

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: P224182

Luminaire Tested: **LSR2B10SP158030D010 2LBDLC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224182
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: LSR2B10SP158030D010 2LBDLC*MW
Description: 1000 Lumen, 2inch Portfolio LED Cylinder
SPOT OPTIC
LENSED CAST ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 553.7 lumens
Efficiency: N/A
Efficacy: 53.8 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

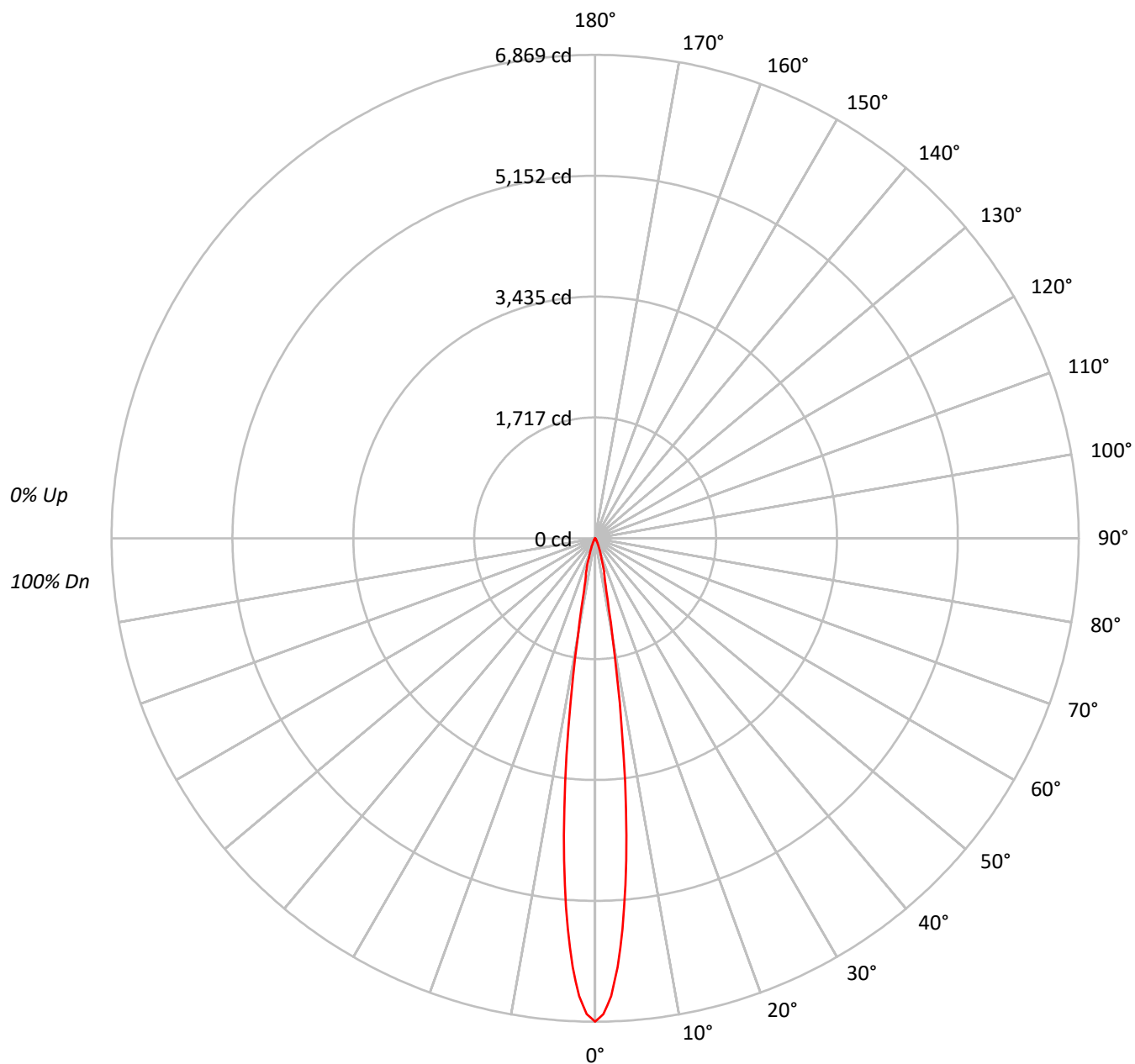
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P224182

CATALOG NUMBER: LSR2B10SP158030D010 2LBDLC*MW

Luminous Intensity Polar Plot





TEST NUMBER: P224182

CATALOG NUMBER: LSR2B10SP158030D010 2LBDLC*MW

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°	2660641
5°	1923404
10°	559932
15°	196455
20°	84131
25°	37867
30°	14626
35°	7282
40°	4854
45°	3177
50°	1748
55°	1283
60°	775
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P224182

CATALOG NUMBER: LSR2B10SP158030D010 2LBDLC*MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.0	63.2
10°-20°	142.4	25.7
20°-30°	43.7	7.9
30°-40°	10.8	1.9
40°-50°	4.5	0.8
50°-60°	1.9	0.3
60°-70°	0.4	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°	536.2	96.8
0°-40°	546.9	98.8
0°-60°	553.4	99.9
0°-90°	553.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	553.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6869	
5°	4947	350
15°	490	142
25°	89	44
35°	15	11
45°	6	5
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P224182

CATALOG NUMBER: LSR2B10SP158030D010 2LBDLC*MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	6868.9
1°	6764.0
2°	6507.9
3°	6099.8
4°	5566.5
5°	4946.7
6°	4247.8
7°	3489.3
8°	2720.2
9°	2001.2
10°	1423.6
11°	1020.3
12°	767.2
13°	624.7
14°	546.7
15°	489.9
17.5°	302.2
20°	204.1
22.5°	136.7
25°	88.6
27.5°	53.9
30°	32.7
32.5°	21.2
35°	15.4
37.5°	12.5
40°	9.6
42.5°	7.7
45°	5.8
47.5°	3.9
50°	2.9
52.5°	2.9
55°	1.9
57.5°	1.9
60°	1.0
62.5°	1.0
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



TEST NUMBER: P224182

CATALOG NUMBER: LSR2B10SP158030D010 2LBDLC*MW

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)