

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: P252829

Luminaire Tested: **LD6B50D010TE EU6B30509730 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252829
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 EU6B30509730 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 97CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5076.0 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

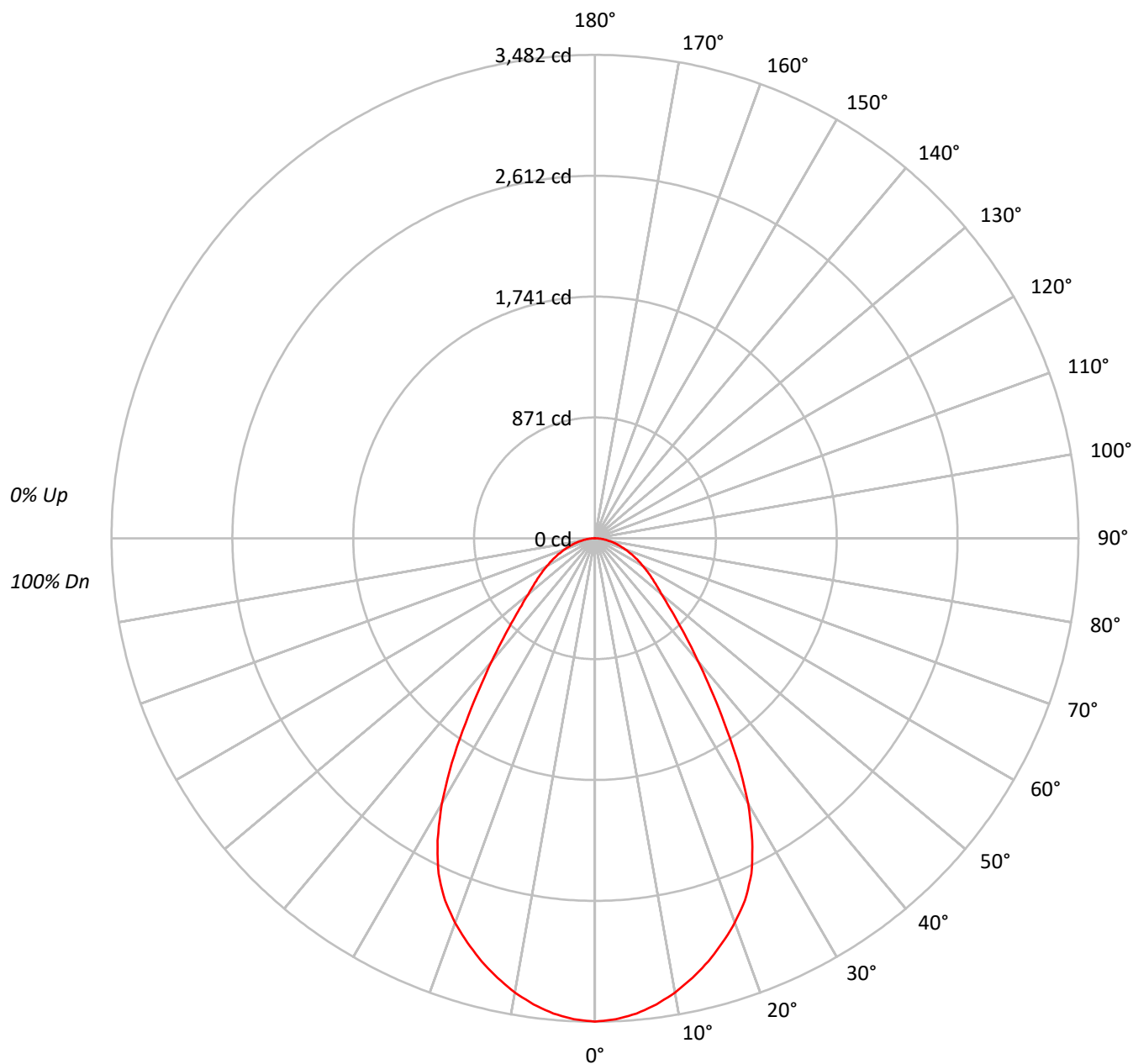
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	227135
5°	225049
10°	220093
15°	213102
20°	204499
25°	191977
30°	166118
35°	129342
40°	98307
45°	76635
50°	63567
55°	57042
60°	51932
65°	47933
70°	44044
75°	40810
80°	36894
85°	33760



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.4	6.4
10°-20°	886.5	17.5
20°-30°	1207.4	23.8
30°-40°	1021.7	20.1
40°-50°	655.4	12.9
50°-60°	451.0	8.9
60°-70°	308.1	6.1
70°-80°	171.4	3.4
80°-90°	50.2	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°	2418.2	47.6
0°-40°	3439.9	67.8
0°-60°	4546.3	89.6
0°-90°	5076.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5076.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3482	
5°	3436	324
15°	3155	886
25°	2667	1207
35°	1624	1022
45°	831	655
55°	502	451
65°	310	308
75°	162	171
85°	45	50
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3481.5
2.5°	3468.3
5°	3436.4
7.5°	3386.0
10°	3322.3
12.5°	3242.7
15°	3155.1
17.5°	3054.3
20°	2945.5
22.5°	2823.4
25°	2666.9
27.5°	2454.6
30°	2205.1
32.5°	1918.6
35°	1624.0
37.5°	1366.6
40°	1154.3
42.5°	976.5
45°	830.6
47.5°	716.5
50°	626.3
52.5°	557.3
55°	501.5
57.5°	448.5
60°	398.0
62.5°	352.9
65°	310.5
67.5°	268.0
70°	230.9
72.5°	193.7
75°	161.9
77.5°	130.0
80°	98.2
82.5°	71.6
85°	45.1
87.5°	18.6
90°	0.0



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— 0°-180°







(END OF REPORT)