

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: P252800

Luminaire Tested: **LD6B30D010 EU6B30509040 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252800
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: LD6B30D010 EU6B30509040 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3262.0 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

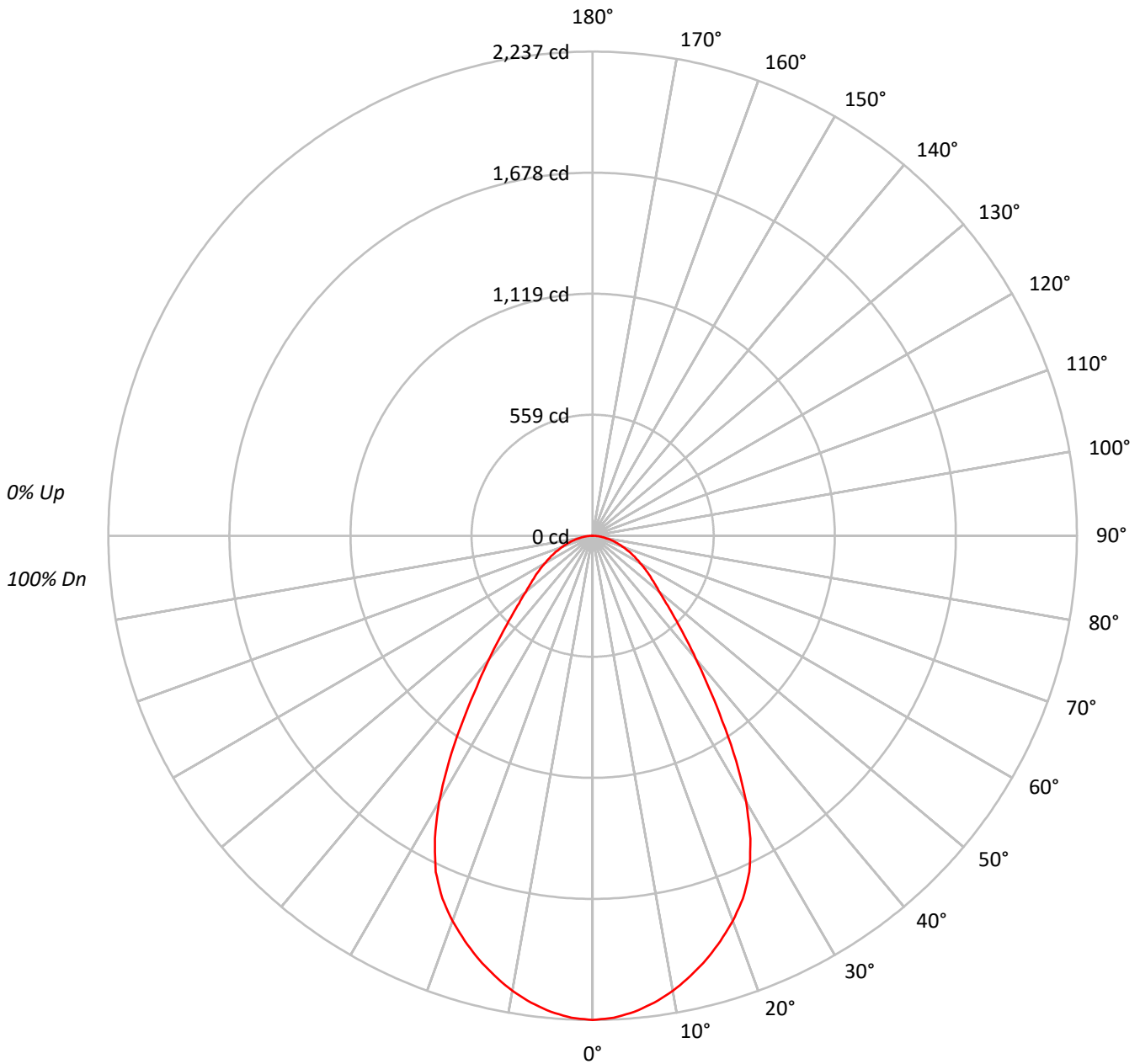
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	145963
5°	144628
10°	141437
15°	136948
20°	131420
25°	123368
30°	106755
35°	83117
40°	63176
45°	49251
50°	40842
55°	36660
60°	33377
65°	30797
70°	28307
75°	26215
80°	23707
85°	21708



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.4	6.4
10°-20°	569.7	17.5
20°-30°	775.9	23.8
30°-40°	656.5	20.1
40°-50°	421.2	12.9
50°-60°	289.8	8.9
60°-70°	198.0	6.1
70°-80°	110.2	3.4
80°-90°	32.2	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°	1554.0	47.6
0°-40°	2210.6	67.8
0°-60°	2921.6	89.6
0°-90°	3262.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3262.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2237	
5°	2208	208
15°	2028	570
25°	1714	776
35°	1044	657
45°	534	421
55°	322	290
65°	200	198
75°	104	110
85°	29	32
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2237.3
2.5°	2228.8
5°	2208.4
7.5°	2176.0
10°	2135.0
12.5°	2083.9
15°	2027.6
17.5°	1962.8
20°	1892.9
22.5°	1814.4
25°	1713.8
27.5°	1577.4
30°	1417.1
32.5°	1232.9
35°	1043.6
37.5°	878.2
40°	741.8
42.5°	627.5
45°	533.8
47.5°	460.4
50°	402.4
52.5°	358.1
55°	322.3
57.5°	288.2
60°	255.8
62.5°	226.8
65°	199.5
67.5°	172.2
70°	148.4
72.5°	124.5
75°	104.0
77.5°	83.6
80°	63.1
82.5°	46.0
85°	29.0
87.5°	11.9
90°	0.0



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— 0°-180°







(END OF REPORT)