

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: P204042

Luminaire Tested: **LSR6B10D010BZ EC6B10209040 6LBNMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204042
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 6LBNMW1
Description: PORTFOLIO 6IN CYLINDER
NARROW DISTRIBUTION WITH MATTE WHITE 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: 665.7 lumens
Efficiency: N/A
Efficacy: 67.2 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

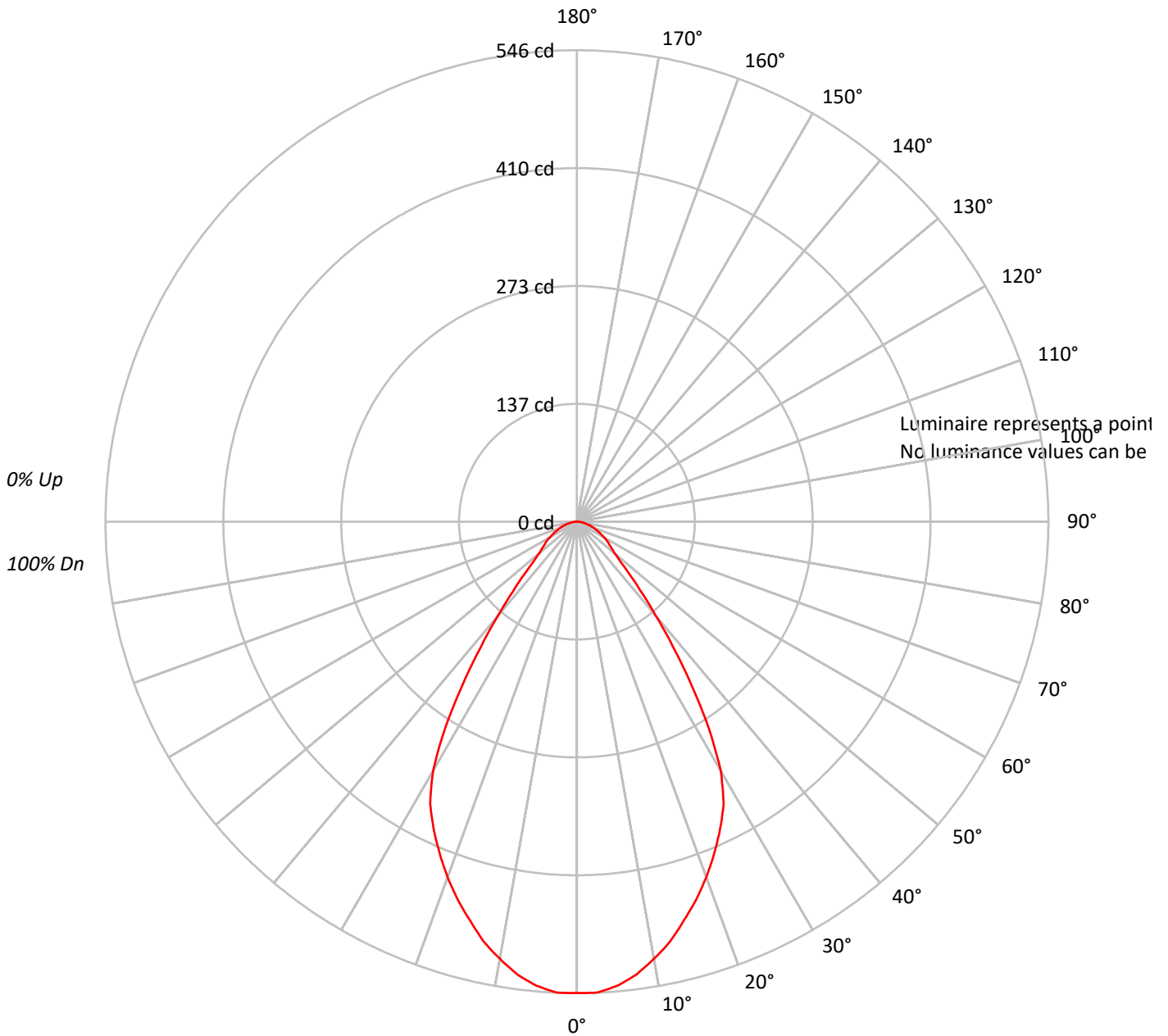
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90																																				
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81																																				
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73																																				
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66																																				
5	87	77	70	64	85	76	69	64	74	68	64	72	67	63	70	66	62	61																																				
6	81	71	64	59	80	70	63	59	68	63	58	67	62	58	66	61	57	56																																				
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51																																				
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47																																				
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44																																				
10	65	54	47	43	64	54	47	43	53	47	43	52	46	43	51	46	43	41																																				

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.7	7.6
10°-20°	134.4	20.2
20°-30°	179.4	26.9
30°-40°	144.7	21.7
40°-50°	69.4	10.4
50°-60°	41.1	6.2
60°-70°	27.3	4.1
70°-80°	14.7	2.2
80°-90°	4.0	0.6
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°	364.4	54.7
0°-40°	509.1	76.5
0°-60°	619.6	93.1
0°-90°	665.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	665.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	546	
5°	540	51
15°	478	134
25°	392	179
35°	232	145
45°	86	69
55°	46	41
65°	28	27
75°	14	15
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	545.9
2.5°	545.9
5°	539.5
7.5°	528.9
10°	514.1
12.5°	498.3
15°	478.2
17.5°	459.1
20°	438.0
22.5°	415.7
25°	392.5
27.5°	368.1
30°	333.2
32.5°	284.6
35°	231.7
37.5°	183.0
40°	141.8
42.5°	110.0
45°	85.7
47.5°	67.7
50°	57.1
52.5°	50.8
55°	45.5
57.5°	41.3
60°	36.0
62.5°	31.7
65°	27.5
67.5°	23.3
70°	20.1
72.5°	16.9
75°	13.8
77.5°	10.6
80°	8.5
82.5°	6.3
85°	3.2
87.5°	1.1
90°	0.0



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— 0°-180°







(END OF REPORT)