

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: P252846

Luminaire Tested: **LD6B70D010TE EU6B60708040 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252846
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 EU6B60708040 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9341.0 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

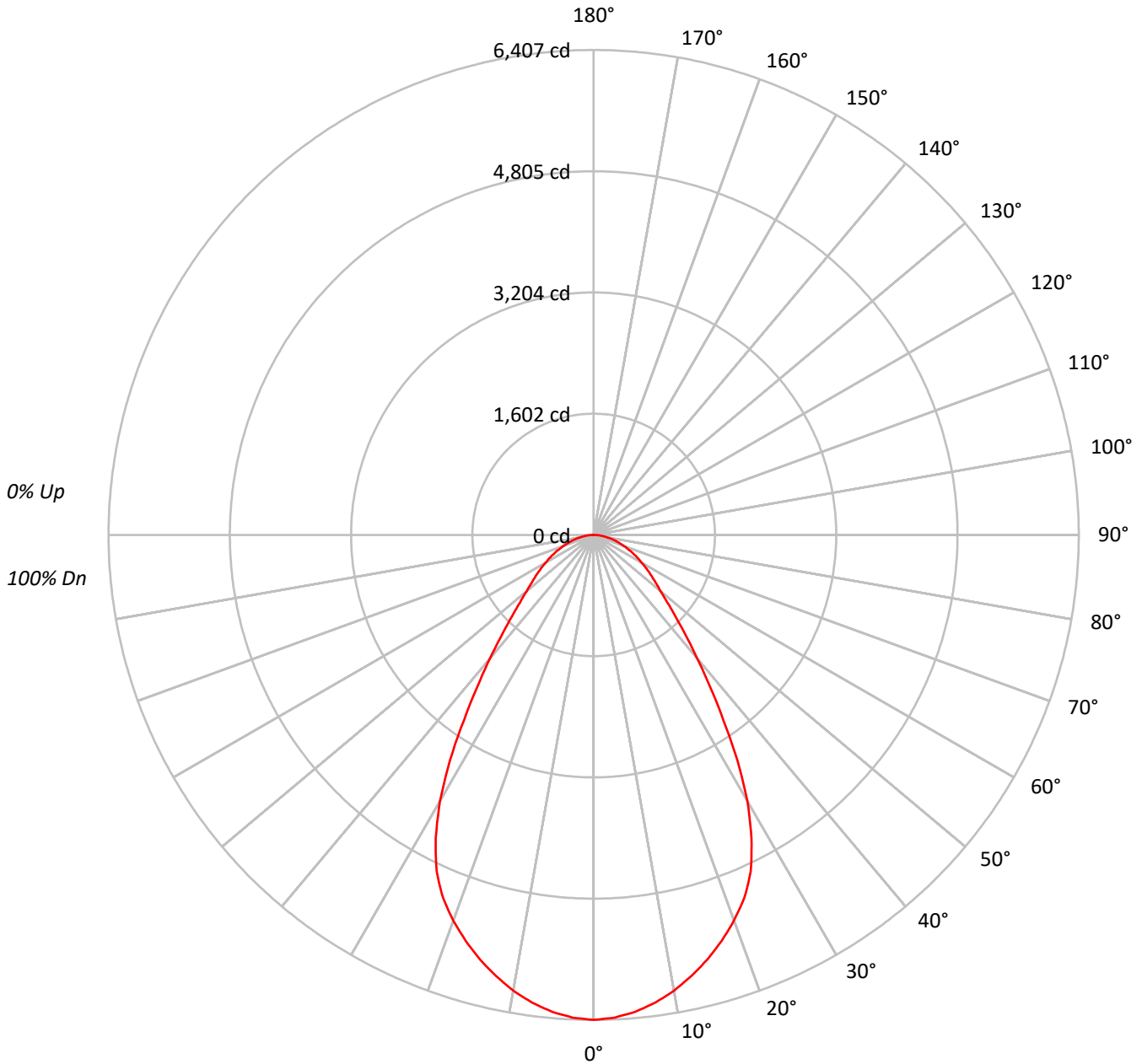
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	417984
5°	414145
10°	405021
15°	392163
20°	376325
25°	353281
30°	305703
35°	238016
40°	180909
45°	141026
50°	116964
55°	104974
60°	95578
65°	88193
70°	81031
75°	75092
80°	67890
85°	62130



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	596.9	6.4
10°-20°	1631.4	17.5
20°-30°	2221.8	23.8
30°-40°	1880.1	20.1
40°-50°	1206.1	12.9
50°-60°	830.0	8.9
60°-70°	567.0	6.1
70°-80°	315.5	3.4
80°-90°	92.3	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°	4450.1	47.6
0°-40°	6330.2	67.8
0°-60°	8366.2	89.6
0°-90°	9341.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9341.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6407	
5°	6324	597
15°	5806	1631
25°	4908	2222
35°	2988	1880
45°	1528	1206
55°	923	830
65°	571	567
75°	298	316
85°	83	92
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6406.8
2.5°	6382.4
5°	6323.8
7.5°	6231.0
10°	6113.8
12.5°	5967.3
15°	5806.2
17.5°	5620.6
20°	5420.4
22.5°	5195.8
25°	4907.7
27.5°	4517.0
30°	4058.0
32.5°	3530.6
35°	2988.5
37.5°	2514.9
40°	2124.2
42.5°	1797.0
45°	1528.5
47.5°	1318.5
50°	1152.4
52.5°	1025.5
55°	922.9
57.5°	825.3
60°	732.5
62.5°	649.5
65°	571.3
67.5°	493.2
70°	424.8
72.5°	356.5
75°	297.9
77.5°	239.3
80°	180.7
82.5°	131.8
85°	83.0
87.5°	34.2
90°	0.0



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— 0°-180°







(END OF REPORT)