

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: P252852

Luminaire Tested: **LD6B70D010TE EU6B60709040 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252852
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: LD6B70D010TE EU6B60709040 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7825.0 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

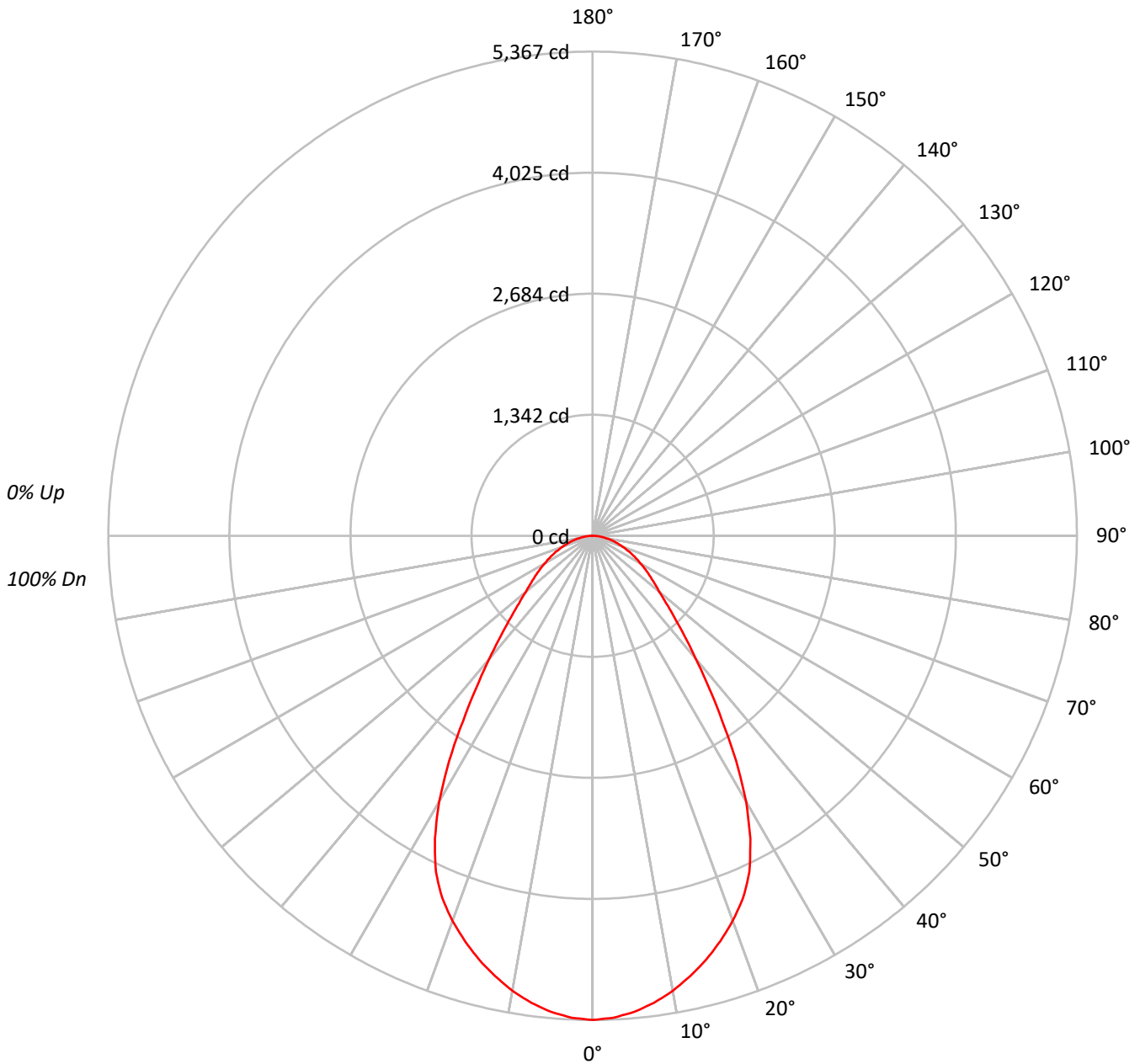
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	350146
5°	346932
10°	339291
15°	328518
20°	315250
25°	295945
30°	256088
35°	199389
40°	151552
45°	118135
50°	97985
55°	87935
60°	80063
65°	73883
70°	67888
75°	62892
80°	56882
85°	52024



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	500.0	6.4
10°-20°	1366.6	17.5
20°-30°	1861.2	23.8
30°-40°	1575.0	20.1
40°-50°	1010.4	12.9
50°-60°	695.3	8.9
60°-70°	475.0	6.1
70°-80°	264.3	3.4
80°-90°	77.3	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°	3727.8	47.6
0°-40°	5302.8	67.8
0°-60°	7008.4	89.6
0°-90°	7825.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7825.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5367	
5°	5298	500
15°	4864	1367
25°	4111	1861
35°	2504	1575
45°	1280	1010
55°	773	695
65°	479	475
75°	250	264
85°	70	77
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5367.0
2.5°	5346.6
5°	5297.5
7.5°	5219.8
10°	5121.6
12.5°	4998.9
15°	4863.9
17.5°	4708.4
20°	4540.7
22.5°	4352.5
25°	4111.2
27.5°	3783.9
30°	3399.4
32.5°	2957.6
35°	2503.5
37.5°	2106.7
40°	1779.5
42.5°	1505.4
45°	1280.4
47.5°	1104.5
50°	965.4
52.5°	859.1
55°	773.1
57.5°	691.3
60°	613.6
62.5°	544.1
65°	478.6
67.5°	413.2
70°	355.9
72.5°	298.6
75°	249.5
77.5°	200.4
80°	151.4
82.5°	110.4
85°	69.5
87.5°	28.6
90°	0.0



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— 0°-180°







(END OF REPORT)