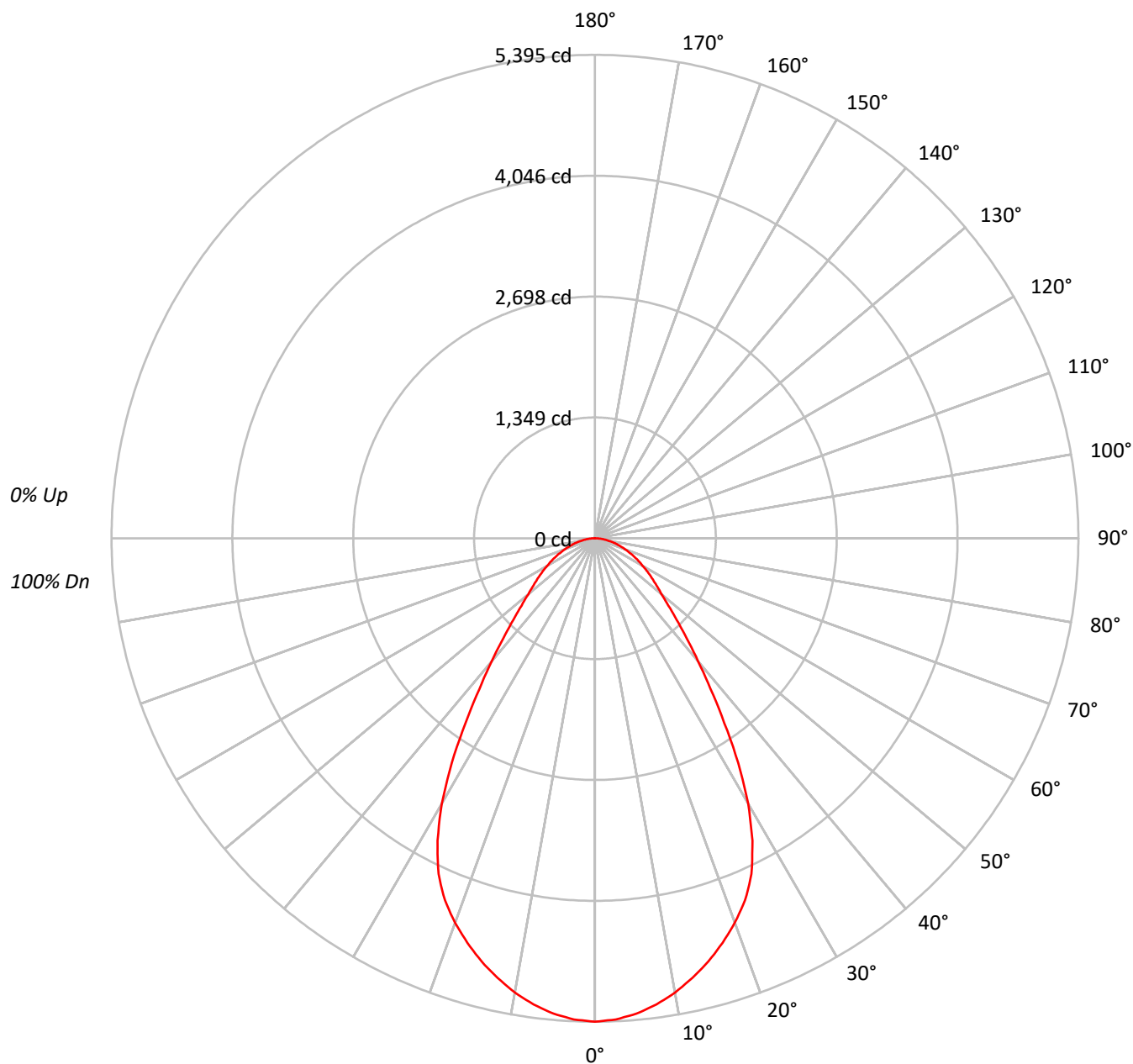
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	351980
5°	348746
10°	341066
15°	330233
20°	316902
25°	297493
30°	257429
35°	200432
40°	152344
45°	118753
50°	98502
55°	88401
60°	80481
65°	74269
70°	68251
75°	63219
80°	57145
85°	52324



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	502.6	6.4
10°-20°	1373.7	17.5
20°-30°	1871.0	23.8
30°-40°	1583.2	20.1
40°-50°	1015.7	12.9
50°-60°	698.9	8.9
60°-70°	477.4	6.1
70°-80°	265.7	3.4
80°-90°	77.7	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°	3747.4	47.6
0°-40°	5330.6	67.8
0°-60°	7045.2	89.6
0°-90°	7866.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7866.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5395	
5°	5325	503
15°	4889	1374
25°	4133	1871
35°	2517	1583
45°	1287	1016
55°	777	699
65°	481	477
75°	251	266
85°	70	78
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5395.1
2.5°	5374.6
5°	5325.2
7.5°	5247.1
10°	5148.4
12.5°	5025.0
15°	4889.3
17.5°	4733.1
20°	4564.5
22.5°	4375.3
25°	4132.7
27.5°	3803.7
30°	3417.2
32.5°	2973.1
35°	2516.6
37.5°	2117.8
40°	1788.8
42.5°	1513.3
45°	1287.1
47.5°	1110.3
50°	970.5
52.5°	863.6
55°	777.2
57.5°	695.0
60°	616.8
62.5°	546.9
65°	481.1
67.5°	415.3
70°	357.8
72.5°	300.2
75°	250.8
77.5°	201.5
80°	152.1
82.5°	111.0
85°	69.9
87.5°	28.8
90°	0.0



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— 0°-180°







(END OF REPORT)