

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: P225039

Luminaire Tested: **LSRWM2B10FL408040D010 2LBD*WMH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225039
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14830)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSRWM2B10FL408040D010 2LBD*WMH
Description: 1000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
SPUN ROUND TRIM WITH WHEAT METALLIC HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1011.3 lumens
Efficiency: N/A
Efficacy: 98.2 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

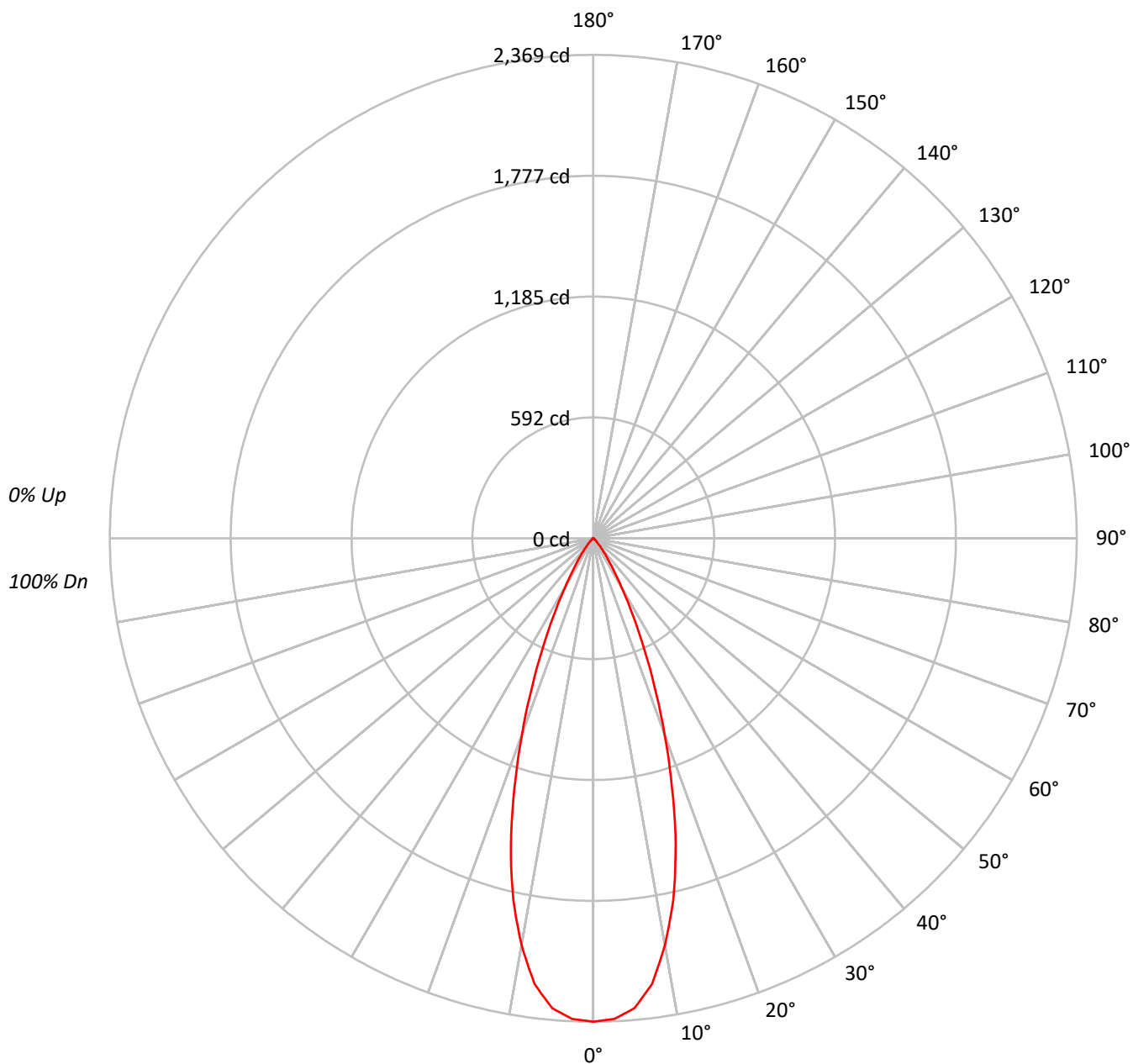
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P225039

CATALOG NUMBER: LSRWM2B10FL408040D010 2LBD*WMH

Luminous Intensity Polar Plot





TEST NUMBER: P225039

CATALOG NUMBER: LSRWM2B10FL408040D010 2LBD*WMH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10				0
RW	70	50	30	10	70	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	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91			
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	87			
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	88	86	84	83			
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79			
6	94	87	82	78	93	86	81	78	85	81	77	83	80	77	82	79	77	75			
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72			
8	87	79	75	71	86	79	74	71	78	74	71	77	73	71	76	73	70	69			
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	66			
10	81	73	69	65	80	73	68	65	72	68	65	72	68	65	71	67	65	64			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	917661
5°	898770
10°	796201
15°	625656
20°	420655
25°	244381
30°	122149
35°	57595
40°	27204
45°	11942
50°	6207
55°	3444
60°	2014
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P225039

CATALOG NUMBER: LSRWM2B10FL408040D010 2LBD*WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.5	20.9
10°-20°	423.2	41.8
20°-30°	267.5	26.5
30°-40°	83.7	8.3
40°-50°	19.4	1.9
50°-60°	5.1	0.5
60°-70°	0.9	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°	902.2	89.2
0°-40°	985.8	97.5
0°-60°	1010.4	99.9
0°-90°	1011.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1011.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2369	
5°	2312	211
15°	1560	423
25°	572	268
35°	122	84
45°	22	19
55°	5	5
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P225039

CATALOG NUMBER: LSRWM2B10FL408040D010 2LBD*WMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	2369.1
2.5°	2357.6
5°	2311.5
7.5°	2202.5
10°	2024.3
12.5°	1812.8
15°	1560.2
17.5°	1284.6
20°	1020.5
22.5°	776.9
25°	571.8
27.5°	403.8
30°	273.1
32.5°	182.0
35°	121.8
37.5°	82.0
40°	53.8
42.5°	33.3
45°	21.8
47.5°	15.4
50°	10.3
52.5°	7.7
55°	5.1
57.5°	3.8
60°	2.6
62.5°	2.6
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
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)