

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: P252839

Luminaire Tested: **LD6B60D010TE EU6B60709040 6LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252839
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: LD6B60D010TE EU6B60709040 6LBBA1MW
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6593.0 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

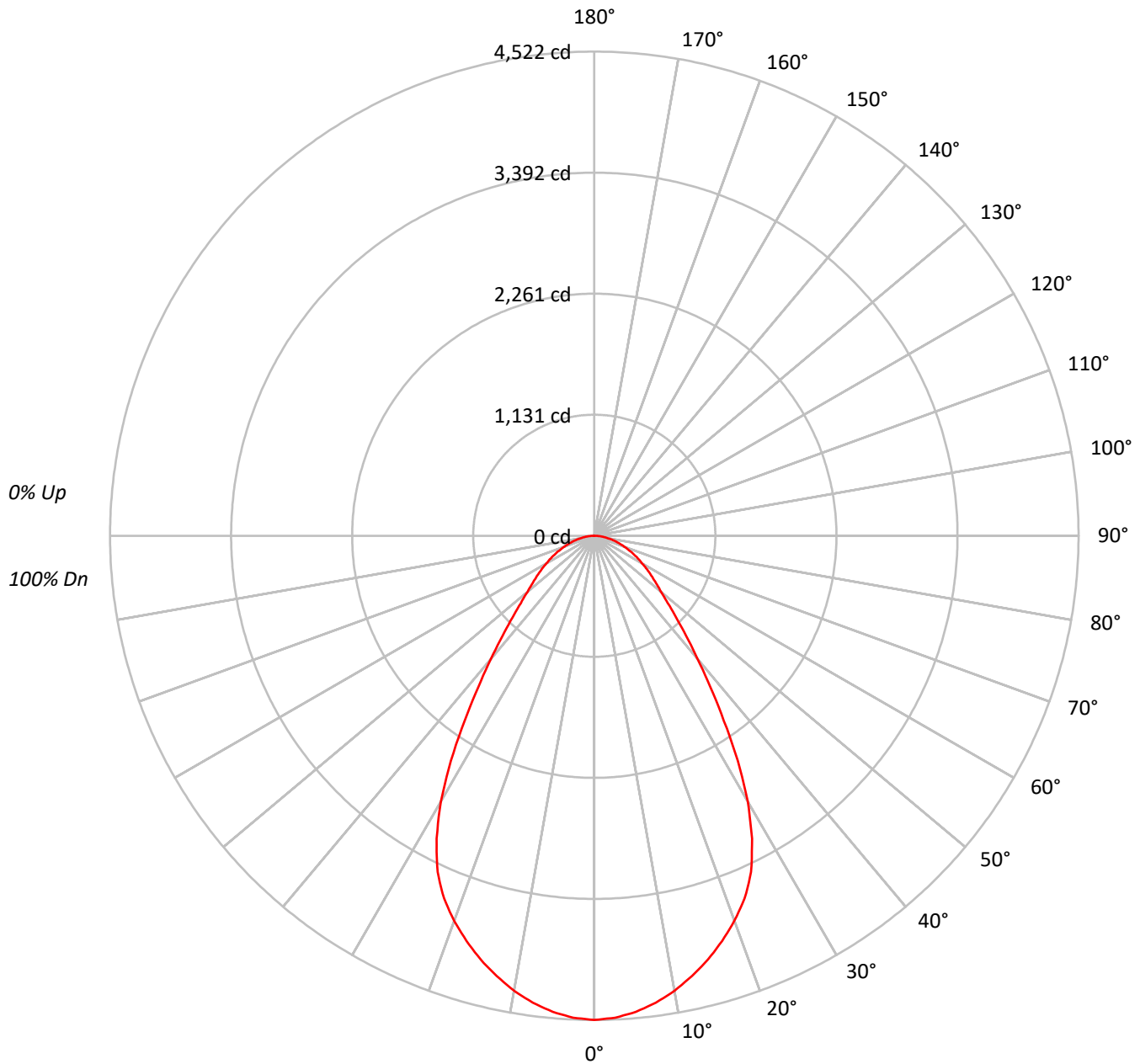
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	107	104	101		108	105	102	99		101	98	96		97	95	93		94	92	90
2	103	97	91	87		101	95	90	86		91	87	84		88	85	82		85	83	80
3	96	87	81	76		94	86	80	75		83	78	74		81	76	72		78	74	71
4	90	80	72	67		87	78	72	66		76	70	66		74	69	65		72	68	64
5	84	73	65	60		82	72	65	60		70	64	59		68	63	58		66	62	58
6	78	67	60	54		77	66	59	54		65	58	54		63	57	53		62	57	53
7	74	62	55	49		72	61	54	49		60	53	49		59	53	49		57	52	48
8	69	58	50	45		68	57	50	45		56	49	45		55	49	45		53	48	44
9	65	54	46	42		64	53	46	42		52	46	41		51	45	41		50	45	41
10	62	50	43	39		61	50	43	39		49	43	38		48	42	38		47	42	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	295018
5°	292307
10°	285869
15°	276794
20°	265616
25°	249349
30°	215770
35°	168001
40°	127689
45°	99535
50°	82557
55°	74093
60°	67459
65°	62258
70°	57206
75°	52985
80°	47902
85°	43865



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	421.3	6.4
10°-20°	1151.4	17.5
20°-30°	1568.2	23.8
30°-40°	1327.0	20.1
40°-50°	851.3	12.9
50°-60°	585.8	8.9
60°-70°	400.2	6.1
70°-80°	222.7	3.4
80°-90°	65.2	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°	3140.9	47.6
0°-40°	4467.9	67.8
0°-60°	5905.0	89.6
0°-90°	6593.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6593.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4522	
5°	4463	421
15°	4098	1151
25°	3464	1568
35°	2109	1327
45°	1079	851
55°	651	586
65°	403	400
75°	210	223
85°	59	65
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4522.0
2.5°	4504.8
5°	4463.4
7.5°	4397.9
10°	4315.2
12.5°	4211.8
15°	4098.1
17.5°	3967.1
20°	3825.8
22.5°	3667.2
25°	3463.9
27.5°	3188.2
30°	2864.2
32.5°	2491.9
35°	2109.4
37.5°	1775.0
40°	1499.3
42.5°	1268.4
45°	1078.8
47.5°	930.6
50°	813.4
52.5°	723.8
55°	651.4
57.5°	582.5
60°	517.0
62.5°	458.4
65°	403.3
67.5°	348.1
70°	299.9
72.5°	251.6
75°	210.2
77.5°	168.9
80°	127.5
82.5°	93.1
85°	58.6
87.5°	24.1
90°	0.0



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— 0°-180°







(END OF REPORT)