

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: P203628

Luminaire Tested: **LSR6B10D010BZ EC6B10209030 6LBNH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203628
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: LSR6B10D010BZ EC6B10209030 6LBNH1
Description: PORTFOLIO 6IN CYLINDER
NARROW DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM
WATTAGE D010TR-10.05 W DE010-10.58 W D5LT-10.2 W DMX-10.6 W DL2-11.8 W
DL3-11.1 W DLE-11.39 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 571.0 lumens
Efficiency: N/A
Efficacy: 57.7 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

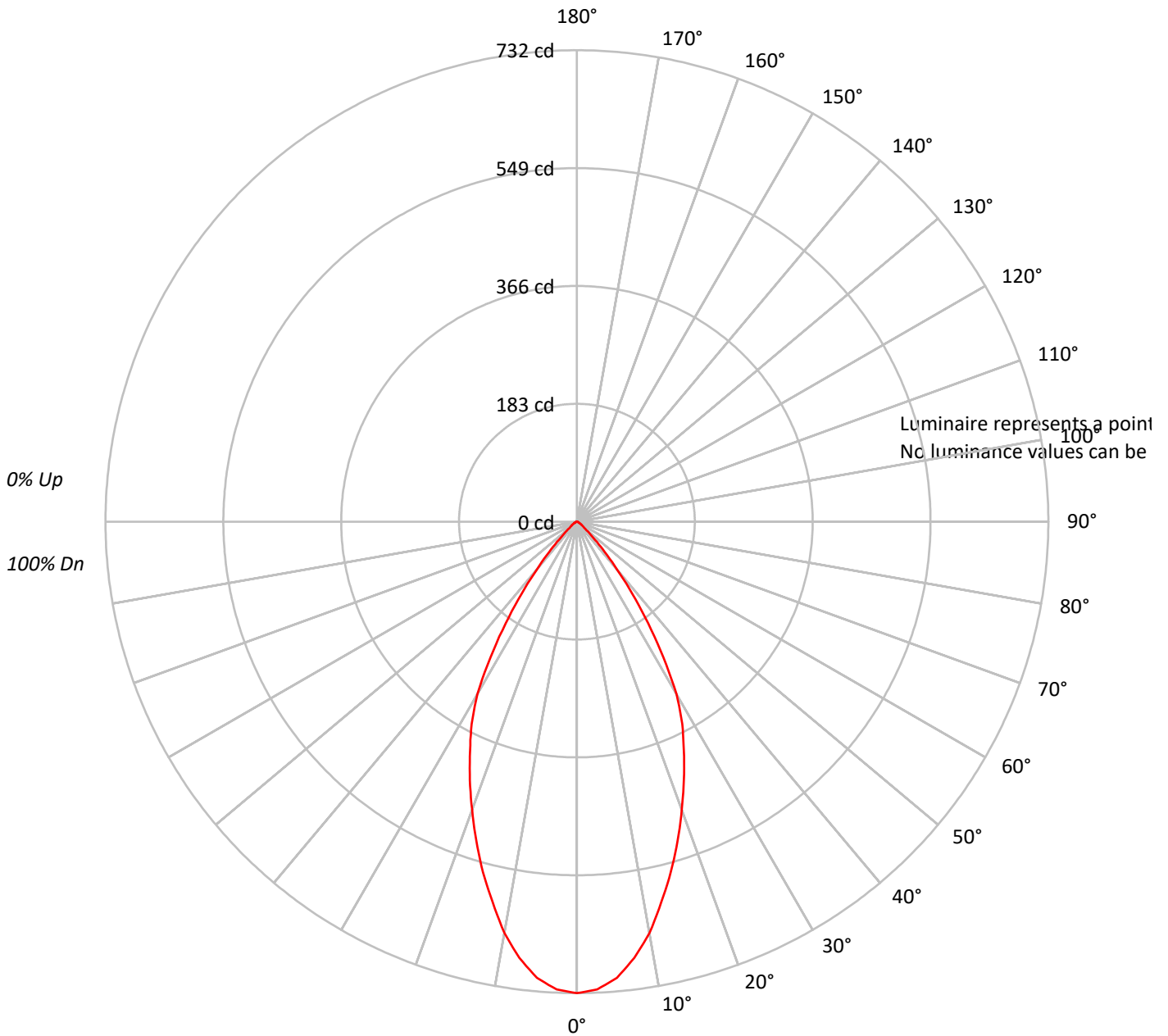
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	106	104	105	103	101	101	99	98	97	96	95	93		
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87		
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81		
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75		
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70		
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65		
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61		
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58		
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54		
10	72	62	57	53	71	62	57	53	61	56	53	60	56	52	60	55	52	51		

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.8	11.5
10°-20°	157.0	27.5
20°-30°	179.8	31.5
30°-40°	120.8	21.2
40°-50°	34.5	6.0
50°-60°	8.5	1.5
60°-70°	3.2	0.6
70°-80°	1.2	0.2
80°-90°	0.1	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°	402.6	70.5
0°-40°	523.5	91.7
0°-60°	566.4	99.2
0°-90°	571.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	571.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	732	
5°	711	66
15°	563	157
25°	392	180
35°	193	121
45°	40	35
55°	9	8
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	732.0
2.5°	726.8
5°	711.2
7.5°	683.1
10°	648.7
12.5°	605.0
15°	563.3
17.5°	519.6
20°	475.8
22.5°	434.2
25°	392.5
27.5°	354.0
30°	309.2
32.5°	249.9
35°	192.6
37.5°	140.6
40°	96.8
42.5°	63.5
45°	39.6
47.5°	23.9
50°	14.6
52.5°	11.5
55°	9.4
57.5°	7.3
60°	5.2
62.5°	4.2
65°	3.1
67.5°	2.1
70°	2.1
72.5°	1.0
75°	1.0
77.5°	1.0
80°	1.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)