

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: P203128

Luminaire Tested: **LSR6B15D010BZ EC6B10209040 6LBWMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203128
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 EC6B10209040 6LBWMW1
Description: PORTFOLIO 6IN CYLINDER
WIDE 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: 1202.8 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.15
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

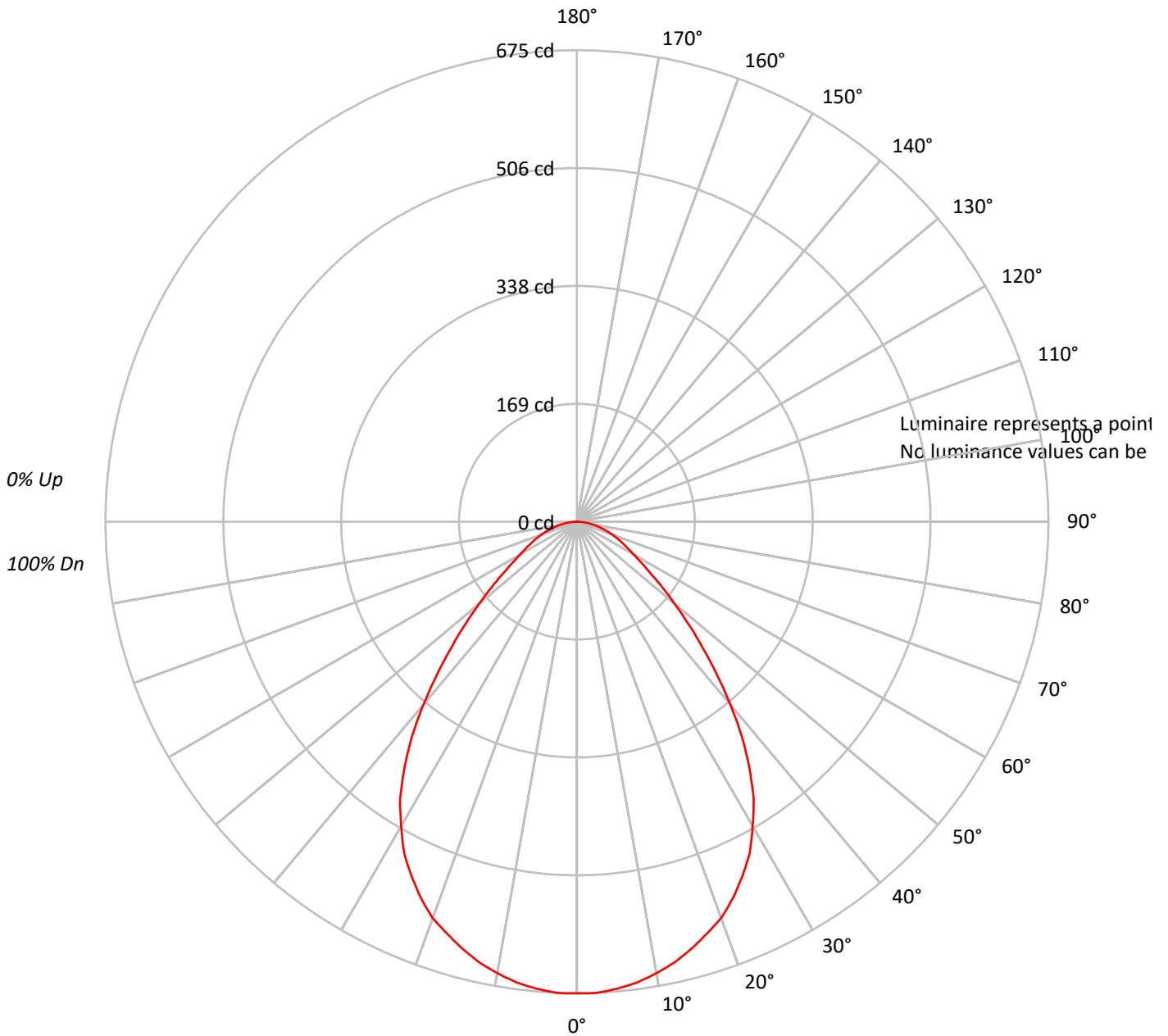
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88																																				
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77																																				
3	95	86	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68																																				
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60																																				
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54																																				
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49																																				
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44																																				
8	67	55	48	42	66	55	47	42	53	47	42	52	46	42	51	46	42	40																																				
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37																																				
10	60	48	40	36	58	47	40	36	46	40	36	45	39	35	45	39	35	34																																				

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.6	5.3
10°-20°	178.4	14.8
20°-30°	257.0	21.4
30°-40°	266.8	22.2
40°-50°	197.3	16.4
50°-60°	117.9	9.8
60°-70°	71.6	6.0
70°-80°	39.2	3.3
80°-90°	10.9	0.9
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°	499.0	41.5
0°-40°	765.8	63.7
0°-60°	1081.0	89.9
0°-90°	1202.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1202.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	675	
5°	671	64
15°	633	178
25°	560	257
35°	430	267
45°	254	197
55°	128	118
65°	72	72
75°	36	39
85°	9	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	675.4
2.5°	675.4
5°	671.0
7.5°	665.2
10°	656.5
12.5°	646.2
15°	633.1
17.5°	618.5
20°	603.9
22.5°	583.5
25°	560.2
27.5°	535.4
30°	503.3
32.5°	471.2
35°	430.3
37.5°	388.0
40°	341.4
42.5°	296.1
45°	253.8
47.5°	215.9
50°	182.4
52.5°	153.2
55°	128.4
57.5°	109.4
60°	93.4
62.5°	81.7
65°	71.5
67.5°	62.7
70°	54.0
72.5°	45.2
75°	36.5
77.5°	29.2
80°	21.9
82.5°	16.0
85°	8.8
87.5°	4.4
90°	0.0



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— 0°-180°







(END OF REPORT)