

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: P205139

Luminaire Tested: **LD6B50D010TE EU6B30509730 6LBMLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205139
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: LD6B50D010TE EU6B30509730 6LBMLI1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH SPECULAR CLEAR TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

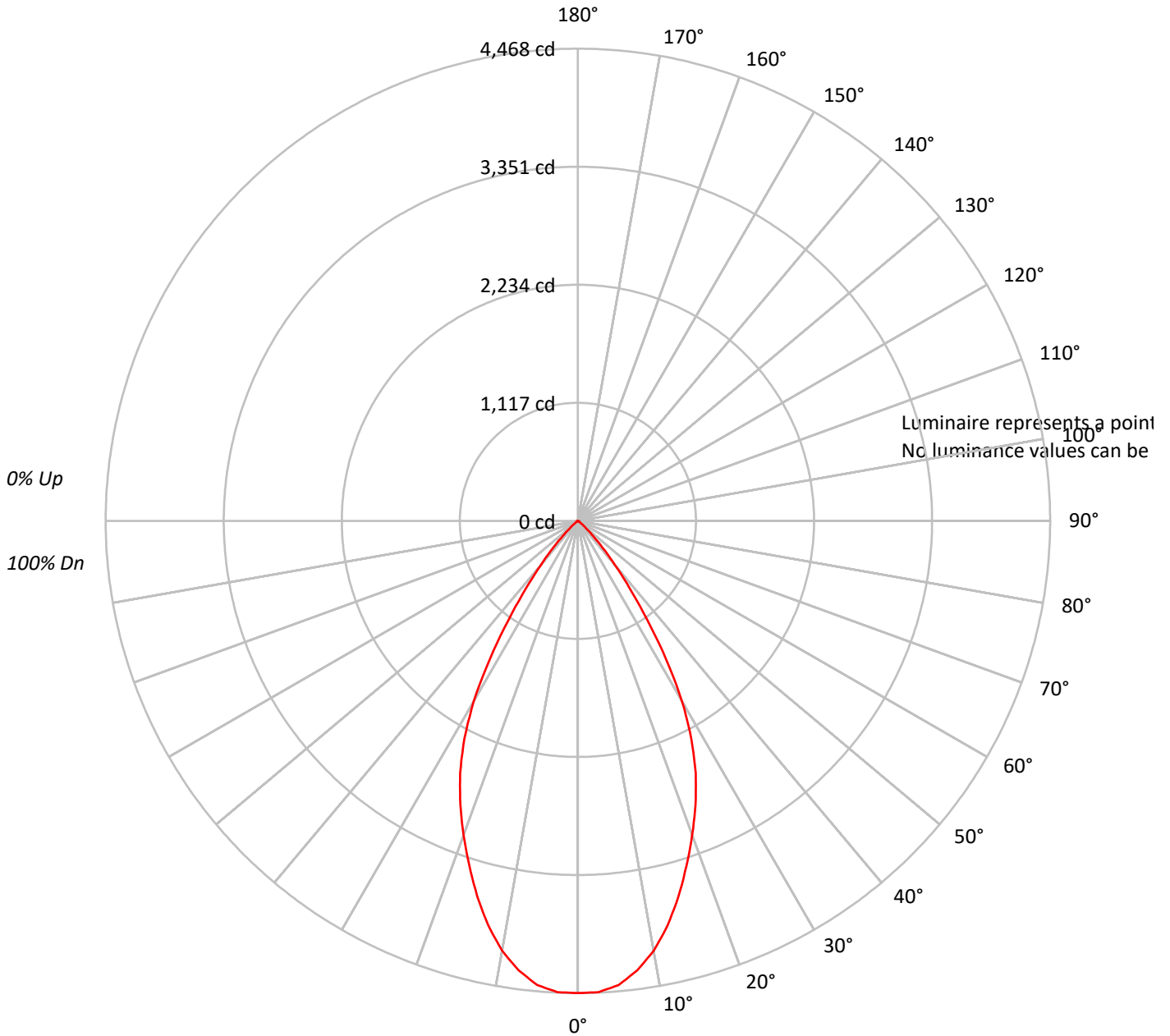
Lumens per Lamp: N/A
Luminaire Lumens: 3570.3 lumens
Efficiency: N/A
Efficacy: 60.8 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

Input Watts (W): 58.77
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94		
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88		
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82		
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76		
5	93	85	79	75	91	84	79	75	82	78	74	81	77	73	79	76	73	71		
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67		
7	84	75	69	65	83	75	69	65	73	68	65	72	68	64	71	67	64	63		
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55		
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52		

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	411.6	11.5
10°-20°	1024.8	28.7
20°-30°	1191.2	33.4
30°-40°	729.5	20.4
40°-50°	181.1	5.1
50°-60°	21.2	0.6
60°-70°	7.9	0.2
70°-80°	3.0	0.1
80°-90°	0.0	0.0
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°	2627.6	73.6
0°-40°	3357.1	94.0
0°-60°	3559.4	99.7
0°-90°	3570.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3570.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4468	
5°	4409	412
15°	3678	1025
25°	2636	1191
35°	1142	729
45°	201	181
55°	18	21
65°	9	8
75°	5	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4468.1
2.5°	4463.5
5°	4408.7
7.5°	4289.9
10°	4130.0
12.5°	3919.9
15°	3677.7
17.5°	3417.3
20°	3161.5
22.5°	2905.6
25°	2636.1
27.5°	2325.4
30°	1969.1
32.5°	1553.3
35°	1142.1
37.5°	804.1
40°	548.2
42.5°	342.6
45°	201.0
47.5°	114.2
50°	59.4
52.5°	27.4
55°	18.3
57.5°	13.7
60°	13.7
62.5°	9.1
65°	9.1
67.5°	4.6
70°	4.6
72.5°	4.6
75°	4.6
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)