

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: **LSR2B15WFL559727D010 2LBD\*H**

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 (P29157)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LSR2B15WFL559727D010 2LBD\*H  
Description: 1500 Lumen, 2inch Portfolio LED Cylinder  
WIDE FLOOD OPTIC  
SPUN ROUND TRIM WITH HAZE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

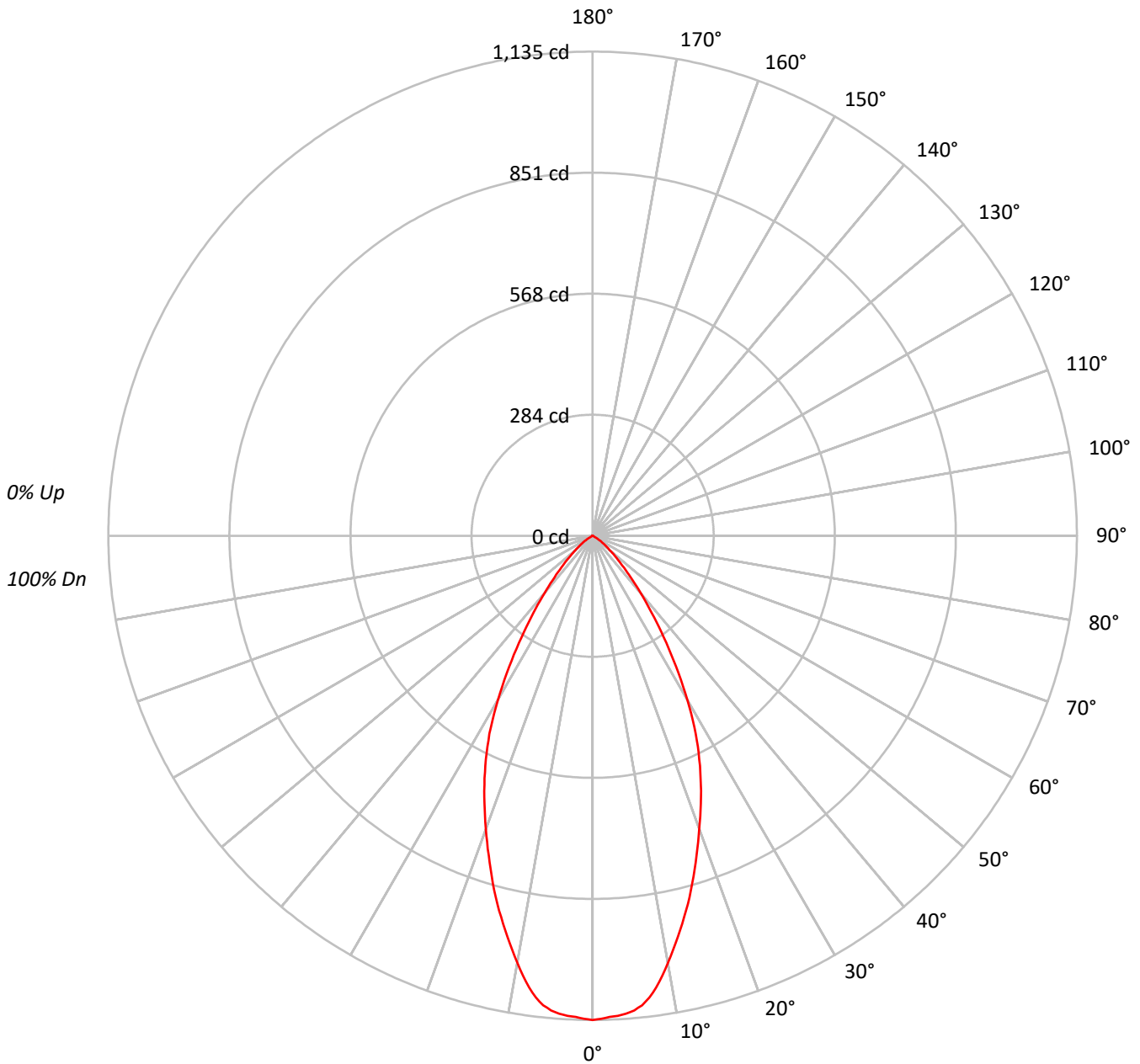
Lumens per Lamp: N/A  
Luminaire Lumens: 906.9 lumens  
Efficiency: N/A  
Efficacy: 63.4 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.82  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

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	87																											
3	102	96	91	86	100	94	90	86	92	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	79	76	74																											
5	92	83	77	73	90	82	77	73	81	76	72	79	75	71	77	74	71	69																											
6	87	78	72	68	86	77	71	67	76	71	67	74	70	66	73	69	66	64																											
7	83	73	67	63	81	73	67	63	71	66	62	70	65	62	69	65	62	60																											
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	56																											
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53																											
10	71	62	56	52	70	61	55	52	60	55	52	59	55	51	59	54	51	50																											

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

	0°
0°	439754
5°	434240
10°	399890
15°	351967
20°	301446
25°	254296
30°	198543
35°	137177
40°	88083
45°	53793
50°	31817
55°	18166
60°	5733
65°	825
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.5	11.4
10°-20°	243.9	26.9
20°-30°	270.4	29.8
30°-40°	183.5	20.2
40°-50°	79.2	8.7
50°-60°	24.9	2.7
60°-70°	1.6	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°	617.7	68.1
0°-40°	801.2	88.4
0°-60°	905.3	99.8
0°-90°	906.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	906.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1135	
5°	1117	103
15°	878	244
25°	595	270
35°	290	184
45°	98	79
55°	27	25
65°	1	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1135.3
1°	1132.6
2°	1128.9
3°	1127.0
4°	1123.3
5°	1116.8
6°	1106.6
7°	1090.9
8°	1069.5
9°	1044.5
10°	1016.7
11°	988.9
12°	961.1
13°	933.3
14°	905.5
15°	877.7
17.5°	802.6
20°	731.3
22.5°	663.6
25°	595.0
27.5°	523.7
30°	443.9
32.5°	363.3
35°	290.1
37.5°	227.1
40°	174.2
42.5°	131.6
45°	98.2
47.5°	72.3
50°	52.8
52.5°	38.0
55°	26.9
57.5°	17.6
60°	7.4
62.5°	1.9
65°	0.9
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)