

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: **LSR2B15WFL559030D010 2LBD\*GPH**

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 (P14806)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LSR2B15WFL559030D010 2LBD\*GPH  
Description: 1500 Lumen, 2inch Portfolio LED Cylinder  
WIDE FLOOD OPTIC  
SPUN ROUND TRIM WITH GRAPHITE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

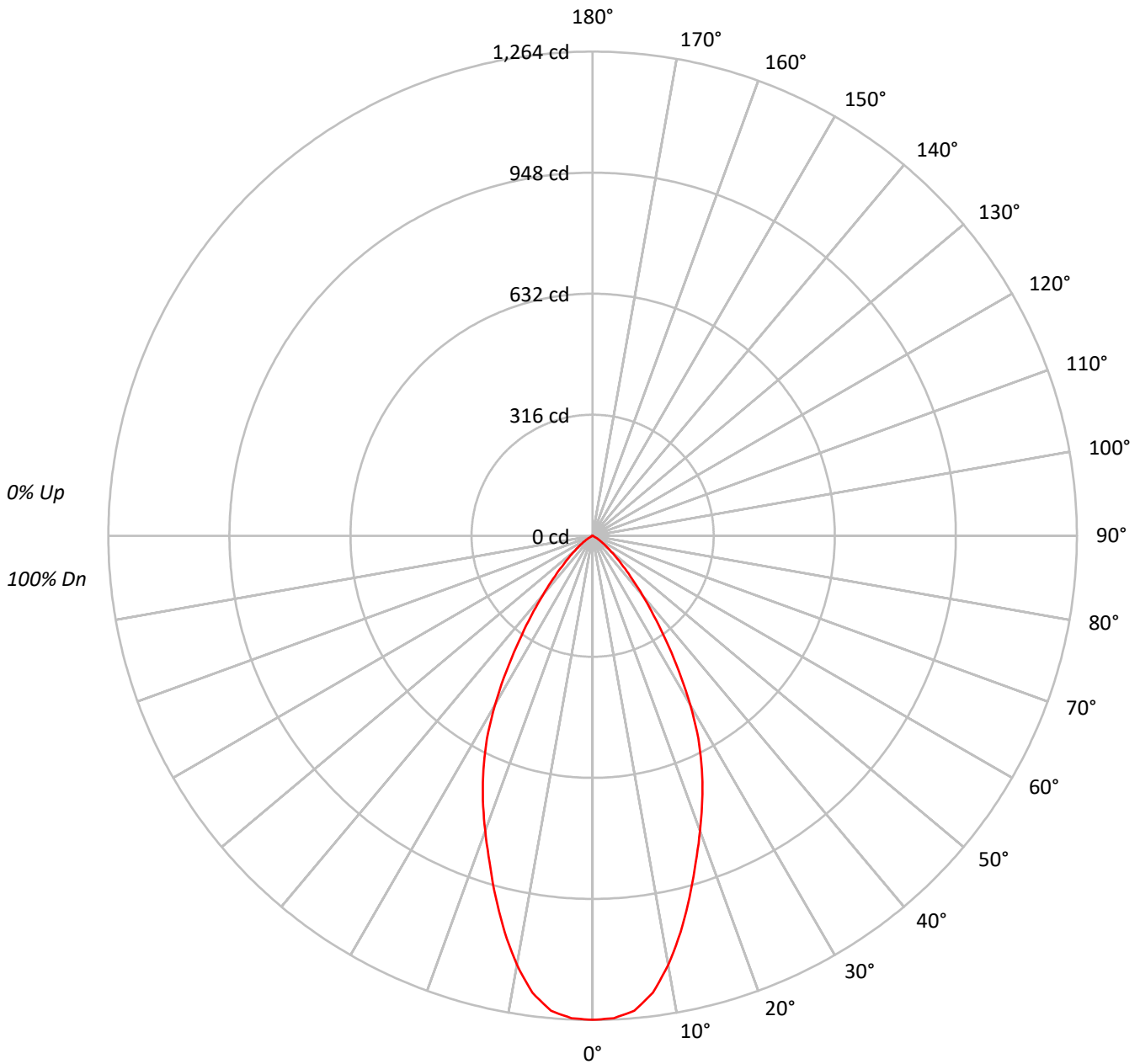
Lumens per Lamp: N/A  
Luminaire Lumens: 1027.2 lumens  
Efficiency: N/A  
Efficacy: 71.8 lumens/watt  
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.83  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																											
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86																											
3	102	95	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																											
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	78	76	74																											
5	92	83	77	73	90	82	77	72	80	75	72	79	74	71	77	73	70	69																											
6	87	78	72	67	85	77	71	67	75	70	67	74	70	66	73	69	66	64																											
7	83	73	67	63	81	72	67	62	71	66	62	70	65	62	69	65	61	60																											
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	58	56																											
9	75	65	59	55	73	64	59	55	63	58	54	62	58	54	62	57	54	53																											
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	50																											

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	489412
5°	484049
10°	447403
15°	391787
20°	337761
25°	288402
30°	228107
35°	157841
40°	102140
45°	62010
50°	36277
55°	20327
60°	7747
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.4	11.2
10°-20°	272.4	26.5
20°-30°	306.5	29.8
30°-40°	211.4	20.6
40°-50°	91.3	8.9
50°-60°	28.4	2.8
60°-70°	1.9	0.2
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°	694.3	67.6
0°-40°	905.7	88.2
0°-60°	1025.3	99.8
0°-90°	1027.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1027.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1264	
5°	1245	115
15°	977	272
25°	675	307
35°	334	211
45°	113	91
55°	30	28
65°	0	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1263.5
2.5°	1260.7
5°	1244.9
7.5°	1203.4
10°	1137.5
12.5°	1060.1
15°	977.0
17.5°	893.9
20°	819.4
22.5°	747.8
25°	674.8
27.5°	597.4
30°	510.0
32.5°	418.3
35°	333.8
37.5°	262.2
40°	202.0
42.5°	151.9
45°	113.2
47.5°	83.1
50°	60.2
52.5°	43.0
55°	30.1
57.5°	20.1
60°	10.0
62.5°	2.9
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)