

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: P225297

Luminaire Tested: **LSR2B10FL409035D010 2LBDC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14835)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B10FL409035D010 2LBDC*MMS
Description: 1000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
CAST ROUND TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 860.6 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.59
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

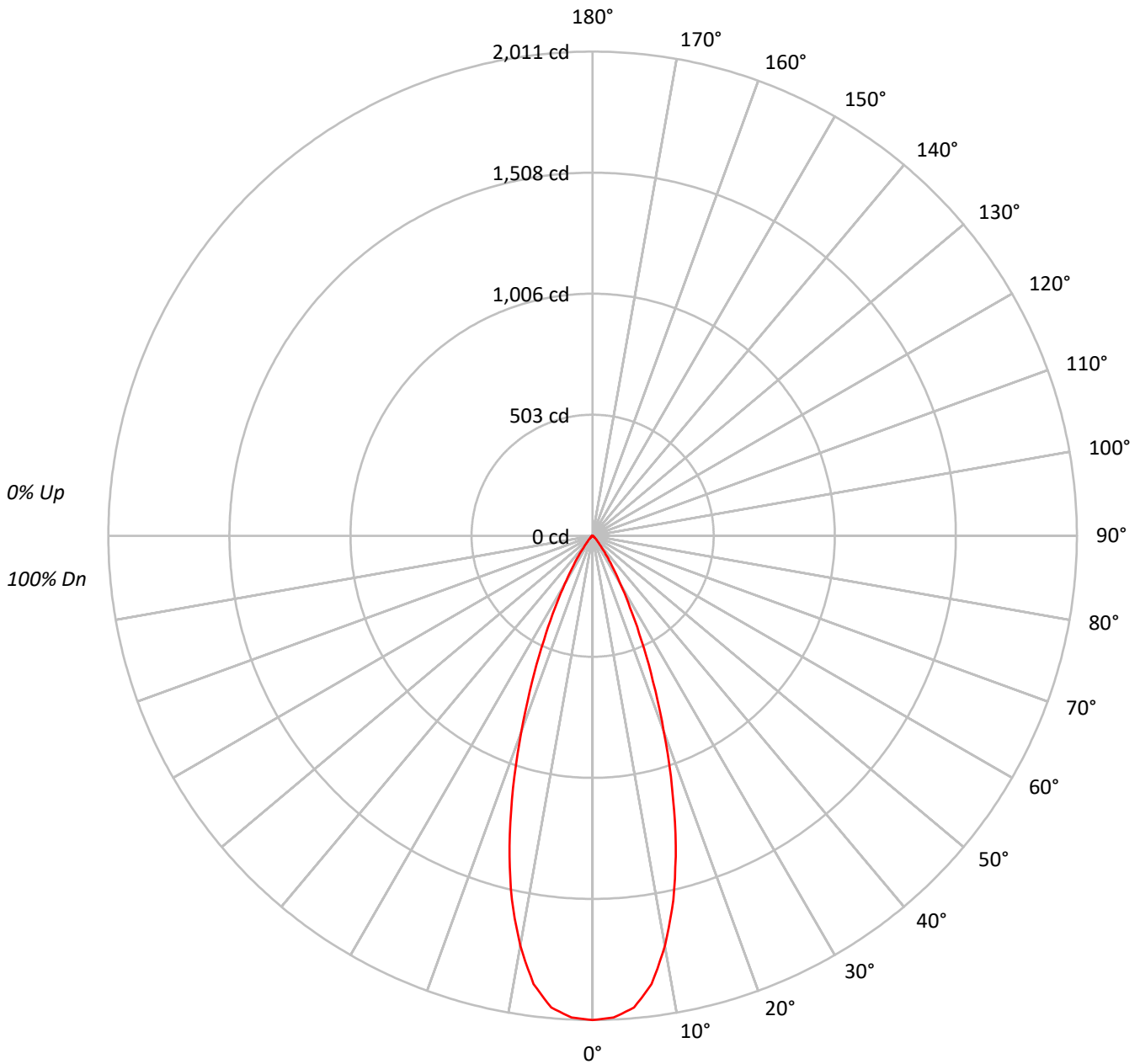
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	779108
5°	764898
10°	679974
15°	534787
20°	355857
25°	204292
30°	103185
35°	48563
40°	19518
45°	9696
50°	5303
55°	3714
60°	3409
65°	2016
70°	2492
75°	1646
80°	2454
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.2	20.9
10°-20°	361.2	42.0
20°-30°	224.7	26.1
30°-40°	69.1	8.0
40°-50°	15.2	1.8
50°-60°	5.4	0.6
60°-70°	2.7	0.3
70°-80°	1.6	0.2
80°-90°	0.4	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°	766.1	89.0
0°-40°	835.2	97.1
0°-60°	855.8	99.4
0°-90°	860.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	860.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2011	
5°	1967	180
15°	1334	361
25°	478	225
35°	103	69
45°	18	15
55°	6	5
65°	2	3
75°	1	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2011.4
2.5°	2002.6
5°	1967.2
7.5°	1877.8
10°	1728.8
12.5°	1550.0
15°	1333.6
17.5°	1097.3
20°	863.3
22.5°	654.6
25°	478.0
27.5°	336.7
30°	230.7
32.5°	155.7
35°	102.7
37.5°	61.8
40°	38.6
42.5°	26.5
45°	17.7
47.5°	12.1
50°	8.8
52.5°	7.7
55°	5.5
57.5°	4.4
60°	4.4
62.5°	3.3
65°	2.2
67.5°	2.2
70°	2.2
72.5°	2.2
75°	1.1
77.5°	1.1
80°	1.1
82.5°	1.1
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)