

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: P203999

Luminaire Tested: **LD6B50D010TE EU6B30508050 6LBNB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203999
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: LD6B50D010TE EU6B30508050 6LBNB1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH SPECULAR BLACK TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2415.4 lumens
Efficiency: N/A
Efficacy: 41.1 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.83
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

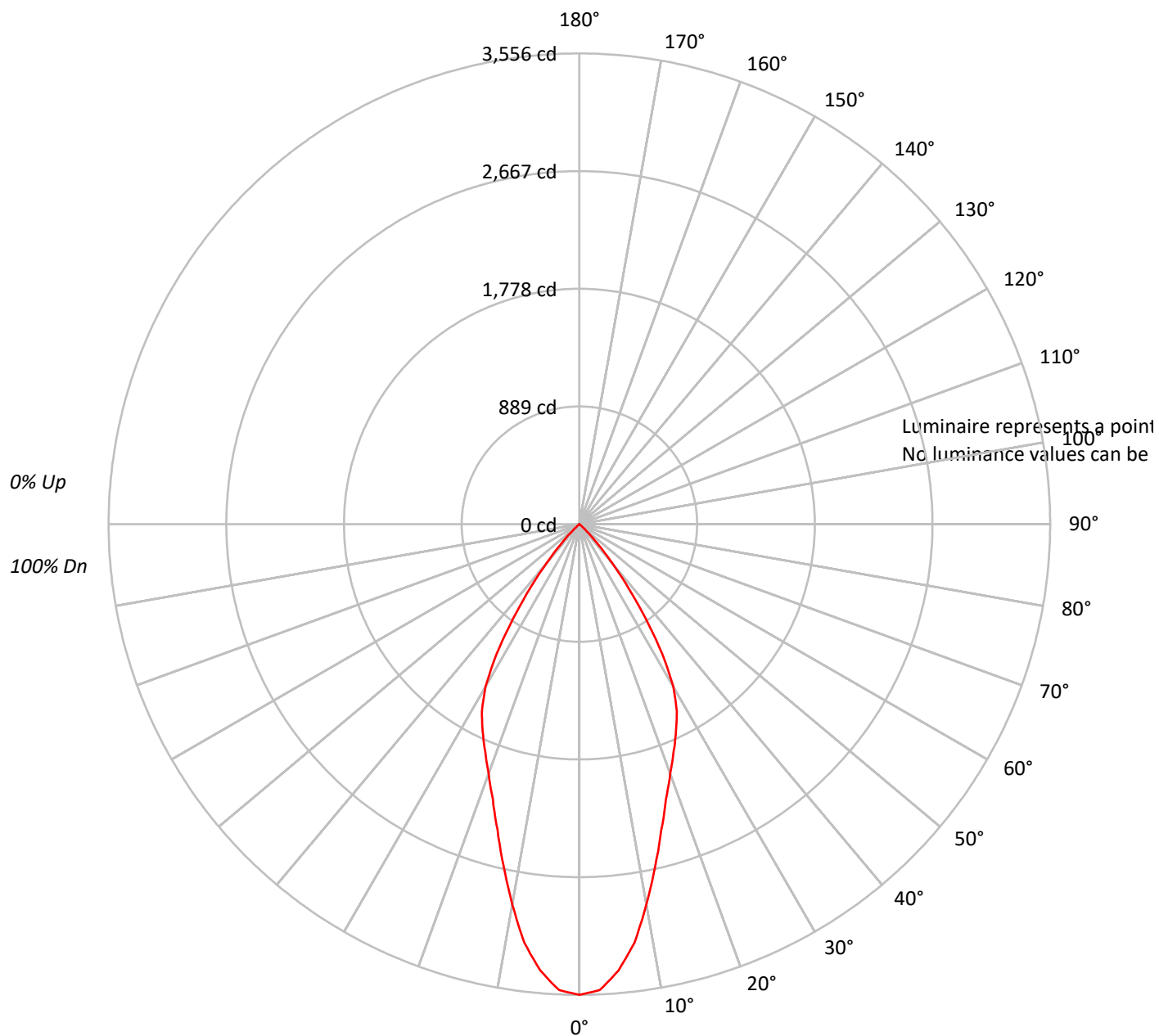
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	114	111	109	107		111	109	107	105		105	103	102			101	100	99			94
2	108	104	100	97		106	102	99	96		99	96	93			96	94	91			88
3	103	97	92	88		101	96	91	88		93	89	86			91	88	85			82
4	98	91	86	82		96	90	85	81		88	84	80			86	82	79			77
5	93	85	80	76		92	85	79	75		83	78	75			81	77	74			72
6	89	80	75	71		88	80	74	70		78	73	70			77	73	69			67
7	85	76	70	66		83	75	70	66		74	69	65			73	68	65			63
8	81	72	66	62		80	71	66	62		70	65	61			69	64	61			60
9	77	68	62	58		76	67	62	58		66	61	58			65	61	58			56
10	74	64	59	55		73	64	58	55		63	58	55			62	58	55			53

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.5	12.8
10°-20°	672.3	27.8
20°-30°	790.0	32.7
30°-40°	543.9	22.5
40°-50°	100.7	4.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	1770.8	73.3
0°-40°	2314.7	95.8
0°-60°	2415.4	100.0
0°-90°	2415.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2415.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3556	
5°	3385	309
15°	2392	672
25°	1727	790
35°	873	544
45°	101	101
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3555.8
2.5°	3524.2
5°	3385.0
7.5°	3188.8
10°	2916.8
12.5°	2644.7
15°	2391.6
17.5°	2176.5
20°	2005.7
22.5°	1860.1
25°	1727.3
27.5°	1594.4
30°	1417.3
32.5°	1164.2
35°	873.1
37.5°	607.4
40°	385.9
42.5°	215.1
45°	101.2
47.5°	31.6
50°	0.0
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
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)