

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: P252811

Luminaire Tested: **LD6B40D010 EU6B30509030 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252811
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 EU6B30509030 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: 4539.0 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

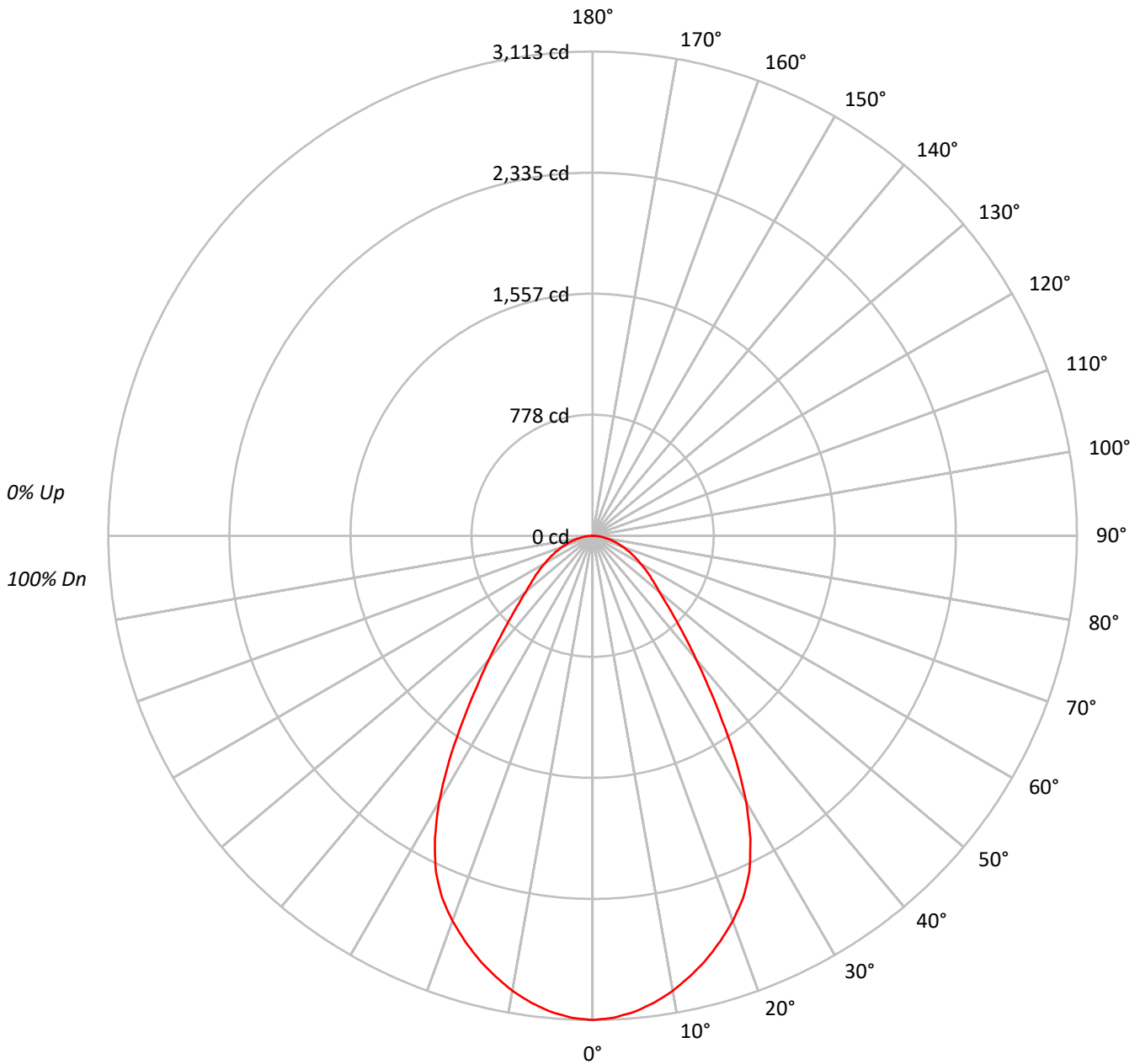
Input Watts (W): 43.02
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	203107
5°	201244
10°	196807
15°	190563
20°	182865
25°	171663
30°	148550
35°	115659
40°	87908
45°	68525
50°	56838
55°	51014
60°	46438
65°	42854
70°	39371
75°	36475
80°	32987
85°	30167



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.0	6.4
10°-20°	792.7	17.5
20°-30°	1079.6	23.8
30°-40°	913.6	20.1
40°-50°	586.1	12.9
50°-60°	403.3	8.9
60°-70°	275.5	6.1
70°-80°	153.3	3.4
80°-90°	44.9	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°	2162.4	47.6
0°-40°	3076.0	67.8
0°-60°	4065.3	89.6
0°-90°	4539.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4539.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3113	
5°	3073	290
15°	2821	793
25°	2385	1080
35°	1452	914
45°	743	586
55°	448	403
65°	278	276
75°	145	153
85°	40	45
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3113.2
2.5°	3101.3
5°	3072.9
7.5°	3027.8
10°	2970.8
12.5°	2899.7
15°	2821.4
17.5°	2731.2
20°	2633.9
22.5°	2524.7
25°	2384.7
27.5°	2194.9
30°	1971.9
32.5°	1715.6
35°	1452.2
37.5°	1222.0
40°	1032.2
42.5°	873.2
45°	742.7
47.5°	640.7
50°	560.0
52.5°	498.3
55°	448.5
57.5°	401.0
60°	355.9
62.5°	315.6
65°	277.6
67.5°	239.7
70°	206.4
72.5°	173.2
75°	144.7
77.5°	116.3
80°	87.8
82.5°	64.1
85°	40.3
87.5°	16.6
90°	0.0



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— 0°-180°







(END OF REPORT)