

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: P225453

Luminaire Tested: **LSR2B10FL409040D010 2LBDLC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225453
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14833)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B10FL409040D010 2LBDLC*MB
Description: 1000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
LENSED CAST ROUND TRIM WITH MATTE BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 801.9 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.6
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

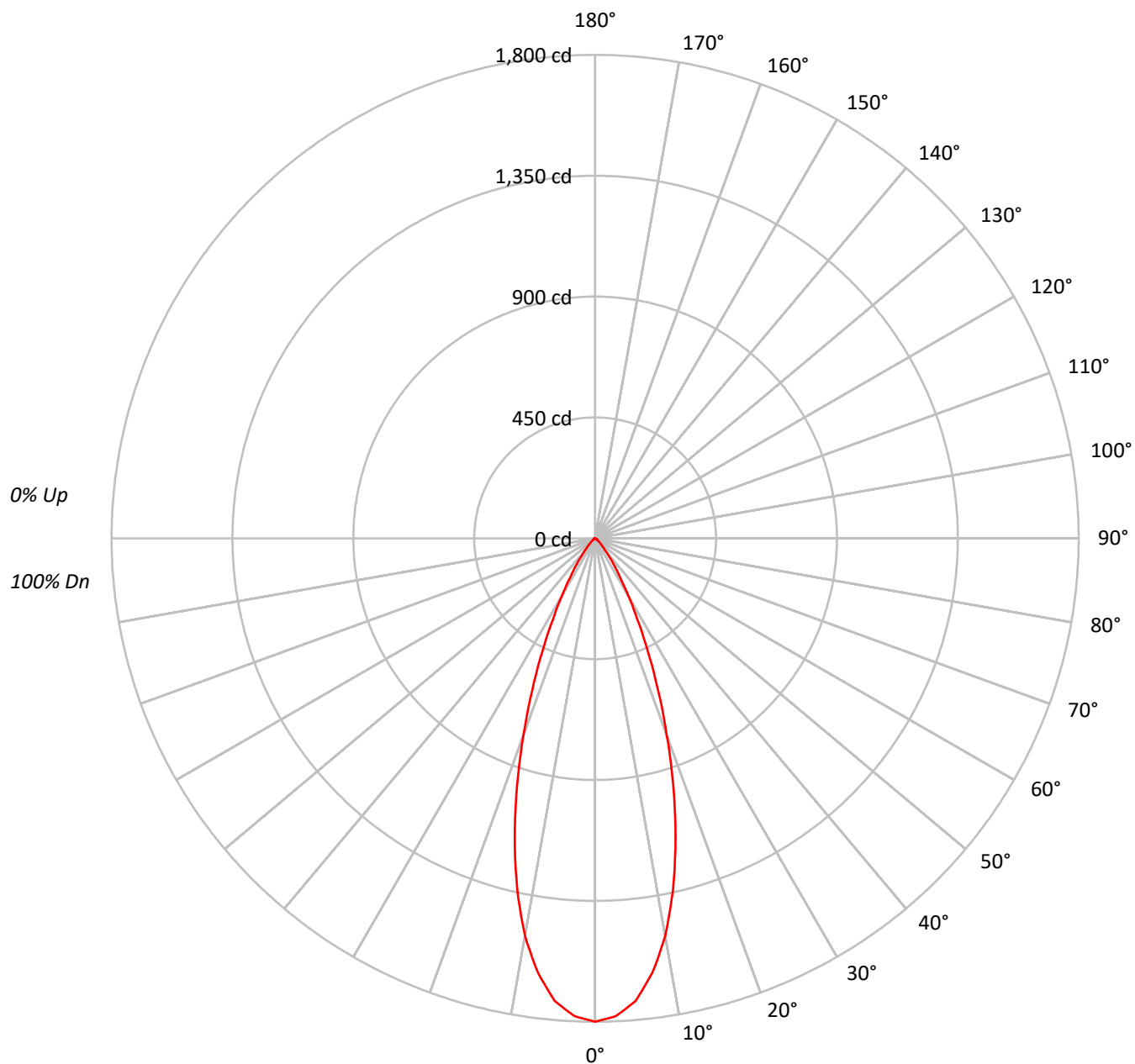
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95		
2	110	105	102	99	107	104	101	98	101	98	96	98	96	94	95	93	92	90		
3	105	100	95	92	103	98	94	91	96	92	90	93	91	88	91	89	87	86		
4	101	94	90	86	99	93	89	86	91	87	85	89	86	84	88	85	83	81		
5	97	90	85	81	95	89	84	81	87	83	80	85	82	79	84	81	79	77		
6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	81	77	75	74		
7	89	81	76	73	88	81	76	73	80	75	72	79	75	72	78	74	72	70		
8	86	78	73	69	85	77	73	69	76	72	69	75	72	69	75	71	68	67		
9	83	75	70	66	82	74	69	66	73	69	66	72	69	66	72	68	65	64		
10	80	72	67	63	79	71	66	63	70	66	63	70	66	63	69	65	63	62		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	697300
5°	672318
10°	591319
15°	463447
20°	321025
25°	197753
30°	110028
35°	58729
40°	29125
45°	14845
50°	8135
55°	5335
60°	2634
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.7	19.7
10°-20°	315.7	39.4
20°-30°	215.6	26.9
30°-40°	82.2	10.3
40°-50°	22.8	2.8
50°-60°	7.1	0.9
60°-70°	0.7	0.1
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°	689.0	85.9
0°-40°	771.2	96.2
0°-60°	801.2	99.9
0°-90°	801.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	801.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1800	
5°	1729	158
15°	1156	316
25°	463	216
35°	124	82
45°	27	23
55°	8	7
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1800.2
2.5°	1781.0
5°	1729.1
7.5°	1632.0
10°	1503.4
12.5°	1339.7
15°	1155.7
17.5°	967.3
20°	778.8
22.5°	611.7
25°	462.7
27.5°	339.7
30°	246.0
32.5°	174.9
35°	124.2
37.5°	86.9
40°	57.6
42.5°	38.4
45°	27.1
47.5°	19.2
50°	13.5
52.5°	10.2
55°	7.9
57.5°	5.6
60°	3.4
62.5°	1.1
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)