

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: P205317

Luminaire Tested: **LD6B40D010 EU6B30508027 6LBNLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205317
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 EU6B30508027 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

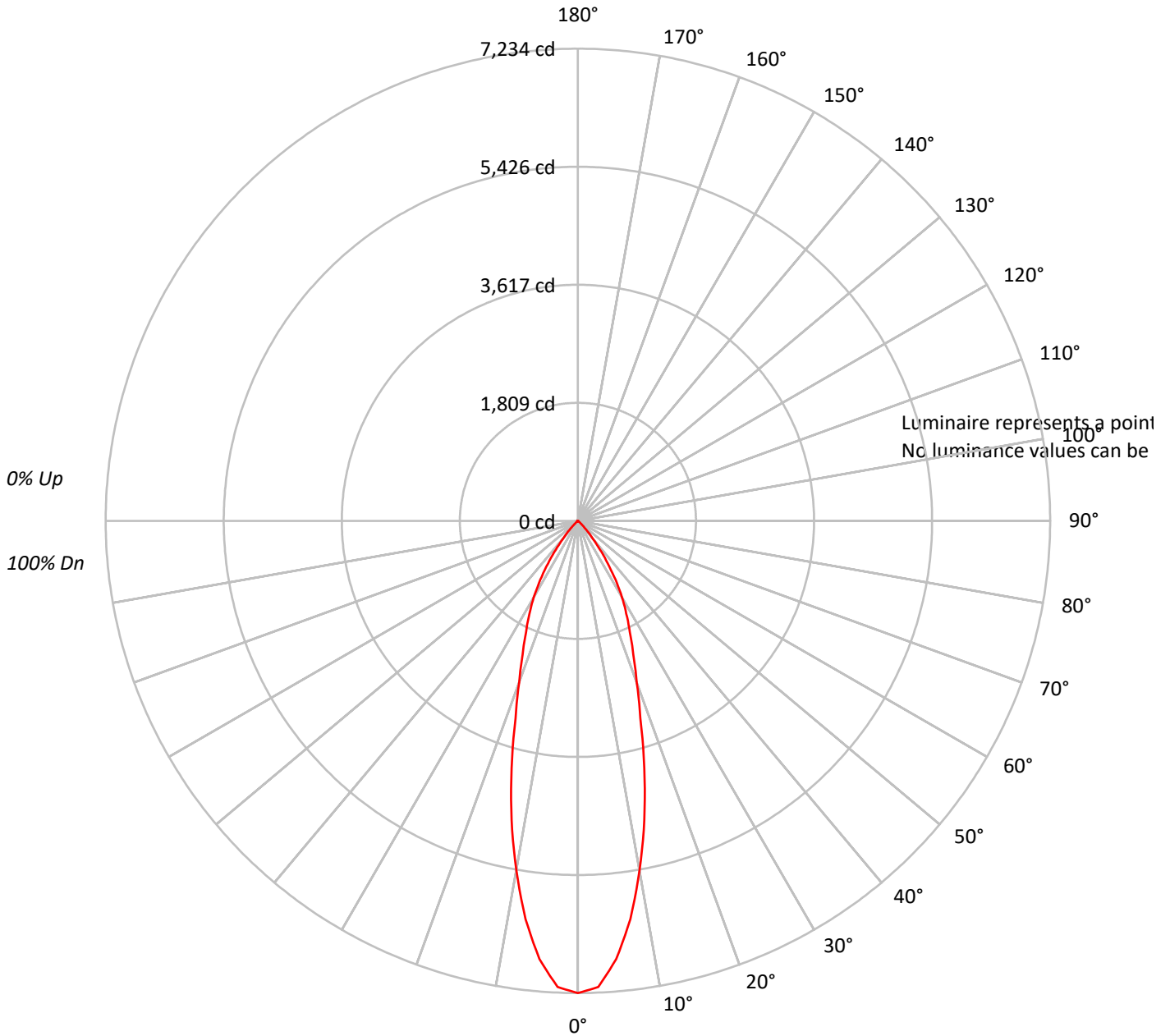
Lumens per Lamp: N/A
Luminaire Lumens: 3177.5 lumens
Efficiency: N/A
Efficacy: 76.0 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.58
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

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



TEST NUMBER: P205317
CATALOG NUMBER: LD6B40D010 EU6B30508027 6LBNLI1

Luminous Intensity Polar Plot





TEST NUMBER: P205317

CATALOG NUMBER: LD6B40D010 EU6B30508027 6LBNLI1

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):





TEST NUMBER: P205317

CATALOG NUMBER: LD6B40D010 EU6B30508027 6LBNLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	601.5	18.9
10°-20°	1079.6	34.0
20°-30°	872.9	27.5
30°-40°	502.9	15.8
40°-50°	106.3	3.3
50°-60°	9.2	0.3
60°-70°	4.6	0.1
70°-80°	0.6	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°	2554.0	80.4
0°-40°	3056.9	96.2
0°-60°	3172.4	99.8
0°-90°	3177.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3177.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7234	
5°	6740	601
15°	3922	1080
25°	1883	873
35°	797	503
45°	114	106
55°	9	9
65°	5	5
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P205317

CATALOG NUMBER: LD6B40D010 EU6B30508027 6LBNLI1

CANDELA DISTRIBUTION (FULL):

0°	
0°	7234.5
2.5°	7147.5
5°	6739.7
7.5°	6153.3
10°	5433.9
12.5°	4696.3
15°	3922.0
17.5°	3175.1
20°	2629.9
22.5°	2213.0
25°	1883.1
27.5°	1603.6
30°	1351.6
32.5°	1072.1
35°	797.2
37.5°	554.4
40°	362.0
42.5°	219.9
45°	114.5
47.5°	45.8
50°	13.7
52.5°	13.7
55°	9.2
57.5°	9.2
60°	4.6
62.5°	4.6
65°	4.6
67.5°	4.6
70°	4.6
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



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)