

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: P203118

Luminaire Tested: **LSR6B10D010BZ EC6B10209730 6LBWMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203118
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 EC6B10209730 6LBWMW1
Description: PORTFOLIO 6IN CYLINDER
WIDE DISTRIBUTION WITH MATTE WHITE 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: 749.8 lumens
Efficiency: N/A
Efficacy: 75.7 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

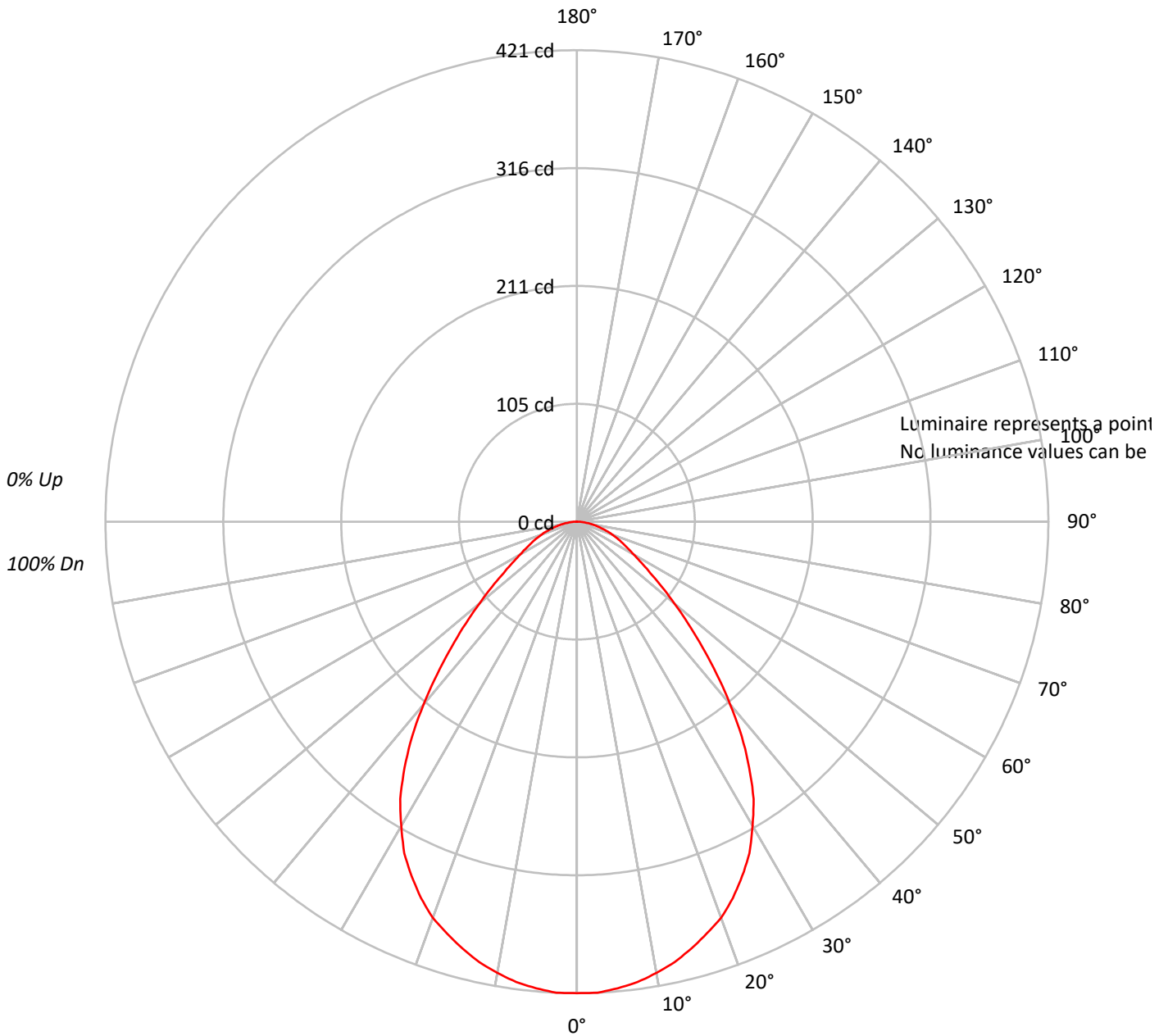
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77		
3	95	86	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68		
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60		
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54		
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49		
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44		
8	67	55	48	42	66	55	47	42	53	47	42	52	46	42	51	46	42	40		
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37		
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34		

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.7	5.3
10°-20°	111.2	14.8
20°-30°	160.2	21.4
30°-40°	166.3	22.2
40°-50°	123.0	16.4
50°-60°	73.5	9.8
60°-70°	44.6	6.0
70°-80°	24.4	3.3
80°-90°	6.8	0.9
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°	311.1	41.5
0°-40°	477.4	63.7
0°-60°	673.9	89.9
0°-90°	749.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	749.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	421	
5°	418	40
15°	395	111
25°	349	160
35°	268	166
45°	158	123
55°	80	73
65°	45	45
75°	23	24
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	421.1
2.5°	421.1
5°	418.3
7.5°	414.7
10°	409.2
12.5°	402.9
15°	394.7
17.5°	385.6
20°	376.5
22.5°	363.8
25°	349.2
27.5°	333.8
30°	313.7
32.5°	293.7
35°	268.3
37.5°	241.9
40°	212.8
42.5°	184.6
45°	158.2
47.5°	134.6
50°	113.7
52.5°	95.5
55°	80.0
57.5°	68.2
60°	58.2
62.5°	50.9
65°	44.6
67.5°	39.1
70°	33.6
72.5°	28.2
75°	22.7
77.5°	18.2
80°	13.6
82.5°	10.0
85°	5.5
87.5°	2.7
90°	0.0



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— 0°-180°







(END OF REPORT)