

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: P224227

Luminaire Tested: **LSSQ2B10SP158027D010 2LBDLC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (150)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQ2B10SP158027D010 2LBDLC*MMS
Description: 1000 Lumen, 2inch Portfolio LED Cylinder
SPOT OPTIC
LENSED CAST ROUND TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 499.0 lumens
Efficiency: N/A
Efficacy: 48.4 lumens/watt
Spacing Criteria (0/90/45): 0.24 / 0.24 / 0.23
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

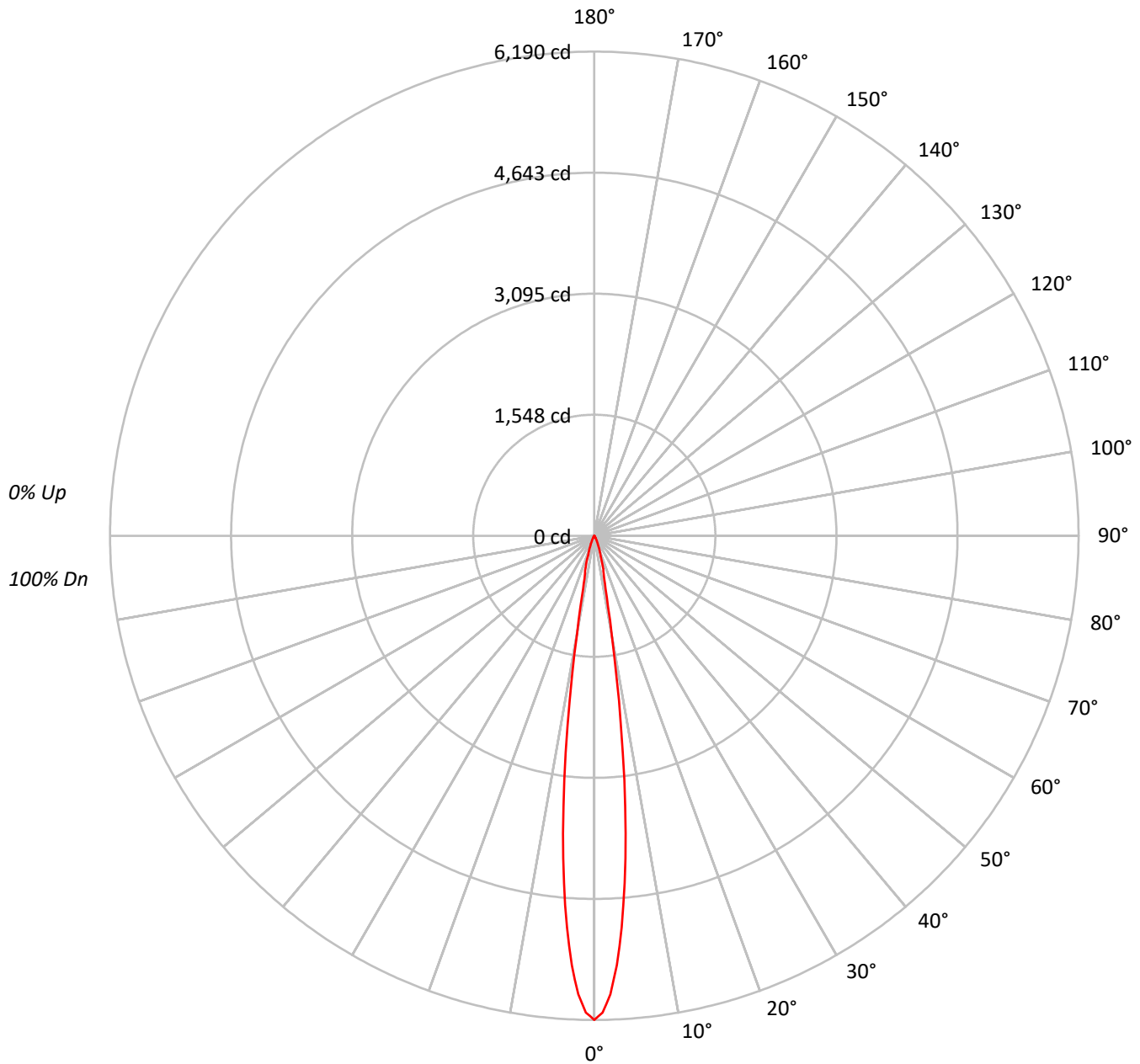
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P224227

CATALOG NUMBER: LSSQ2B10SP158027D010 2LBDLC*MMS

Luminous Intensity Polar Plot





TEST NUMBER: P224227

CATALOG NUMBER: LSSQ2B10SP158027D010 2LBDLC*MMS

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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98		
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	99	98	96		
3	110	106	103	101	108	105	102	100	102	100	98	100	98	97	98	97	96	94		
4	108	103	100	97	106	102	99	97	100	98	96	98	96	95	97	95	94	93		
5	105	101	97	95	104	100	97	94	98	96	94	97	95	93	95	94	92	91		
6	103	98	95	93	102	98	95	92	96	94	92	95	93	91	94	92	91	90		
7	101	96	93	91	100	96	93	90	95	92	90	94	91	90	93	91	89	88		
8	100	94	91	89	99	94	91	89	93	90	89	92	90	88	92	90	88	87		
9	98	93	90	88	97	92	89	87	92	89	87	91	89	87	90	88	87	86		
10	96	91	88	86	96	91	88	86	90	88	86	90	87	86	89	87	86	85		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2397788
5°	1733384
10°	504631
15°	177046
20°	75804
25°	34106
30°	13194
35°	6573
40°	4399
45°	2849
50°	1567
55°	1148
60°	697
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P224227

CATALOG NUMBER: LSSQ2B10SP158027D010 2LBDLC*MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.5	63.2
10°-20°	128.3	25.7
20°-30°	39.4	7.9
30°-40°	9.7	1.9
40°-50°	4.0	0.8
50°-60°	1.7	0.3
60°-70°	0.3	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°	483.2	96.8
0°-40°	492.9	98.8
0°-60°	498.7	99.9
0°-90°	499.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	499.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6190	
5°	4458	315
15°	442	128
25°	80	39
35°	14	10
45°	5	4
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P224227

CATALOG NUMBER: LSSQ2B10SP158027D010 2LBDLC*MMS

CANDELA DISTRIBUTION (FULL):

	0°
0°	6190.3
1°	6095.8
2°	5865.0
3°	5497.2
4°	5016.6
5°	4458.0
6°	3828.2
7°	3144.6
8°	2451.5
9°	1803.5
10°	1283.0
11°	919.5
12°	691.4
13°	563.0
14°	492.7
15°	441.5
17.5°	272.4
20°	183.9
22.5°	123.2
25°	79.8
27.5°	48.6
30°	29.5
32.5°	19.1
35°	13.9
37.5°	11.3
40°	8.7
42.5°	6.9
45°	5.2
47.5°	3.5
50°	2.6
52.5°	2.6
55°	1.7
57.5°	1.7
60°	0.9
62.5°	0.9
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



TEST NUMBER: P224227

CATALOG NUMBER: LSSQ2B10SP158027D010 2LBDLC*MMS

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)