

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: **LSR2B15WFL559050D010 2LBDL*WMH**

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 (P14805)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B15WFL559050D010 2LBDL*WMH
Description: 1500 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH WHEAT METALLIC HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

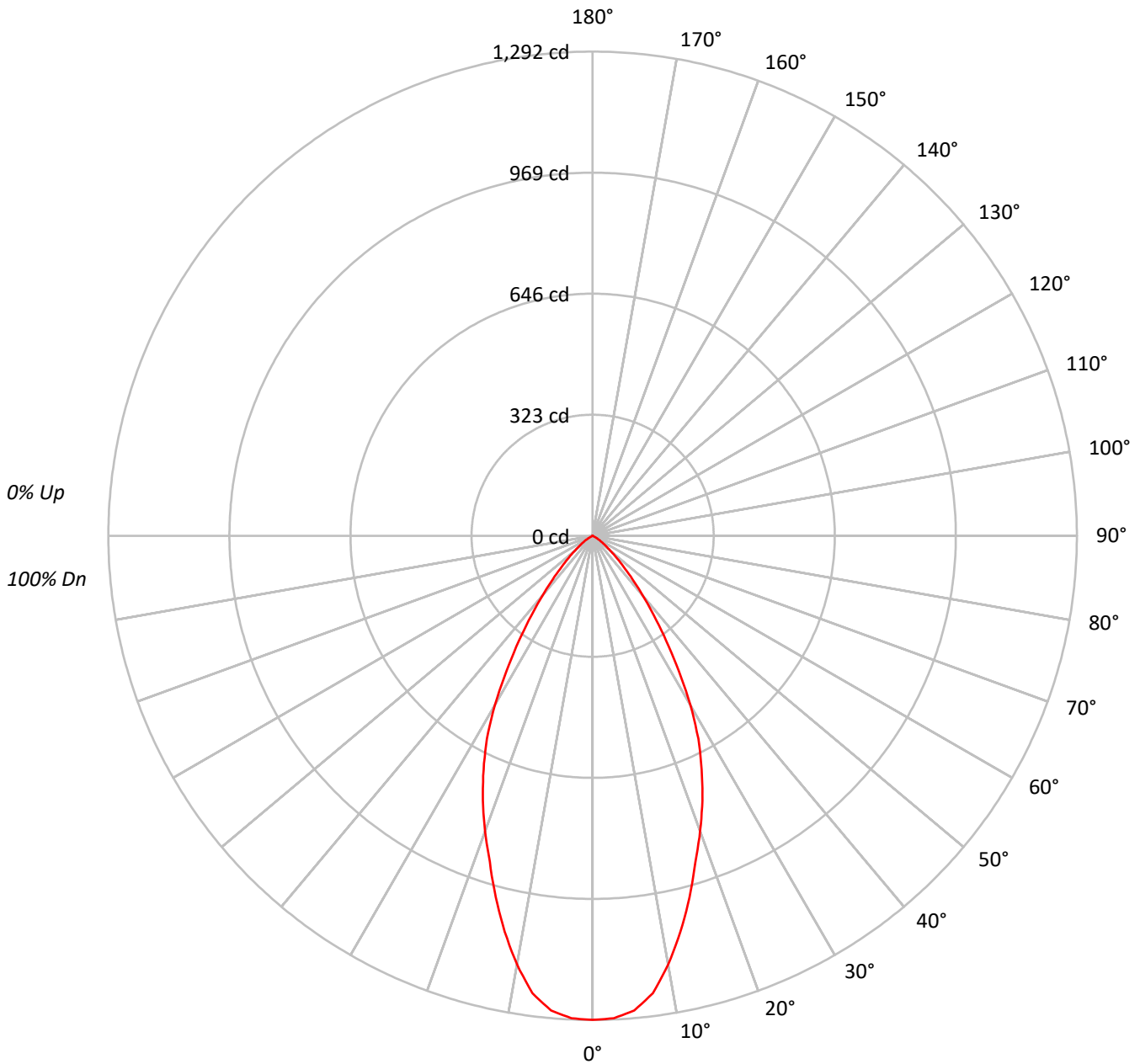
Lumens per Lamp: N/A
Luminaire Lumens: 1050.6 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.83
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{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																	
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	87	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	82	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°	500335
5°	494392
10°	456961
15°	400489
20°	345634
25°	294215
30°	233027
35°	161719
40°	105073
45°	63270
50°	36518
55°	20462
60°	8909
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.9	11.2
10°-20°	278.2	26.5
20°-30°	313.2	29.8
30°-40°	216.3	20.6
40°-50°	93.7	8.9
50°-60°	29.0	2.8
60°-70°	2.1	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°	709.4	67.5
0°-40°	925.7	88.1
0°-60°	1048.5	99.8
0°-90°	1050.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1050.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1292	
5°	1272	118
15°	999	278
25°	688	313
35°	342	216
45°	116	94
55°	30	29
65°	0	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1291.7
2.5°	1288.8
5°	1271.5
7.5°	1231.1
10°	1161.8
12.5°	1082.4
15°	998.7
17.5°	912.1
20°	838.5
22.5°	764.9
25°	688.4
27.5°	610.5
30°	521.0
32.5°	427.2
35°	342.0
37.5°	268.4
40°	207.8
42.5°	157.3
45°	115.5
47.5°	85.2
50°	60.6
52.5°	43.3
55°	30.3
57.5°	21.6
60°	11.5
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)