

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: P203604

Luminaire Tested: **LD6B60D010TE EU6B60709035 6LBMMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203604
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B60D010TE EU6B60709035 6LBMMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH MATTE WHITE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4148.9 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

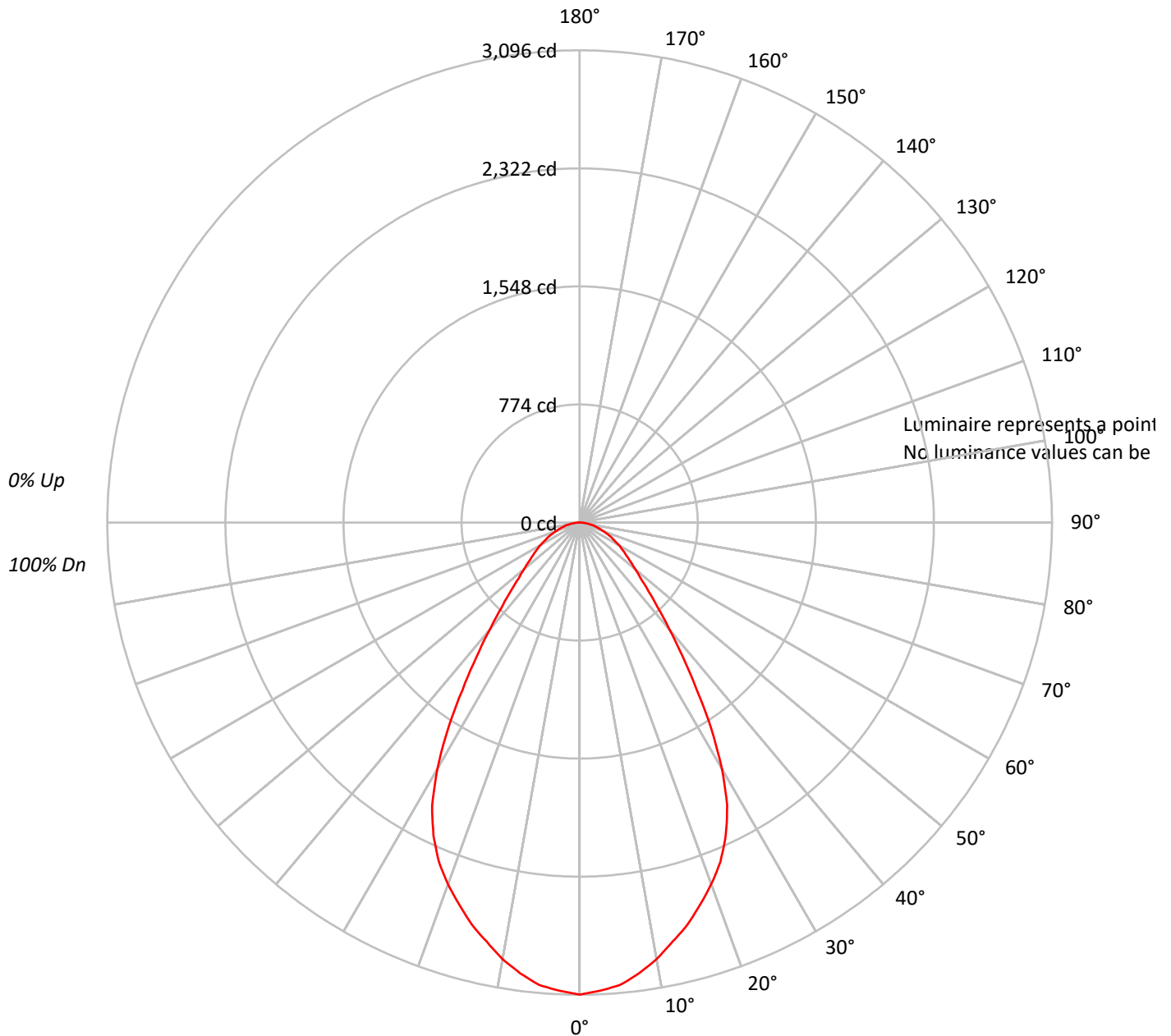
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	108	104	101	109	105	103	100	101	99	97		98	96	94		94
2	104	97	92	88	101	96	91	87	92	88	85		89	86	83		86
3	97	88	82	77	95	87	81	76	84	79	75		82	77	74		79
4	90	81	74	68	88	80	73	68	77	72	67		75	70	66		73
5	85	74	67	61	83	73	66	61	71	65	61		69	64	60		68
6	79	68	61	56	78	68	61	56	66	60	55		64	59	55		63
7	75	63	56	51	73	63	56	51	61	55	50		60	54	50		59
8	70	59	52	47	69	58	51	47	57	51	46		56	50	46		55
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		51
10	63	51	45	40	62	51	44	40	50	44	40		49	44	40		48

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.0	6.9
10°-20°	766.0	18.5
20°-30°	1028.5	24.8
30°-40°	843.7	20.3
40°-50°	506.7	12.2
50°-60°	336.7	8.1
60°-70°	225.7	5.4
70°-80°	121.5	2.9
80°-90°	34.2	0.8
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°	2080.5	50.1
0°-40°	2924.2	70.5
0°-60°	3767.5	90.8
0°-90°	4148.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4148.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3096	
5°	3044	286
15°	2730	766
25°	2266	1029
35°	1339	844
45°	641	507
55°	372	337
65°	229	226
75°	114	121
85°	29	34
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3095.8
2.5°	3072.9
5°	3044.3
7.5°	2981.3
10°	2906.9
12.5°	2815.4
15°	2729.5
17.5°	2626.5
20°	2523.5
22.5°	2409.1
25°	2266.0
27.5°	2094.4
30°	1865.5
32.5°	1608.0
35°	1339.0
37.5°	1110.1
40°	915.6
42.5°	761.1
45°	640.9
47.5°	543.6
50°	475.0
52.5°	417.7
55°	371.9
57.5°	331.9
60°	297.6
62.5°	257.5
65°	228.9
67.5°	194.6
70°	165.9
72.5°	137.3
75°	114.4
77.5°	91.6
80°	68.7
82.5°	51.5
85°	28.6
87.5°	11.4
90°	0.0



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— 0°-180°







(END OF REPORT)