

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: P#

Luminaire Tested: **LSSQWM2B15FL408027D010 2LBD*LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29152)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQWM2B15FL408027D010 2LBD*LI
Description: 1500 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
SPUN ROUND TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

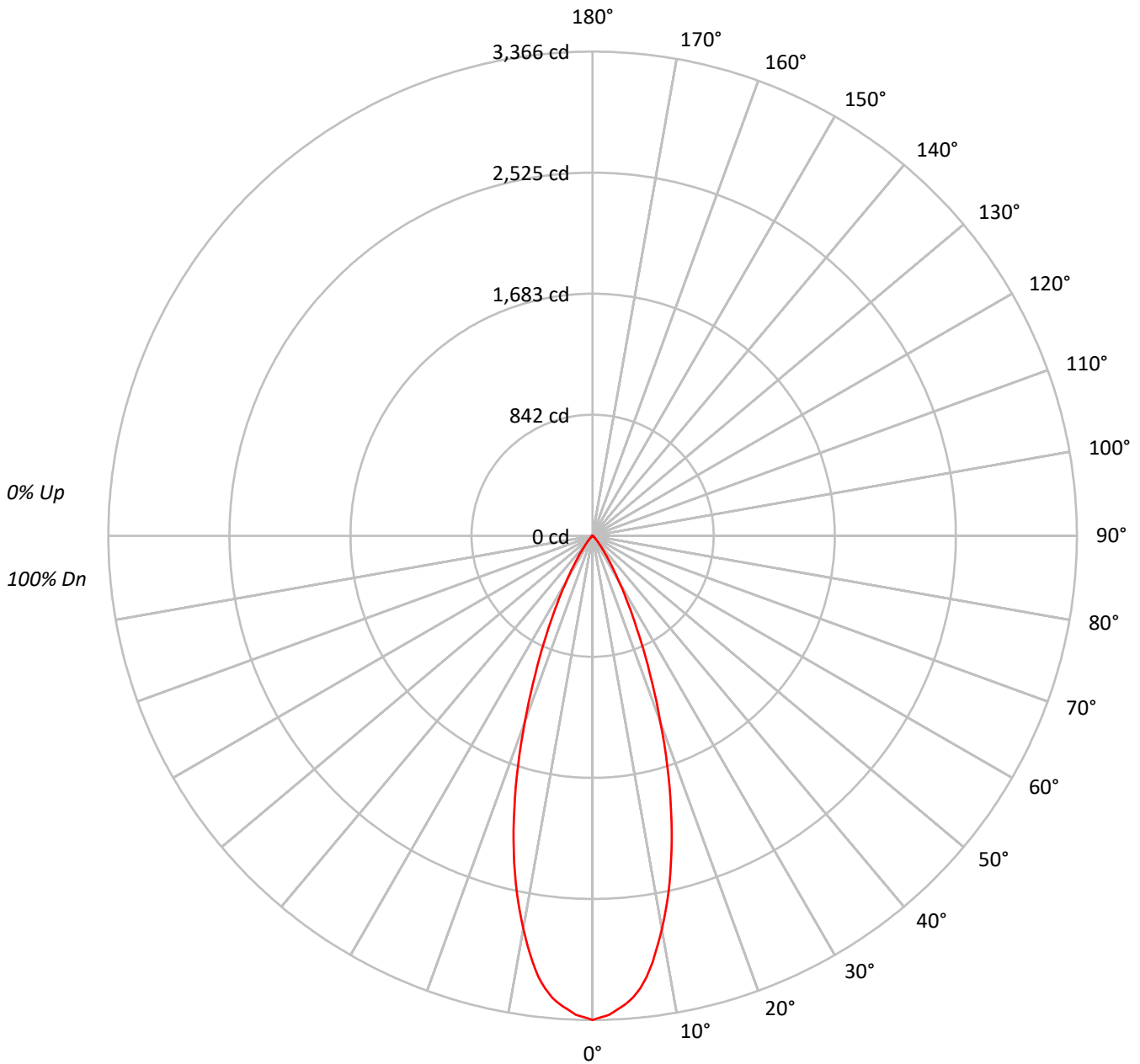
Lumens per Lamp: N/A
Luminaire Lumens: 1359.4 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.58
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1304000
5°	1253107
10°	1090838
15°	851826
20°	566493
25°	324388
30°	161285
35°	74145
40°	29732
45°	13585
50°	6327
55°	3512
60°	2014
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.3	21.6
10°-20°	576.0	42.4
20°-30°	356.5	26.2
30°-40°	106.7	7.8
40°-50°	21.4	1.6
50°-60°	5.2	0.4
60°-70°	0.3	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°	1225.8	90.2
0°-40°	1332.5	98.0
0°-60°	1359.1	100.0
0°-90°	1359.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1359.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3366	
5°	3223	293
15°	2124	576
25°	759	356
35°	157	107
45°	25	21
55°	5	5
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3366.5
1°	3348.3
2°	3331.3
3°	3297.3
4°	3266.0
5°	3222.8
6°	3164.1
7°	3089.6
8°	2994.2
9°	2885.8
10°	2773.4
11°	2657.2
12°	2533.1
13°	2403.7
14°	2265.3
15°	2124.2
17.5°	1751.9
20°	1374.3
22.5°	1039.9
25°	759.0
27.5°	533.0
30°	360.6
32.5°	237.8
35°	156.8
37.5°	98.0
40°	58.8
42.5°	37.9
45°	24.8
47.5°	15.7
50°	10.5
52.5°	7.8
55°	5.2
57.5°	3.9
60°	2.6
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



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



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— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)