

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: P203016

Luminaire Tested: **LSR6B15D010BZ EC6B10208027 6LBWB1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203016
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 EC6B10208027 6LBWB1
Description: PORTFOLIO 6IN CYLINDER
WIDE DISTRIBUTION WITH SPECULAR BLACK 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: 789.1 lumens
Efficiency: N/A
Efficacy: 55.2 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.08
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

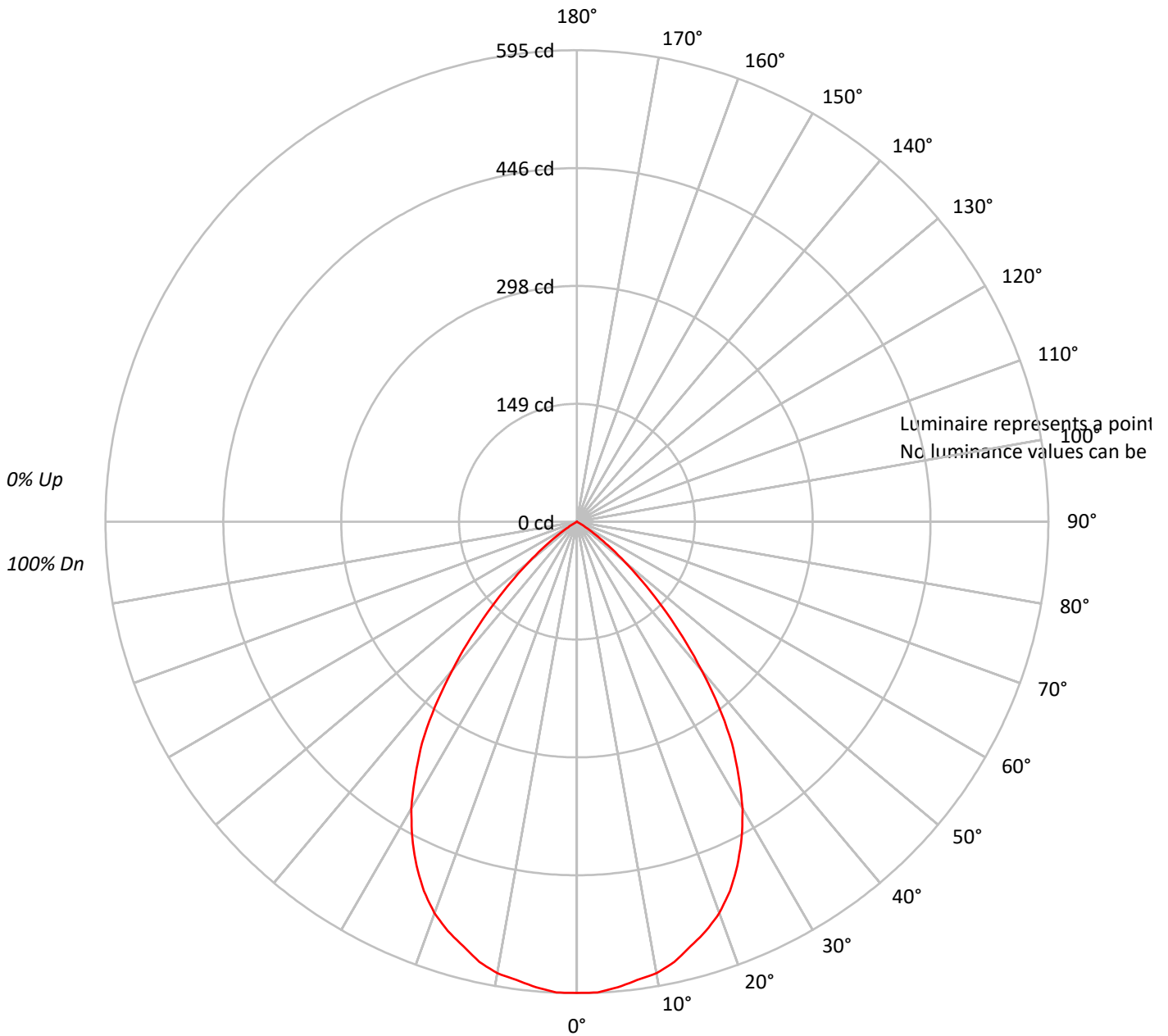
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0		
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	98	97	96	95	94	92
	1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92	92	90	88	84	81	78	77
	2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84	84	81	78	77	75	72	70
	3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77	75	72	70	68	66	64	64
	4	94	86	79	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70	68	66	64	62	60	59	59
	5	89	79	73	68	87	78	72	67	76	71	67	75	70	66	73	69	66	64	62	60	58	56	54	53	53
	6	83	73	67	62	82	72	66	61	71	65	61	69	64	61	68	64	60	58	56	54	52	50	48	47	47
	7	78	68	61	56	77	67	61	56	66	60	56	65	60	56	63	59	55	54	52	50	48	46	45	45	45
	8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50	48	46	45	44	44	44	44
	9	70	59	52	48	69	58	52	48	57	52	48	57	51	47	56	51	47	46	45	44	44	44	44	44	44
	10	66	55	49	44	65	55	49	44	54	48	44	53	48	44	52	47	44	44	44	44	44	44	44	44	44

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.9	7.1
10°-20°	156.4	19.8
20°-30°	219.0	27.8
30°-40°	209.2	26.5
40°-50°	119.1	15.1
50°-60°	29.1	3.7
60°-70°	0.4	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	431.3	54.7
0°-40°	640.5	81.2
0°-60°	788.8	100.0
0°-90°	789.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	789.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	595	
5°	590	56
15°	555	156
25°	479	219
35°	341	209
45°	153	119
55°	29	29
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	594.8
2.5°	594.8
5°	589.9
7.5°	583.5
10°	578.7
12.5°	569.0
15°	554.6
17.5°	541.7
20°	525.6
22.5°	504.7
25°	479.0
27.5°	450.1
30°	417.9
32.5°	379.4
35°	340.8
37.5°	294.2
40°	244.3
42.5°	197.7
45°	152.7
47.5°	112.5
50°	78.8
52.5°	49.8
55°	28.9
57.5°	12.9
60°	3.2
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)