

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: P224059

Luminaire Tested: **LSSQ2B10SP158040D010 2LBDLC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224059
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: LSSQ2B10SP158040D010 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: 535.0 lumens
Efficiency: N/A
Efficacy: 51.9 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

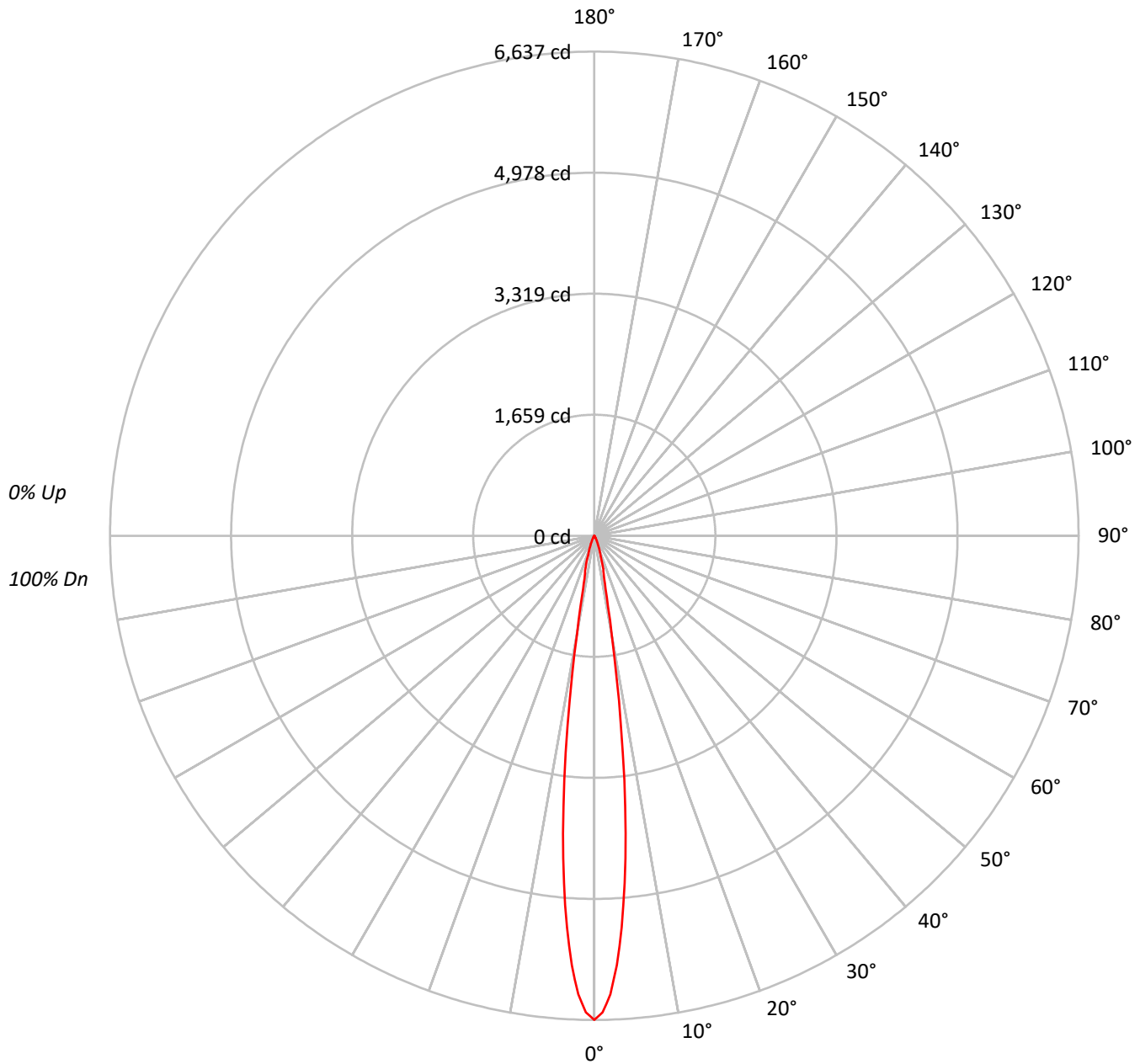
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P224059

CATALOG NUMBER: LSSQ2B10SP158040D010 2LBDLC*MMS

Luminous Intensity Polar Plot





TEST NUMBER: P224059

CATALOG NUMBER: LSSQ2B10SP158040D010 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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	116	114	112	111	113	112	110	109	108	107	106		104	103	103		101
2	113	110	107	105	111	108	106	104	105	103	102		102	101	100		100
3	110	106	103	101	108	105	102	100	102	100	98		100	98	97		98
4	108	103	100	97	106	102	99	97	100	98	96		98	96	95		97
5	105	101	97	95	104	100	97	94	98	96	94		97	95	93		95
6	103	98	95	93	102	98	95	92	96	94	92		95	93	91		94
7	101	96	93	91	100	96	93	90	95	92	90		94	91	90		93
8	100	94	91	89	99	94	91	89	93	90	89		92	90	88		92
9	98	93	90	88	97	92	89	87	92	89	87		91	89	87		90
10	96	91	88	86	96	91	88	86	90	88	86		90	87	86		89

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2570777
5°	1858431
10°	541053
15°	189838
20°	81287
25°	36584
30°	14134
35°	7046
40°	4702
45°	3068
50°	1687
55°	1283
60°	697
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P224059

CATALOG NUMBER: LSSQ2B10SP158040D010 2LBDLC*MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.2	63.2
10°-20°	137.6	25.7
20°-30°	42.2	7.9
30°-40°	10.4	1.9
40°-50°	4.3	0.8
50°-60°	1.9	0.4
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°	518.1	96.8
0°-40°	528.5	98.8
0°-60°	534.7	99.9
0°-90°	535.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	535.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6637	
5°	4780	338
15°	473	138
25°	86	42
35°	15	10
45°	6	4
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P224059

CATALOG NUMBER: LSSQ2B10SP158040D010 2LBDLC*MMS

CANDELA DISTRIBUTION (FULL):

	0°
0°	6636.9
1°	6535.5
2°	6288.1
3°	5893.8
4°	5378.5
5°	4779.6
6°	4104.4
7°	3371.5
8°	2628.4
9°	1933.6
10°	1375.6
11°	985.9
12°	741.3
13°	603.6
14°	528.3
15°	473.4
17.5°	292.0
20°	197.2
22.5°	132.1
25°	85.6
27.5°	52.1
30°	31.6
32.5°	20.5
35°	14.9
37.5°	12.1
40°	9.3
42.5°	7.4
45°	5.6
47.5°	3.7
50°	2.8
52.5°	2.8
55°	1.9
57.5°	1.9
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: P224059

CATALOG NUMBER: LSSQ2B10SP158040D010 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)