

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: P202598

Luminaire Tested: **LSR6B10D010BZ EC6B10209027 6LBMWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202598
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 EC6B10209027 6LBMWMH1
Description: PORTFOLIO 6IN CYLINDER
MEDIUM DISTRIBUTION WITH WARM 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: 684.8 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.89
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

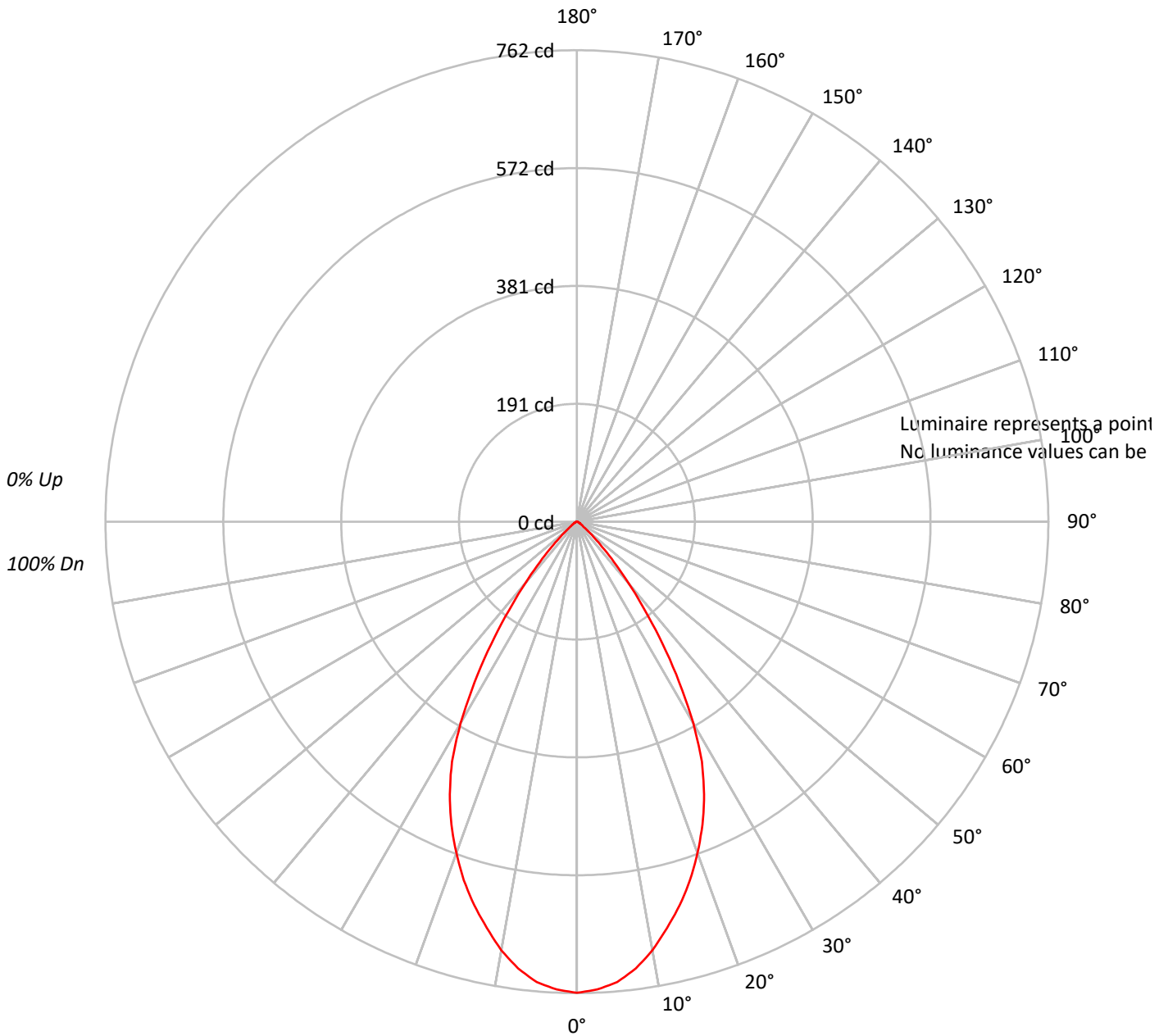
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																																				
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86																																				
3	102	95	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																																				
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74																																				
5	92	83	77	73	90	82	77	73	80	76	72	79	75	71	77	74	71	69																																				
6	87	78	72	67	85	77	71	67	76	71	67	74	70	66	73	69	66	64																																				
7	83	73	67	63	81	72	67	63	71	66	62	70	65	62	69	65	61	60																																				
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	58	56																																				
9	75	65	59	55	73	64	59	55	63	58	54	62	58	54	62	57	54	53																																				
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	50																																				

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.9	10.2
10°-20°	179.4	26.2
20°-30°	220.4	32.2
30°-40°	151.1	22.1
40°-50°	48.6	7.1
50°-60°	9.9	1.4
60°-70°	3.9	0.6
70°-80°	1.5	0.2
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°	469.7	68.6
0°-40°	620.8	90.7
0°-60°	679.2	99.2
0°-90°	684.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	684.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	762	
5°	747	70
15°	642	179
25°	486	220
35°	241	151
45°	58	49
55°	10	10
65°	4	4
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	761.5
2.5°	756.8
5°	747.0
7.5°	728.4
10°	703.4
12.5°	672.6
15°	641.8
17.5°	607.6
20°	569.8
22.5°	530.3
25°	486.2
27.5°	437.4
30°	375.8
32.5°	307.8
35°	241.1
37.5°	180.1
40°	129.5
42.5°	88.3
45°	57.5
47.5°	35.4
50°	21.5
52.5°	13.4
55°	9.9
57.5°	7.6
60°	5.8
62.5°	4.6
65°	4.1
67.5°	2.9
70°	2.3
72.5°	1.7
75°	1.2
77.5°	1.2
80°	0.6
82.5°	0.6
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)