

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: P205086

Luminaire Tested: **LSR6B15D010BZ EC6B10209050 6LBMLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205086
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 EC6B10209050 6LBMLI1
Description: PORTFOLIO 6IN CYLINDER
MEDIUM DISTRIBUTION WITH 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: 1142.9 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

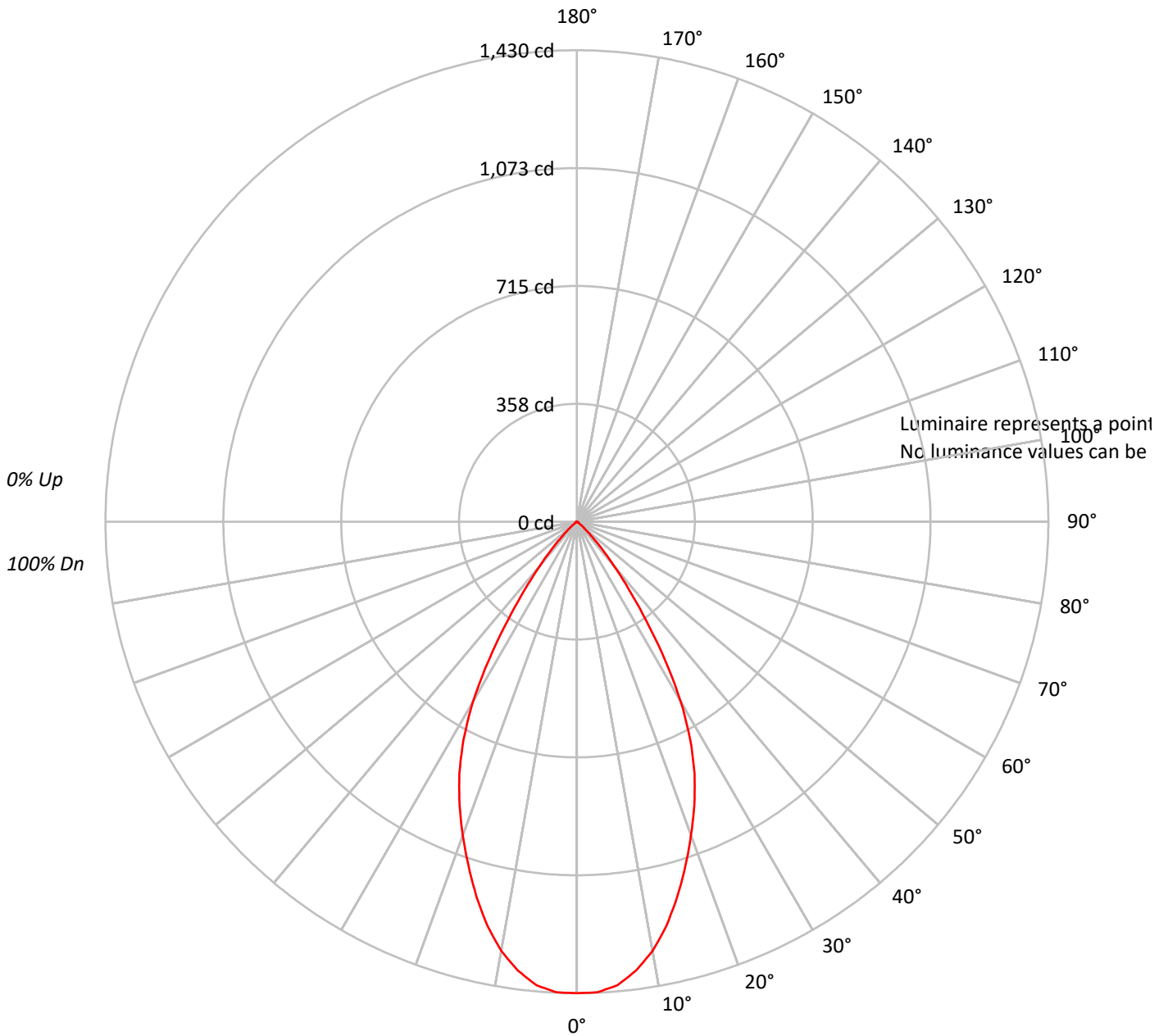
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94																																				
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88																																				
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82																																				
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76																																				
5	93	85	79	75	91	84	79	75	82	78	74	81	77	73	79	76	73	71																																				
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67																																				
7	84	75	69	65	83	75	69	65	73	68	65	72	68	64	71	67	64	63																																				
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59																																				
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																																				
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52																																				

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.8	11.5
10°-20°	328.0	28.7
20°-30°	381.3	33.4
30°-40°	233.5	20.4
40°-50°	58.0	5.1
50°-60°	6.8	0.6
60°-70°	2.5	0.2
70°-80°	1.0	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°	841.1	73.6
0°-40°	1074.6	94.0
0°-60°	1139.4	99.7
0°-90°	1142.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1142.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1430	
5°	1411	132
15°	1177	328
25°	844	381
35°	366	234
45°	64	58
55°	6	7
65°	3	3
75°	2	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1430.3
2.5°	1428.8
5°	1411.3
7.5°	1373.3
10°	1322.1
12.5°	1254.8
15°	1177.3
17.5°	1093.9
20°	1012.0
22.5°	930.1
25°	843.8
27.5°	744.4
30°	630.3
32.5°	497.2
35°	365.6
37.5°	257.4
40°	175.5
42.5°	109.7
45°	64.3
47.5°	36.6
50°	19.0
52.5°	8.8
55°	5.8
57.5°	4.4
60°	4.4
62.5°	2.9
65°	2.9
67.5°	1.5
70°	1.5
72.5°	1.5
75°	1.5
77.5°	0.0
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)