

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: P225356

Luminaire Tested: **LSSQ2B15FL408030D010 2LBDC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225356
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14835)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQ2B15FL408030D010 2LBDC*MW
Description: 1500 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
CAST ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1203.1 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.59
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

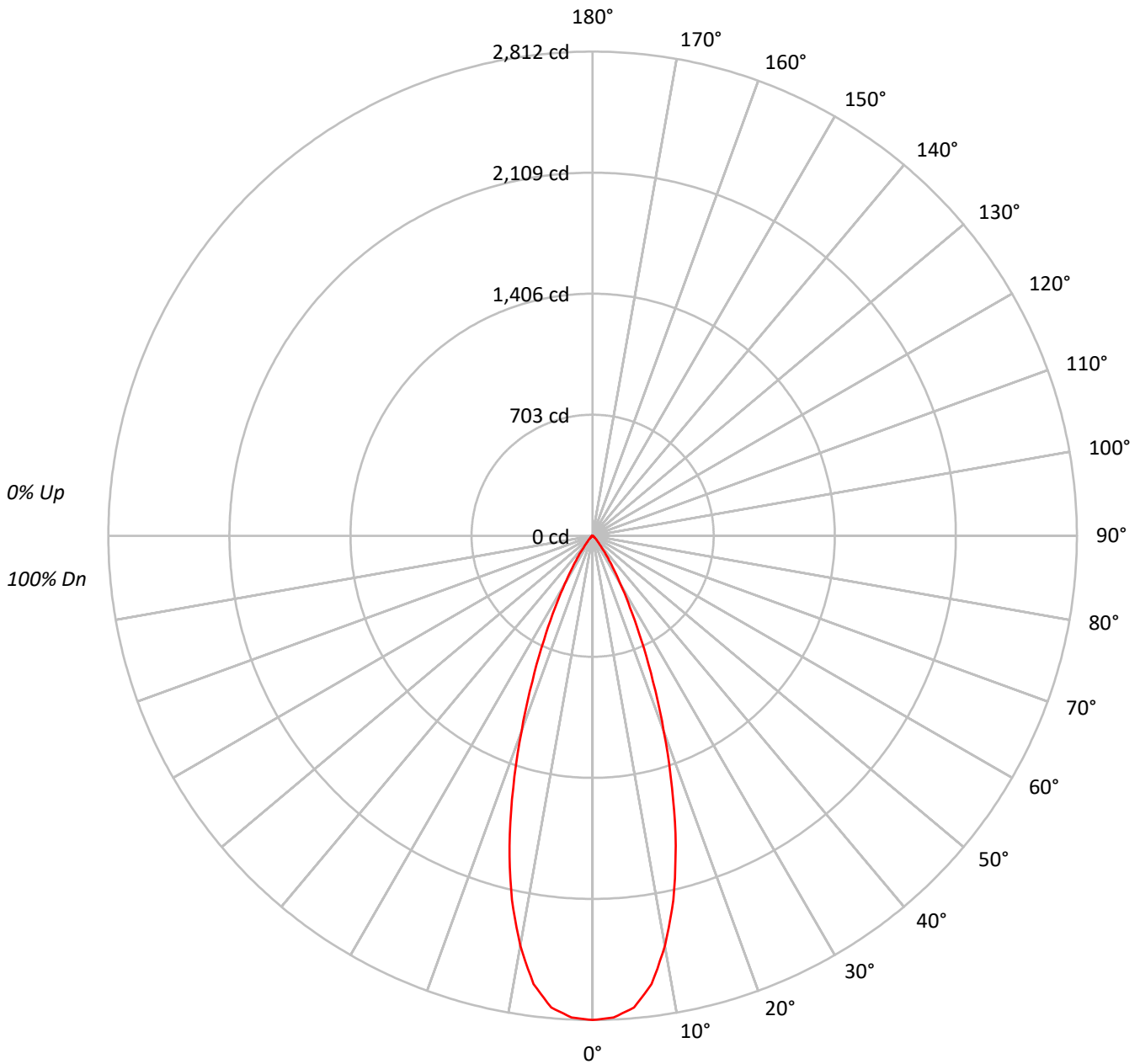
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95		
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91		
3	105	100	96	93	104	99	95	92	96	93	90	94	91	89	92	90	88	86		
4	101	95	90	87	100	94	90	86	92	88	85	90	87	85	88	86	84	82		
5	98	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	79		
6	94	87	82	78	93	86	81	78	84	80	77	83	80	77	82	79	76	75		
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	76	73	72		
8	87	79	74	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69		
9	84	76	71	68	83	76	71	68	75	71	68	74	70	67	73	70	67	66		
10	81	73	68	65	80	73	68	65	72	68	65	71	68	65	71	67	65	64		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1089256
5°	1069426
10°	950658
15°	747683
20°	497531
25°	285624
30°	144289
35°	67856
40°	27305
45°	13530
50°	7412
55°	5200
60°	4803
65°	2841
70°	3511
75°	2245
80°	3346
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.9	20.9
10°-20°	505.1	42.0
20°-30°	314.2	26.1
30°-40°	96.6	8.0
40°-50°	21.2	1.8
50°-60°	7.6	0.6
60°-70°	3.8	0.3
70°-80°	2.2	0.2
80°-90°	0.6	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°	1071.1	89.0
0°-40°	1167.7	97.1
0°-60°	1196.5	99.4
0°-90°	1203.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1203.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2812	
5°	2750	252
15°	1864	505
25°	668	314
35°	144	97
45°	25	21
55°	8	8
65°	3	4
75°	2	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2812.1
2.5°	2799.8
5°	2750.4
7.5°	2625.4
10°	2417.0
12.5°	2167.0
15°	1864.5
17.5°	1534.2
20°	1207.0
22.5°	915.3
25°	668.3
27.5°	470.7
30°	322.6
32.5°	217.6
35°	143.5
37.5°	86.4
40°	54.0
42.5°	37.0
45°	24.7
47.5°	17.0
50°	12.3
52.5°	10.8
55°	7.7
57.5°	6.2
60°	6.2
62.5°	4.6
65°	3.1
67.5°	3.1
70°	3.1
72.5°	3.1
75°	1.5
77.5°	1.5
80°	1.5
82.5°	1.5
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)