

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: P252814

Luminaire Tested: **LD6B40D010 EU6B30509050 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252814
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 EU6B30509050 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4632.1 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

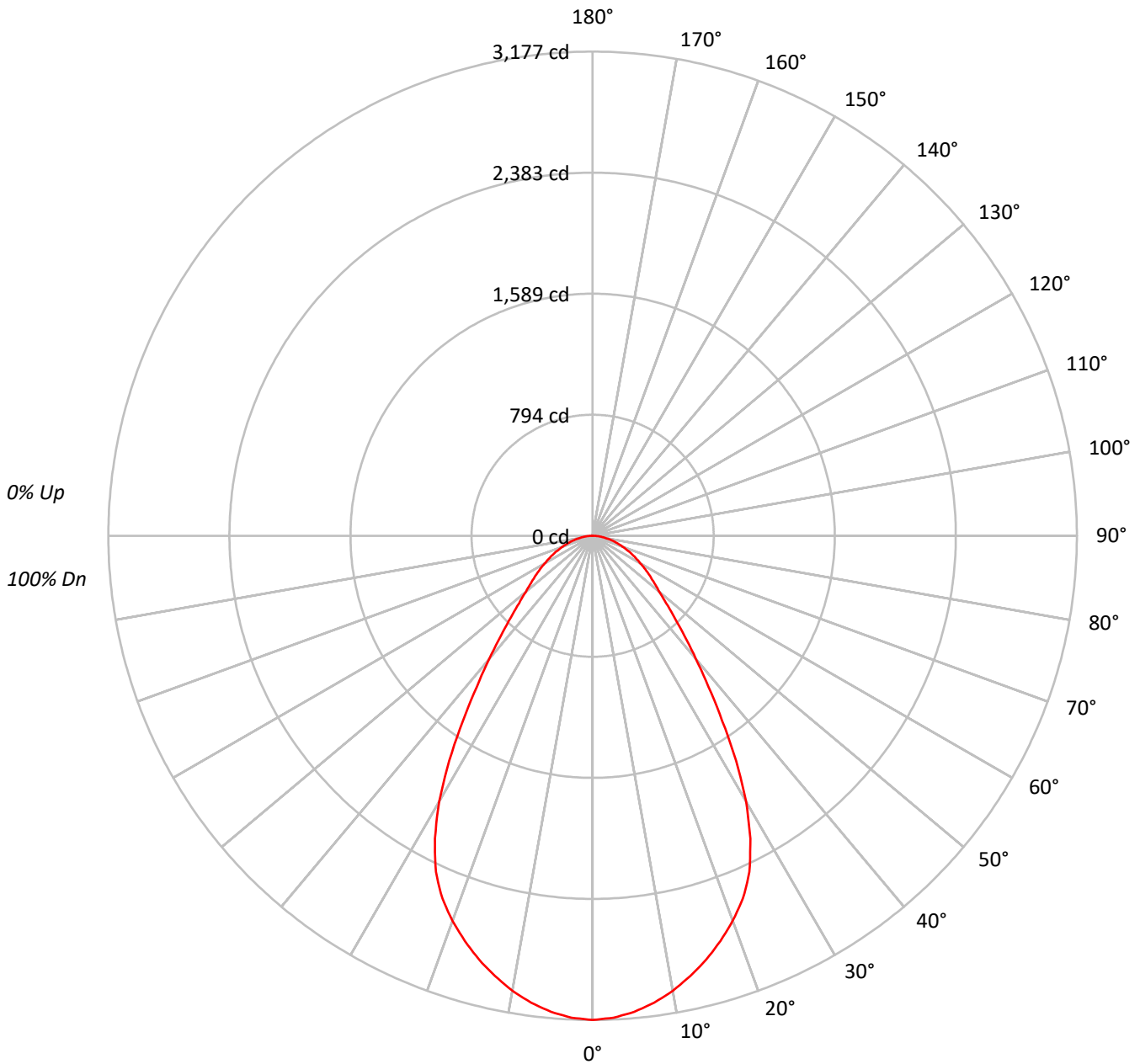
Input Watts (W): 43.02
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	207269
5°	205363
10°	200841
15°	194467
20°	186615
25°	175183
30°	151593
35°	118033
40°	89713
45°	69927
50°	58005
55°	52060
60°	47391
65°	43734
70°	40191
75°	37231
80°	33663
85°	30840



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.0	6.4
10°-20°	809.0	17.5
20°-30°	1101.8	23.8
30°-40°	932.3	20.1
40°-50°	598.1	12.9
50°-60°	411.6	8.9
60°-70°	281.2	6.1
70°-80°	156.5	3.4
80°-90°	45.8	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°	2206.7	47.6
0°-40°	3139.0	67.8
0°-60°	4148.6	89.6
0°-90°	4632.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4632.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3177	
5°	3136	296
15°	2879	809
25°	2434	1102
35°	1482	932
45°	758	598
55°	458	412
65°	283	281
75°	148	156
85°	41	46
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3177.0
2.5°	3164.9
5°	3135.8
7.5°	3089.8
10°	3031.7
12.5°	2959.1
15°	2879.2
17.5°	2787.1
20°	2687.9
22.5°	2576.5
25°	2433.6
27.5°	2239.9
30°	2012.3
32.5°	1750.7
35°	1482.0
37.5°	1247.1
40°	1053.4
42.5°	891.1
45°	757.9
47.5°	653.8
50°	571.5
52.5°	508.5
55°	457.7
57.5°	409.2
60°	363.2
62.5°	322.1
65°	283.3
67.5°	244.6
70°	210.7
72.5°	176.8
75°	147.7
77.5°	118.7
80°	89.6
82.5°	65.4
85°	41.2
87.5°	17.0
90°	0.0



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— 0°-180°







(END OF REPORT)