

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: P205148

Luminaire Tested: **LD6B60D010TE EU6B60709035 6LBMLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205148
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 EU6B60709035 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: 4629.0 lumens
Efficiency: N/A
Efficacy: 74.1 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

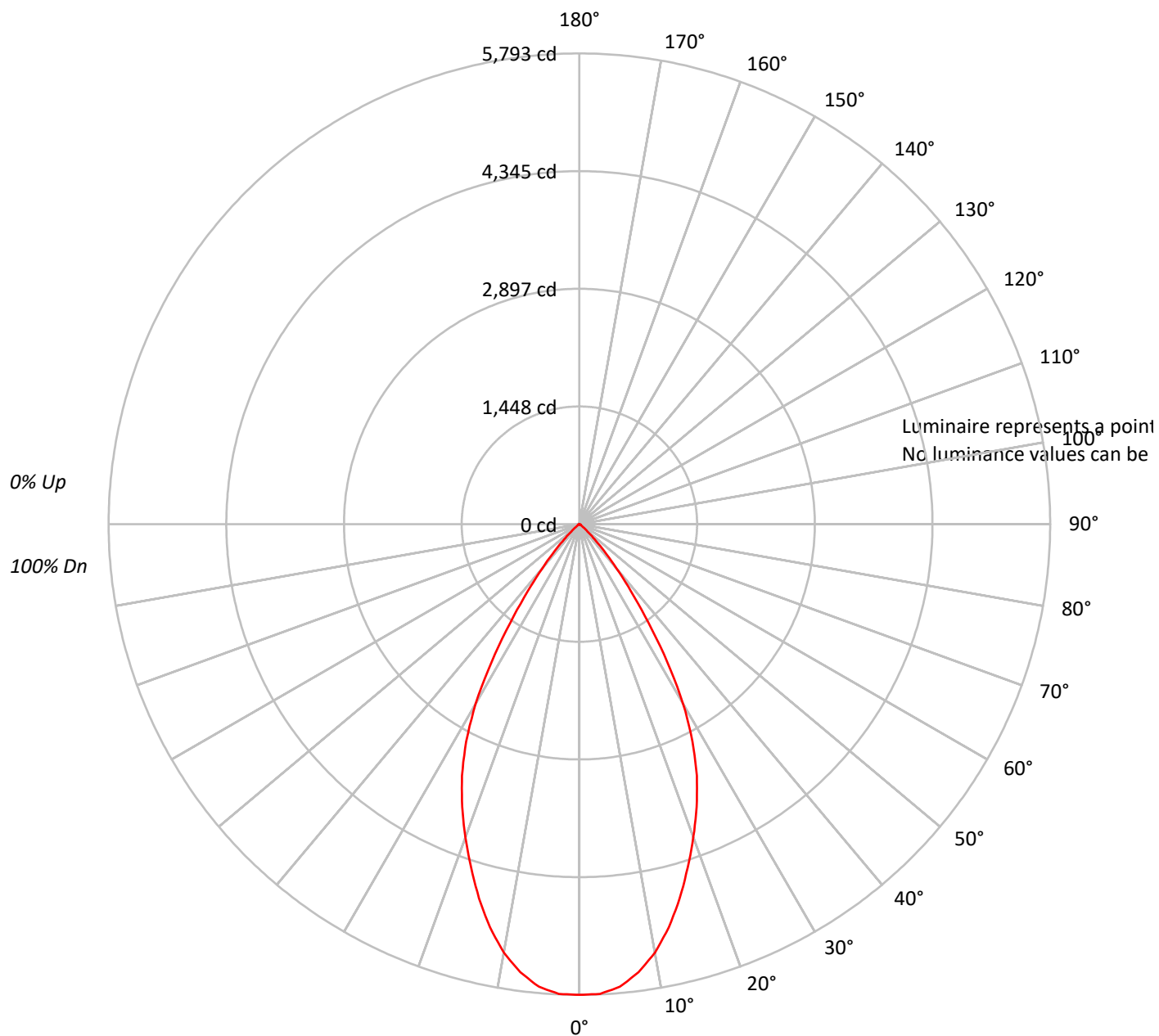
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P205148

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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98
2	108	103	100	96	106	102	98	95	99	96	93		96	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	85	81	96	89	84	81	87	83	80		85	82	79		83
5	93	85	79	75	91	84	79	75	82	78	74		81	77	73		79
6	89	80	74	70	87	79	74	70	78	73	69		76	72	69		75
7	84	75	69	65	83	75	69	65	73	68	65		72	68	64		71
8	80	71	65	61	79	70	65	61	69	64	61		68	64	60		67
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	57	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	533.7	11.5
10°-20°	1328.6	28.7
20°-30°	1544.5	33.4
30°-40°	945.8	20.4
40°-50°	234.9	5.1
50°-60°	27.5	0.6
60°-70°	10.2	0.2
70°-80°	3.9	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°	3406.8	73.6
0°-40°	4352.6	94.0
0°-60°	4614.9	99.7
0°-90°	4629.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4629.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5793	
5°	5716	534
15°	4768	1329
25°	3418	1544
35°	1481	946
45°	261	235
55°	24	27
65°	12	10
75°	6	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5793.0
2.5°	5787.1
5°	5716.0
7.5°	5562.0
10°	5354.7
12.5°	5082.2
15°	4768.3
17.5°	4430.7
20°	4098.9
22.5°	3767.2
25°	3417.8
27.5°	3015.0
30°	2553.0
32.5°	2013.9
35°	1480.8
37.5°	1042.5
40°	710.8
42.5°	444.3
45°	260.6
47.5°	148.1
50°	77.0
52.5°	35.5
55°	23.7
57.5°	17.8
60°	17.8
62.5°	11.8
65°	11.8
67.5°	5.9
70°	5.9
72.5°	5.9
75°	5.9
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)