

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: P35134

Luminaire Tested: **LSR6B10D010BZ EC6B10209027 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P35134
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR6B10D010BZ EC6B10209027 6LBNMW1
Description: PORTFOLIO 6IN CYLINDER
NARROW DISTRIBUTION WITH MATTE WHITE TRIM
WATTAGE D010TR-10.05 W DE010-10.58 W D5LT-10.2 W DMX-10.6 W DL2-11.8 W
DL3-11.1 W DLE-11.39 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 629.2 lumens
Efficiency: N/A
Efficacy: 64.9 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

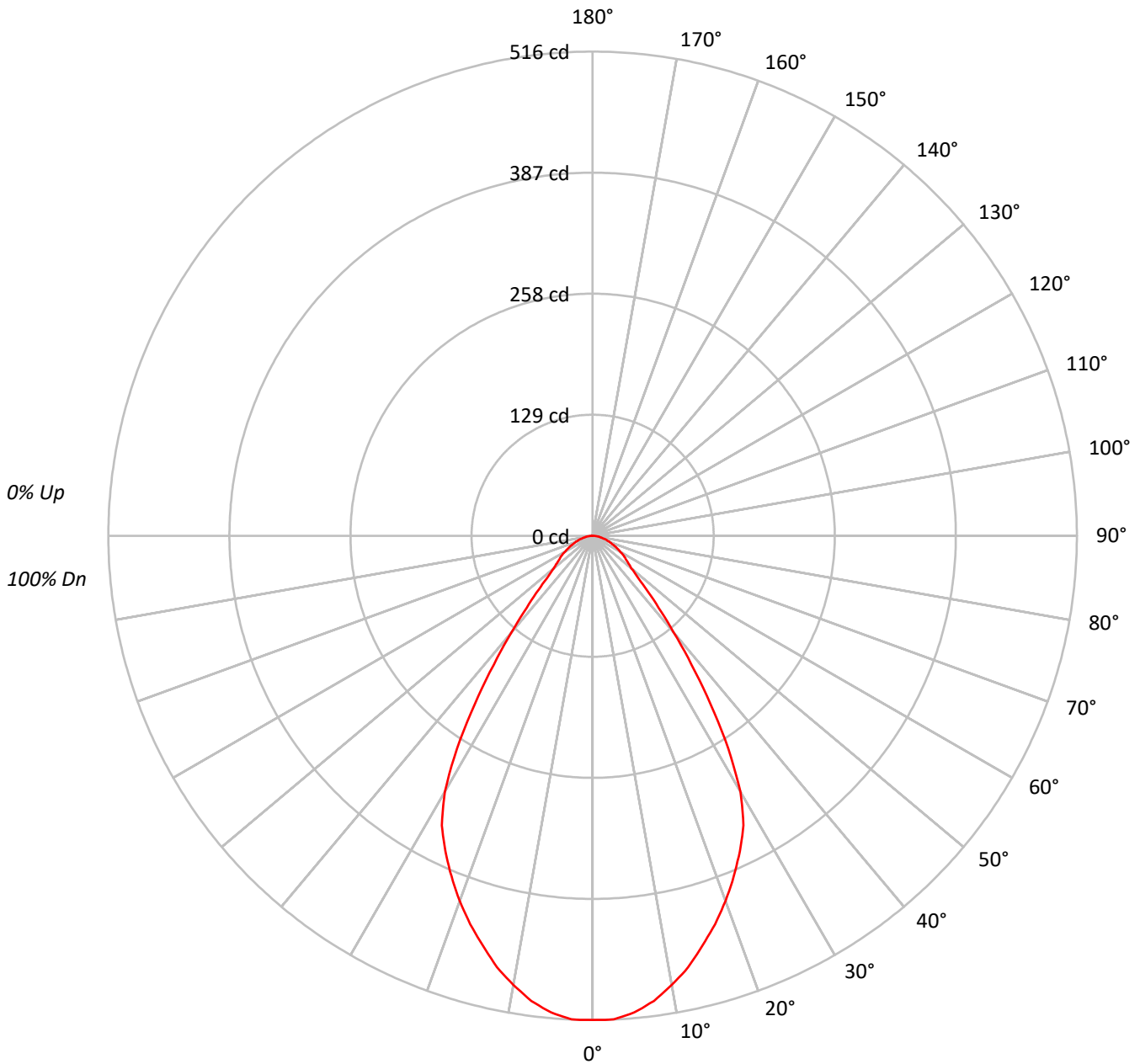
Input Watts (W): 9.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20									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	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	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	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	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	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	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	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	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	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	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	41																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	33664
5°	33400
10°	32196
15°	30529
20°	28743
25°	26706
30°	23730
35°	17442
40°	11412
45°	7473
50°	5481
55°	4891
60°	4436
65°	4014
70°	3624
75°	3277
80°	3006
85°	2246



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.9	7.6
10°-20°	127.0	20.2
20°-30°	169.6	26.9
30°-40°	136.8	21.7
40°-50°	65.6	10.4
50°-60°	38.9	6.2
60°-70°	25.8	4.1
70°-80°	13.8	2.2
80°-90°	3.8	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°	344.5	54.8
0°-40°	481.3	76.5
0°-60°	585.7	93.1
0°-90°	629.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	629.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	516	
5°	510	48
15°	452	127
25°	371	170
35°	219	137
45°	81	66
55°	43	39
65°	26	26
75°	13	14
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	516
2.5°	516
5°	510
7.5°	500
10°	486
12.5°	471
15°	452
17.5°	434
20°	414
22.5°	393
25°	371
27.5°	348
30°	315
32.5°	269
35°	219
37.5°	173
40°	134
42.5°	104
45°	81
47.5°	64
50°	54
52.5°	48
55°	43
57.5°	39
60°	34
62.5°	30
65°	26
67.5°	22
70°	19
72.5°	16
75°	13
77.5°	10
80°	8
82.5°	6
85°	3
87.5°	1
90°	0



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— 0°-180°







(END OF REPORT)