

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: P204570

Luminaire Tested: **LSR6B15D010BZ EC6B10209035 6LBSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P204570
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 EC6B10209035 6LBSMW1
Description: PORTFOLIO 6IN CYLINDER
SHALLOW DISTRIBUTION WITH MATTE WHITE 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: 1425.4 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

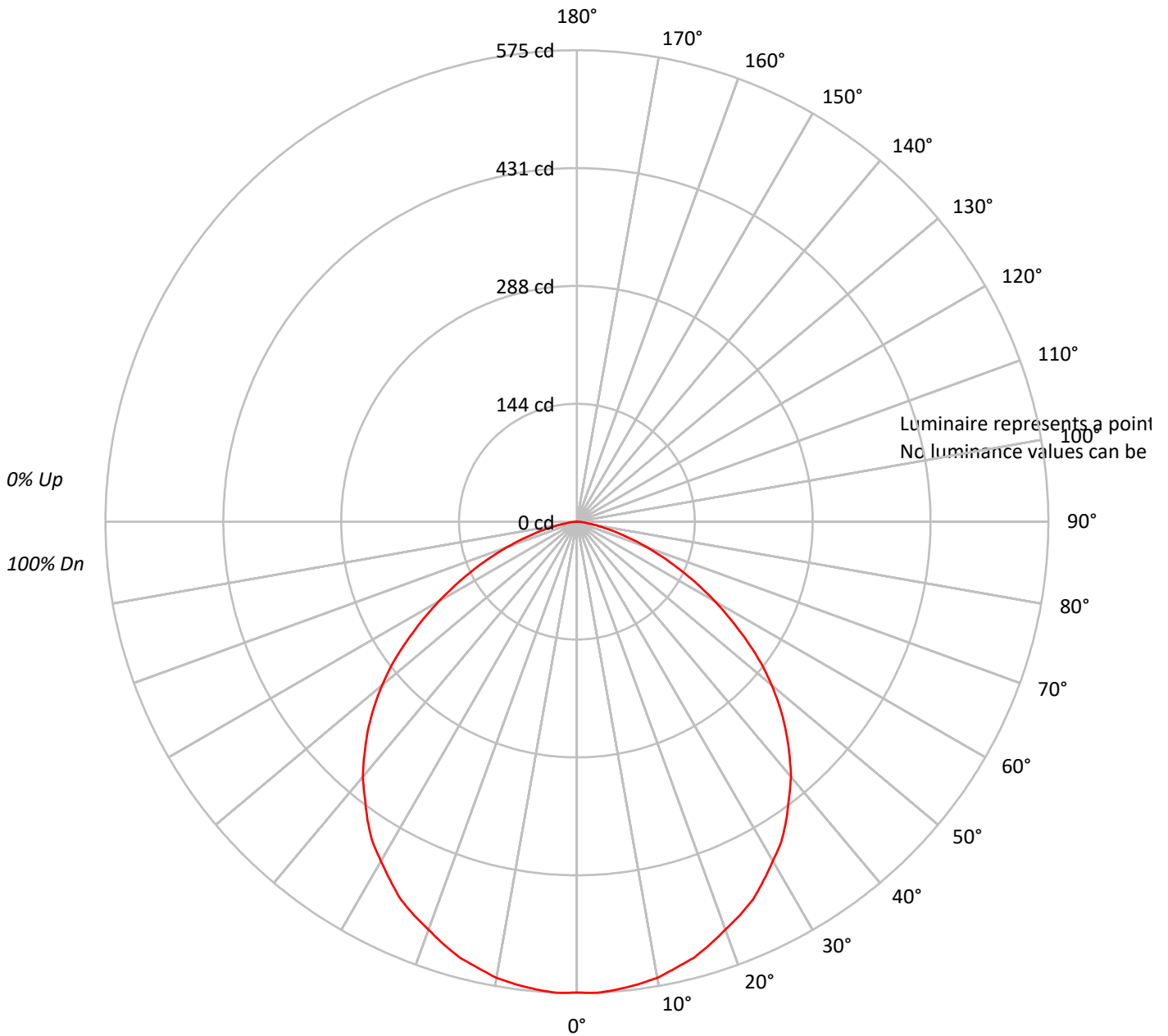
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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									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	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86																																				
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74																																				
3	93	83	75	69	90	81	74	69	78	72	67	76	70	66	73	69	65	63																																				
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54																																				
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	49	47																																				
6	73	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42																																				
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	43	39	37																																				
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33																																				
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30																																				
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27																																				

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.4	3.8
10°-20°	155.1	10.9
20°-30°	233.6	16.4
30°-40°	278.0	19.5
40°-50°	277.4	19.5
50°-60°	225.7	15.8
60°-70°	138.8	9.7
70°-80°	53.8	3.8
80°-90°	8.6	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°	443.1	31.1
0°-40°	721.1	50.6
0°-60°	1224.2	85.9
0°-90°	1425.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1425.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	574	
5°	573	54
15°	551	155
25°	508	234
35°	445	278
45°	361	277
55°	252	226
65°	139	139
75°	49	54
85°	7	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	574.3
2.5°	575.2
5°	572.6
7.5°	569.2
10°	565.0
12.5°	557.4
15°	550.7
17.5°	540.5
20°	529.5
22.5°	519.4
25°	508.4
27.5°	493.2
30°	478.0
32.5°	463.7
35°	445.1
37.5°	424.8
40°	406.2
42.5°	383.4
45°	360.6
47.5°	336.1
50°	310.0
52.5°	282.9
55°	252.5
57.5°	223.0
60°	194.3
62.5°	166.4
65°	139.4
67.5°	114.0
70°	90.4
72.5°	68.4
75°	49.0
77.5°	32.1
80°	19.4
82.5°	11.8
85°	6.8
87.5°	3.4
90°	0.0



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— 0°-180°







(END OF REPORT)