

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: P202713

Luminaire Tested: **LSR6B15D010BZ EC6B10209027 6LBWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202713
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 EC6B10209027 6LBWH1
Description: PORTFOLIO 6IN CYLINDER
WIDE DISTRIBUTION WITH SEMI-SPECULAR CLEAR 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: 1065.3 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

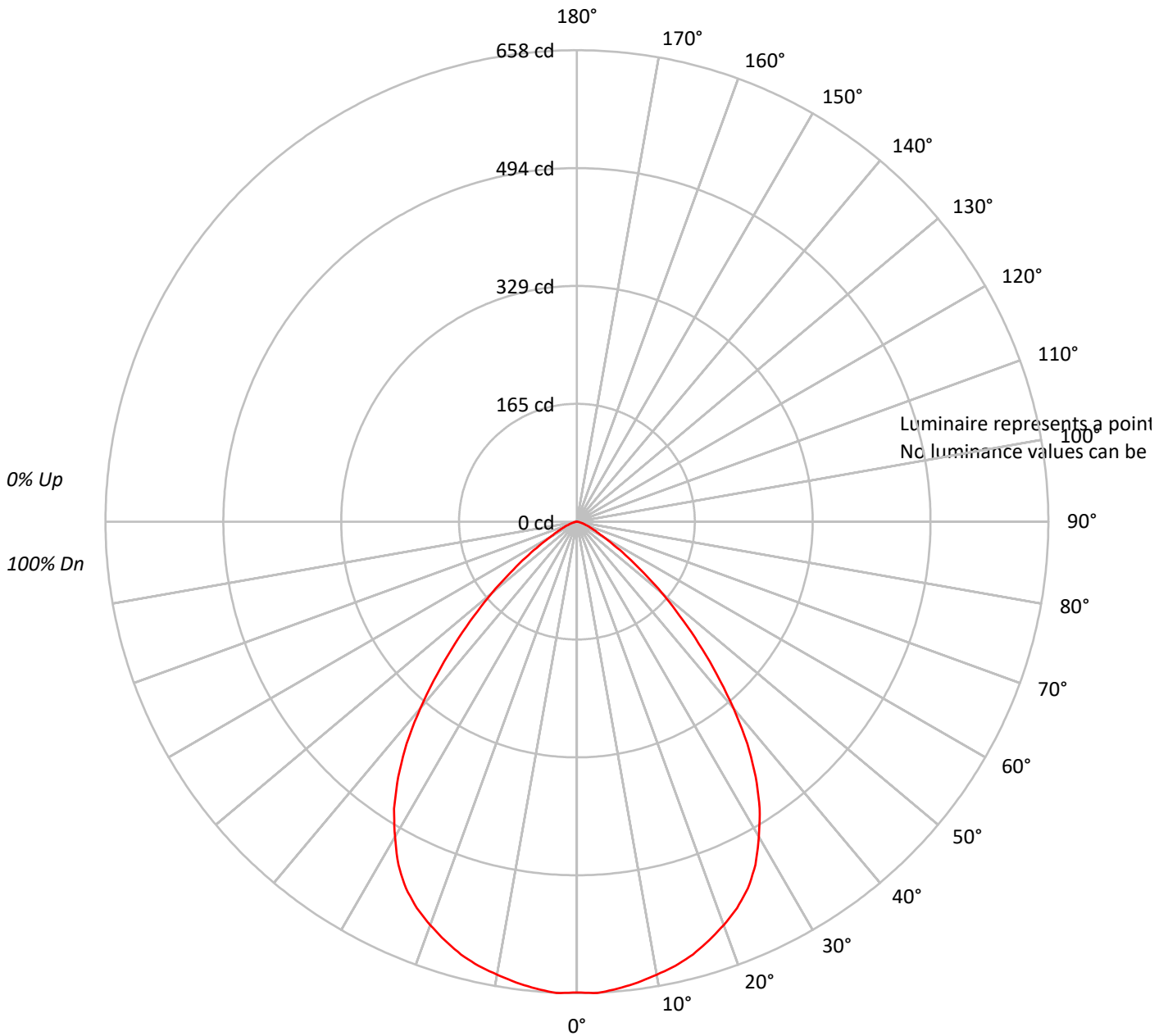
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91																			
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81																			
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73																			
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65																			
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59																			
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53																			
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49																			
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44																			
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41																			
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38																			

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.1	5.8
10°-20°	176.1	16.5
20°-30°	258.2	24.2
30°-40°	268.7	25.2
40°-50°	185.9	17.5
50°-60°	80.9	7.6
60°-70°	24.8	2.3
70°-80°	7.4	0.7
80°-90°	1.1	0.1
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°	496.4	46.6
0°-40°	765.1	71.8
0°-60°	1031.9	96.9
0°-90°	1065.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1065.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	657	
5°	654	62
15°	625	176
25°	565	258
35°	435	269
45°	240	186
55°	87	81
65°	24	25
75°	7	7
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	657.1
2.5°	658.5
5°	654.3
7.5°	648.8
10°	641.9
12.5°	635.0
15°	625.4
17.5°	612.9
20°	599.1
22.5°	583.9
25°	564.6
27.5°	539.8
30°	508.0
32.5°	474.9
35°	434.8
37.5°	390.7
40°	339.6
42.5°	288.5
45°	240.2
47.5°	194.6
50°	154.6
52.5°	117.3
55°	87.0
57.5°	62.1
60°	42.8
62.5°	31.8
65°	23.5
67.5°	17.9
70°	12.4
72.5°	9.7
75°	6.9
77.5°	4.1
80°	2.8
82.5°	1.4
85°	1.4
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)