

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: P205373

Luminaire Tested: **LSR6B10D010BZ EC6B10209024 6LBSLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205373
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: LSR6B10D010BZ EC6B10209024 6LBSL11
Description: PORTFOLIO 6IN CYLINDER
SHALLOW DISTRIBUTION WITH SPECULAR CLEAR 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: 827.8 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

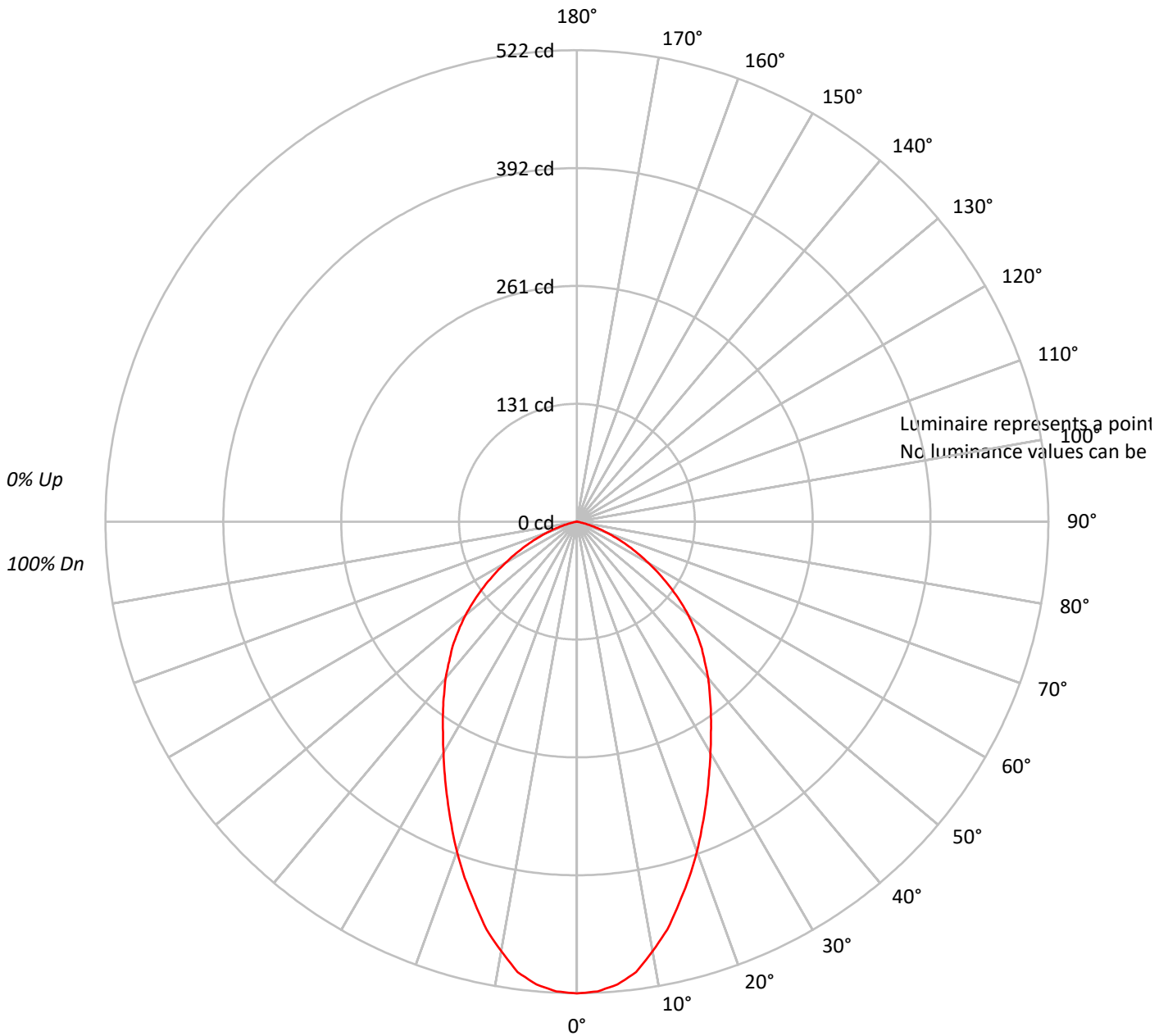
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	100	100	100		
	1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89	89	89	89	89	89		
	2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77	77	77	77	77	77		
	3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68	68	68	68	68	68		
	4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60	60	60	60	60	60		
	5	82	71	63	57	80	70	62	57	67	61	56	66	60	55	64	59	55	53	53	53	53	53	53		
	6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47	47	47	47	47	47		
	7	71	59	51	46	70	58	51	45	57	50	45	55	49	45	54	49	45	43	43	43	43	43	43		
	8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39	39	39	39	39	39		
	9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36	36	36	36	36	36		
	10	59	47	40	35	58	46	39	35	45	39	35	45	39	34	44	38	34	33	33	33	33	33	33		

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.1	5.8
10°-20°	122.5	14.8
20°-30°	156.3	18.9
30°-40°	162.0	19.6
40°-50°	149.3	18.0
50°-60°	112.3	13.6
60°-70°	60.6	7.3
70°-80°	16.3	2.0
80°-90°	0.2	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°	326.9	39.5
0°-40°	489.0	59.1
0°-60°	750.6	90.7
0°-90°	827.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	827.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	522	
5°	514	48
15°	437	123
25°	339	156
35°	258	162
45°	194	149
55°	126	112
65°	61	61
75°	14	16
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	522.4
2.5°	520.6
5°	514.4
7.5°	503.0
10°	482.8
12.5°	462.6
15°	437.1
17.5°	413.3
20°	388.7
22.5°	363.2
25°	339.4
27.5°	316.6
30°	295.5
32.5°	276.1
35°	258.5
37.5°	241.8
40°	226.0
42.5°	209.3
45°	194.3
47.5°	177.6
50°	160.9
52.5°	143.3
55°	125.8
57.5°	108.2
60°	91.5
62.5°	75.6
65°	60.7
67.5°	46.6
70°	34.3
72.5°	23.7
75°	14.1
77.5°	6.2
80°	1.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)