

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: P252796

Luminaire Tested: **LD6B30D010 EU6B30509024 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252796
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: LD6B30D010 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: 2717.0 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

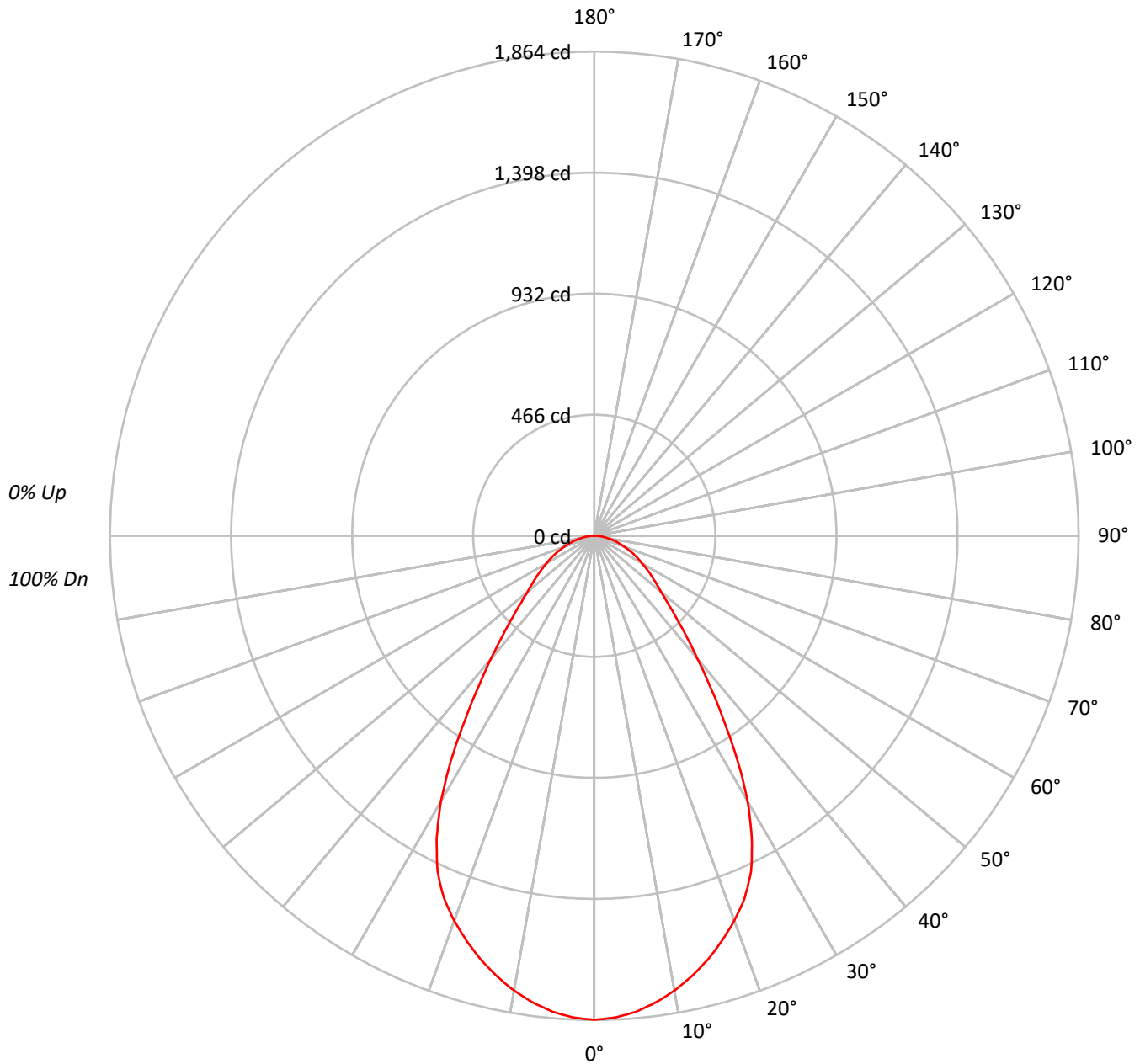
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	121576
5°	120462
10°	117807
15°	114065
20°	109460
25°	102759
30°	88916
35°	69235
40°	52624
45°	41021
50°	34022
55°	30540
60°	27806
65°	25657
70°	23577
75°	21829
80°	19762
85°	18040



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.6	6.4
10°-20°	474.5	17.5
20°-30°	646.3	23.8
30°-40°	546.9	20.1
40°-50°	350.8	12.9
50°-60°	241.4	8.9
60°-70°	164.9	6.1
70°-80°	91.8	3.4
80°-90°	26.9	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°	1294.4	47.6
0°-40°	1841.2	67.8
0°-60°	2433.5	89.6
0°-90°	2717.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2717.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1864	
5°	1839	174
15°	1689	475
25°	1428	646
35°	869	547
45°	445	351
55°	268	241
65°	166	165
75°	87	92
85°	24	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1863.5
2.5°	1856.4
5°	1839.4
7.5°	1812.4
10°	1778.3
12.5°	1735.7
15°	1688.8
17.5°	1634.9
20°	1576.6
22.5°	1511.3
25°	1427.5
27.5°	1313.9
30°	1180.3
32.5°	1026.9
35°	869.3
37.5°	731.5
40°	617.9
42.5°	522.7
45°	444.6
47.5°	383.5
50°	335.2
52.5°	298.3
55°	268.5
57.5°	240.0
60°	213.1
62.5°	188.9
65°	166.2
67.5°	143.5
70°	123.6
72.5°	103.7
75°	86.6
77.5°	69.6
80°	52.6
82.5°	38.4
85°	24.1
87.5°	9.9
90°	0.0



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— 0°-180°







(END OF REPORT)