

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: P224948

Luminaire Tested: **LSR2B15FL408035D010 2LBD*H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224948
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (156)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B15FL408035D010 2LBD*H
Description: 1500 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
SPUN ROUND TRIM WITH HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1390.0 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.59
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

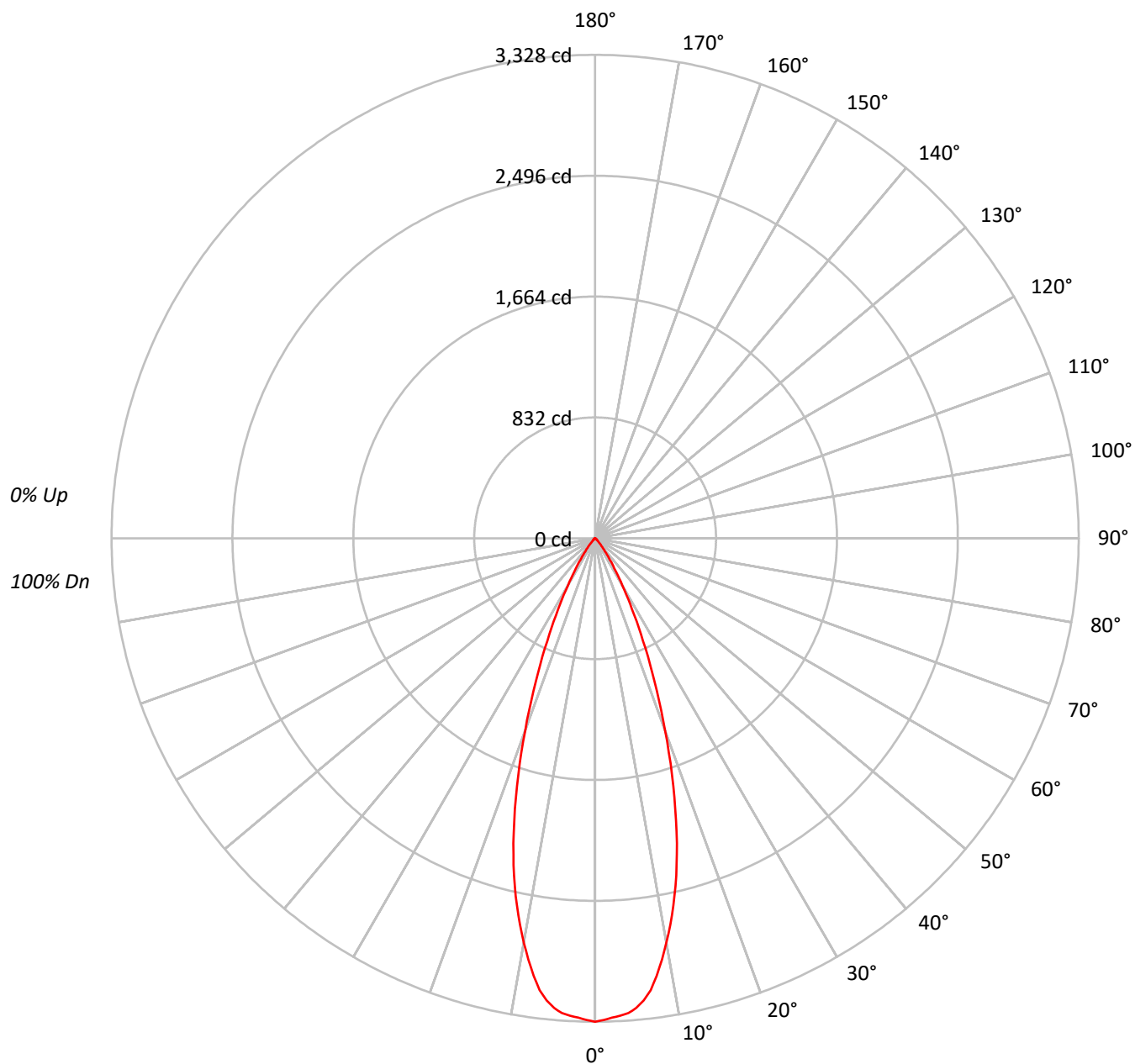
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10		70	50	30	10		50	30	10			50	30	10			50
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			102
1	114	112	110	108		112	110	108	106		106	104	103			102	101	100			99
2	110	106	103	100		108	104	101	99		101	99	97			98	96	94			96
3	106	100	96	93		104	99	95	92		97	94	91			94	92	90			92
4	102	96	91	88		100	94	90	87		92	89	86			91	88	85			89
5	98	91	86	83		96	90	86	82		89	85	82			87	84	81			86
6	94	87	82	79		93	86	82	78		85	81	78			84	80	77			82
7	91	83	78	75		90	83	78	75		82	77	74			80	77	74			79
8	88	80	75	72		87	79	75	72		78	74	71			77	74	71			77
9	85	77	72	69		84	76	72	69		75	71	68			75	71	68			74
10	82	74	69	66		81	73	69	66		73	69	66			72	68	66			71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1289281
5°	1262283
10°	1111723
15°	872197
20°	579230
25°	332509
30°	166742
35°	77029
40°	31299
45°	14023
50°	7292
55°	4525
60°	2092
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.5	21.3
10°-20°	588.7	42.4
20°-30°	365.8	26.3
30°-40°	110.3	7.9
40°-50°	22.6	1.6
50°-60°	5.8	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°	1251.0	90.0
0°-40°	1361.3	97.9
0°-60°	1389.7	100.0
0°-90°	1390.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1390.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3328	
5°	3246	297
15°	2175	589
25°	778	366
35°	163	110
45°	26	23
55°	7	6
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3328.5
1°	3317.7
2°	3302.9
3°	3292.2
4°	3276.0
5°	3246.4
6°	3199.3
7°	3134.7
8°	3041.8
9°	2936.8
10°	2826.5
11°	2709.4
12°	2586.9
13°	2459.0
14°	2319.0
15°	2175.0
17.5°	1788.7
20°	1405.2
22.5°	1066.0
25°	778.0
27.5°	549.1
30°	372.8
32.5°	245.0
35°	162.9
37.5°	100.9
40°	61.9
42.5°	40.4
45°	25.6
47.5°	16.2
50°	12.1
52.5°	8.1
55°	6.7
57.5°	4.0
60°	2.7
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)