

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 2LBDC*MB**

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 (P14809)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B10WFL558050D010 2LBDC*MB
Description: 1000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
CAST ROUND TRIM WITH MATTE BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

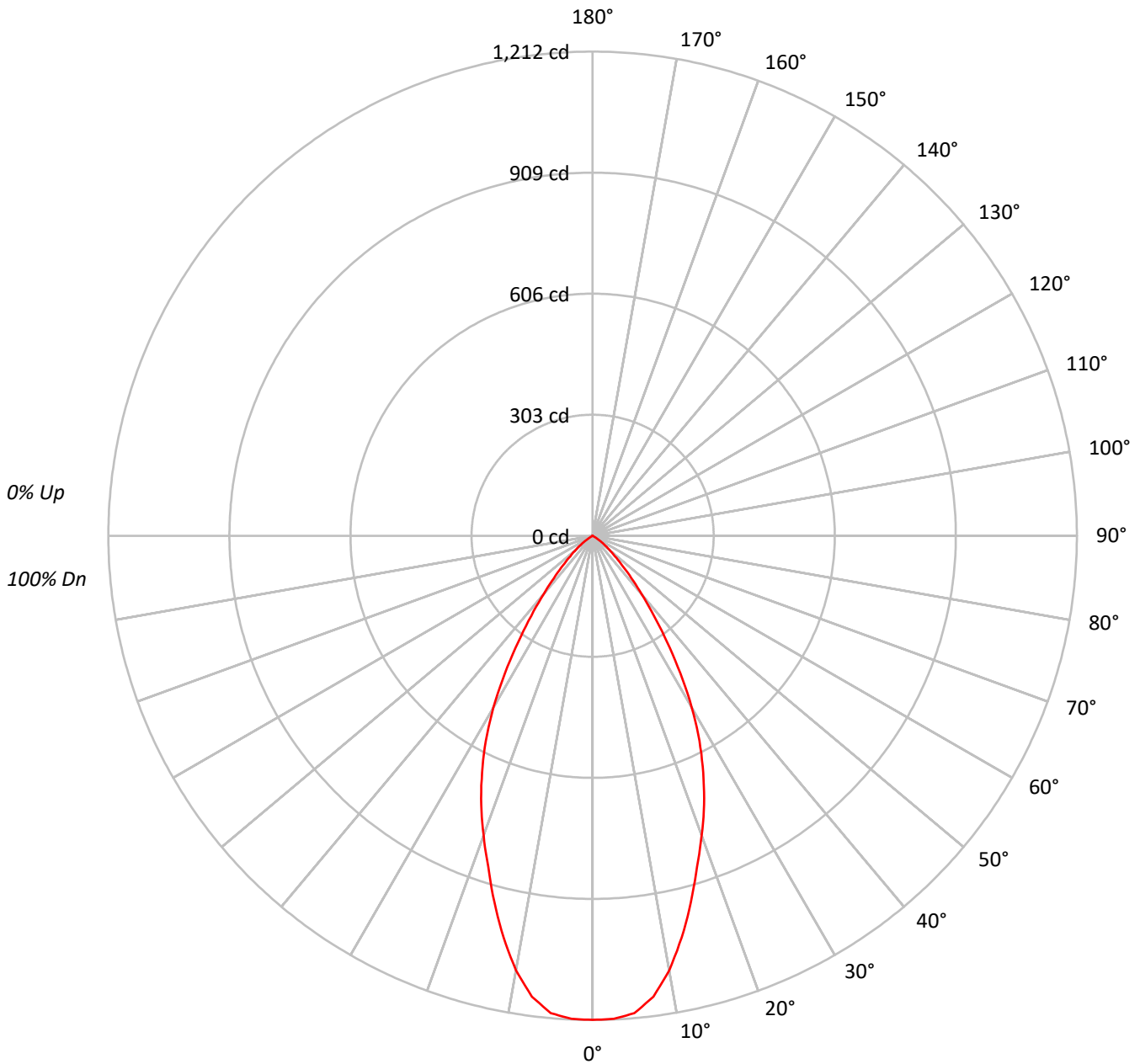
Lumens per Lamp: N/A
Luminaire Lumens: 986.0 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P#
CATALOG NUMBER: LSR2B10WFL558050D010 2LBDC*MB

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSR2B10WFL558050D010 2LBDC*MB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65			
7	83	73	67	63	81	73	67	63	71	66	63	70	66	62	69	65	62	60			
8	79	69	63	59	78	69	63	59	67	62	59	66	62	58	65	61	58	57			
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53			
10	71	62	56	52	70	61	56	52	60	55	52	60	55	52	59	55	51	50			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	469386
5°	466357
10°	434345
15°	380919
20°	329022
25°	279854
30°	221979
35°	153207
40°	96224
45°	57408
50°	33203
55°	16748
60°	1085
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSR2B10WFL558050D010 2LBDC*MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.4	11.3
10°-20°	264.7	26.8
20°-30°	298.0	30.2
30°-40°	204.7	20.8
40°-50°	85.1	8.6
50°-60°	21.9	2.2
60°-70°	0.2	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°	674.1	68.4
0°-40°	878.9	89.1
0°-60°	985.8	100.0
0°-90°	986.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	986.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1212	
5°	1199	111
15°	950	265
25°	655	298
35°	324	205
45°	105	85
55°	25	22
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSR2B10WFL558050D010 2LBDC*MB

CANDELA DISTRIBUTION (FULL):

	0°
0°	1211.8
2.5°	1210.4
5°	1199.4
7.5°	1163.6
10°	1104.3
12.5°	1029.8
15°	949.9
17.5°	868.5
20°	798.2
22.5°	729.3
25°	654.8
27.5°	579.0
30°	496.3
32.5°	408.1
35°	324.0
37.5°	252.3
40°	190.3
42.5°	143.4
45°	104.8
47.5°	75.8
50°	55.1
52.5°	38.6
55°	24.8
57.5°	8.3
60°	1.4
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
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)