

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: P203599

Luminaire Tested: **LD6B60D010TE EU6B60708040 6LBMMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203599
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 EU6B60708040 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: 4961.1 lumens
Efficiency: N/A
Efficacy: 79.4 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

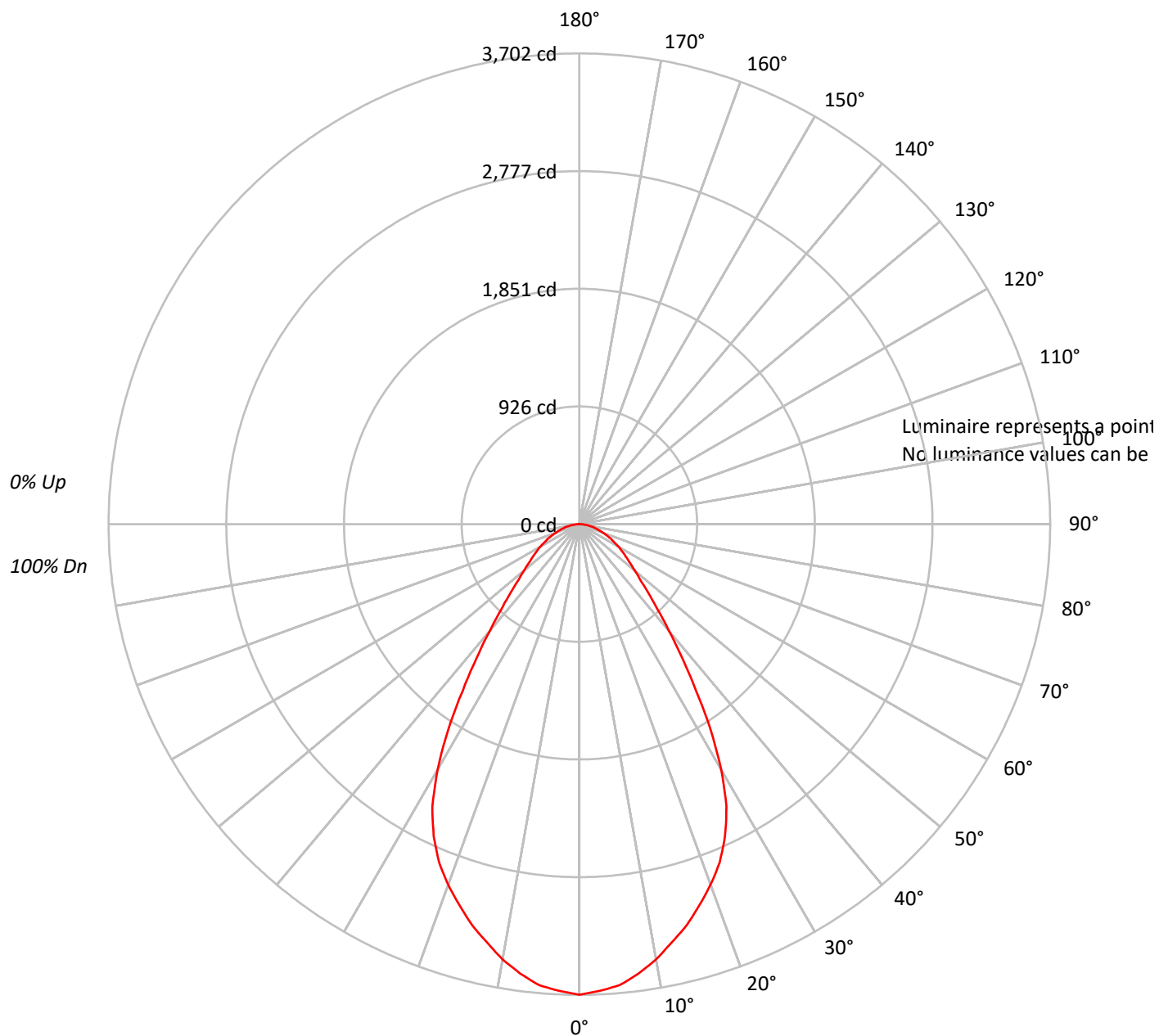
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	342.0	6.9
10°-20°	916.0	18.5
20°-30°	1229.9	24.8
30°-40°	1008.8	20.3
40°-50°	605.8	12.2
50°-60°	402.6	8.1
60°-70°	269.8	5.4
70°-80°	145.2	2.9
80°-90°	40.9	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°	2487.8	50.1
0°-40°	3496.6	70.5
0°-60°	4505.1	90.8
0°-90°	4961.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4961.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3702	
5°	3640	342
15°	3264	916
25°	2710	1230
35°	1601	1009
45°	766	606
55°	445	403
65°	274	270
75°	137	145
85°	34	41
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3701.8
2.5°	3674.4
5°	3640.2
7.5°	3564.9
10°	3476.0
12.5°	3366.5
15°	3263.9
17.5°	3140.7
20°	3017.5
22.5°	2880.7
25°	2709.6
27.5°	2504.4
30°	2230.7
32.5°	1922.7
35°	1601.1
37.5°	1327.4
40°	1094.8
42.5°	910.1
45°	766.4
47.5°	650.0
50°	567.9
52.5°	499.5
55°	444.8
57.5°	396.9
60°	355.8
62.5°	307.9
65°	273.7
67.5°	232.6
70°	198.4
72.5°	164.2
75°	136.8
77.5°	109.5
80°	82.1
82.5°	61.6
85°	34.2
87.5°	13.7
90°	0.0



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— 0°-180°







(END OF REPORT)