

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: P202719

Luminaire Tested: **LSR6B15D010BZ EC6B10209730 6LBWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202719
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 EC6B10209730 6LBWH1
Description: PORTFOLIO 6IN CYLINDER
WIDE DISTRIBUTION WITH SEMI-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: 967.8 lumens
Efficiency: N/A
Efficacy: 67.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

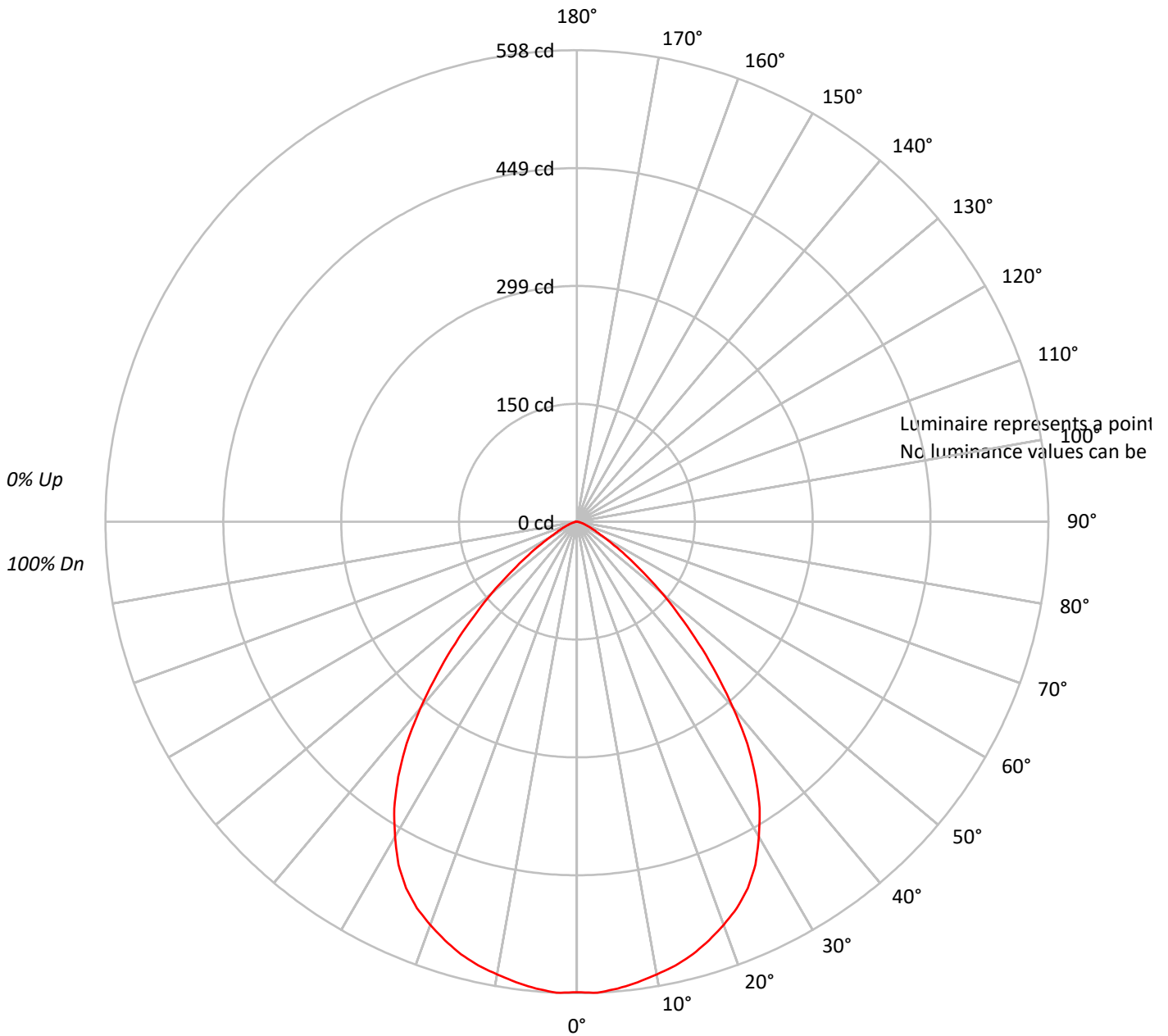
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	100	100	100	100	100	100	100	100	100																	
	1	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91	91	91	91	91	91	91	91	91	91	91																	
	2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81	81	81	81	81	81	81	81	81	81	81																	
	3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73	73	73	73	73	73	73	73	73	73	73																	
	4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65	65	65	65	65	65	65	65	65	65	65																	
	5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59	59	59	59	59	59	59	59	59	59	59																	
	6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53	53	53	53	53	53	53	53	53	53	53																	
	7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49	49	49	49	49	49	49	49	49	49	49																	
	8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44	44	44	44	44	44	44	44	44	44	44																	
	9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41	41	41	41	41	41	41	41	41	41	41																	
	10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38	38	38	38	38	38	38	38	38	38	38																	

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.4	5.8
10°-20°	160.0	16.5
20°-30°	234.5	24.2
30°-40°	244.1	25.2
40°-50°	168.9	17.5
50°-60°	73.5	7.6
60°-70°	22.5	2.3
70°-80°	6.8	0.7
80°-90°	1.0	0.1
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°	450.9	46.6
0°-40°	695.0	71.8
0°-60°	937.4	96.9
0°-90°	967.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	967.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	597	
5°	594	56
15°	568	160
25°	513	235
35°	395	244
45°	218	169
55°	79	74
65°	21	23
75°	6	7
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	596.9
2.5°	598.1
5°	594.4
7.5°	589.4
10°	583.1
12.5°	576.8
15°	568.1
17.5°	556.8
20°	544.2
22.5°	530.4
25°	512.9
27.5°	490.3
30°	461.5
32.5°	431.4
35°	395.0
37.5°	354.9
40°	308.5
42.5°	262.1
45°	218.2
47.5°	176.8
50°	140.4
52.5°	106.6
55°	79.0
57.5°	56.4
60°	38.9
62.5°	28.8
65°	21.3
67.5°	16.3
70°	11.3
72.5°	8.8
75°	6.3
77.5°	3.8
80°	2.5
82.5°	1.3
85°	1.3
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)