

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: P223447

Luminaire Tested: **LSR2B10NFL258030D010 2LBDC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P223447
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (155)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B10NFL258030D010 2LBDC*MMS
Description: 1000 Lumen, 2inch Portfolio LED Cylinder
NARROW FLOOD OPTIC
CAST ROUND TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1012.7 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.35
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

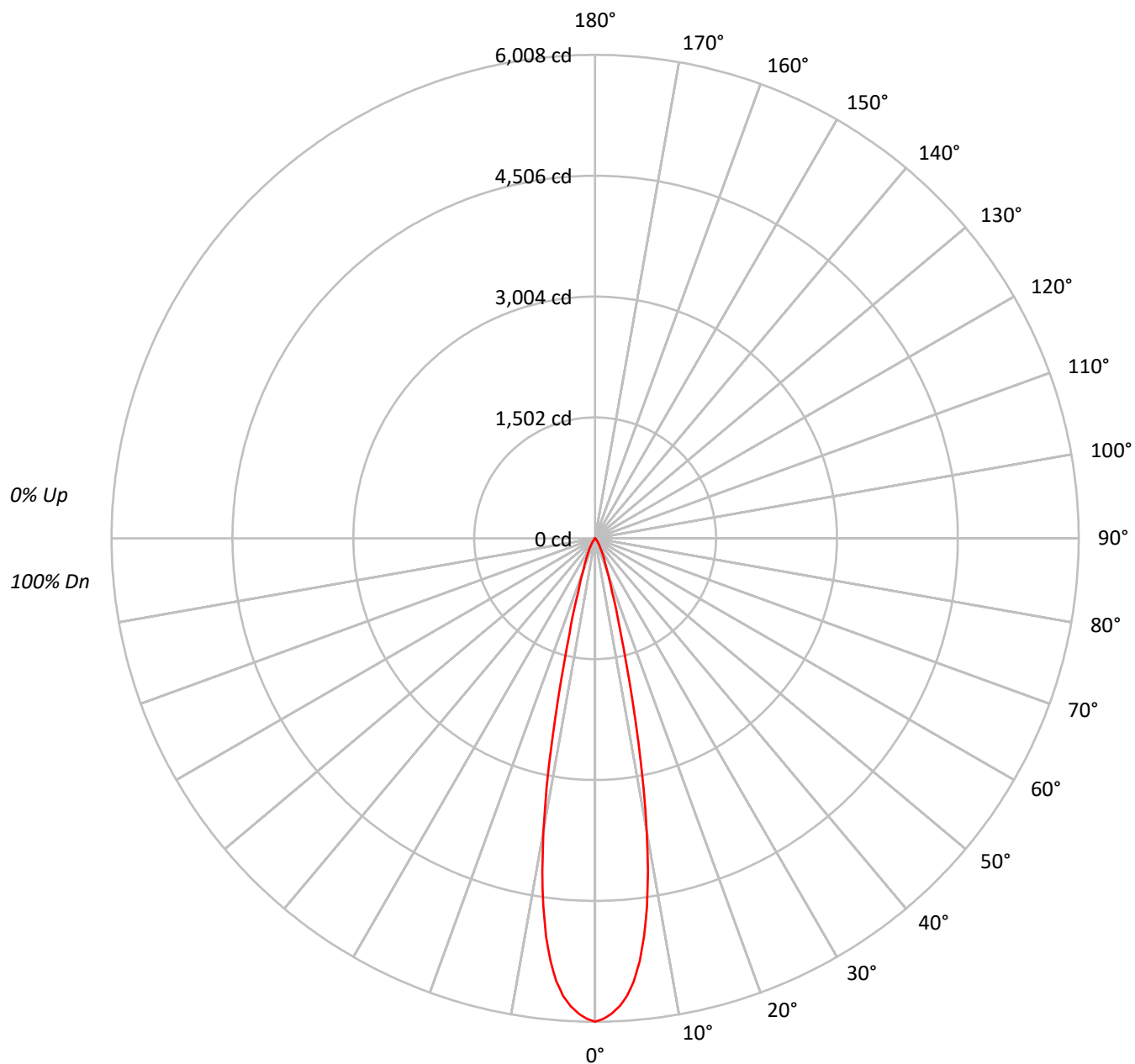
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10		50	30	10			50	30	10			50
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	115	113	112	110	113	111	110	108		107	106	105			104	103	102			100
2	112	109	106	104	110	107	104	102		104	102	100			101	99	98			98
3	109	105	101	99	107	103	100	98		101	98	96			99	97	95			96
4	106	101	97	95	104	100	97	94		98	95	93			96	94	92			95
5	103	98	94	91	102	97	94	91		95	92	90			94	91	89			93
6	101	95	91	89	99	94	91	88		93	90	88			92	89	87			91
7	98	92	89	86	97	92	88	86		91	88	85			90	87	85			89
8	96	90	86	84	95	90	86	84		89	86	83			88	85	83			87
9	94	88	84	82	93	88	84	82		87	84	82			86	83	81			85
10	92	86	82	80	91	86	82	80		85	82	80			84	82	80			84

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2327175
5°	2148728
10°	1454385
15°	494806
20°	181741
25°	96333
30°	49513
35°	23123
40°	7585
45°	3835
50°	1808
55°	675
60°	775
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	470.1	46.4
10°-20°	395.2	39.0
20°-30°	108.5	10.7
30°-40°	31.6	3.1
40°-50°	5.9	0.6
50°-60°	1.3	0.1
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°	973.8	96.2
0°-40°	1005.4	99.3
0°-60°	1012.6	100.0
0°-90°	1012.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1012.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6008	
5°	5526	470
15°	1234	395
25°	225	108
35°	49	32
45°	7	6
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6008.0
1°	5973.1
2°	5911.2
3°	5822.4
4°	5700.7
5°	5526.2
6°	5287.8
7°	4989.5
8°	4625.4
9°	4195.5
10°	3697.7
11°	3152.1
12°	2584.5
13°	2042.9
14°	1581.0
15°	1233.9
17.5°	696.3
20°	440.9
22.5°	314.2
25°	225.4
27.5°	159.6
30°	110.7
32.5°	77.8
35°	48.9
37.5°	20.0
40°	15.0
42.5°	11.0
45°	7.0
47.5°	4.0
50°	3.0
52.5°	2.0
55°	1.0
57.5°	1.0
60°	1.0
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



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



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— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)