

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: P252810

Luminaire Tested: **LD6B40D010 EU6B30509027 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252810
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: LD6B40D010 EU6B30509027 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4366.0 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

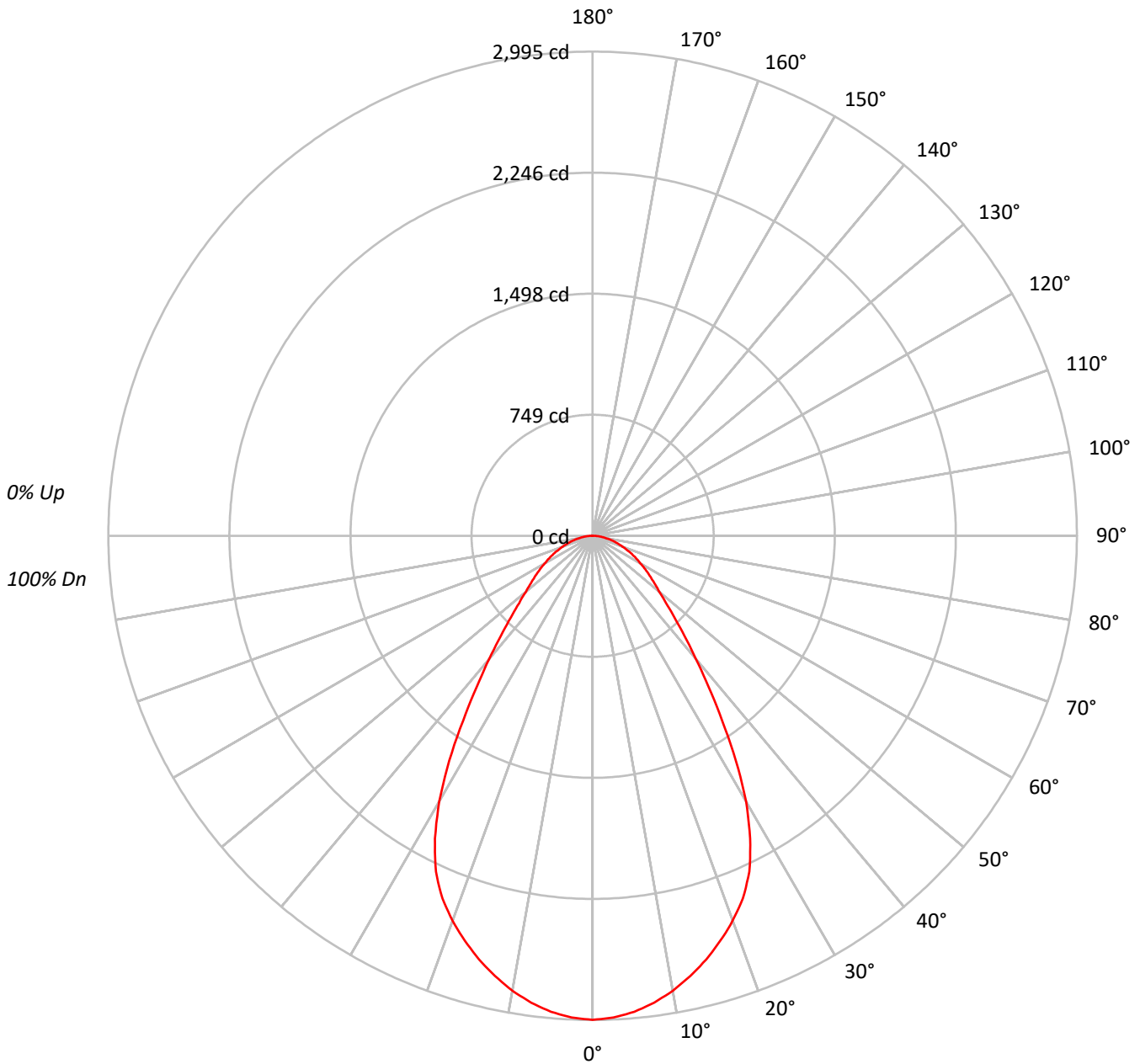
Input Watts (W): 43.02
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				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				100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88				88
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78				78
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69				69
4	90	80	72	67	87	78	72	66	76	70	66	74	69	65	72	68	64	62				62
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	62	58	56				56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51				51
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47				47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43				43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39				39
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37				37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	195370
5°	193575
10°	189308
15°	183296
20°	175895
25°	165119
30°	142885
35°	111255
40°	84561
45°	65914
50°	54676
55°	49069
60°	44677
65°	41217
70°	37883
75°	35088
80°	31747
85°	29044



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.0	6.4
10°-20°	762.5	17.5
20°-30°	1038.5	23.8
30°-40°	878.8	20.1
40°-50°	563.7	12.9
50°-60°	387.9	8.9
60°-70°	265.0	6.1
70°-80°	147.4	3.4
80°-90°	43.2	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°	2080.0	47.6
0°-40°	2958.7	67.8
0°-60°	3910.4	89.6
0°-90°	4366.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4366.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2995	
5°	2956	279
15°	2714	762
25°	2294	1038
35°	1397	879
45°	714	564
55°	431	388
65°	267	265
75°	139	147
85°	39	43
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2994.6
2.5°	2983.1
5°	2955.8
7.5°	2912.4
10°	2857.6
12.5°	2789.1
15°	2713.8
17.5°	2627.1
20°	2533.5
22.5°	2428.5
25°	2293.8
27.5°	2111.3
30°	1896.7
32.5°	1650.2
35°	1396.9
37.5°	1175.5
40°	992.9
42.5°	839.9
45°	714.4
47.5°	616.3
50°	538.7
52.5°	479.3
55°	431.4
57.5°	385.7
60°	342.4
62.5°	303.6
65°	267.0
67.5°	230.5
70°	198.6
72.5°	166.6
75°	139.2
77.5°	111.8
80°	84.5
82.5°	61.6
85°	38.8
87.5°	16.0
90°	0.0



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— 0°-180°







(END OF REPORT)