

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: P203325

Luminaire Tested: **LSR6B15D010BZ EC6B10208027 6LBMWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203325
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 6LBMWH1
Description: PORTFOLIO 6IN CYLINDER
MEDIUM DISTRIBUTION WITH WHEAT 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: 1107.4 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

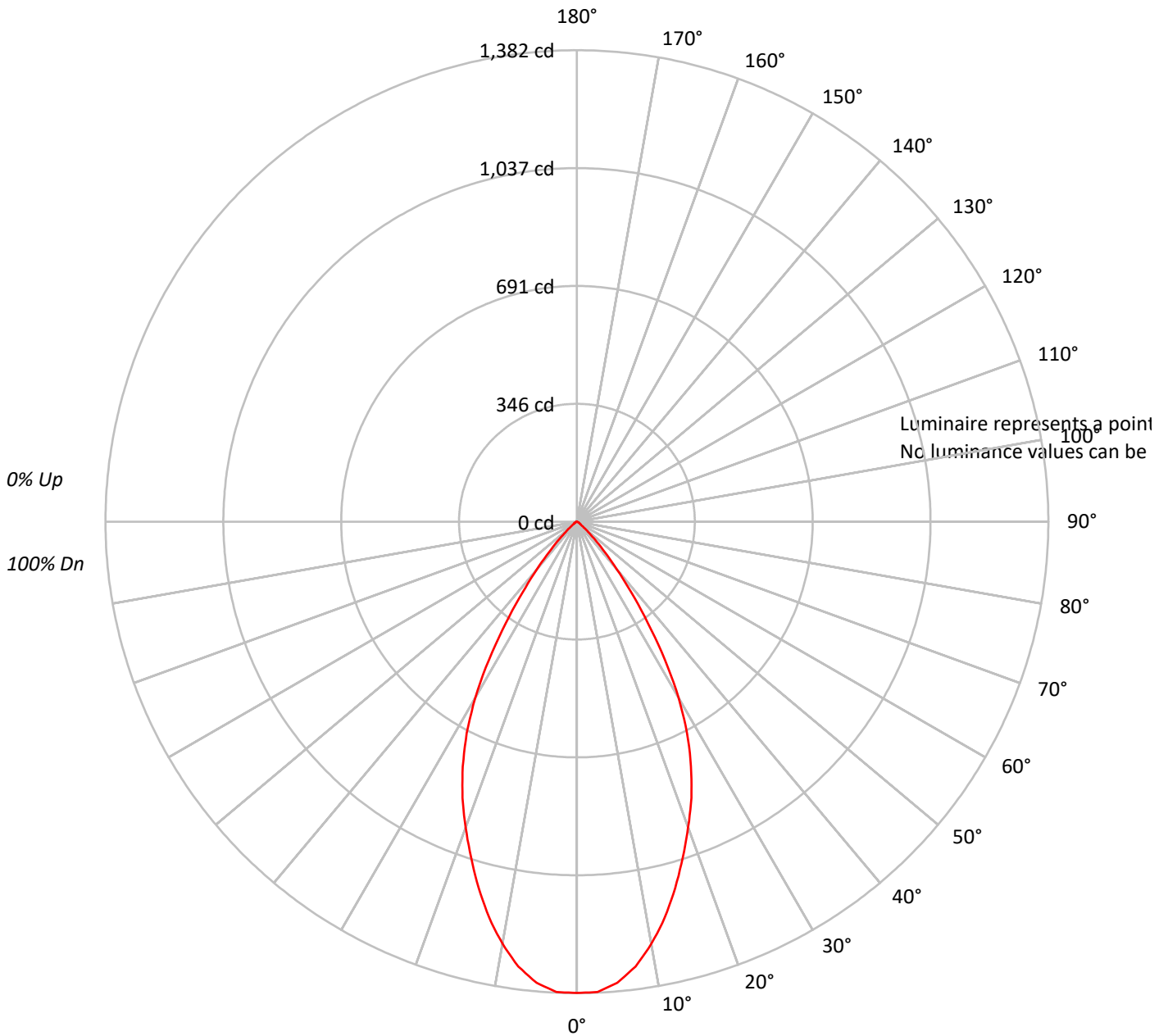
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					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	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94					94			
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	93	91	89	87					87			
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81					81			
4	97	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76					76			
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71					71			
6	88	79	73	69	87	78	73	69	77	72	68	76	71	68	74	70	67	66					66			
7	84	75	69	64	82	74	68	64	73	68	64	71	67	64	70	66	63	62					62			
8	80	70	64	60	78	70	64	60	69	64	60	68	63	60	67	62	59	58					58			
9	76	66	61	57	75	66	60	57	65	60	56	64	59	56	63	59	56	55					55			
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	52					52			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.3	11.4
10°-20°	310.1	28.0
20°-30°	358.7	32.4
30°-40°	229.3	20.7
40°-50°	65.0	5.9
50°-60°	11.6	1.0
60°-70°	4.8	0.4
70°-80°	1.6	0.1
80°-90°	0.0	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°	795.1	71.8
0°-40°	1024.4	92.5
0°-60°	1101.0	99.4
0°-90°	1107.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1107.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1382	
5°	1357	126
15°	1112	310
25°	792	359
35°	362	229
45°	76	65
55°	11	12
65°	5	5
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1381.5
2.5°	1380.0
5°	1356.9
7.5°	1315.3
10°	1256.7
12.5°	1189.0
15°	1112.0
17.5°	1031.9
20°	953.3
22.5°	876.3
25°	791.6
27.5°	699.2
30°	596.0
32.5°	480.5
35°	361.9
37.5°	261.8
40°	181.7
42.5°	120.1
45°	75.5
47.5°	44.7
50°	26.2
52.5°	15.4
55°	10.8
57.5°	9.2
60°	7.7
62.5°	6.2
65°	4.6
67.5°	3.1
70°	3.1
72.5°	1.5
75°	1.5
77.5°	1.5
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)