

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: P204056

Luminaire Tested: **LSR6B15D010BZ EC6B10209050 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204056
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 6LBNMW1
Description: PORTFOLIO 6IN CYLINDER
NARROW DISTRIBUTION WITH MATTE WHITE 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: 921.9 lumens
Efficiency: N/A
Efficacy: 64.5 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

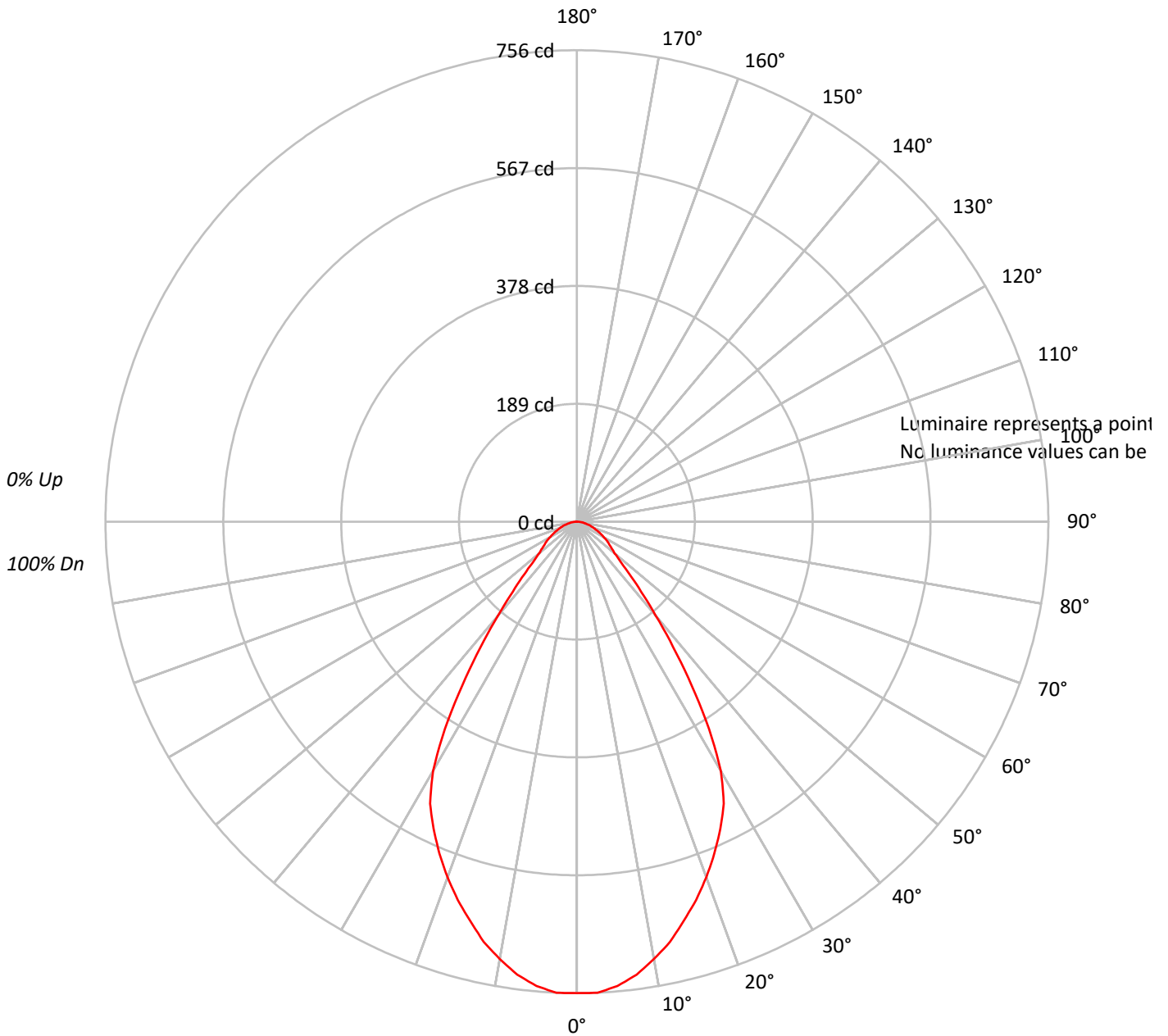
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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									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	100	100	100	100	100	100	100	100	100	100																
	1	112	108	105	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90	90	90	90	90	90	90	90	90	90	90																
	2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81	81	81	81	81	81	81	81	81	81	81																
	3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73	73	73	73	73	73	73	73	73	73	73																
	4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66	66	66	66	66	66	66	66	66	66	66																
	5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61	61	61	61	61	61	61	61	61	61	61																
	6	81	71	64	59	80	70	63	59	68	63	58	67	62	58	66	61	57	56	56	56	56	56	56	56	56	56	56	56																
	7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51	51	51	51	51	51	51	51	51	51	51																
	8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47	47	47	47	47	47	47	47	47	47	47																
	9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44	44	44	44	44	44	44	44	44	44	44																
	10	65	54	47	43	64	54	47	43	53	47	43	52	46	43	51	46	43	41	41	41	41	41	41	41	41	41	41	41																

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.2	7.6
10°-20°	186.1	20.2
20°-30°	248.5	27.0
30°-40°	200.5	21.7
40°-50°	96.1	10.4
50°-60°	56.9	6.2
60°-70°	37.8	4.1
70°-80°	20.3	2.2
80°-90°	5.6	0.6
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°	504.8	54.8
0°-40°	705.2	76.5
0°-60°	858.2	93.1
0°-90°	921.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	921.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	756	
5°	747	70
15°	662	186
25°	544	248
35°	321	200
45°	119	96
55°	63	57
65°	38	38
75°	19	20
85°	4	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	756.1
2.5°	756.1
5°	747.3
7.5°	732.6
10°	712.1
12.5°	690.1
15°	662.3
17.5°	635.9
20°	606.6
22.5°	575.9
25°	543.6
27.5°	509.9
30°	461.6
32.5°	394.2
35°	320.9
37.5°	253.5
40°	196.3
42.5°	152.4
45°	118.7
47.5°	93.8
50°	79.1
52.5°	70.3
55°	63.0
57.5°	57.1
60°	49.8
62.5°	44.0
65°	38.1
67.5°	32.2
70°	27.8
72.5°	23.4
75°	19.0
77.5°	14.7
80°	11.7
82.5°	8.8
85°	4.4
87.5°	1.5
90°	0.0



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— 0°-180°







(END OF REPORT)