

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: P205535

Luminaire Tested: **LD6B50D010TE EU6B30508027 6LBMGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205535
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 EU6B30508027 6LBMGPH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH GRAPHITE HAZE TRIM
SINGLE DRIVER D010TE
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2852.8 lumens
Efficiency: N/A
Efficacy: 48.5 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.91
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

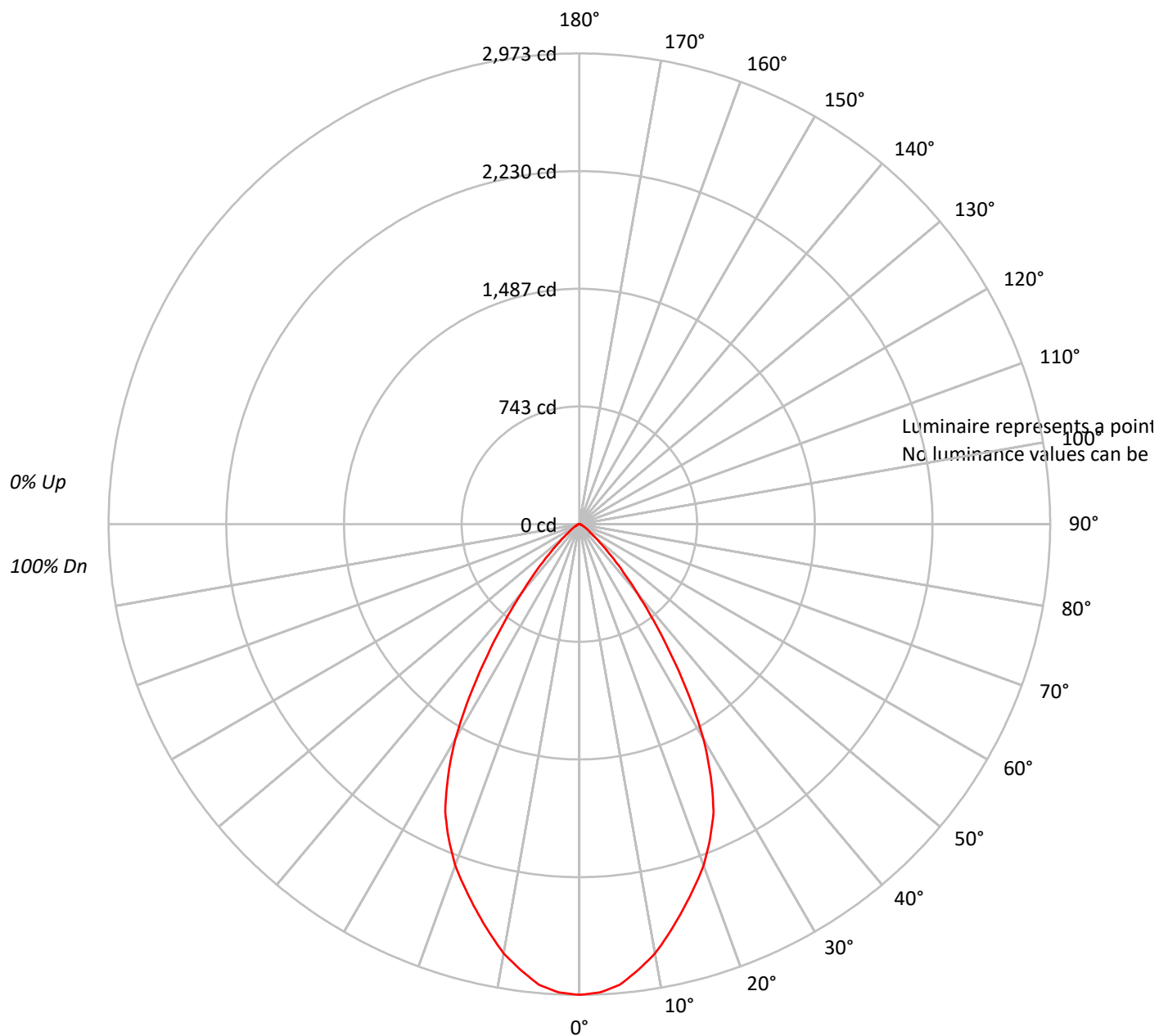
Input Watts (W): 58.77
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	108	105	111	108	106	104	104	102	101		100	99	98		97
2	107	102	98	94	105	100	97	93	97	94	91		94	92	89		91
3	102	95	90	85	100	93	89	85	91	87	83		88	85	82		86
4	96	88	82	78	94	87	82	77	85	80	77		83	79	76		81
5	91	82	76	72	89	81	76	71	79	74	71		78	73	70		76
6	86	77	71	66	85	76	70	66	74	69	65		73	68	65		72
7	82	72	66	61	80	71	65	61	70	65	61		69	64	60		68
8	77	68	61	57	76	67	61	57	66	60	57		65	60	56		64
9	74	64	57	53	72	63	57	53	62	57	53		61	56	53		60
10	70	60	54	50	69	59	54	50	59	53	50		58	53	49		57

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.1	9.6
10°-20°	708.7	24.8
20°-30°	902.9	31.6
30°-40°	638.1	22.4
40°-50°	232.9	8.2
50°-60°	64.6	2.3
60°-70°	23.4	0.8
70°-80°	8.4	0.3
80°-90°	0.8	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°	1884.6	66.1
0°-40°	2522.7	88.4
0°-60°	2820.2	98.9
0°-90°	2852.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2852.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2973	
5°	2921	273
15°	2523	709
25°	2005	903
35°	1014	638
45°	282	233
55°	69	65
65°	23	23
75°	6	8
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2972.8
2.5°	2961.3
5°	2920.9
7.5°	2840.3
10°	2753.9
12.5°	2638.6
15°	2523.4
17.5°	2408.2
20°	2293.0
22.5°	2154.7
25°	2004.9
27.5°	1797.5
30°	1567.0
32.5°	1290.5
35°	1014.0
37.5°	772.0
40°	564.6
42.5°	409.0
45°	282.3
47.5°	190.1
50°	126.7
52.5°	86.4
55°	69.1
57.5°	51.9
60°	40.3
62.5°	28.8
65°	23.0
67.5°	17.3
70°	11.5
72.5°	11.5
75°	5.8
77.5°	5.8
80°	5.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)