

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: P202602

Luminaire Tested: **LSR6B10D010BZ EC6B10209050 6LBMWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202602
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 EC6B10209050 6LBMWMH1
Description: PORTFOLIO 6IN CYLINDER
MEDIUM DISTRIBUTION WITH WARM HAZE 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: 726.6 lumens
Efficiency: N/A
Efficacy: 73.4 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

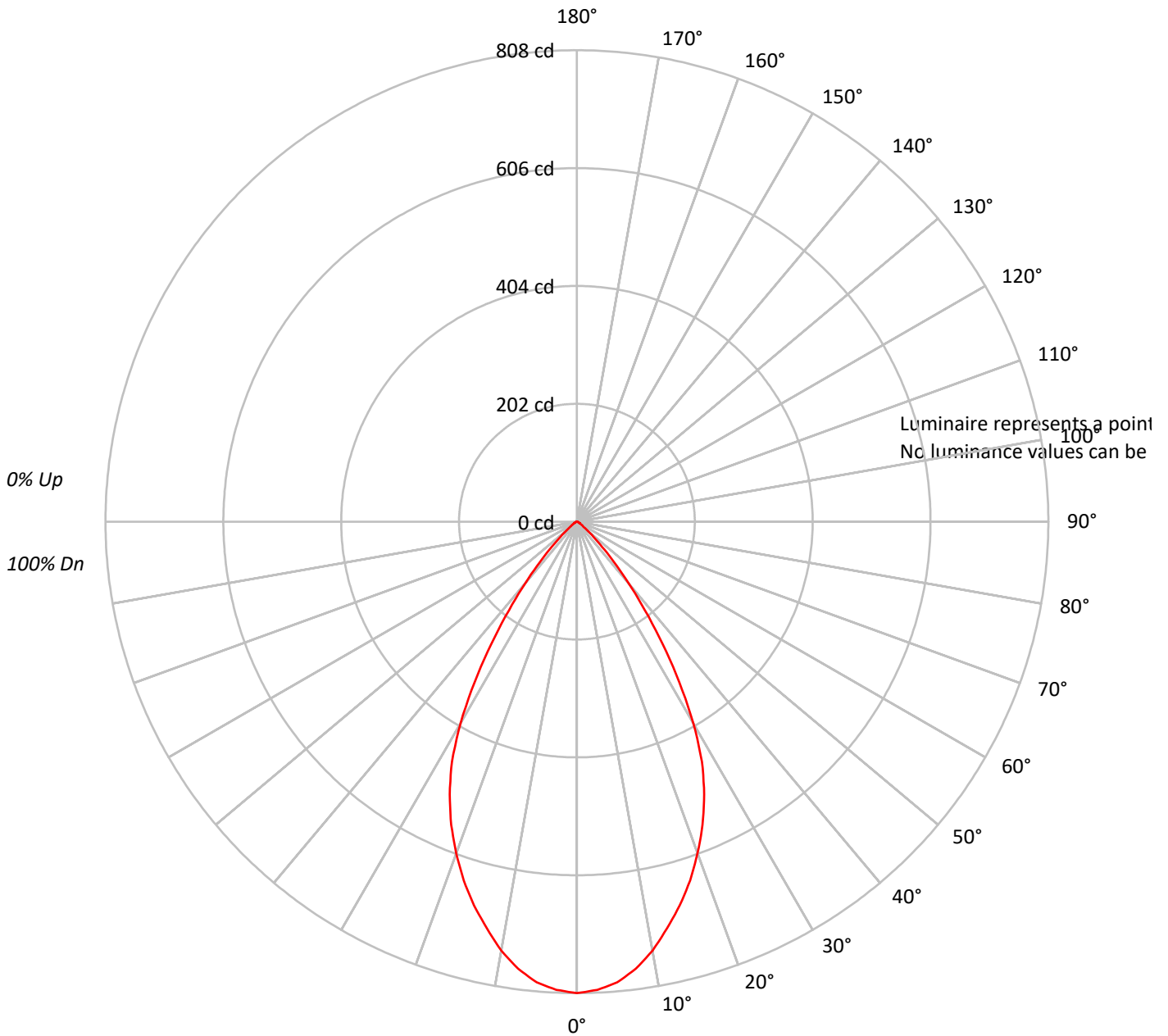
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	50	30	10	50	30	10	50	30	10	0																					
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	62	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°	74.2	10.2
10°-20°	190.4	26.2
20°-30°	233.8	32.2
30°-40°	160.3	22.1
40°-50°	51.5	7.1
50°-60°	10.5	1.4
60°-70°	4.1	0.6
70°-80°	1.5	0.2
80°-90°	0.2	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°	498.4	68.6
0°-40°	658.7	90.7
0°-60°	720.7	99.2
0°-90°	726.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	726.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	808	
5°	793	74
15°	681	190
25°	516	234
35°	256	160
45°	61	52
55°	10	10
65°	4	4
75°	1	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	808.0
2.5°	803.1
5°	792.6
7.5°	772.9
10°	746.4
12.5°	713.7
15°	681.0
17.5°	644.7
20°	604.6
22.5°	562.7
25°	515.9
27.5°	464.1
30°	398.8
32.5°	326.7
35°	255.8
37.5°	191.1
40°	137.4
42.5°	93.7
45°	61.0
47.5°	37.6
50°	22.8
52.5°	14.2
55°	10.5
57.5°	8.0
60°	6.2
62.5°	4.9
65°	4.3
67.5°	3.1
70°	2.5
72.5°	1.8
75°	1.2
77.5°	1.2
80°	0.6
82.5°	0.6
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)