

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: P252822

Luminaire Tested: **LD6B50D010TE EU6B30509024 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252822
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 EU6B30509024 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4914.0 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

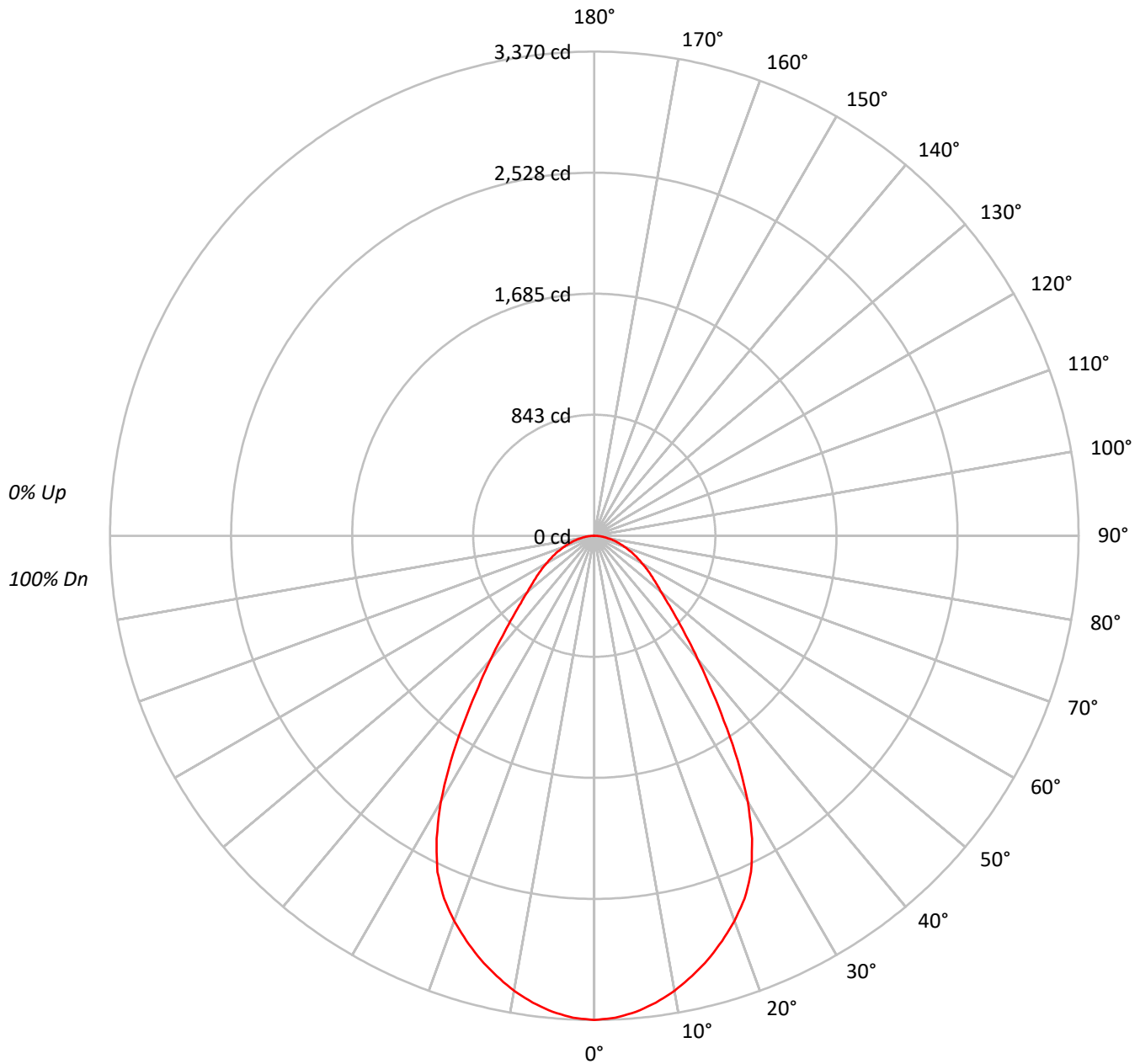
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	107	104	101		108	105	102	99		101	98	96		97	95	93		94	92	90
2	103	97	91	87		101	95	90	86		91	87	84		88	85	82		85	83	80
3	96	87	81	76		94	86	80	75		83	78	74		81	76	72		78	74	71
4	90	80	72	67		87	78	72	66		76	70	66		74	69	65		72	68	64
5	84	73	65	60		82	72	65	60		70	64	59		68	63	58		66	62	58
6	78	67	60	54		77	66	59	54		65	58	54		63	57	53		62	57	53
7	74	62	55	49		72	61	54	49		60	53	49		59	53	49		57	52	48
8	69	58	50	45		68	57	50	45		56	49	45		55	49	45		53	48	44
9	65	54	46	42		64	53	46	42		52	46	41		51	45	41		50	45	41
10	62	50	43	39		61	50	43	39		49	43	38		48	42	38		47	42	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	219887
5°	217865
10°	213070
15°	206300
20°	197973
25°	185851
30°	160822
35°	125216
40°	95173
45°	74190
50°	61537
55°	55222
60°	50274
65°	46404
70°	42633
75°	39499
80°	35692
85°	32712



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.0	6.4
10°-20°	858.2	17.5
20°-30°	1168.8	23.8
30°-40°	989.1	20.1
40°-50°	634.5	12.9
50°-60°	436.6	8.9
60°-70°	298.3	6.1
70°-80°	166.0	3.4
80°-90°	48.6	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°	2341.0	47.6
0°-40°	3330.1	67.8
0°-60°	4401.2	89.6
0°-90°	4914.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4914.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3370	
5°	3327	314
15°	3054	858
25°	2582	1169
35°	1572	989
45°	804	635
55°	486	437
65°	301	298
75°	157	166
85°	44	49
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3370.4
2.5°	3357.6
5°	3326.7
7.5°	3277.9
10°	3216.3
12.5°	3139.2
15°	3054.4
17.5°	2956.8
20°	2851.5
22.5°	2733.3
25°	2581.8
27.5°	2376.2
30°	2134.8
32.5°	1857.3
35°	1572.2
37.5°	1323.0
40°	1117.5
42.5°	945.4
45°	804.1
47.5°	693.6
50°	606.3
52.5°	539.5
55°	485.5
57.5°	434.1
60°	385.3
62.5°	341.7
65°	300.6
67.5°	259.5
70°	223.5
72.5°	187.5
75°	156.7
77.5°	125.9
80°	95.0
82.5°	69.4
85°	43.7
87.5°	18.0
90°	0.0



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— 0°-180°







(END OF REPORT)