

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: P252793

Luminaire Tested: **LD6B30D010 EU6B30508035 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252793
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 EU6B30508035 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3852.9 lumens
Efficiency: N/A
Efficacy: 137.6 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

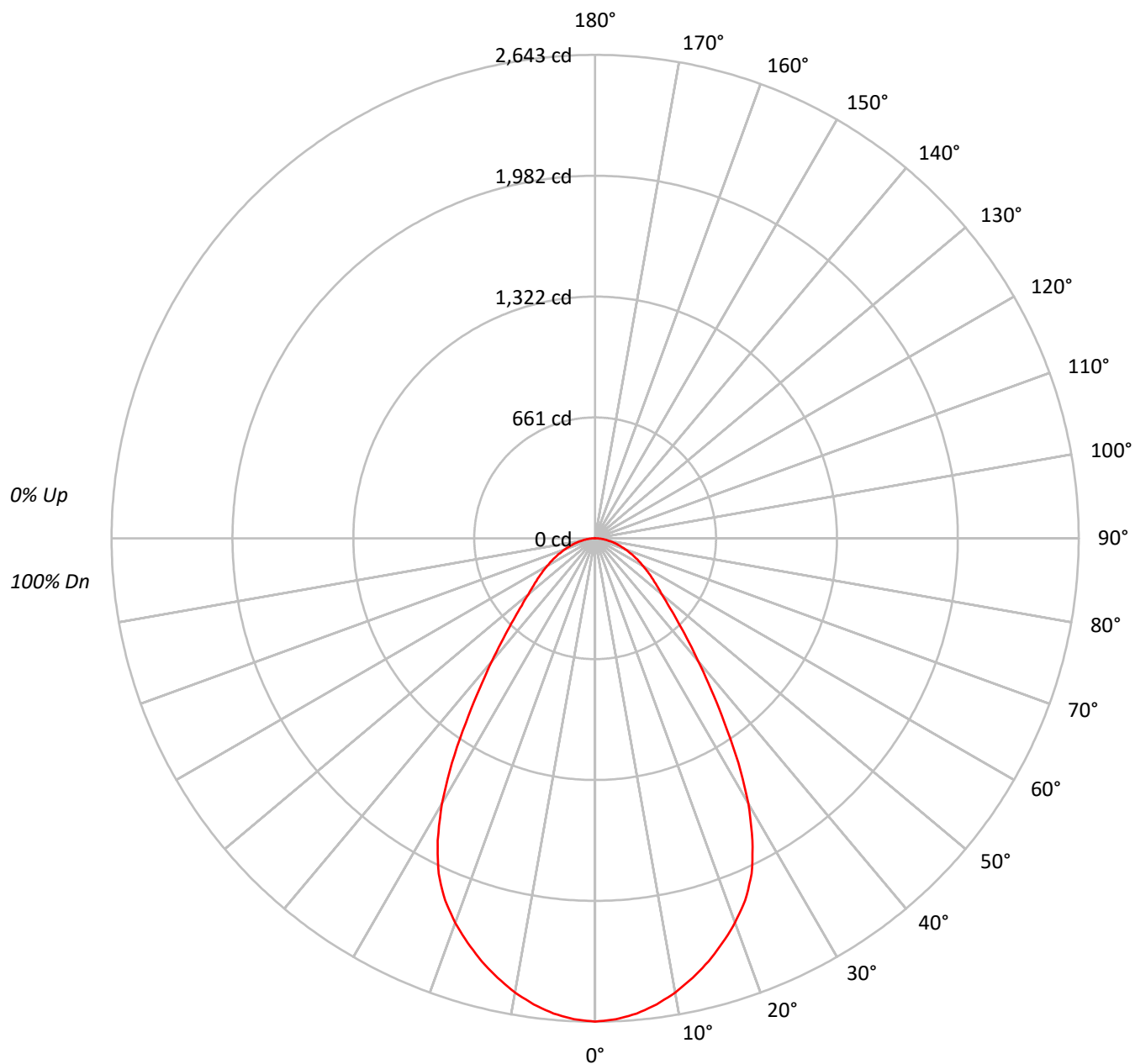
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	172411
5°	170830
10°	167062
15°	161756
20°	155226
25°	145719
30°	126093
35°	98177
40°	74622
45°	58173
50°	48251
55°	43302
60°	39418
65°	36386
70°	33420
75°	30979
80°	27990
85°	25600



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.2	6.4
10°-20°	672.9	17.5
20°-30°	916.5	23.8
30°-40°	775.5	20.1
40°-50°	497.5	12.9
50°-60°	342.3	8.9
60°-70°	233.9	6.1
70°-80°	130.1	3.4
80°-90°	38.1	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°	1835.6	47.6
0°-40°	2611.1	67.8
0°-60°	3450.9	89.6
0°-90°	3852.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3852.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2643	
5°	2608	246
15°	2395	673
25°	2024	916
35°	1233	775
45°	630	497
55°	381	342
65°	236	234
75°	123	130
85°	34	38
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2642.7
2.5°	2632.6
5°	2608.5
7.5°	2570.2
10°	2521.8
12.5°	2461.4
15°	2394.9
17.5°	2318.4
20°	2235.8
22.5°	2143.2
25°	2024.3
27.5°	1863.2
30°	1673.8
32.5°	1456.3
35°	1232.7
37.5°	1037.3
40°	876.2
42.5°	741.2
45°	630.5
47.5°	543.8
50°	475.4
52.5°	423.0
55°	380.7
57.5°	340.4
60°	302.1
62.5°	267.9
65°	235.7
67.5°	203.4
70°	175.2
72.5°	147.0
75°	122.9
77.5°	98.7
80°	74.5
82.5°	54.4
85°	34.2
87.5°	14.1
90°	0.0



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— 0°-180°







(END OF REPORT)