

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: P252843

Luminaire Tested: **LD6B70D010TE EU6B60708027 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252843
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 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: 8626.1 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

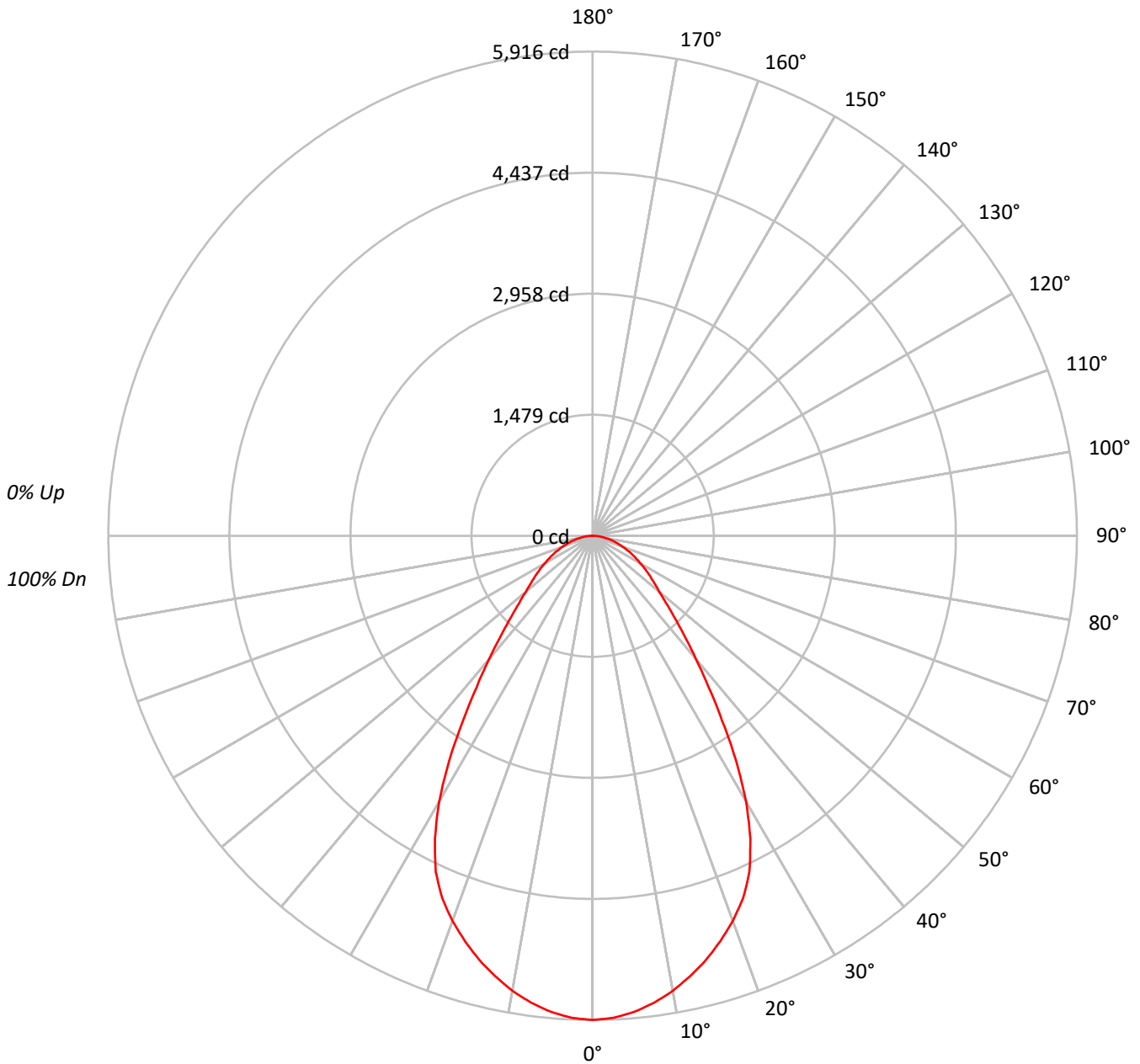
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	385990
5°	382441
10°	374018
15°	362140
20°	347520
25°	326236
30°	282304
35°	219802
40°	167061
45°	130231
50°	108012
55°	96944
60°	88258
65°	81447
70°	74832
75°	69345
80°	62668
85°	57414



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	551.2	6.4
10°-20°	1506.5	17.5
20°-30°	2051.7	23.8
30°-40°	1736.2	20.1
40°-50°	1113.8	12.9
50°-60°	766.4	8.9
60°-70°	523.6	6.1
70°-80°	291.3	3.4
80°-90°	85.3	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°	4109.4	47.6
0°-40°	5845.6	67.8
0°-60°	7725.8	89.6
0°-90°	8626.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8626.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5916	
5°	5840	551
15°	5362	1506
25°	4532	2052
35°	2760	1736
45°	1412	1114
55°	852	766
65°	528	524
75°	275	291
85°	77	85
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5916.4
2.5°	5893.9
5°	5839.7
7.5°	5754.1
10°	5645.8
12.5°	5510.6
15°	5361.7
17.5°	5190.4
20°	5005.5
22.5°	4798.1
25°	4532.0
27.5°	4171.2
30°	3747.4
32.5°	3260.3
35°	2759.8
37.5°	2322.4
40°	1961.6
42.5°	1659.5
45°	1411.5
47.5°	1217.6
50°	1064.2
52.5°	947.0
55°	852.3
57.5°	762.1
60°	676.4
62.5°	599.8
65°	527.6
67.5°	455.5
70°	392.3
72.5°	329.2
75°	275.1
77.5°	221.0
80°	166.8
82.5°	121.8
85°	76.7
87.5°	31.6
90°	0.0



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— 0°-180°







(END OF REPORT)