

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: **LSR2B10WFL558050D010 2LBD*MW**

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 (P14810)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B10WFL558050D010 2LBD*MW
Description: 1000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
SPUN ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

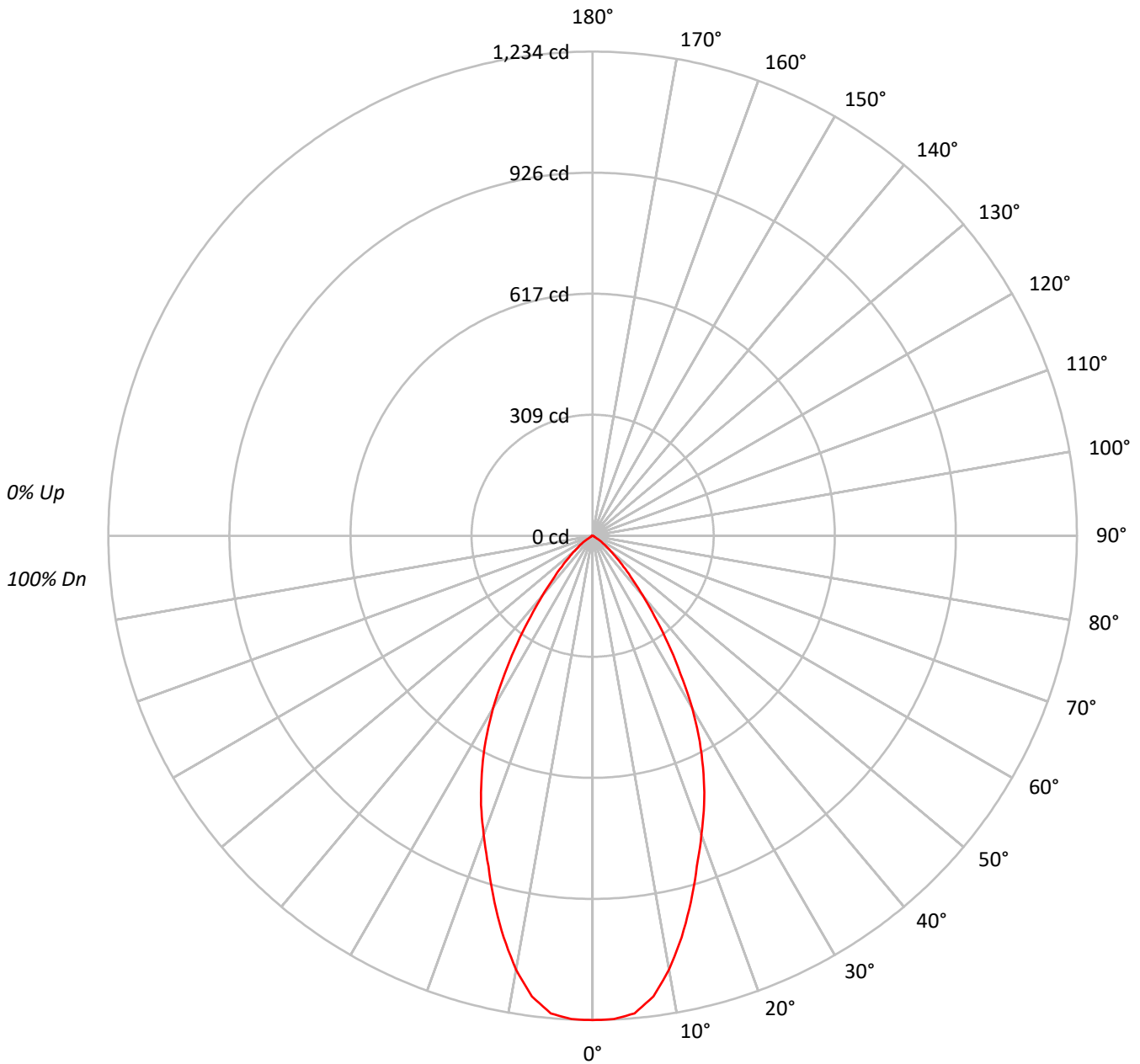
Lumens per Lamp: N/A
Luminaire Lumens: 1019.3 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10.3
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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	113	110	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93																			
2	108	102	98	95	105	101	97	94	98	94	92	95	92	90	92	90	88	86																			
3	102	95	90	86	100	94	89	85	91	87	84	89	85	83	87	84	81	80																			
4	97	89	83	79	95	88	82	78	85	81	77	83	80	76	82	78	76	74																			
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	69																			
6	87	78	71	67	85	77	71	67	75	70	66	74	69	66	73	69	65	64																			
7	82	73	67	62	81	72	66	62	71	66	62	70	65	62	69	64	61	60																			
8	78	69	62	58	77	68	62	58	67	62	58	66	61	58	65	61	57	56																			
9	74	65	59	55	73	64	58	54	63	58	54	62	57	54	61	57	54	53																			
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	49																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	478140
5°	475106
10°	441661
15°	387737
20°	334257
25°	285838
30°	226810
35°	158125
40°	100016
45°	61079
50°	36096
55°	19787
60°	4338
65°	3849
70°	3171
75°	4190
80°	3123
85°	6222



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.4	11.1
10°-20°	269.3	26.4
20°-30°	303.8	29.8
30°-40°	210.2	20.6
40°-50°	89.6	8.8
50°-60°	25.9	2.5
60°-70°	3.8	0.4
70°-80°	2.4	0.2
80°-90°	1.0	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°	686.5	67.3
0°-40°	896.7	88.0
0°-60°	1012.2	99.3
0°-90°	1019.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1019.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1234	
5°	1222	113
15°	967	269
25°	669	304
35°	334	210
45°	112	90
55°	29	26
65°	4	4
75°	3	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1234.4
2.5°	1233.0
5°	1221.9
7.5°	1184.2
10°	1122.9
12.5°	1047.7
15°	966.9
17.5°	883.3
20°	810.9
22.5°	742.6
25°	668.8
27.5°	590.7
30°	507.1
32.5°	416.6
35°	334.4
37.5°	259.1
40°	197.8
42.5°	149.1
45°	111.5
47.5°	80.8
50°	59.9
52.5°	43.2
55°	29.3
57.5°	12.5
60°	5.6
62.5°	4.2
65°	4.2
67.5°	2.8
70°	2.8
72.5°	2.8
75°	2.8
77.5°	1.4
80°	1.4
82.5°	1.4
85°	1.4
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)