

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: P252807

Luminaire Tested: **LD6B40D010 EU6B30508040 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252807
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: LD6B40D010 EU6B30508040 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5506.0 lumens
Efficiency: N/A
Efficacy: 128.0 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

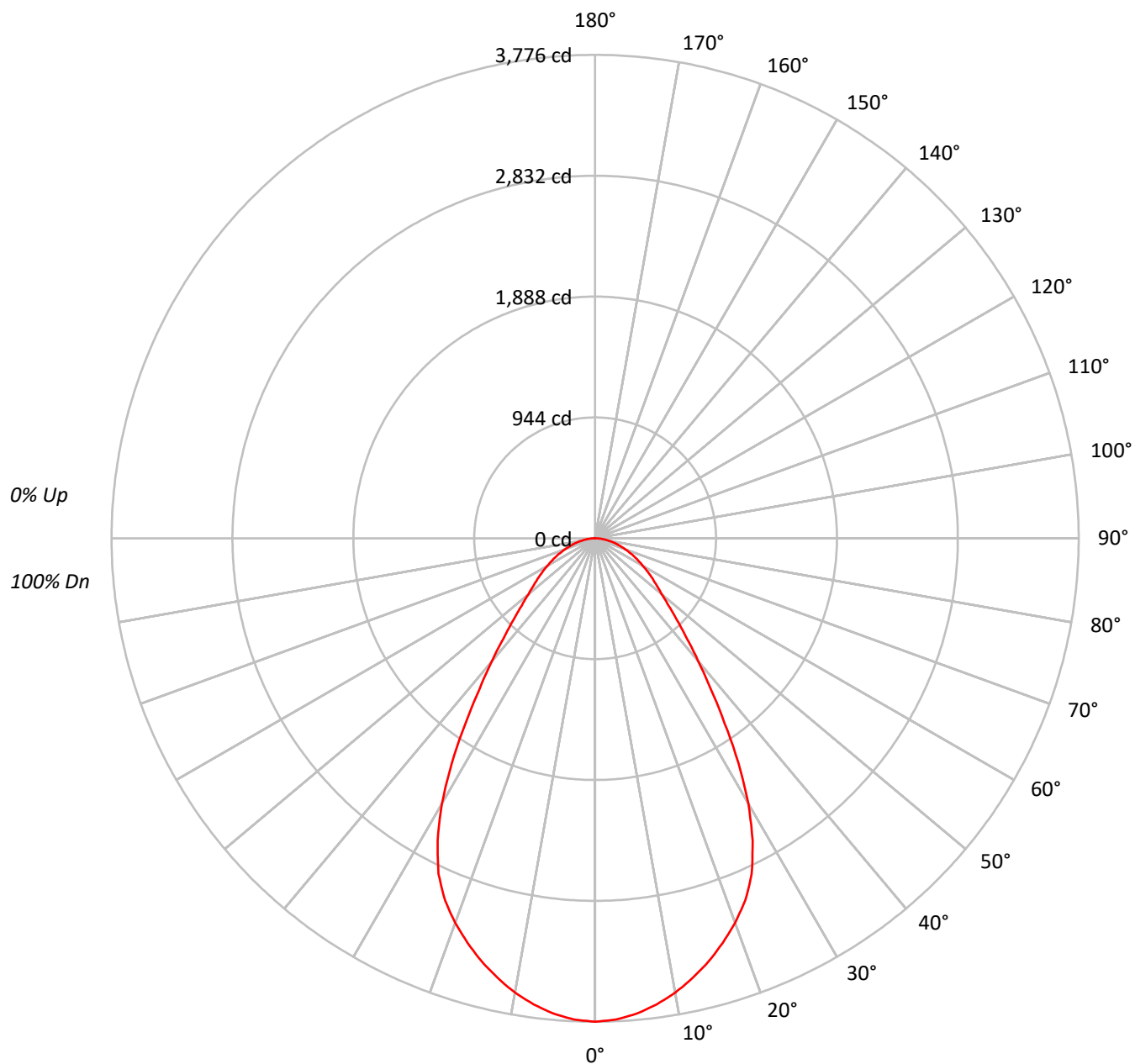
Input Watts (W): 43.02
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	246381
5°	244113
10°	238741
15°	231156
20°	221821
25°	208238
30°	180197
35°	140301
40°	106636
45°	83121
50°	68947
55°	61876
60°	56342
65°	51993
70°	47764
75°	44264
80°	40013
85°	36604



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	351.8	6.4
10°-20°	961.6	17.5
20°-30°	1309.6	23.8
30°-40°	1108.2	20.1
40°-50°	710.9	12.9
50°-60°	489.2	8.9
60°-70°	334.2	6.1
70°-80°	185.9	3.4
80°-90°	54.4	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°	2623.1	47.6
0°-40°	3731.3	67.8
0°-60°	4931.4	89.6
0°-90°	5506.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5506.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3776	
5°	3728	352
15°	3422	962
25°	2893	1310
35°	1762	1108
45°	901	711
55°	544	489
65°	337	334
75°	176	186
85°	49	54
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3776.5
2.5°	3762.1
5°	3727.5
7.5°	3672.8
10°	3603.8
12.5°	3517.4
15°	3422.4
17.5°	3313.0
20°	3195.0
22.5°	3062.6
25°	2892.8
27.5°	2662.5
30°	2392.0
32.5°	2081.1
35°	1761.6
37.5°	1482.4
40°	1252.1
42.5°	1059.3
45°	900.9
47.5°	777.2
50°	679.3
52.5°	604.5
55°	544.0
57.5°	486.4
60°	431.8
62.5°	382.8
65°	336.8
67.5°	290.7
70°	250.4
72.5°	210.1
75°	175.6
77.5°	141.0
80°	106.5
82.5°	77.7
85°	48.9
87.5°	20.1
90°	0.0



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— 0°-180°







(END OF REPORT)