

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: P205174

Luminaire Tested: **LSR6B10D010BZ EC6B10209040 6LBWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P205174
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 EC6B10209040 6LBWLI1
Description: PORTFOLIO 6IN CYLINDER
WIDE 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: 931.9 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

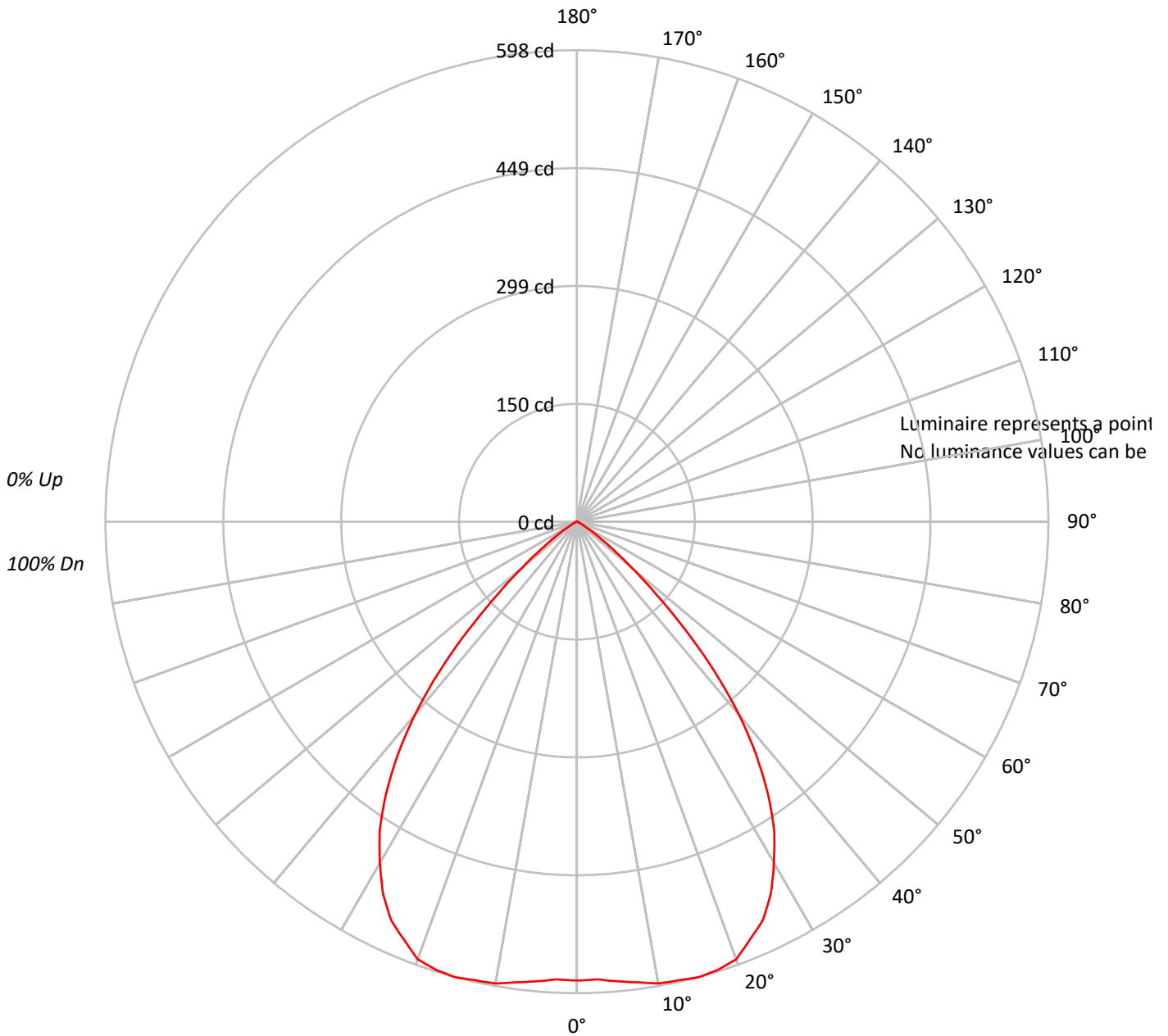
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92						92													
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83						83													
3	100	92	87	82	97	91	86	81	88	84	80	86	82	79	83	80	77	76						76													
4	93	85	78	73	92	84	78	73	81	76	72	79	75	71	77	74	70	69						69													
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63						63													
6	82	72	65	60	81	71	65	60	70	64	59	68	63	59	67	62	59	57						57													
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52						52													
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48						48													
9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	45	44						44													
10	65	54	47	43	64	53	47	42	52	46	42	51	46	42	51	46	42	41						41													

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.2	6.0
10°-20°	168.8	18.1
20°-30°	254.5	27.3
30°-40°	260.4	27.9
40°-50°	151.7	16.3
50°-60°	34.9	3.7
60°-70°	4.3	0.5
70°-80°	1.1	0.1
80°-90°	0.0	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°	479.4	51.4
0°-40°	739.8	79.4
0°-60°	926.5	99.4
0°-90°	931.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	931.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	582	
5°	585	56
15°	598	169
25°	558	254
35°	423	260
45°	196	152
55°	34	35
65°	3	4
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	582.1
2.5°	581.1
5°	585.3
7.5°	589.5
10°	594.8
12.5°	595.9
15°	598.0
17.5°	595.9
20°	590.6
22.5°	573.7
25°	557.8
27.5°	532.5
30°	499.7
32.5°	465.9
35°	422.6
37.5°	374.0
40°	320.1
42.5°	259.9
45°	195.5
47.5°	136.3
50°	89.8
52.5°	57.1
55°	33.8
57.5°	18.0
60°	9.5
62.5°	5.3
65°	3.2
67.5°	3.2
70°	2.1
72.5°	1.1
75°	1.1
77.5°	1.1
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)