

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: P203222

Luminaire Tested: **LSR6B15D010BZ EC6B10208027 6LBMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203222
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: LSR6B15D010BZ EC6B10208027 6LBMH1
Description: PORTFOLIO 6IN CYLINDER
MEDIUM DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM
WATTAGE D010TR-14.39 W DE010-14.29 W D5LT-14.34 W DMX-14.46 W DL2-15.8 W
DL3-15.28 W DLE-15.432 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1025.5 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

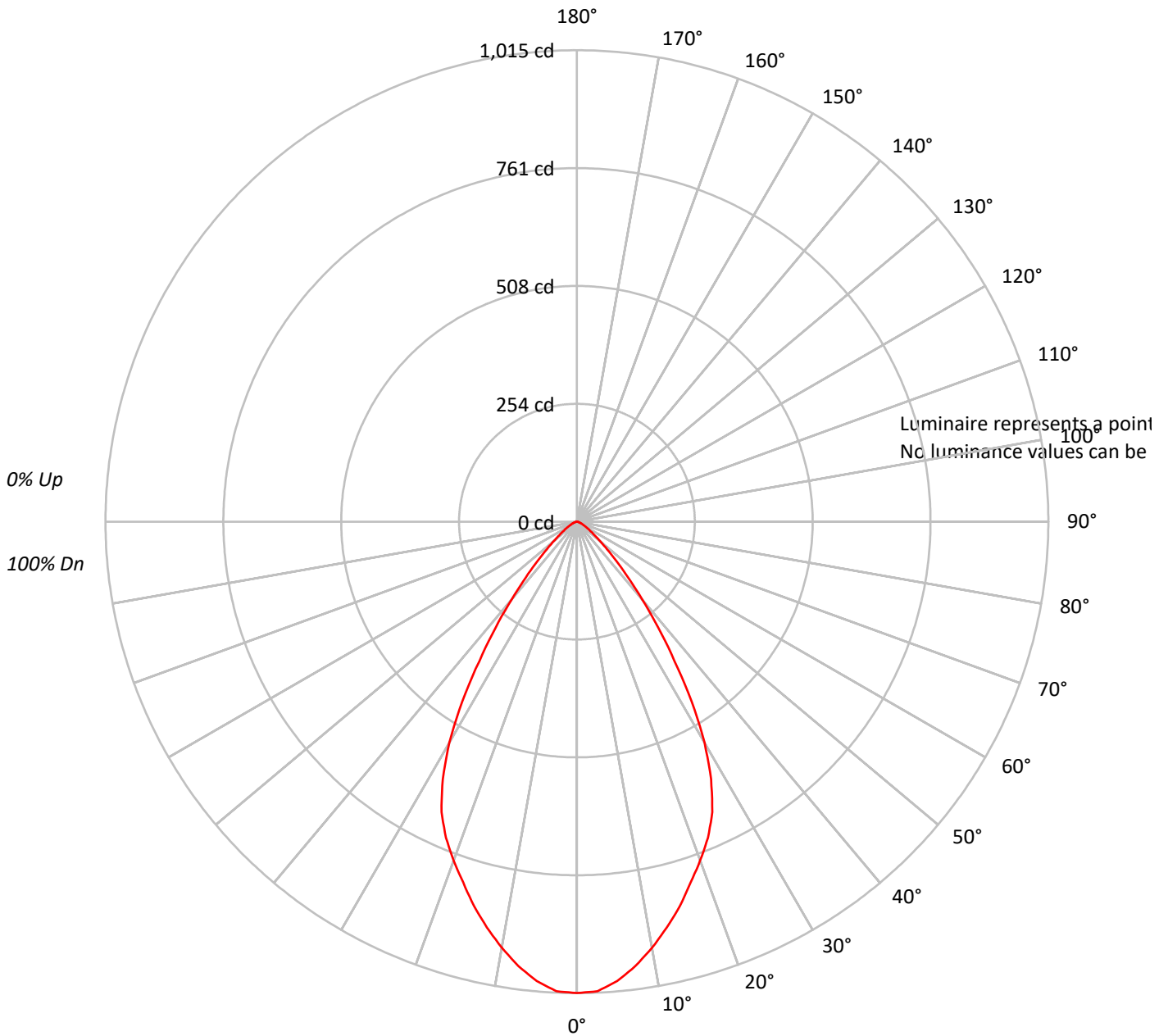
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92						92													
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85						85													
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78						78													
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72						72													
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66						66													
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61						61													
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57						57													
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53						53													
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49						49													
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46						46													

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.8	9.0
10°-20°	240.0	23.4
20°-30°	311.0	30.3
30°-40°	230.9	22.5
40°-50°	97.5	9.5
50°-60°	34.6	3.4
60°-70°	13.4	1.3
70°-80°	4.6	0.5
80°-90°	0.6	0.1
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°	643.8	62.8
0°-40°	874.8	85.3
0°-60°	1006.8	98.2
0°-90°	1025.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1025.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1015	
5°	993	93
15°	857	240
25°	690	311
35°	366	231
45°	120	97
55°	37	35
65°	13	13
75°	4	5
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1014.8
2.5°	1011.9
5°	992.8
7.5°	965.0
10°	931.3
12.5°	894.7
15°	856.6
17.5°	814.2
20°	776.1
22.5°	736.6
25°	689.7
27.5°	625.3
30°	549.1
32.5°	459.8
35°	366.1
37.5°	287.0
40°	218.2
42.5°	162.5
45°	120.1
47.5°	87.9
50°	64.4
52.5°	48.3
55°	36.6
57.5°	27.8
60°	22.0
62.5°	16.1
65°	13.2
67.5°	10.3
70°	7.3
72.5°	5.9
75°	4.4
77.5°	2.9
80°	1.5
82.5°	1.5
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)