

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: P205151

Luminaire Tested: **LD6B60D010TE EU6B60709727 6LBMLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205151
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 EU6B60709727 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: 3816.9 lumens
Efficiency: N/A
Efficacy: 61.1 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

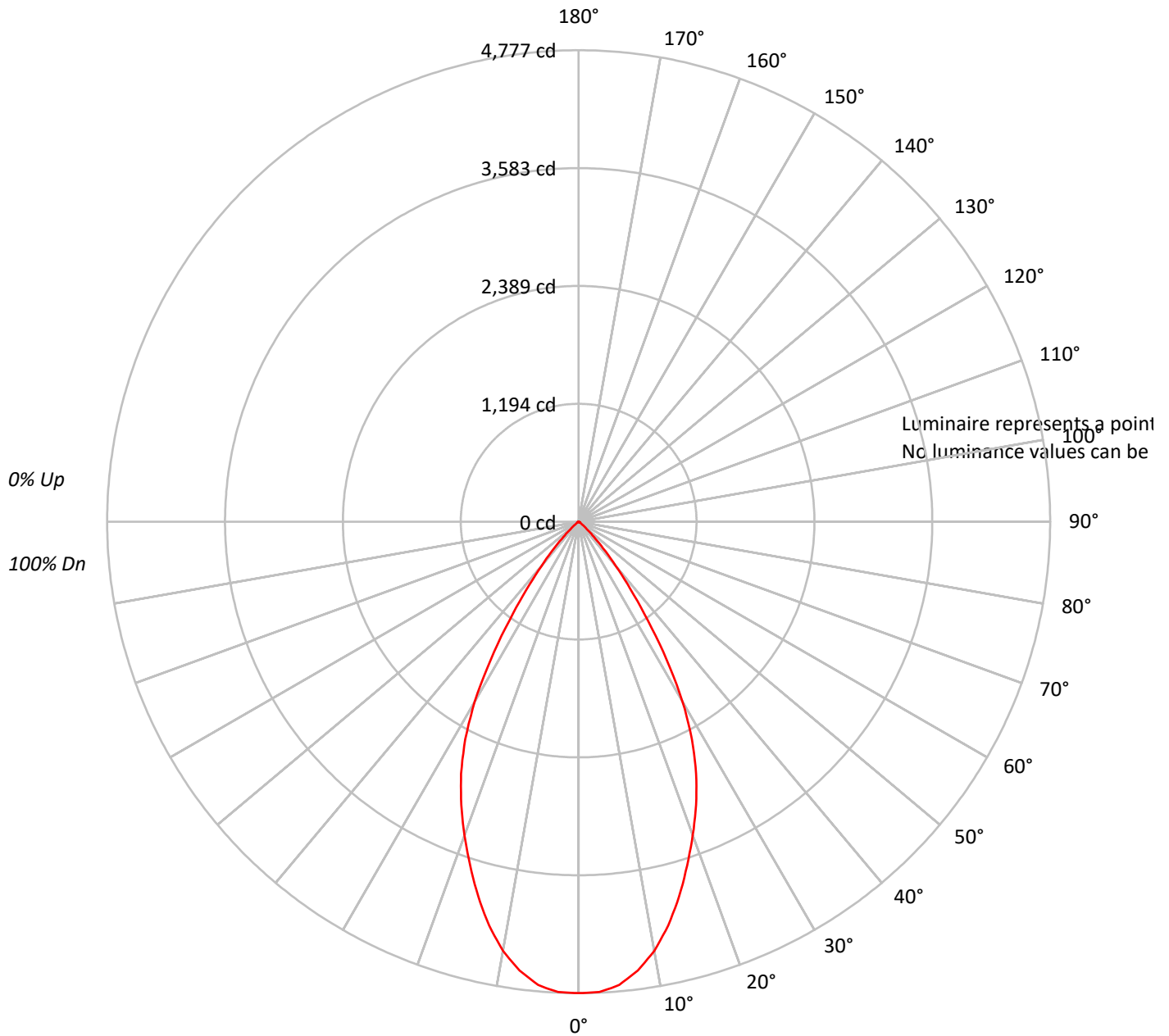
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.0	11.5
10°-20°	1095.5	28.7
20°-30°	1273.5	33.4
30°-40°	779.9	20.4
40°-50°	193.7	5.1
50°-60°	22.7	0.6
60°-70°	8.4	0.2
70°-80°	3.2	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°	2809.1	73.6
0°-40°	3588.9	94.0
0°-60°	3805.2	99.7
0°-90°	3816.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3816.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4777	
5°	4713	440
15°	3932	1096
25°	2818	1273
35°	1221	780
45°	215	194
55°	20	23
65°	10	8
75°	5	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4776.6
2.5°	4771.8
5°	4713.1
7.5°	4586.2
10°	4415.2
12.5°	4190.6
15°	3931.7
17.5°	3653.3
20°	3379.8
22.5°	3106.3
25°	2818.1
27.5°	2486.0
30°	2105.0
32.5°	1660.6
35°	1221.0
37.5°	859.6
40°	586.1
42.5°	366.3
45°	214.9
47.5°	122.1
50°	63.5
52.5°	29.3
55°	19.5
57.5°	14.7
60°	14.7
62.5°	9.8
65°	9.8
67.5°	4.9
70°	4.9
72.5°	4.9
75°	4.9
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)