

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: P205114

Luminaire Tested: **LD6B30D010 EU6B30509730 6LBMLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205114
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: LD6B30D010 EU6B30509730 6LBMLI1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH SPECULAR CLEAR TRIM
WATTAGE D010TR-27.4 W DE010-27.95 W D5LT-27.65 W DMX-27.73 W DL2-29.56 W
DL3-29.67 W DLE-29.73 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1973.8 lumens
Efficiency: N/A
Efficacy: 70.5 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

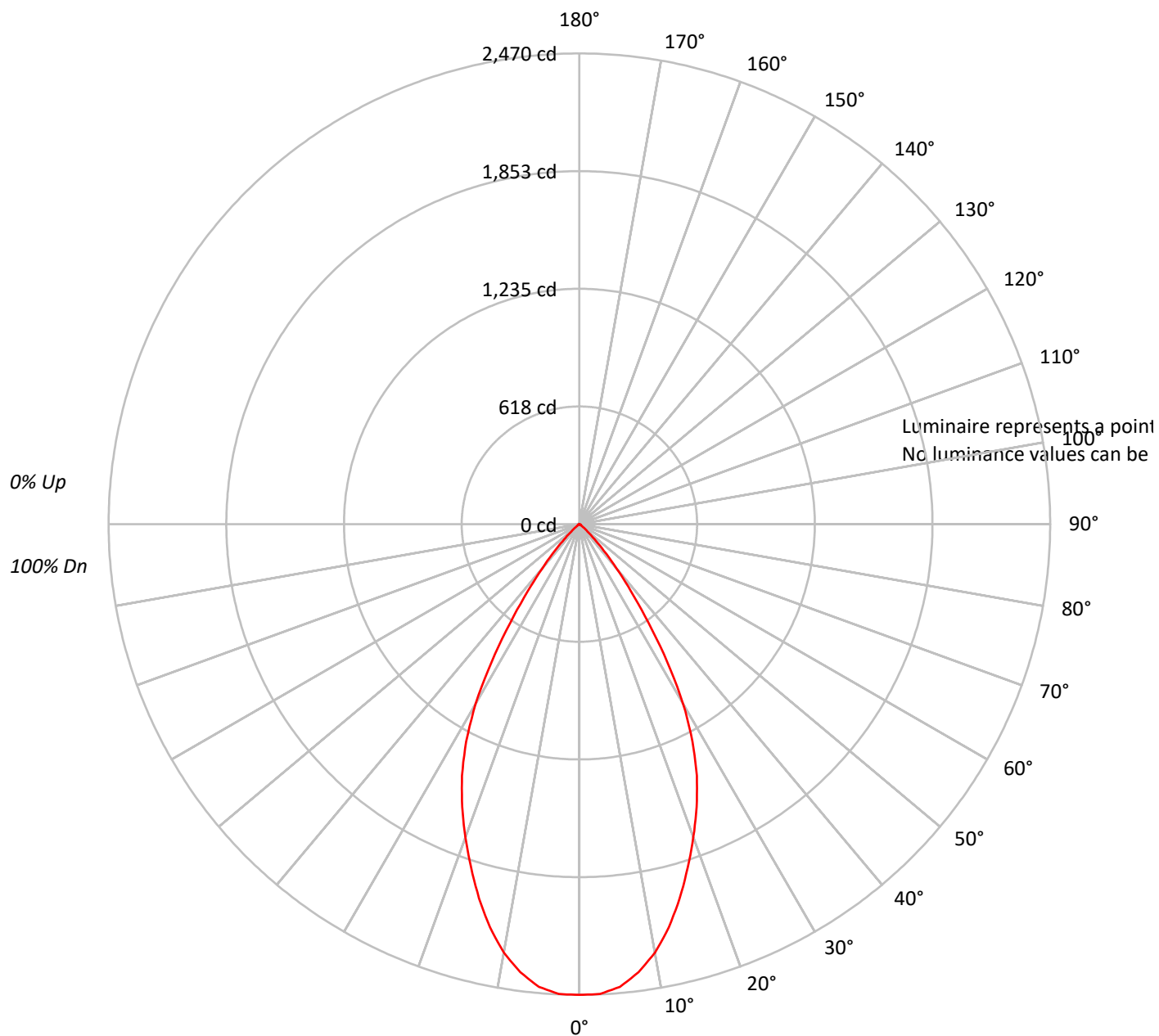
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
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°	227.6	11.5
10°-20°	566.5	28.7
20°-30°	658.6	33.4
30°-40°	403.3	20.4
40°-50°	100.1	5.1
50°-60°	11.7	0.6
60°-70°	4.4	0.2
70°-80°	1.6	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°	1452.7	73.6
0°-40°	1856.0	94.0
0°-60°	1967.8	99.7
0°-90°	1973.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1973.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2470	
5°	2437	228
15°	2033	567
25°	1457	659
35°	631	403
45°	111	100
55°	10	12
65°	5	4
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2470.2
2.5°	2467.7
5°	2437.4
7.5°	2371.7
10°	2283.3
12.5°	2167.1
15°	2033.2
17.5°	1889.3
20°	1747.8
22.5°	1606.4
25°	1457.4
27.5°	1285.6
30°	1088.6
32.5°	858.8
35°	631.4
37.5°	444.5
40°	303.1
42.5°	189.4
45°	111.1
47.5°	63.1
50°	32.8
52.5°	15.2
55°	10.1
57.5°	7.6
60°	7.6
62.5°	5.1
65°	5.1
67.5°	2.5
70°	2.5
72.5°	2.5
75°	2.5
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)