

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: P225047

Luminaire Tested: **LSSQWM2B15FL408035D010 2LBD*WMH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225047
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14830)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQWM2B15FL408035D010 2LBD*WMH
Description: 1500 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
SPUN ROUND TRIM WITH WHEAT METALLIC HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1307.4 lumens
Efficiency: N/A
Efficacy: 91.4 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

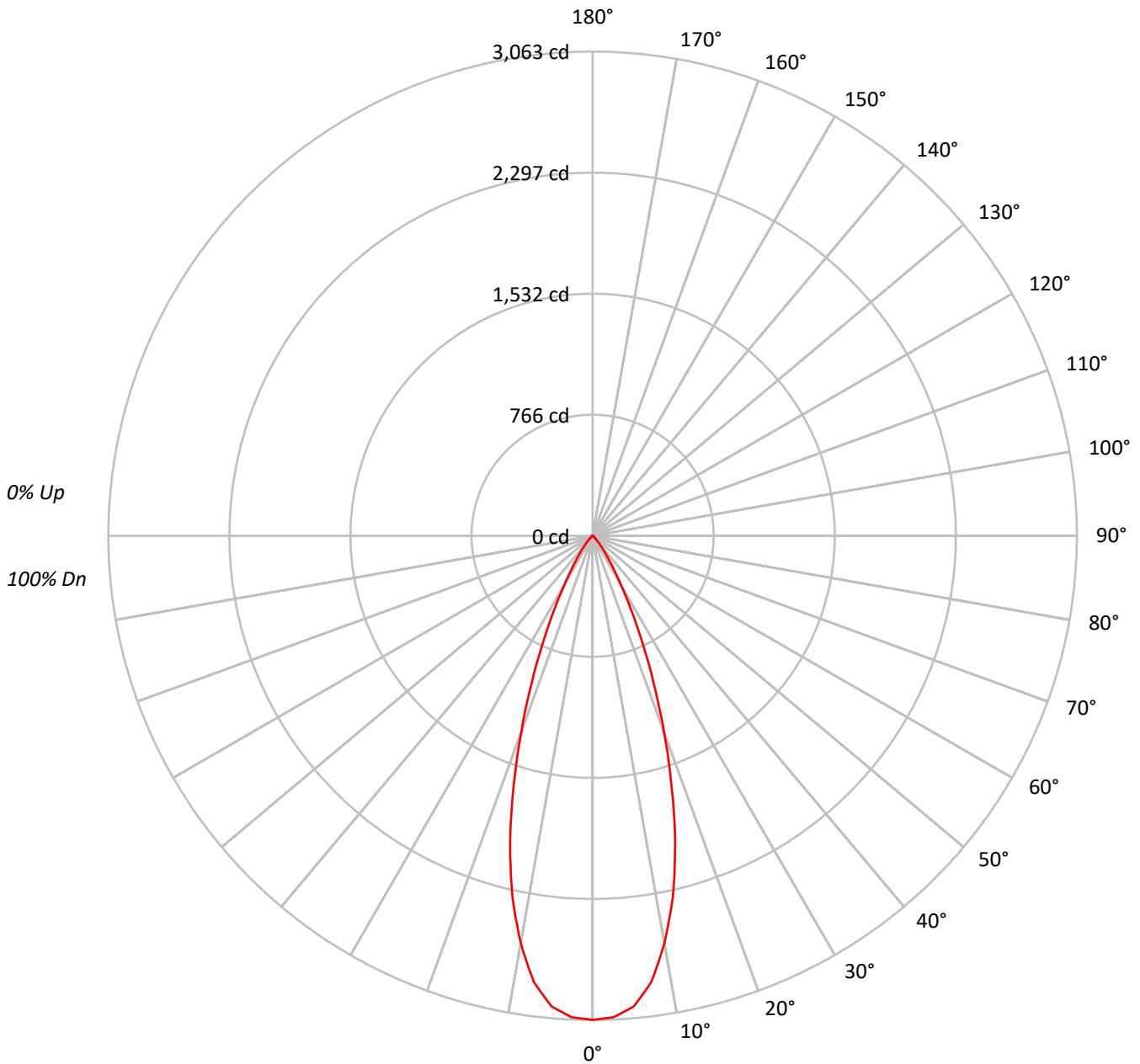
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				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				100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95				95
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91				91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	87				87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	88	86	84	83				83
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79				79
6	94	87	82	78	93	86	81	78	85	81	77	83	80	77	82	79	77	75				75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72				72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	71	76	73	70	69				69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	66				66
10	81	73	69	65	80	73	68	65	72	68	65	72	68	65	71	67	65	64				64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1186363
5°	1161889
10°	1029322
15°	808837
20°	543822
25°	315926
30°	157886
35°	74429
40°	35193
45°	15448
50°	8015
55°	4457
60°	2556
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.4	20.9
10°-20°	547.1	41.8
20°-30°	345.8	26.5
30°-40°	108.2	8.3
40°-50°	25.1	1.9
50°-60°	6.6	0.5
60°-70°	1.2	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°	1166.3	89.2
0°-40°	1274.5	97.5
0°-60°	1306.2	99.9
0°-90°	1307.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1307.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3063	
5°	2988	273
15°	2017	547
25°	739	346
35°	157	108
45°	28	25
55°	7	7
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3062.8
2.5°	3047.9
5°	2988.2
7.5°	2847.4
10°	2617.0
12.5°	2343.5
15°	2017.0
17.5°	1660.7
20°	1319.3
22.5°	1004.4
25°	739.2
27.5°	522.1
30°	353.0
32.5°	235.3
35°	157.4
37.5°	106.1
40°	69.6
42.5°	43.1
45°	28.2
47.5°	19.9
50°	13.3
52.5°	9.9
55°	6.6
57.5°	5.0
60°	3.3
62.5°	3.3
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
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)