

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: P252791

Luminaire Tested: **LD6B30D010 EU6B30508027 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252791
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 EU6B30508027 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3596.1 lumens
Efficiency: N/A
Efficacy: 128.4 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

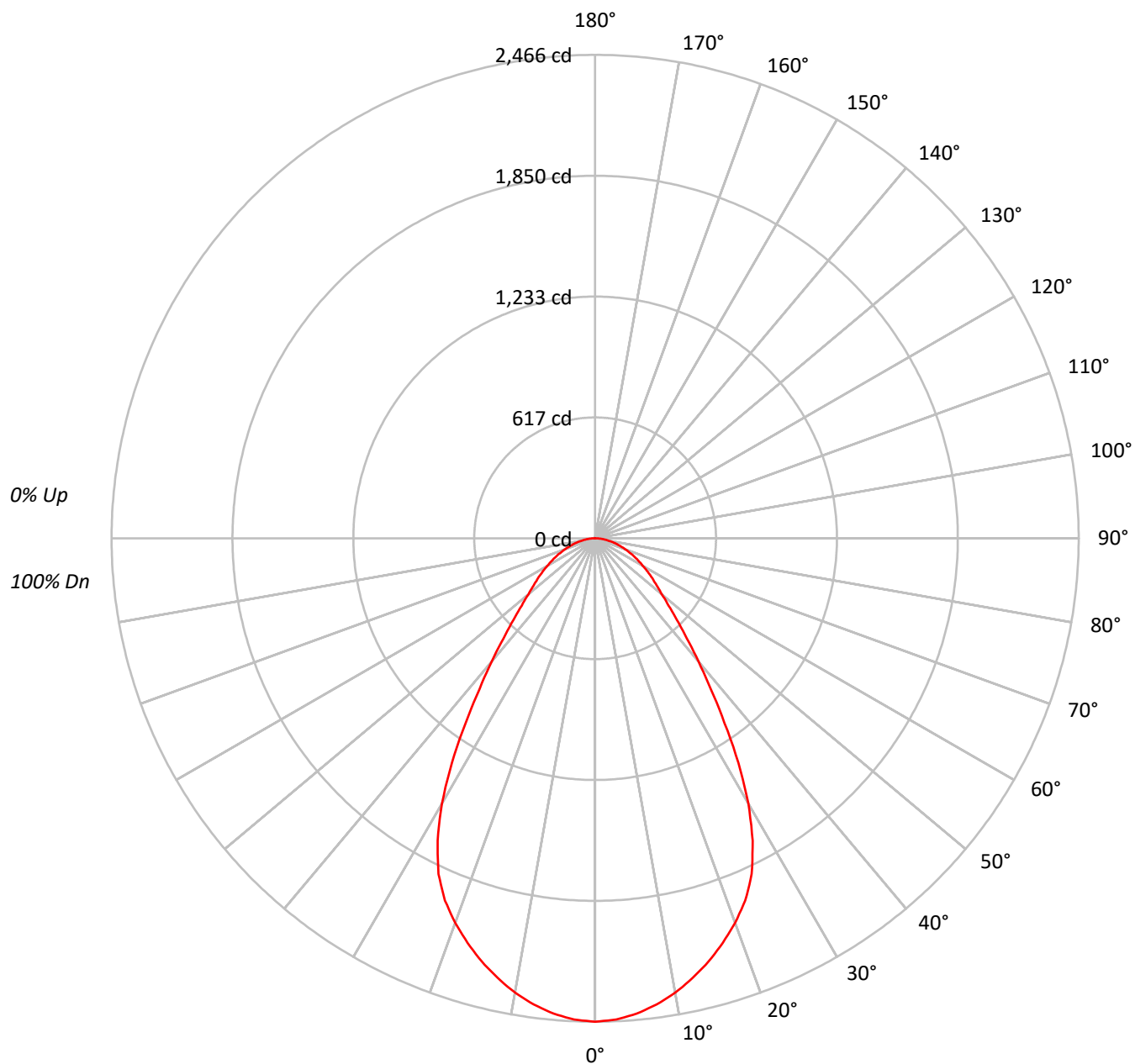
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	160909
5°	159435
10°	155919
15°	150970
20°	144875
25°	136001
30°	117686
35°	91631
40°	69648
45°	54288
50°	45034
55°	40413
60°	36796
65°	33947
70°	31207
75°	28912
80°	26149
85°	23954



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.8	6.4
10°-20°	628.0	17.5
20°-30°	855.3	23.8
30°-40°	723.8	20.1
40°-50°	464.3	12.9
50°-60°	319.5	8.9
60°-70°	218.3	6.1
70°-80°	121.5	3.4
80°-90°	35.6	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°	1713.1	47.6
0°-40°	2436.9	67.8
0°-60°	3220.8	89.6
0°-90°	3596.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3596.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2466	
5°	2434	230
15°	2235	628
25°	1889	855
35°	1150	724
45°	588	464
55°	355	320
65°	220	218
75°	115	121
85°	32	36
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2466.4
2.5°	2457.0
5°	2434.5
7.5°	2398.8
10°	2353.6
12.5°	2297.2
15°	2235.2
17.5°	2163.8
20°	2086.7
22.5°	2000.2
25°	1889.3
27.5°	1738.9
30°	1562.2
32.5°	1359.2
35°	1150.5
37.5°	968.1
40°	817.8
42.5°	691.8
45°	588.4
47.5°	507.6
50°	443.7
52.5°	394.8
55°	355.3
57.5°	317.7
60°	282.0
62.5°	250.0
65°	219.9
67.5°	189.9
70°	163.6
72.5°	137.2
75°	114.7
77.5°	92.1
80°	69.6
82.5°	50.8
85°	32.0
87.5°	13.2
90°	0.0



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— 0°-180°







(END OF REPORT)