

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: P202633

Luminaire Tested: **LD6B30D010 EU6B30508040 6LBMWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202633
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 EU6B30508040 6LBMWMH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH WARM HAZE 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: 2401.4 lumens
Efficiency: N/A
Efficacy: 85.8 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.89
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

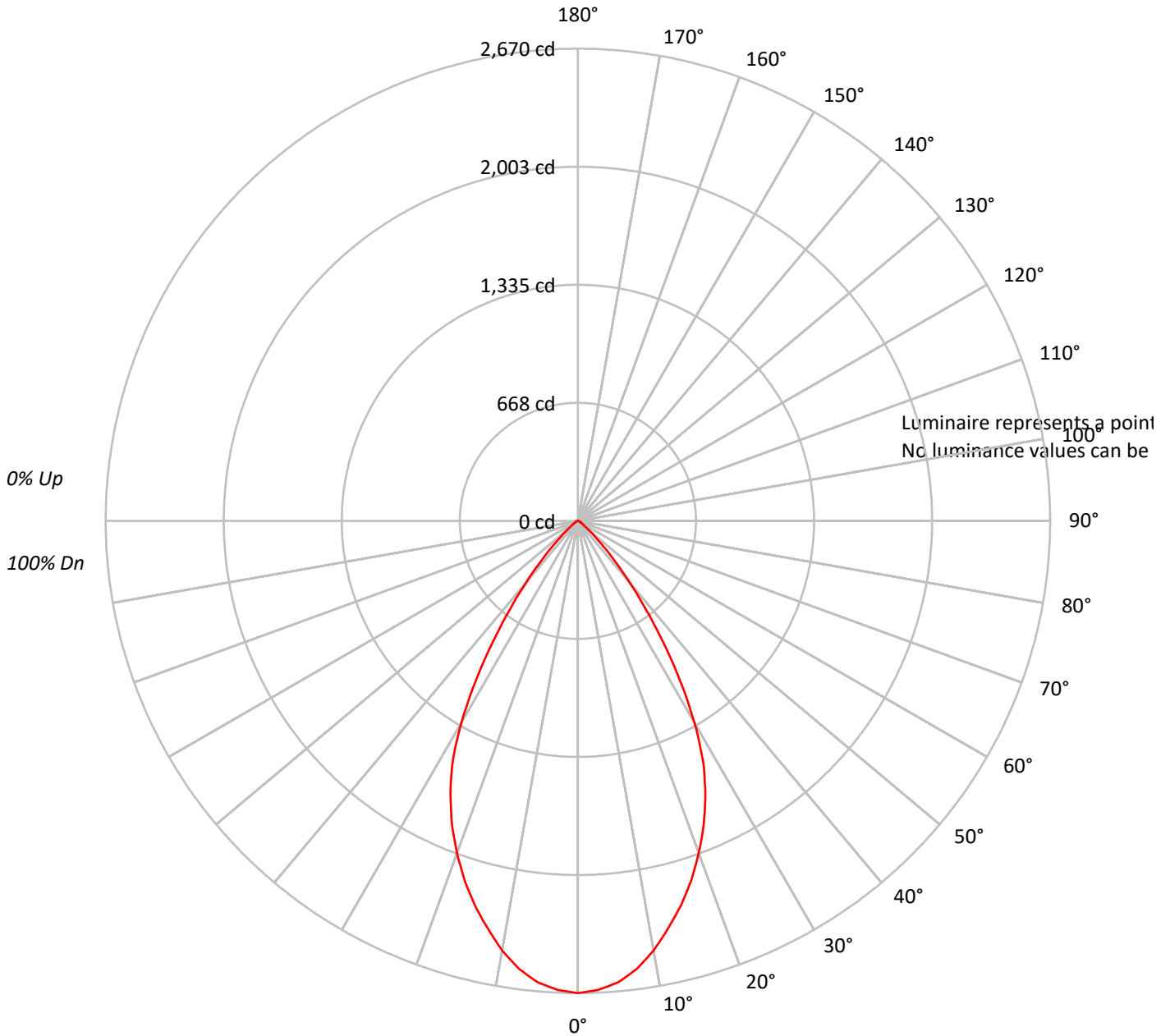
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		0	
RW	70	50	30	10	70	50	30	10	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	100		
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86		
3	102	95	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80		
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74		
5	92	83	77	73	90	82	77	73	80	76	72	79	75	71	77	74	71	69		
6	87	78	72	67	85	77	71	67	76	71	67	74	70	66	73	69	66	64		
7	83	73	67	63	81	72	67	63	71	66	62	70	65	62	69	65	61	60		
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	58	56		
9	75	65	59	55	73	64	59	55	63	58	54	62	58	54	62	57	54	53		
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	50		

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.1	10.2
10°-20°	629.2	26.2
20°-30°	772.8	32.2
30°-40°	529.9	22.1
40°-50°	170.3	7.1
50°-60°	34.5	1.4
60°-70°	13.6	0.6
70°-80°	5.1	0.2
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°	1647.1	68.6
0°-40°	2177.0	90.7
0°-60°	2381.9	99.2
0°-90°	2401.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2401.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2670	
5°	2620	245
15°	2251	629
25°	1705	773
35°	845	530
45°	202	170
55°	35	35
65°	14	14
75°	4	5
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2670.5
2.5°	2654.2
5°	2619.6
7.5°	2554.4
10°	2466.8
12.5°	2358.8
15°	2250.9
17.5°	2130.7
20°	1998.3
22.5°	1859.8
25°	1705.0
27.5°	1533.8
30°	1317.9
32.5°	1079.6
35°	845.3
37.5°	631.5
40°	454.2
42.5°	309.6
45°	201.7
47.5°	124.3
50°	75.4
52.5°	46.9
55°	34.6
57.5°	26.5
60°	20.4
62.5°	16.3
65°	14.3
67.5°	10.2
70°	8.1
72.5°	6.1
75°	4.1
77.5°	4.1
80°	2.0
82.5°	2.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)