

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: P203608

Luminaire Tested: **LD6B60D010TE EU6B60709730 6LBMMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203608
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 EU6B60709730 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: 3575.4 lumens
Efficiency: N/A
Efficacy: 57.2 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

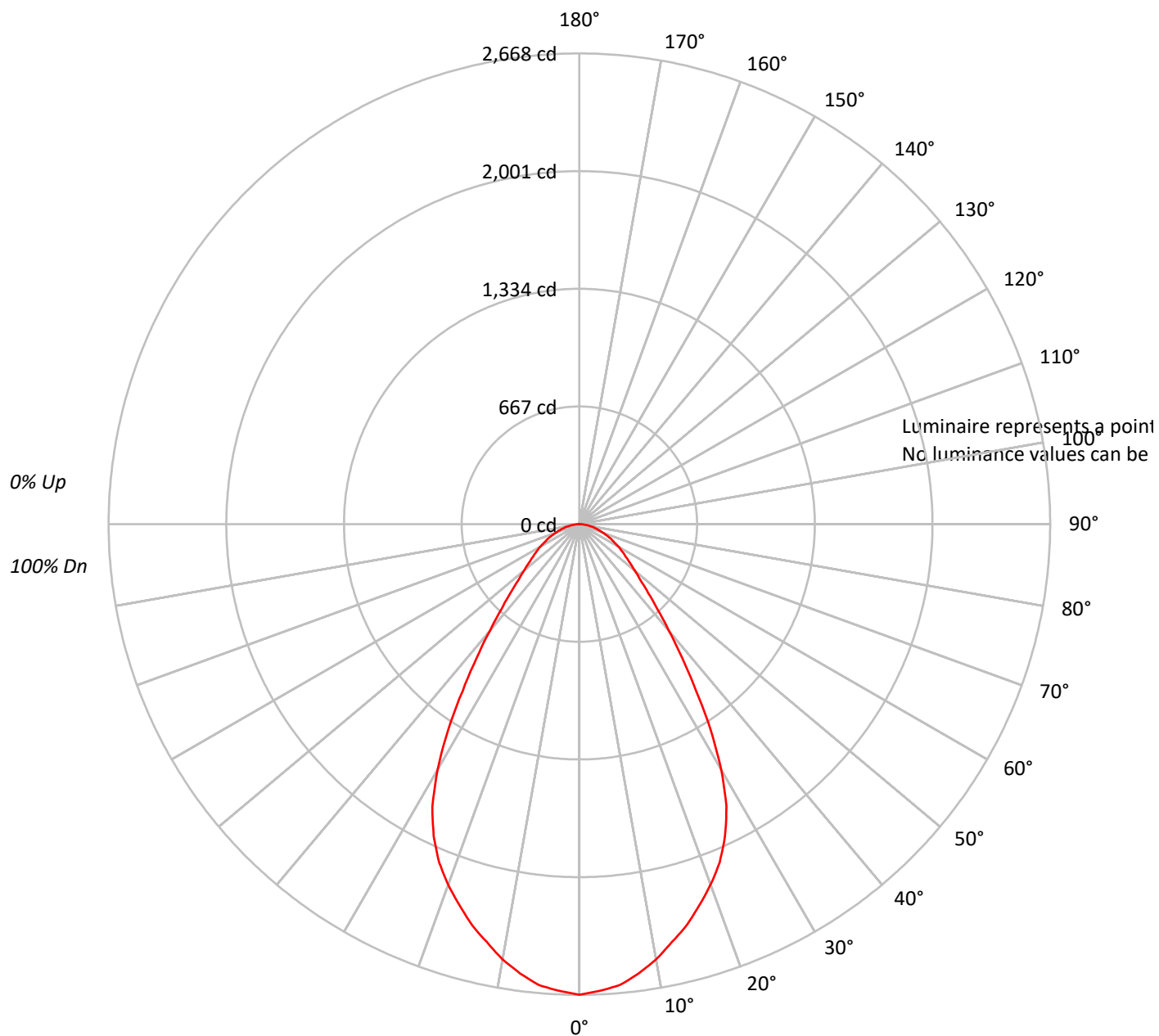
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	246.4	6.9
10°-20°	660.1	18.5
20°-30°	886.3	24.8
30°-40°	727.1	20.3
40°-50°	436.6	12.2
50°-60°	290.1	8.1
60°-70°	194.5	5.4
70°-80°	104.7	2.9
80°-90°	29.5	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°	1792.9	50.1
0°-40°	2520.0	70.5
0°-60°	3246.7	90.8
0°-90°	3575.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3575.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2668	
5°	2623	246
15°	2352	660
25°	1953	886
35°	1154	727
45°	552	437
55°	320	290
65°	197	194
75°	99	105
85°	25	30
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2667.8
2.5°	2648.1
5°	2623.4
7.5°	2569.2
10°	2505.1
12.5°	2426.2
15°	2352.2
17.5°	2263.4
20°	2174.7
22.5°	2076.0
25°	1952.8
27.5°	1804.8
30°	1607.6
32.5°	1385.7
35°	1153.9
37.5°	956.7
40°	789.0
42.5°	655.9
45°	552.3
47.5°	468.5
50°	409.3
52.5°	360.0
55°	320.5
57.5°	286.0
60°	256.4
62.5°	221.9
65°	197.2
67.5°	167.7
70°	143.0
72.5°	118.3
75°	98.6
77.5°	78.9
80°	59.2
82.5°	44.4
85°	24.7
87.5°	9.9
90°	0.0



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— 0°-180°







(END OF REPORT)