

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: P203607

Luminaire Tested: **LD6B60D010TE EU6B60709727 6LBMMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203607
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 EU6B60709727 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: 3421.0 lumens
Efficiency: N/A
Efficacy: 54.8 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

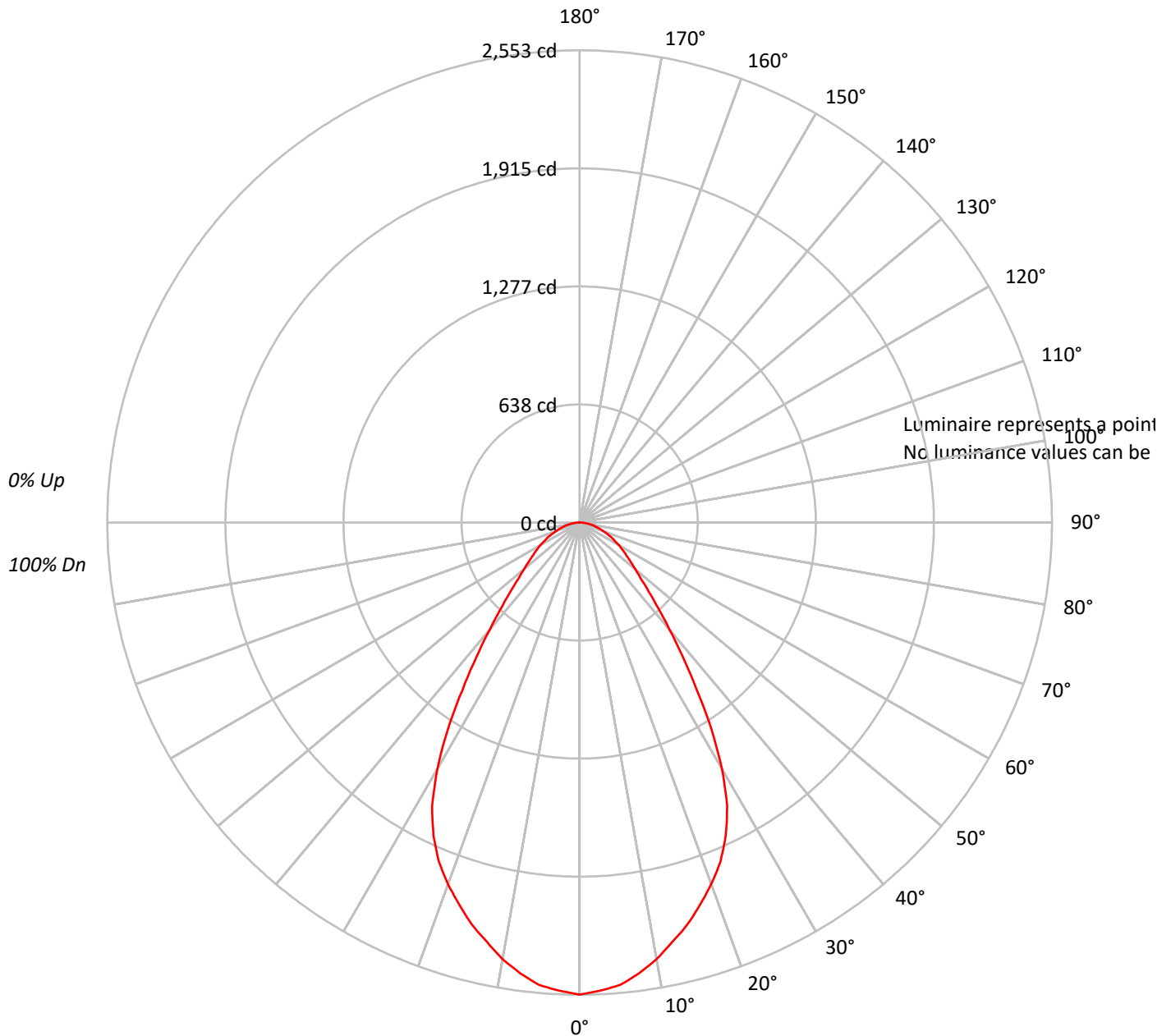
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				0			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89						
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79						
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71						
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64						
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58						
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53						
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48						
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44						
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41						
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38						

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.8	6.9
10°-20°	631.6	18.5
20°-30°	848.1	24.8
30°-40°	695.7	20.3
40°-50°	417.8	12.2
50°-60°	277.6	8.1
60°-70°	186.1	5.4
70°-80°	100.1	2.9
80°-90°	28.2	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°	1715.5	50.1
0°-40°	2411.1	70.5
0°-60°	3106.5	90.8
0°-90°	3421.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3421.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2553	
5°	2510	236
15°	2251	632
25°	1868	848
35°	1104	696
45°	528	418
55°	307	278
65°	189	186
75°	94	100
85°	24	28
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2552.6
2.5°	2533.7
5°	2510.1
7.5°	2458.2
10°	2396.9
12.5°	2321.4
15°	2250.6
17.5°	2165.7
20°	2080.8
22.5°	1986.4
25°	1868.5
27.5°	1726.9
30°	1538.2
32.5°	1325.8
35°	1104.1
37.5°	915.4
40°	754.9
42.5°	627.5
45°	528.5
47.5°	448.2
50°	391.6
52.5°	344.4
55°	306.7
57.5°	273.7
60°	245.4
62.5°	212.3
65°	188.7
67.5°	160.4
70°	136.8
72.5°	113.2
75°	94.4
77.5°	75.5
80°	56.6
82.5°	42.5
85°	23.6
87.5°	9.4
90°	0.0



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— 0°-180°







(END OF REPORT)