

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: P202712

Luminaire Tested: **LSR6B15D010BZ EC6B10209024 6LBWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202712
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 EC6B10209024 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: 937.3 lumens
Efficiency: N/A
Efficacy: 65.5 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

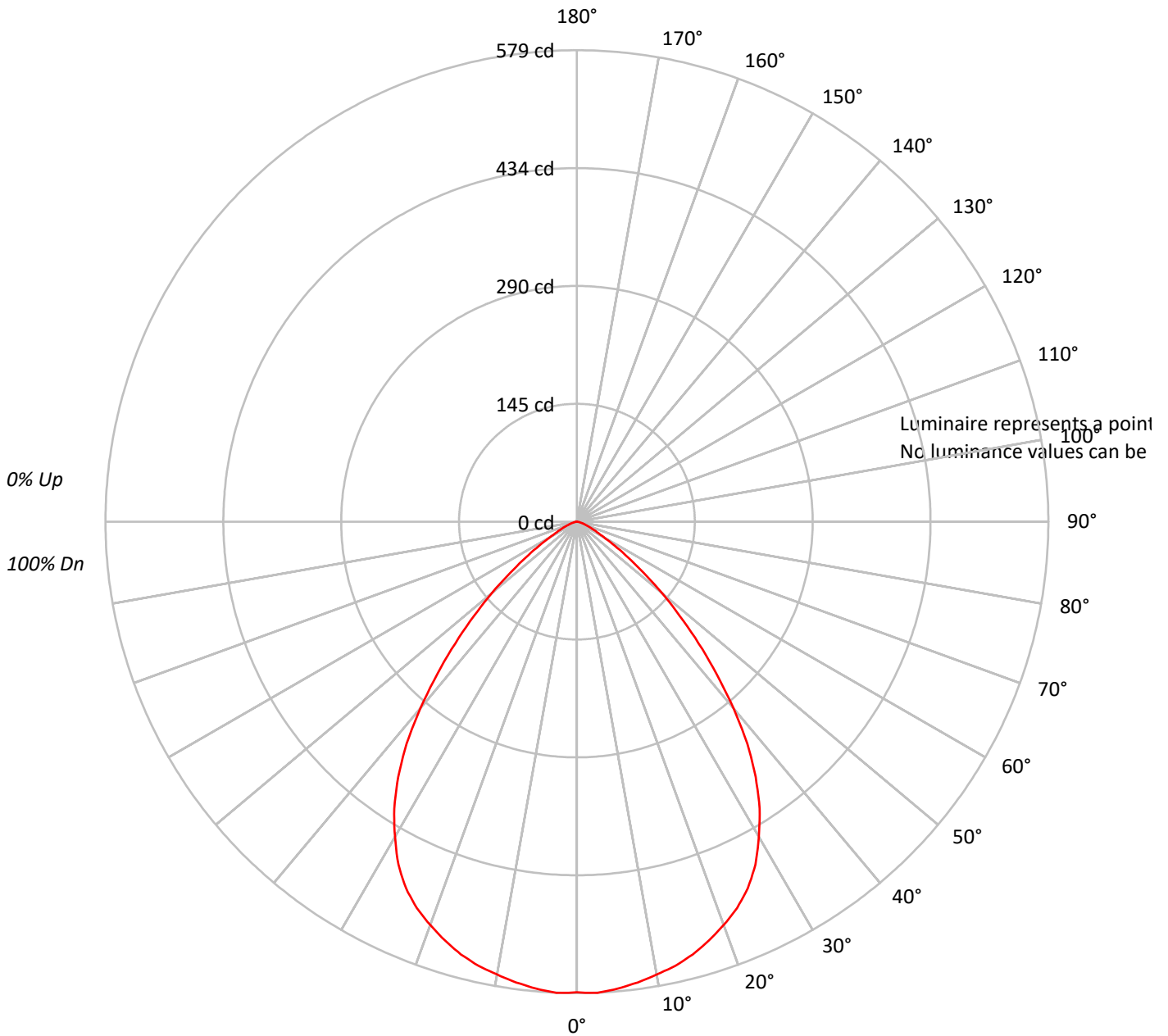
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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									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	0										
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100							100												
1	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91							91												
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81							81												
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73							73												
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65							65												
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59							59												
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53							53												
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49							49												
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44							44												
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41							41												
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38							38												

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.6	5.8
10°-20°	154.9	16.5
20°-30°	227.2	24.2
30°-40°	236.4	25.2
40°-50°	163.6	17.5
50°-60°	71.2	7.6
60°-70°	21.8	2.3
70°-80°	6.5	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°	436.7	46.6
0°-40°	673.2	71.8
0°-60°	907.9	96.9
0°-90°	937.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	937.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	578	
5°	576	55
15°	550	155
25°	497	227
35°	383	236
45°	211	164
55°	76	71
65°	21	22
75°	6	7
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	578.1
2.5°	579.3
5°	575.7
7.5°	570.8
10°	564.8
12.5°	558.7
15°	550.2
17.5°	539.3
20°	527.1
22.5°	513.8
25°	496.8
27.5°	474.9
30°	447.0
32.5°	417.8
35°	382.6
37.5°	343.7
40°	298.8
42.5°	253.8
45°	211.3
47.5°	171.3
50°	136.0
52.5°	103.2
55°	76.5
57.5°	54.7
60°	37.7
62.5°	27.9
65°	20.6
67.5°	15.8
70°	10.9
72.5°	8.5
75°	6.1
77.5°	3.6
80°	2.4
82.5°	1.2
85°	1.2
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)