

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: **LSR2B10WFL558027D010 2LBDLC*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: LSR2B10WFL558027D010 2LBDLC*MB
Description: 1000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
LENSED CAST ROUND TRIM WITH MATTE BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 837.9 lumens
Efficiency: N/A
Efficacy: 81.4 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

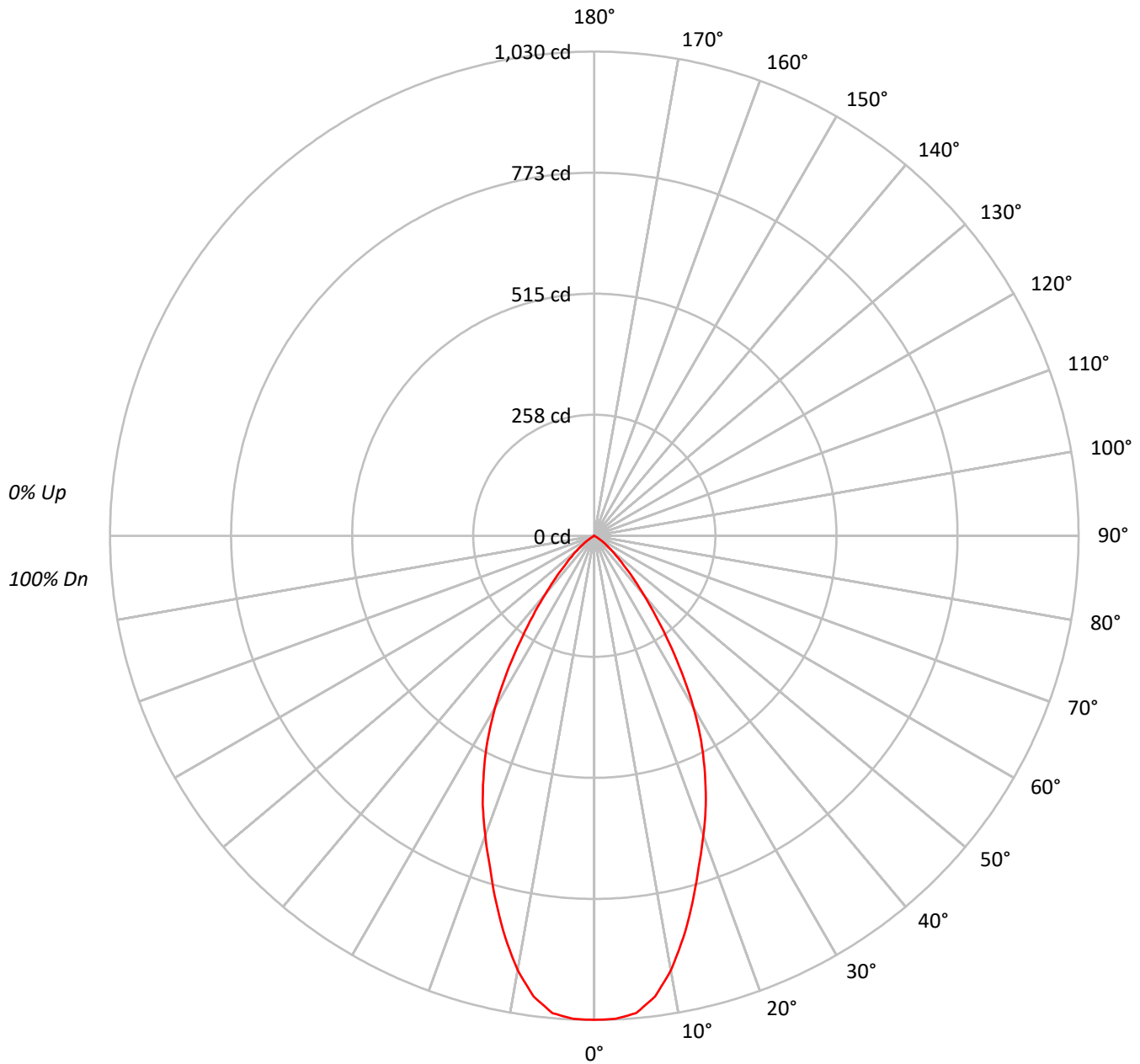
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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°	398889
5°	396291
10°	369093
15°	323695
20°	279599
25°	237842
30°	188658
35°	130179
40°	81763
45°	48753
50°	28262
55°	14249
60°	930
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.7	11.3
10°-20°	225.0	26.8
20°-30°	253.2	30.2
30°-40°	174.0	20.8
40°-50°	72.3	8.6
50°-60°	18.6	2.2
60°-70°	0.1	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°	572.9	68.4
0°-40°	746.9	89.1
0°-60°	837.8	100.0
0°-90°	837.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	837.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1030	
5°	1019	95
15°	807	225
25°	556	253
35°	275	174
45°	89	72
55°	21	19
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1029.8
2.5°	1028.6
5°	1019.2
7.5°	988.8
10°	938.4
12.5°	875.1
15°	807.2
17.5°	738.1
20°	678.3
22.5°	619.8
25°	556.5
27.5°	492.1
30°	421.8
32.5°	346.8
35°	275.3
37.5°	214.4
40°	161.7
42.5°	121.8
45°	89.0
47.5°	64.4
50°	46.9
52.5°	32.8
55°	21.1
57.5°	7.0
60°	1.2
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



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— 0°-180°







(END OF REPORT)