

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: P205140

Luminaire Tested: **LD6B60D010TE EU6B60708027 6LBMLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205140
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 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: 5111.6 lumens
Efficiency: N/A
Efficacy: 81.8 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

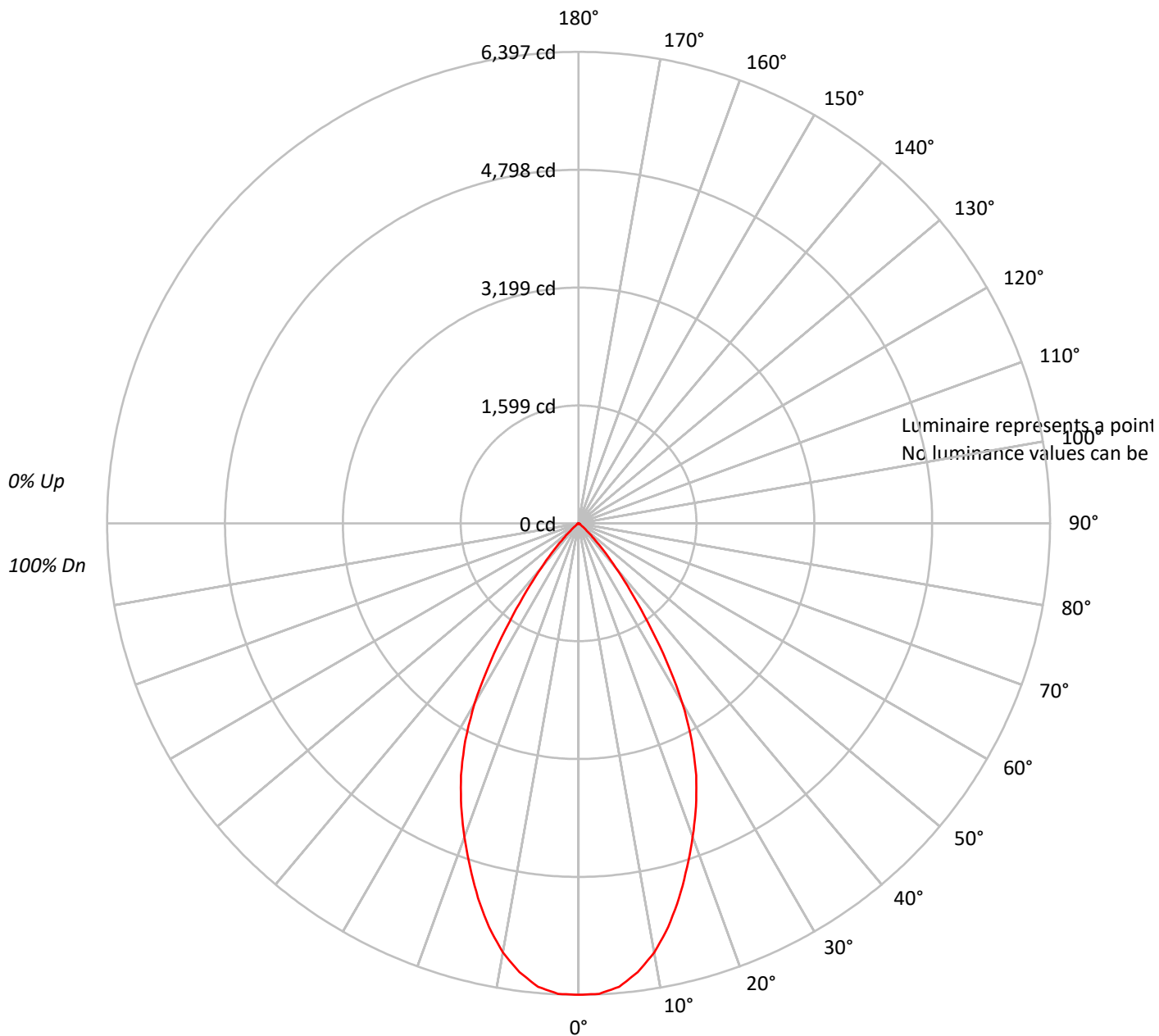
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	589.3	11.5
10°-20°	1467.2	28.7
20°-30°	1705.5	33.4
30°-40°	1044.4	20.4
40°-50°	259.3	5.1
50°-60°	30.3	0.6
60°-70°	11.3	0.2
70°-80°	4.3	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°	3762.0	73.6
0°-40°	4806.4	94.0
0°-60°	5096.1	99.7
0°-90°	5111.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5111.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6397	
5°	6312	589
15°	5266	1467
25°	3774	1706
35°	1635	1044
45°	288	259
55°	26	30
65°	13	11
75°	6	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6397.1
2.5°	6390.5
5°	6312.0
7.5°	6142.0
10°	5913.0
12.5°	5612.2
15°	5265.5
17.5°	4892.6
20°	4526.4
22.5°	4160.1
25°	3774.1
27.5°	3329.4
30°	2819.2
32.5°	2223.9
35°	1635.2
37.5°	1151.2
40°	784.9
42.5°	490.6
45°	287.8
47.5°	163.5
50°	85.0
52.5°	39.2
55°	26.2
57.5°	19.6
60°	19.6
62.5°	13.1
65°	13.1
67.5°	6.5
70°	6.5
72.5°	6.5
75°	6.5
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)