

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: P252824

Luminaire Tested: **LD6B50D010TE EU6B30509030 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252824
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: LD6B50D010TE 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: 5808.0 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

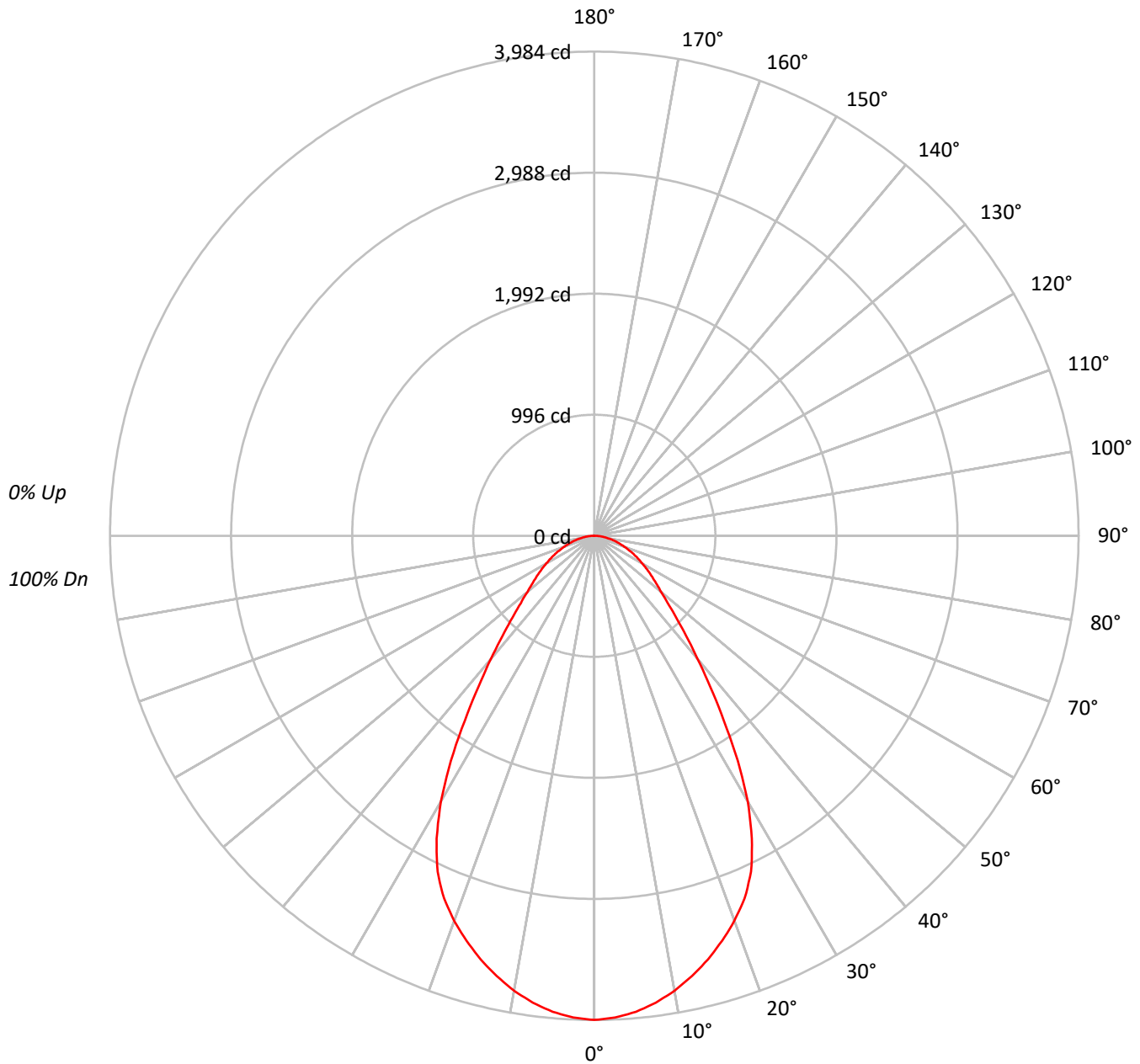
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	259893
5°	257506
10°	251832
15°	243834
20°	233992
25°	219662
30°	190074
35°	147995
40°	112487
45°	87688
50°	72732
55°	65277
60°	59421
65°	54833
70°	50396
75°	46683
80°	42192
85°	38625



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.1	6.4
10°-20°	1014.3	17.5
20°-30°	1381.5	23.8
30°-40°	1169.0	20.1
40°-50°	749.9	12.9
50°-60°	516.0	8.9
60°-70°	352.5	6.1
70°-80°	196.2	3.4
80°-90°	57.4	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°	2766.9	47.6
0°-40°	3935.9	67.8
0°-60°	5201.9	89.6
0°-90°	5808.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5808.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3984	
5°	3932	371
15°	3610	1014
25°	3052	1381
35°	1858	1169
45°	950	750
55°	574	516
65°	355	353
75°	185	196
85°	52	57
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3983.6
2.5°	3968.4
5°	3932.0
7.5°	3874.3
10°	3801.4
12.5°	3710.3
15°	3610.1
17.5°	3494.8
20°	3370.3
22.5°	3230.6
25°	3051.5
27.5°	2808.6
30°	2523.1
32.5°	2195.2
35°	1858.2
37.5°	1563.7
40°	1320.8
42.5°	1117.4
45°	950.4
47.5°	819.8
50°	716.6
52.5°	637.6
55°	573.9
57.5°	513.1
60°	455.4
62.5°	403.8
65°	355.2
67.5°	306.7
70°	264.2
72.5°	221.6
75°	185.2
77.5°	148.8
80°	112.3
82.5°	82.0
85°	51.6
87.5°	21.3
90°	0.0



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— 0°-180°







(END OF REPORT)