

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: P252823

Luminaire Tested: **LD6B50D010TE EU6B30509027 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252823
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 EU6B30509027 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5585.9 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

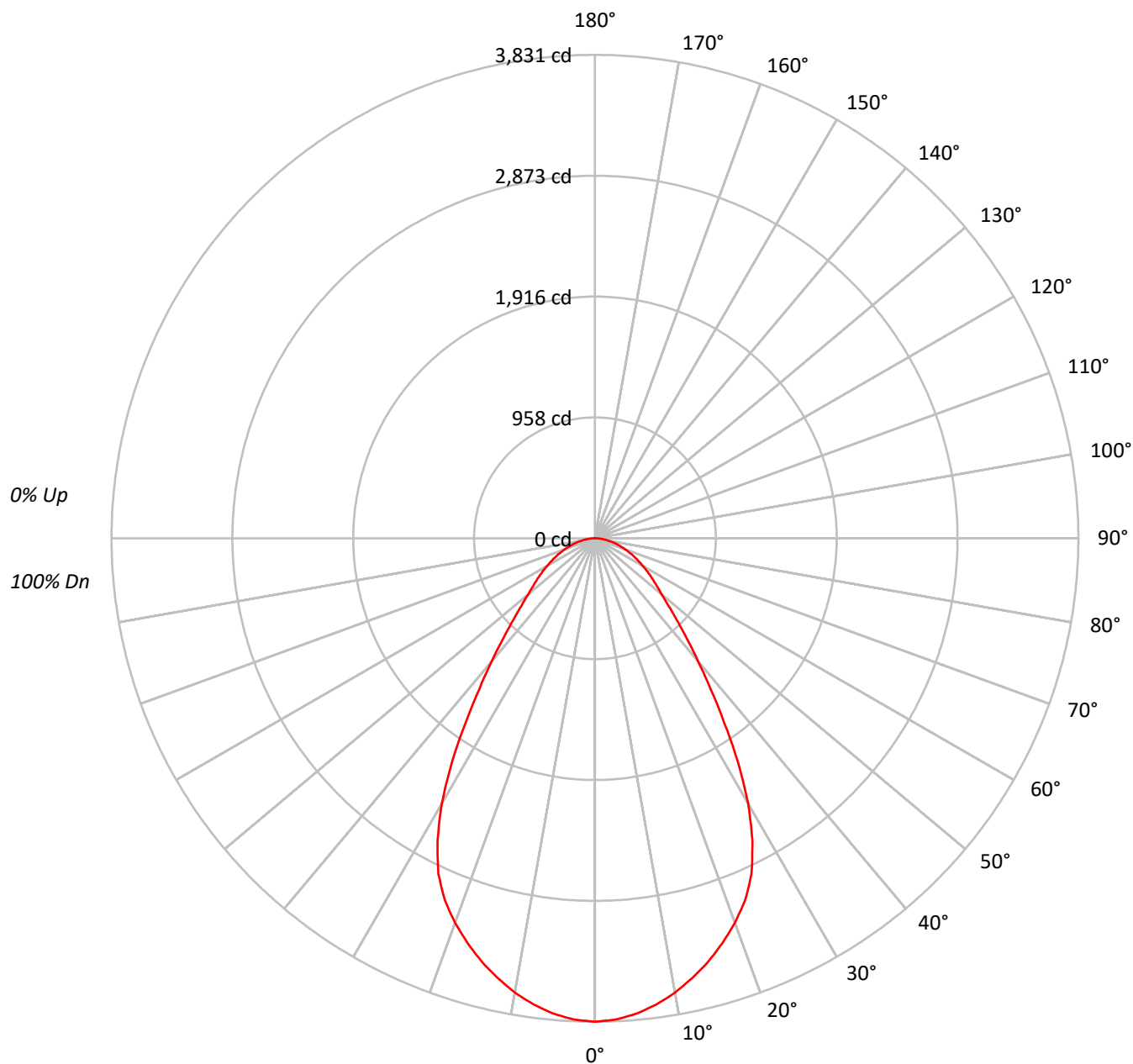
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	249956
5°	247663
10°	242206
15°	234513
20°	225043
25°	211262
30°	182812
35°	142340
40°	108186
45°	84329
50°	69951
55°	62775
60°	57151
65°	52749
70°	48470
75°	44894
80°	40576
85°	37128



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	356.9	6.4
10°-20°	975.6	17.5
20°-30°	1328.7	23.8
30°-40°	1124.3	20.1
40°-50°	721.3	12.9
50°-60°	496.3	8.9
60°-70°	339.1	6.1
70°-80°	188.7	3.4
80°-90°	55.2	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°	2661.2	47.6
0°-40°	3785.5	67.8
0°-60°	5003.0	89.6
0°-90°	5585.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5585.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3831	
5°	3782	357
15°	3472	976
25°	2935	1329
35°	1787	1124
45°	914	721
55°	552	496
65°	342	339
75°	178	189
85°	50	55
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3831.3
2.5°	3816.7
5°	3781.7
7.5°	3726.2
10°	3656.1
12.5°	3568.5
15°	3472.1
17.5°	3361.2
20°	3241.4
22.5°	3107.1
25°	2934.8
27.5°	2701.2
30°	2426.7
32.5°	2111.3
35°	1787.2
37.5°	1503.9
40°	1270.3
42.5°	1074.6
45°	914.0
47.5°	788.5
50°	689.2
52.5°	613.2
55°	551.9
57.5°	493.5
60°	438.0
62.5°	388.4
65°	341.7
67.5°	294.9
70°	254.1
72.5°	213.2
75°	178.1
77.5°	143.1
80°	108.0
82.5°	78.8
85°	49.6
87.5°	20.4
90°	0.0



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— 0°-180°







(END OF REPORT)