

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: **LSSQWM2B15WFL558035D010 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 (P29153)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQWM2B15WFL558035D010 2LBD*LI
Description: 1500 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
SPUN ROUND TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1325.3 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.8
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

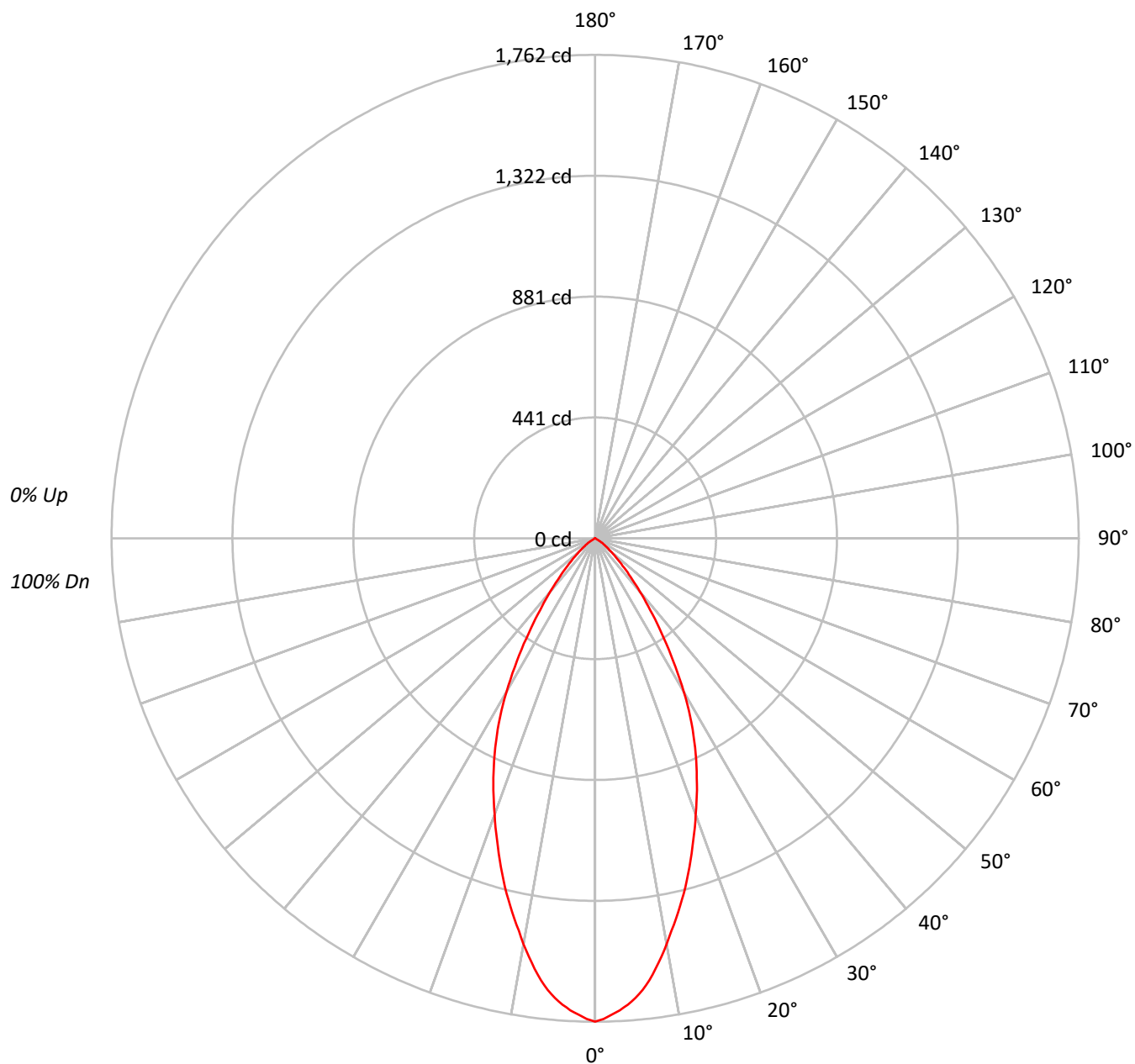
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						
1	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93						
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87						
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80						
4	97	89	84	79	95	88	83	79	86	81	78	84	80	77	82	79	76	75						
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69						
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65						
7	83	73	67	63	82	73	67	63	72	66	63	70	66	62	69	65	62	61						
8	79	69	63	59	78	69	63	59	68	62	59	66	62	58	66	61	58	57						
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53						
10	72	62	56	52	71	61	56	52	61	55	52	60	55	52	59	55	52	50						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	682465
5°	654160
10°	590808
15°	517624
20°	441636
25°	370461
30°	288980
35°	199217
40°	127928
45°	77403
50°	45436
55°	25459
60°	7282
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.8	11.7
10°-20°	358.7	27.1
20°-30°	394.3	29.7
30°-40°	266.8	20.1
40°-50°	114.3	8.6
50°-60°	34.9	2.6
60°-70°	1.4	0.1
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°	907.8	68.5
0°-40°	1174.6	88.6
0°-60°	1323.8	99.9
0°-90°	1325.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1325.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1762	
5°	1682	155
15°	1291	359
25°	867	394
35°	421	267
45°	141	114
55°	38	35
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1761.9
1°	1752.4
2°	1737.6
3°	1722.8
4°	1704.0
5°	1682.4
6°	1655.5
7°	1623.2
8°	1584.2
9°	1543.8
10°	1502.1
11°	1457.7
12°	1417.3
13°	1375.6
14°	1333.8
15°	1290.8
17.5°	1179.1
20°	1071.4
22.5°	969.1
25°	866.8
27.5°	761.8
30°	646.1
32.5°	529.0
35°	421.3
37.5°	329.8
40°	253.0
42.5°	191.1
45°	141.3
47.5°	103.6
50°	75.4
52.5°	53.8
55°	37.7
57.5°	24.2
60°	9.4
62.5°	1.3
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)