

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: P252828

Luminaire Tested: **LD6B50D010TE EU6B30509727 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252828
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 EU6B30509727 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 97CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4857.0 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

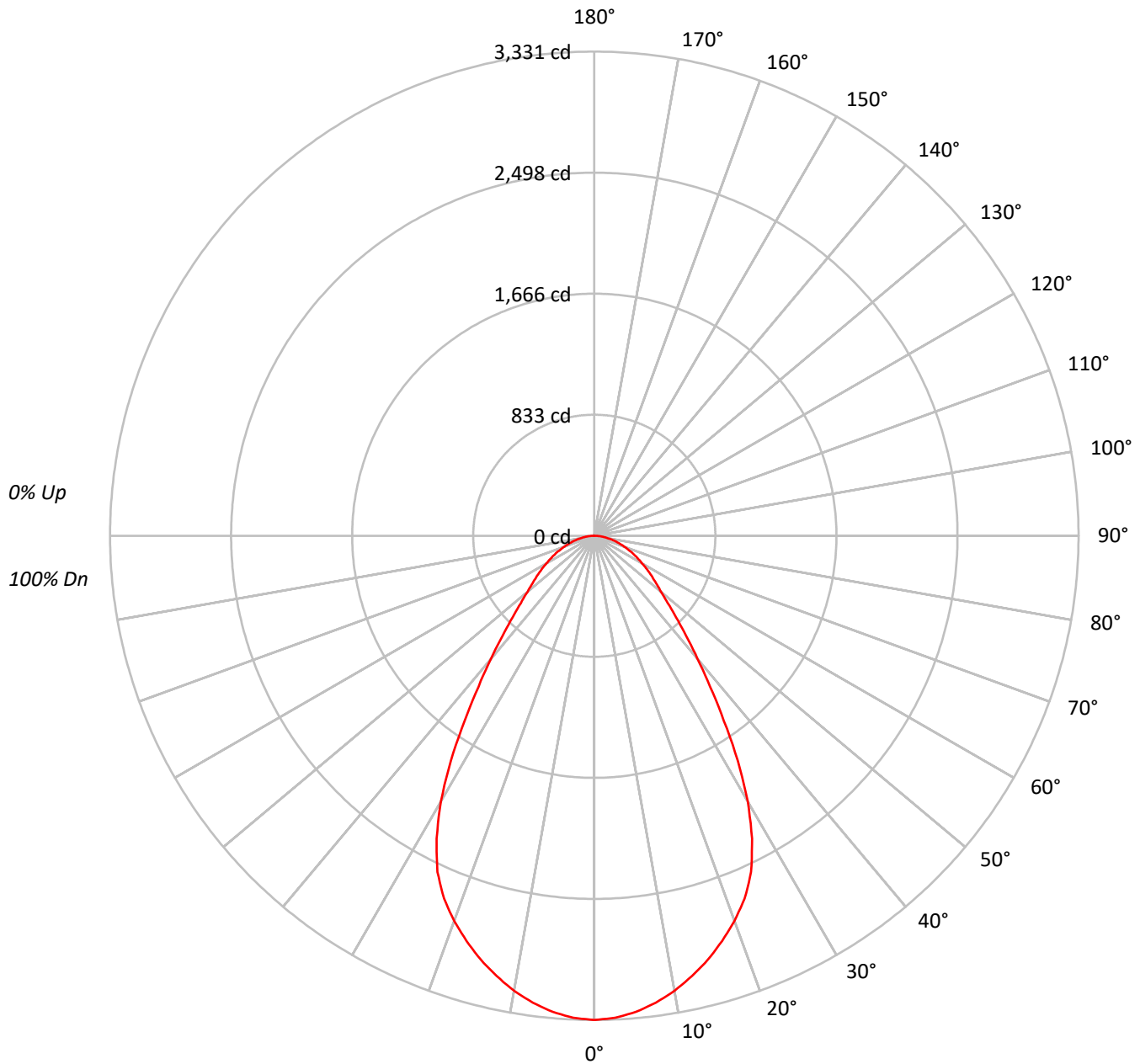
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
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°	217336
5°	215344
10°	210599
15°	203910
20°	195675
25°	183691
30°	158953
35°	123759
40°	94065
45°	73322
50°	60817
55°	54586
60°	49700
65°	45864
70°	42137
75°	39046
80°	35279
85°	32337



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.4	6.4
10°-20°	848.2	17.5
20°-30°	1155.3	23.8
30°-40°	977.6	20.1
40°-50°	627.1	12.9
50°-60°	431.5	8.9
60°-70°	294.8	6.1
70°-80°	164.0	3.4
80°-90°	48.0	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°	2313.9	47.6
0°-40°	3291.4	67.8
0°-60°	4350.1	89.6
0°-90°	4857.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4857.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3331	
5°	3288	310
15°	3019	848
25°	2552	1155
35°	1554	978
45°	795	627
55°	480	432
65°	297	295
75°	155	164
85°	43	48
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3331.3
2.5°	3318.6
5°	3288.2
7.5°	3239.9
10°	3179.0
12.5°	3102.8
15°	3019.0
17.5°	2922.5
20°	2818.4
22.5°	2701.6
25°	2551.8
27.5°	2348.7
30°	2110.0
32.5°	1835.8
35°	1553.9
37.5°	1307.6
40°	1104.5
42.5°	934.4
45°	794.7
47.5°	685.6
50°	599.2
52.5°	533.2
55°	479.9
57.5°	429.1
60°	380.9
62.5°	337.7
65°	297.1
67.5°	256.5
70°	220.9
72.5°	185.4
75°	154.9
77.5°	124.4
80°	93.9
82.5°	68.6
85°	43.2
87.5°	17.8
90°	0.0



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— 0°-180°







(END OF REPORT)