

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: P205273

Luminaire Tested: **LD6B10D010 EU6B10209030 6LBNLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205273
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: LD6B10D010 EU6B10209030 6LBNLI1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH SPECULAR CLEAR TRIM
WATTAGE D010TR-10.05 W DE010-10.58 W D5LT-10.2 W DMX-10.6 W DL2-11.8 W
DL3-11.1 W DLE-11.39 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

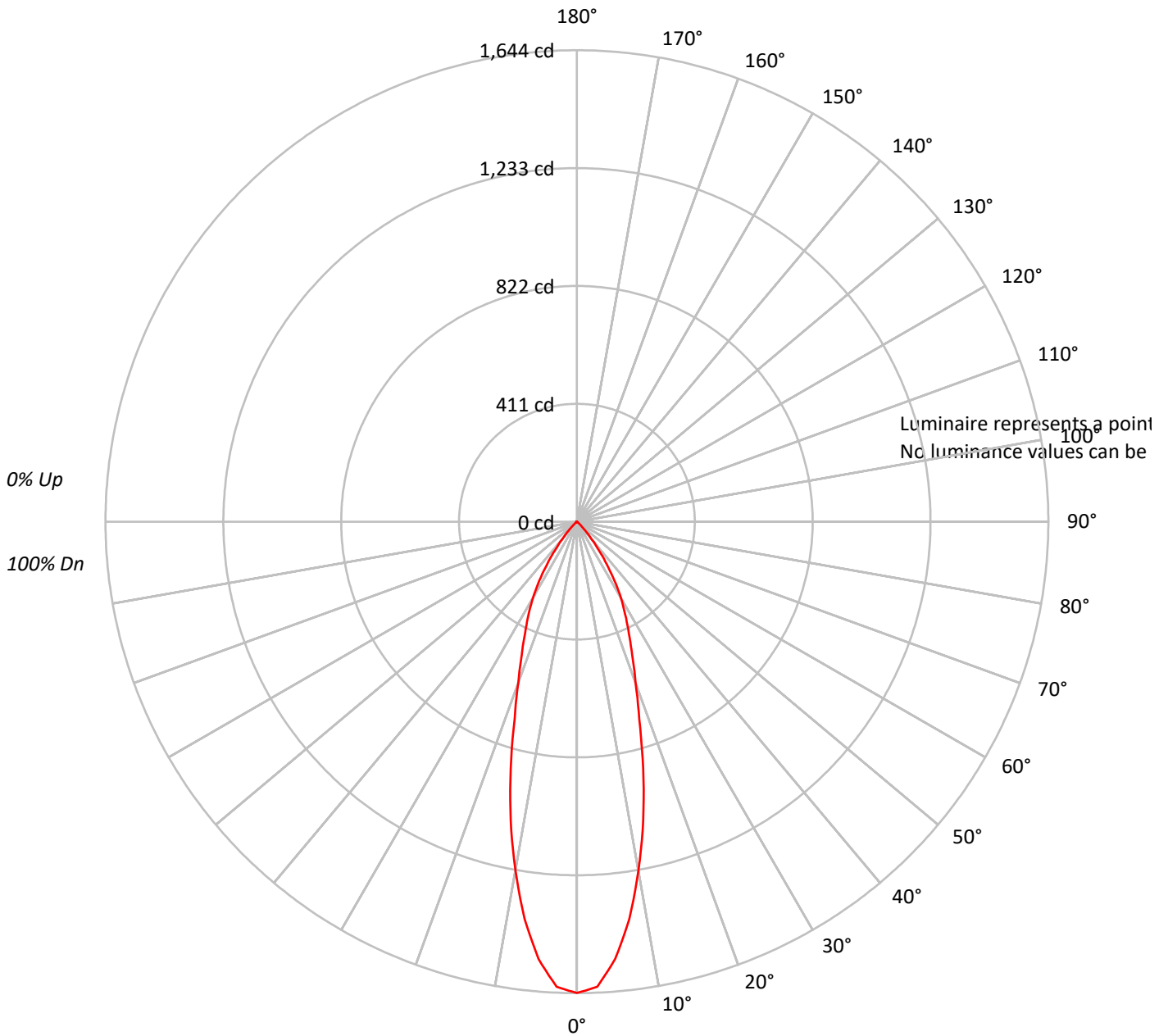
Lumens per Lamp: N/A
Luminaire Lumens: 721.8 lumens
Efficiency: N/A
Efficacy: 72.9 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.57
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

Input Watts (W): 9.9
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	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	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	96	95																												
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89																												
3	105	99	94	91	103	97	93	90	95	91	89	93	90	87	90	88	86	85																												
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80																												
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76																												
6	92	84	79	75	90	83	78	75	82	77	74	80	76	74	79	76	73	72																												
7	88	80	74	71	87	79	74	71	78	73	70	77	73	70	76	72	69	68																												
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	73	69	66	65																												
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	62																												
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	59																												

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.6	18.9
10°-20°	245.3	34.0
20°-30°	198.3	27.5
30°-40°	114.2	15.8
40°-50°	24.1	3.3
50°-60°	2.1	0.3
60°-70°	1.0	0.1
70°-80°	0.1	0.0
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°	580.2	80.4
0°-40°	694.4	96.2
0°-60°	720.7	99.8
0°-90°	721.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	721.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1644	
5°	1531	137
15°	891	245
25°	428	198
35°	181	114
45°	26	24
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1643.5
2.5°	1623.7
5°	1531.1
7.5°	1397.8
10°	1234.4
12.5°	1066.9
15°	891.0
17.5°	721.3
20°	597.4
22.5°	502.7
25°	427.8
27.5°	364.3
30°	307.0
32.5°	243.6
35°	181.1
37.5°	125.9
40°	82.2
42.5°	50.0
45°	26.0
47.5°	10.4
50°	3.1
52.5°	3.1
55°	2.1
57.5°	2.1
60°	1.0
62.5°	1.0
65°	1.0
67.5°	1.0
70°	1.0
72.5°	0.0
75°	0.0
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)