

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: P205188

Luminaire Tested: **LSR6B15D010BZ EC6B10209727 6LBWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205188
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 EC6B10209727 6LBWL1
Description: PORTFOLIO 6IN CYLINDER
WIDE 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: 1057.9 lumens
Efficiency: N/A
Efficacy: 74.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

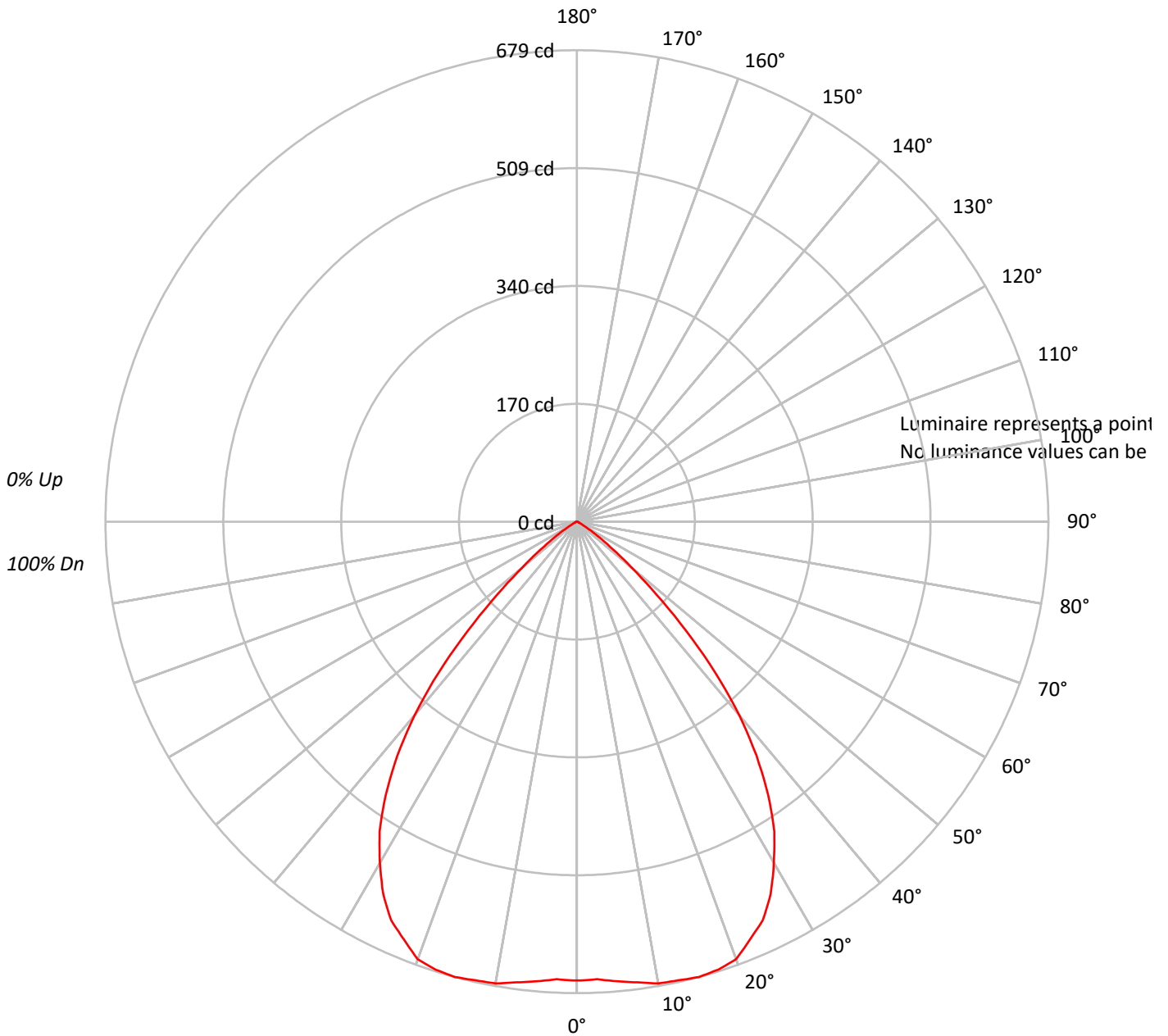
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92																												
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83																												
3	100	92	87	82	97	91	86	81	88	84	80	86	82	79	83	80	77	76																												
4	93	85	78	73	92	84	78	73	81	76	72	79	75	71	77	74	70	69																												
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63																												
6	82	72	65	60	81	71	65	60	70	64	59	68	63	59	67	62	59	57																												
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52																												
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48																												
9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	46	44																												
10	65	54	47	43	64	53	47	42	52	46	42	51	46	42	51	46	42	41																												

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.8	6.0
10°-20°	191.6	18.1
20°-30°	288.9	27.3
30°-40°	295.7	27.9
40°-50°	172.3	16.3
50°-60°	39.6	3.7
60°-70°	4.9	0.5
70°-80°	1.3	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°	544.3	51.4
0°-40°	840.0	79.4
0°-60°	1051.8	99.4
0°-90°	1057.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1057.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	661	
5°	664	64
15°	679	192
25°	633	289
35°	480	296
45°	222	172
55°	38	40
65°	4	5
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	660.9
2.5°	659.7
5°	664.5
7.5°	669.3
10°	675.3
12.5°	676.5
15°	678.9
17.5°	676.5
20°	670.5
22.5°	651.3
25°	633.3
27.5°	604.5
30°	567.4
32.5°	529.0
35°	479.8
37.5°	424.6
40°	363.4
42.5°	295.1
45°	221.9
47.5°	154.7
50°	102.0
52.5°	64.8
55°	38.4
57.5°	20.4
60°	10.8
62.5°	6.0
65°	3.6
67.5°	3.6
70°	2.4
72.5°	1.2
75°	1.2
77.5°	1.2
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)