

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: P252797

Luminaire Tested: **LD6B30D010 EU6B30509027 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252797
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 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: 3088.0 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

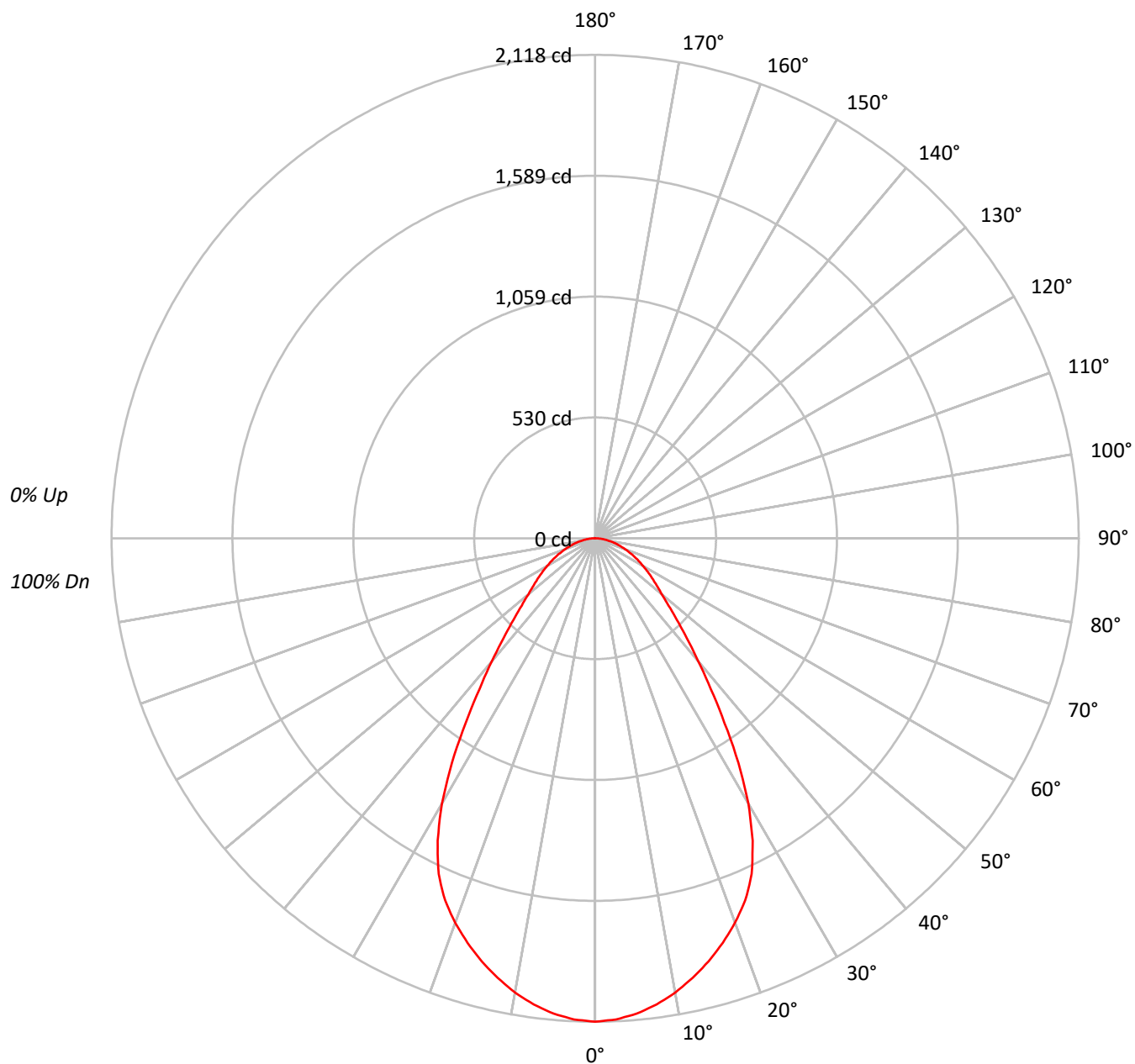
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	107	104	101	108	105	102	99	101	98	96		97	95	93		94
2	103	97	91	87	101	95	90	86	91	87	84		88	85	82		85
3	96	87	81	76	94	86	80	75	83	78	74		81	76	72		78
4	90	80	72	67	87	78	72	66	76	70	66		74	69	65		72
5	84	73	65	60	82	72	65	60	70	64	59		68	63	58		66
6	78	67	60	54	77	66	59	54	65	58	54		63	57	53		62
7	74	62	55	49	72	61	54	49	60	53	49		59	53	49		57
8	69	58	50	45	68	57	50	45	56	49	45		55	49	45		53
9	65	54	46	42	64	53	46	42	52	46	41		51	45	41		50
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	138180
5°	136913
10°	133892
15°	129640
20°	124407
25°	116789
30°	101060
35°	78688
40°	59803
45°	46621
50°	38670
55°	34703
60°	31590
65°	29161
70°	26781
75°	24829
80°	22430
85°	20510



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.3	6.4
10°-20°	539.3	17.5
20°-30°	734.5	23.8
30°-40°	621.5	20.1
40°-50°	398.7	12.9
50°-60°	274.4	8.9
60°-70°	187.4	6.1
70°-80°	104.3	3.4
80°-90°	30.5	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°	1471.1	47.6
0°-40°	2092.7	67.8
0°-60°	2765.8	89.6
0°-90°	3088.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3088.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2118	
5°	2091	197
15°	1919	539
25°	1622	735
35°	988	622
45°	505	399
55°	305	274
65°	189	187
75°	98	104
85°	27	31
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2118.0
2.5°	2109.9
5°	2090.6
7.5°	2059.9
10°	2021.1
12.5°	1972.7
15°	1919.4
17.5°	1858.1
20°	1791.9
22.5°	1717.6
25°	1622.4
27.5°	1493.3
30°	1341.5
32.5°	1167.2
35°	988.0
37.5°	831.4
40°	702.2
42.5°	594.1
45°	505.3
47.5°	435.9
50°	381.0
52.5°	339.0
55°	305.1
57.5°	272.8
60°	242.1
62.5°	214.7
65°	188.9
67.5°	163.0
70°	140.4
72.5°	117.8
75°	98.5
77.5°	79.1
80°	59.7
82.5°	43.6
85°	27.4
87.5°	11.3
90°	0.0



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— 0°-180°







(END OF REPORT)