

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: P205471

Luminaire Tested: **LSR6B10D010BZ EC6B10208027 6LBMGPH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205471
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 EC6B10208027 6LBMGPH1
Description: PORTFOLIO 6IN CYLINDER
MEDIUM DISTRIBUTION WITH GRAPHITE HAZE 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: 567.3 lumens
Efficiency: N/A
Efficacy: 57.3 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.91
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

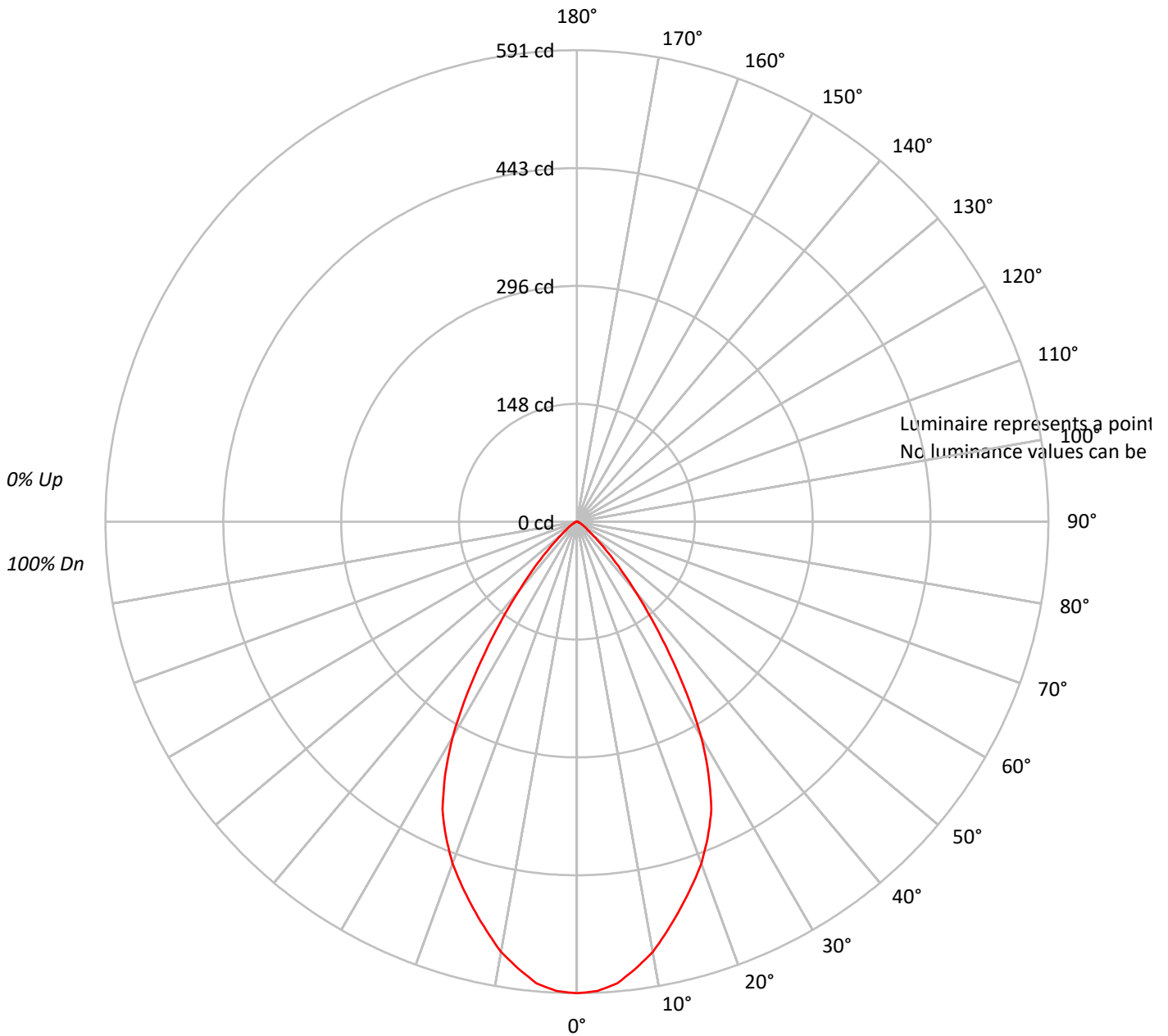
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86
3	102	95	90	85	100	93	89	85	91	87	83	88	85	82	86	83	81	79
4	96	88	82	78	94	87	82	77	85	80	77	83	79	76	81	78	75	73
5	91	82	76	72	89	81	76	71	79	74	71	78	73	70	76	72	69	68
6	86	77	71	66	85	76	70	66	74	69	65	73	68	65	72	68	64	63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59
8	77	68	61	57	76	67	61	57	66	60	57	65	60	56	64	59	56	55
9	74	64	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51
10	70	60	54	50	69	59	54	50	59	53	50	58	53	49	57	53	49	48

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.3	9.6
10°-20°	140.9	24.8
20°-30°	179.6	31.7
30°-40°	126.9	22.4
40°-50°	46.3	8.2
50°-60°	12.8	2.3
60°-70°	4.6	0.8
70°-80°	1.6	0.3
80°-90°	0.1	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°	374.8	66.1
0°-40°	501.7	88.4
0°-60°	560.8	98.9
0°-90°	567.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	567.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	591	
5°	581	54
15°	502	141
25°	399	180
35°	202	127
45°	56	46
55°	14	13
65°	5	5
75°	1	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	591.2
2.5°	588.9
5°	580.9
7.5°	564.9
10°	547.7
12.5°	524.8
15°	501.8
17.5°	478.9
20°	456.0
22.5°	428.5
25°	398.7
27.5°	357.5
30°	311.6
32.5°	256.6
35°	201.7
37.5°	153.5
40°	112.3
42.5°	81.3
45°	56.1
47.5°	37.8
50°	25.2
52.5°	17.2
55°	13.7
57.5°	10.3
60°	8.0
62.5°	5.7
65°	4.6
67.5°	3.4
70°	2.3
72.5°	2.3
75°	1.1
77.5°	1.1
80°	1.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)