

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: P205324

Luminaire Tested: **LD6B40D010 EU6B30509035 6LBNLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205324
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: LD6B40D010 EU6B30509035 6LBNLI1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH SPECULAR CLEAR TRIM
WATTAGE D010TR-43.02 W DE010-42.54 W D5LT-42.539 W DMX-41.87 W DL2-41.57
W DL3-44.71 W DLE-39.33 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2877.4 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.58
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

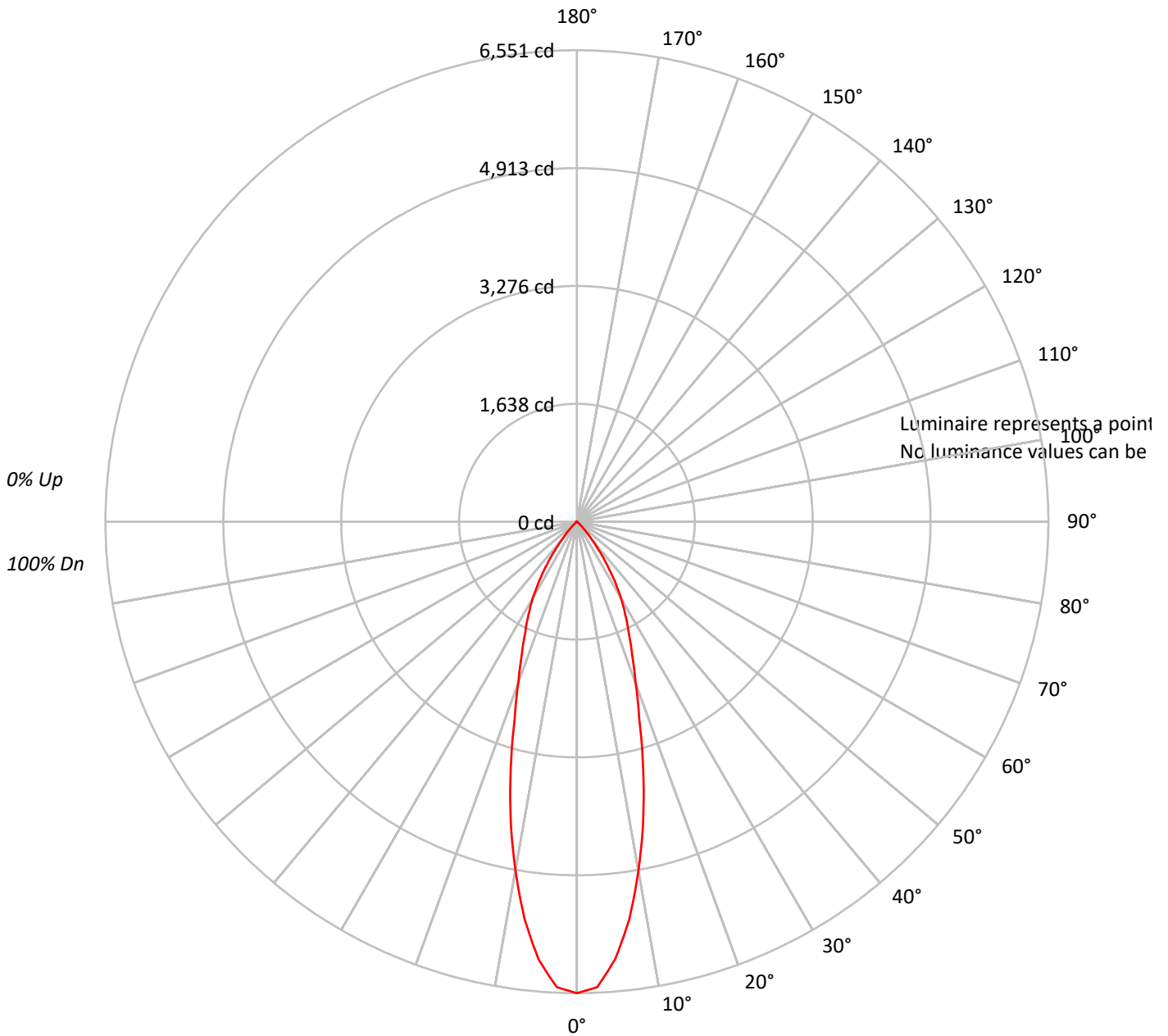
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	544.7	18.9
10°-20°	977.7	34.0
20°-30°	790.5	27.5
30°-40°	455.4	15.8
40°-50°	96.3	3.3
50°-60°	8.3	0.3
60°-70°	4.1	0.1
70°-80°	0.5	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°	2312.9	80.4
0°-40°	2768.2	96.2
0°-60°	2872.8	99.8
0°-90°	2877.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2877.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6551	
5°	6103	545
15°	3552	978
25°	1705	790
35°	722	455
45°	104	96
55°	8	8
65°	4	4
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6551.4
2.5°	6472.6
5°	6103.3
7.5°	5572.2
10°	4920.8
12.5°	4252.8
15°	3551.6
17.5°	2875.3
20°	2381.6
22.5°	2004.0
25°	1705.3
27.5°	1452.2
30°	1224.0
32.5°	970.9
35°	721.9
37.5°	502.0
40°	327.8
42.5°	199.2
45°	103.7
47.5°	41.5
50°	12.4
52.5°	12.4
55°	8.3
57.5°	8.3
60°	4.1
62.5°	4.1
65°	4.1
67.5°	4.1
70°	4.1
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)