

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: P252812

Luminaire Tested: **LD6B40D010 EU6B30509035 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252812
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 EU6B30509035 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4604.0 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

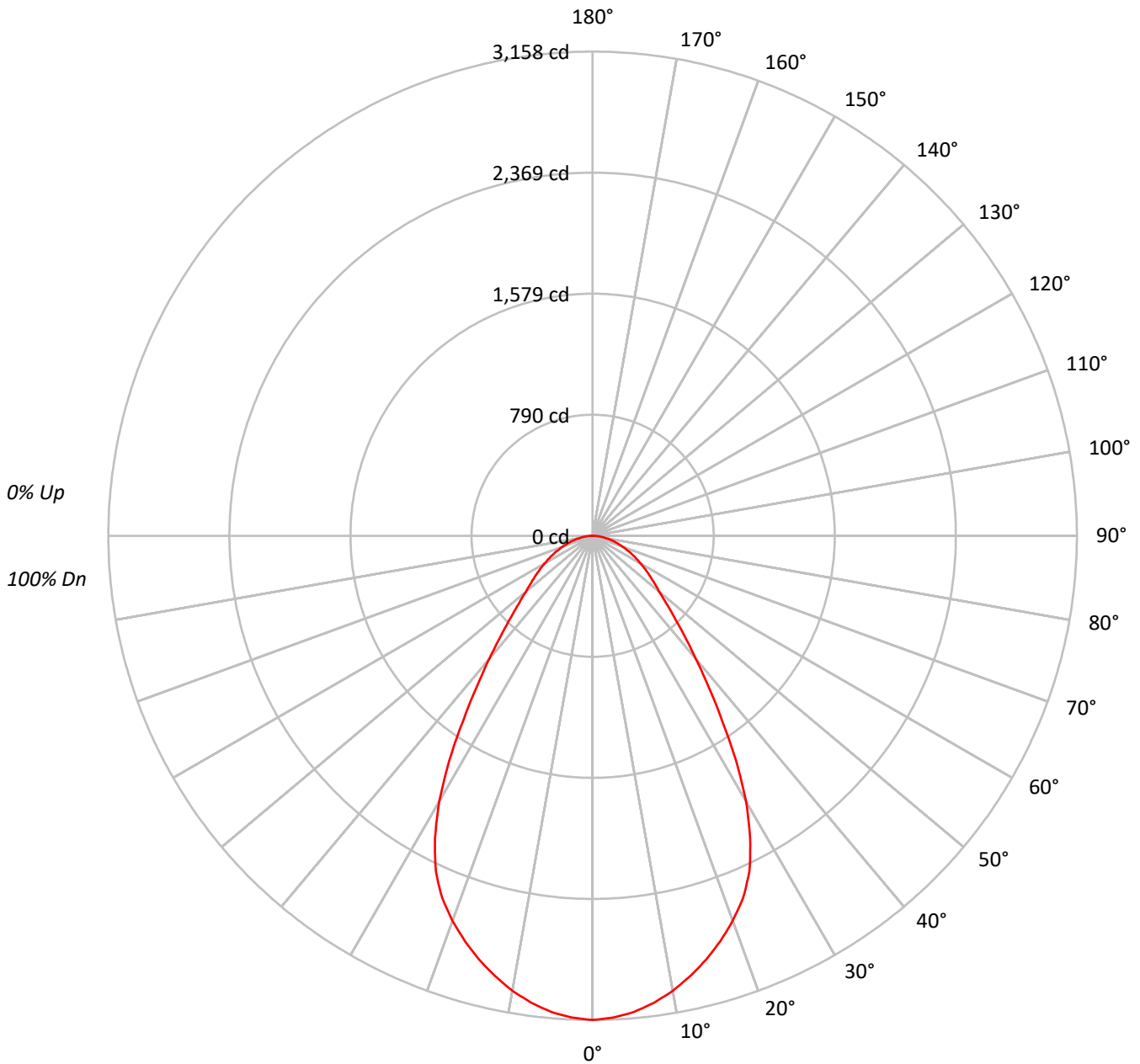
Input Watts (W): 43.02
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	206017
5°	204125
10°	199629
15°	193292
20°	185483
25°	174125
30°	150674
35°	117316
40°	89168
45°	69503
50°	57650
55°	51742
60°	47104
65°	43471
70°	39943
75°	37004
80°	33475
85°	30616



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.2	6.4
10°-20°	804.1	17.5
20°-30°	1095.1	23.8
30°-40°	926.7	20.1
40°-50°	594.5	12.9
50°-60°	409.1	8.9
60°-70°	279.4	6.1
70°-80°	155.5	3.4
80°-90°	45.5	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°	2193.4	47.6
0°-40°	3120.0	67.8
0°-60°	4123.5	89.6
0°-90°	4604.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4604.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3158	
5°	3117	294
15°	2862	804
25°	2419	1095
35°	1473	927
45°	753	594
55°	455	409
65°	282	279
75°	147	155
85°	41	45
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3157.8
2.5°	3145.8
5°	3116.9
7.5°	3071.1
10°	3013.4
12.5°	2941.2
15°	2861.8
17.5°	2770.3
20°	2671.6
22.5°	2560.9
25°	2418.9
27.5°	2226.3
30°	2000.1
32.5°	1740.2
35°	1473.0
37.5°	1239.5
40°	1047.0
42.5°	885.7
45°	753.3
47.5°	649.9
50°	568.0
52.5°	505.4
55°	454.9
57.5°	406.8
60°	361.0
62.5°	320.1
65°	281.6
67.5°	243.1
70°	209.4
72.5°	175.7
75°	146.8
77.5°	117.9
80°	89.1
82.5°	65.0
85°	40.9
87.5°	16.8
90°	0.0



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— 0°-180°







(END OF REPORT)