

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: P205342

Luminaire Tested: **LD6B60D010TE EU6B60708027 6LBNLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205342
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 EU6B60708027 6LBNLI1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW 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: 4542.2 lumens
Efficiency: N/A
Efficacy: 72.7 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

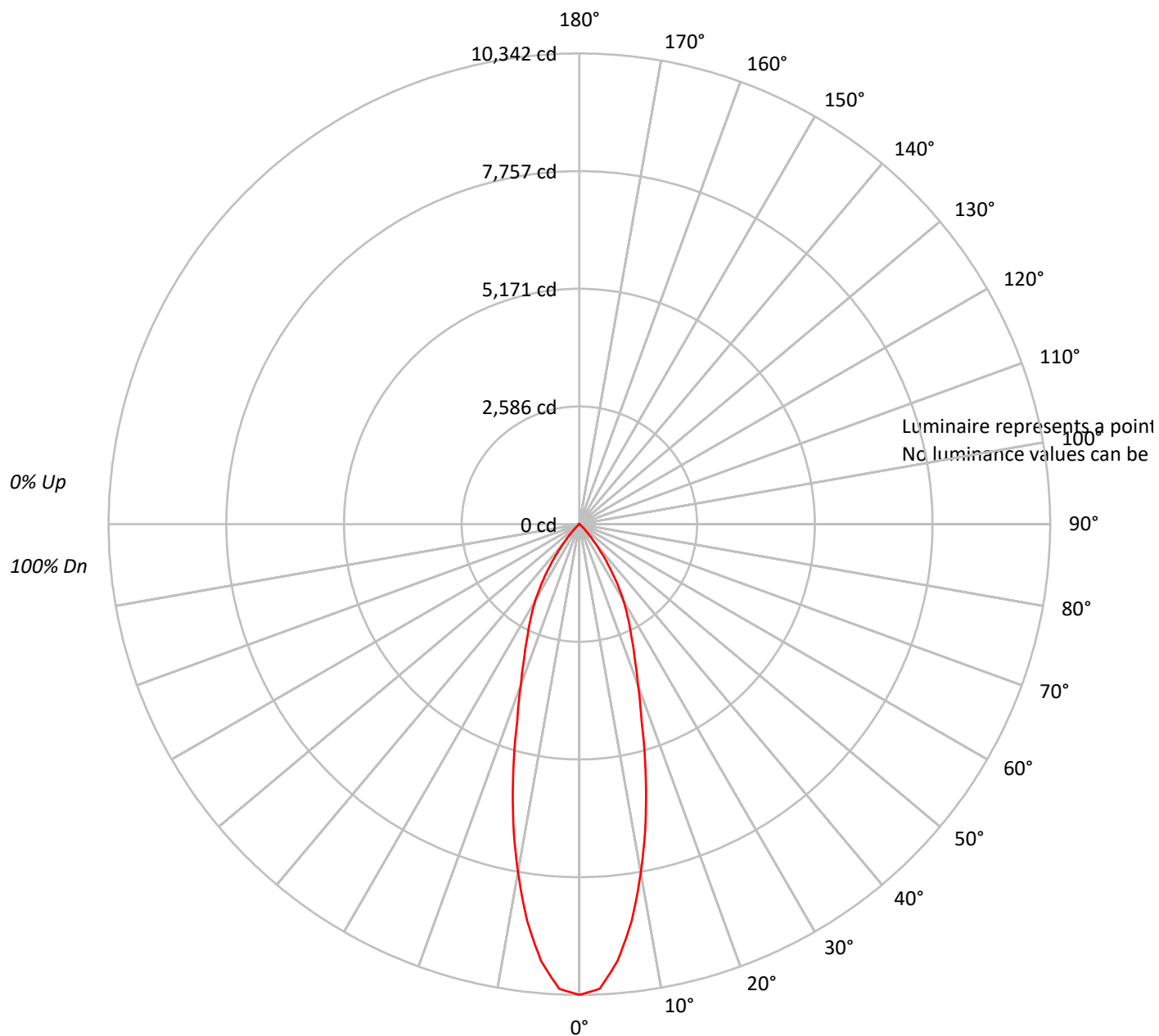
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P205342

CATALOG NUMBER: LD6B60D010TE EU6B60708027 6LBNLI1

Luminous Intensity Polar Plot





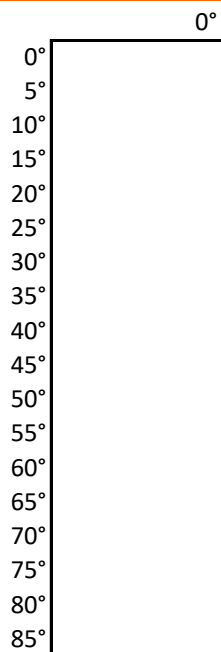
TEST NUMBER: P205342

CATALOG NUMBER: LD6B60D010TE EU6B60708027 6LBNLI1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					0
RW	70	50	30	10		70	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			100
1	114	112	109	107		112	109	107	106		105	104	102			102	101	99			95
2	109	105	101	98		107	103	100	97		100	97	95			97	95	93			89
3	105	99	94	91		103	97	93	90		95	91	89			93	90	87			85
4	100	93	88	85		98	92	88	84		90	86	83			88	85	82			80
5	96	88	83	79		94	87	83	79		86	82	78			84	81	78			76
6	92	84	79	75		90	83	78	75		82	77	74			80	76	74			72
7	88	80	74	71		87	79	74	71		78	73	70			77	73	70			68
8	84	76	71	67		83	75	70	67		74	70	67			73	69	66			65
9	81	73	67	64		80	72	67	64		71	67	63			70	66	63			62
10	78	69	64	61		77	69	64	61		68	64	61			67	63	60			59

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P205342

CATALOG NUMBER: LD6B60D010TE EU6B60708027 6LBNLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	859.8	18.9
10°-20°	1543.3	34.0
20°-30°	1247.8	27.5
30°-40°	718.8	15.8
40°-50°	152.0	3.3
50°-60°	13.1	0.3
60°-70°	6.5	0.1
70°-80°	0.8	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°	3651.0	80.4
0°-40°	4369.8	96.2
0°-60°	4534.9	99.8
0°-90°	4542.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4542.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10342	
5°	9634	860
15°	5606	1543
25°	2692	1248
35°	1140	719
45°	164	152
55°	13	13
65°	6	6
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P205342

CATALOG NUMBER: LD6B60D010TE EU6B60708027 6LBNLI1

CANDELA DISTRIBUTION (FULL):

	0°
0°	10341.8
2.5°	10217.4
5°	9634.4
7.5°	8796.1
10°	7767.8
12.5°	6713.3
15°	5606.5
17.5°	4538.9
20°	3759.5
22.5°	3163.5
25°	2691.9
27.5°	2292.4
30°	1932.1
32.5°	1532.6
35°	1139.6
37.5°	792.5
40°	517.4
42.5°	314.4
45°	163.7
47.5°	65.5
50°	19.6
52.5°	19.6
55°	13.1
57.5°	13.1
60°	6.5
62.5°	6.5
65°	6.5
67.5°	6.5
70°	6.5
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)