

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: P224666

Luminaire Tested: **LSSQWM2B15FL408035D010 2LBDLC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224666
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: LSSQWM2B15FL408035D010 2LBDLC*MW
Description: 1500 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
LENSED CAST ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1291.3 lumens
Efficiency: N/A
Efficacy: 90.3 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

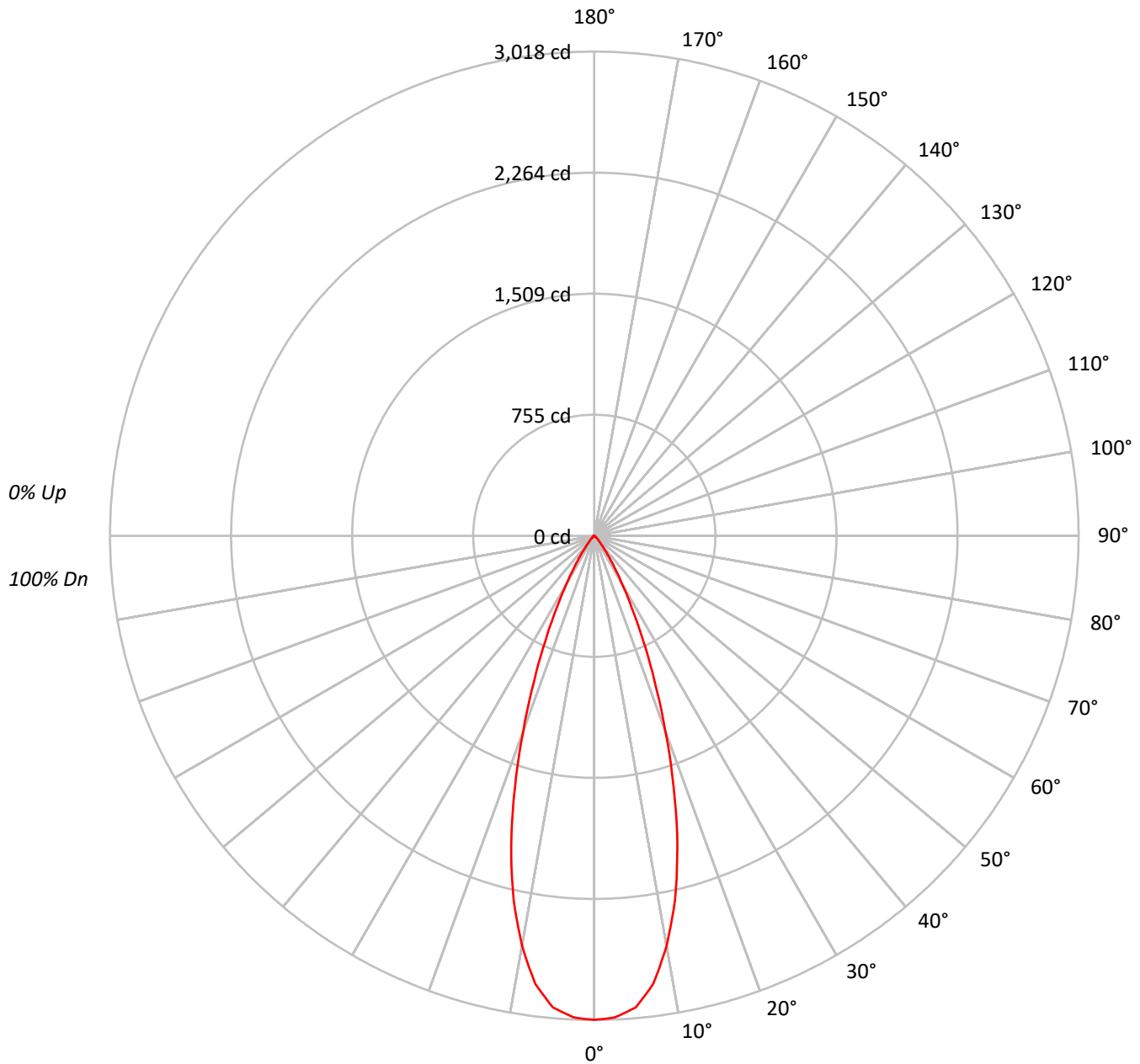
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10		70	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
1	114	112	110	108		112	110	108	106		106	104	103		102	101	100		99	98	97
2	110	106	102	99		108	104	101	98		101	98	96		98	96	94		95	94	92
3	105	100	96	93		104	99	95	92		96	93	90		94	91	89		92	90	88
4	101	95	90	87		100	94	90	86		92	88	85		90	87	85		88	86	84
5	98	91	86	82		96	90	85	82		88	84	81		86	83	80		85	82	80
6	94	86	82	78		93	86	81	78		84	80	77		83	79	77		82	79	76
7	90	83	78	74		89	82	77	74		81	77	74		80	76	73		79	76	73
8	87	79	74	71		86	79	74	71		78	74	71		77	73	70		76	73	70
9	84	76	71	68		83	76	71	68		75	71	68		74	70	67		73	70	67
10	81	73	68	65		80	73	68	65		72	68	65		71	68	65		71	67	65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1168933
5°	1147658
10°	1020197
15°	802341
20°	533888
25°	306523
30°	154844
35°	72821
40°	29327
45°	14516
50°	8015
55°	5605
60°	5113
65°	3025
70°	3737
75°	2544
80°	3792
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.3	20.9
10°-20°	542.0	42.0
20°-30°	337.2	26.1
30°-40°	103.7	8.0
40°-50°	22.8	1.8
50°-60°	8.1	0.6
60°-70°	4.1	0.3
70°-80°	2.4	0.2
80°-90°	0.7	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°	1149.5	89.0
0°-40°	1253.2	97.0
0°-60°	1284.1	99.4
0°-90°	1291.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1291.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3018	
5°	2952	270
15°	2001	542
25°	717	337
35°	154	104
45°	26	23
55°	8	8
65°	3	4
75°	2	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3017.8
2.5°	3004.6
5°	2951.6
7.5°	2817.4
10°	2593.8
12.5°	2325.5
15°	2000.8
17.5°	1646.4
20°	1295.2
22.5°	982.2
25°	717.2
27.5°	505.2
30°	346.2
32.5°	233.5
35°	154.0
37.5°	92.8
40°	58.0
42.5°	39.8
45°	26.5
47.5°	18.2
50°	13.3
52.5°	11.6
55°	8.3
57.5°	6.6
60°	6.6
62.5°	5.0
65°	3.3
67.5°	3.3
70°	3.3
72.5°	3.3
75°	1.7
77.5°	1.7
80°	1.7
82.5°	1.7
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)