

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: P252850

Luminaire Tested: **LD6B70D010TE EU6B60709030 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252850
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 EU6B60709030 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7701.0 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

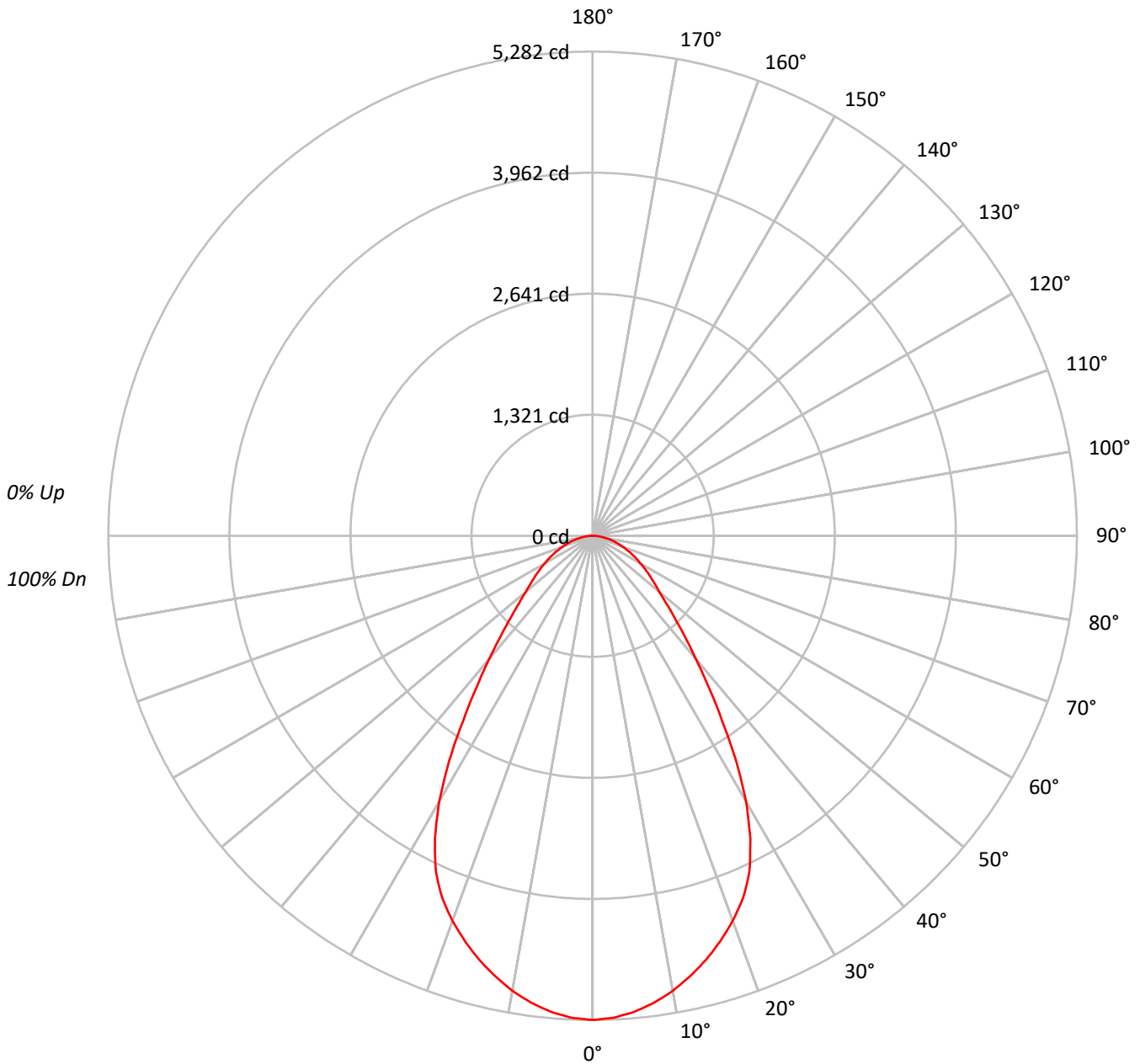
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	344601
5°	341431
10°	333912
15°	323310
20°	310251
25°	291252
30°	252028
35°	196227
40°	149150
45°	116262
50°	96432
55°	86547
60°	78798
65°	72709
70°	66820
75°	61908
80°	55980
85°	51201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	492.1	6.4
10°-20°	1344.9	17.5
20°-30°	1831.7	23.8
30°-40°	1550.0	20.1
40°-50°	994.3	12.9
50°-60°	684.2	8.9
60°-70°	467.4	6.1
70°-80°	260.1	3.4
80°-90°	76.1	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°	3668.7	47.6
0°-40°	5218.7	67.8
0°-60°	6897.3	89.6
0°-90°	7701.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7701.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5282	
5°	5214	492
15°	4787	1345
25°	4046	1832
35°	2464	1550
45°	1260	994
55°	761	684
65°	471	467
75°	246	260
85°	68	76
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5282.0
2.5°	5261.8
5°	5213.5
7.5°	5137.0
10°	5040.4
12.5°	4919.6
15°	4786.8
17.5°	4633.8
20°	4468.7
22.5°	4283.5
25°	4046.0
27.5°	3723.9
30°	3345.5
32.5°	2910.7
35°	2463.8
37.5°	2073.3
40°	1751.3
42.5°	1481.5
45°	1260.1
47.5°	1087.0
50°	950.1
52.5°	845.4
55°	760.9
57.5°	680.4
60°	603.9
62.5°	535.4
65°	471.0
67.5°	406.6
70°	350.3
72.5°	293.9
75°	245.6
77.5°	197.3
80°	149.0
82.5°	108.7
85°	68.4
87.5°	28.2
90°	0.0



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— 0°-180°







(END OF REPORT)