

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: P225346

Luminaire Tested: **LSSQWM2B10FL408027D010 2LBDC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225346
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14835)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQWM2B10FL408027D010 2LBDC*MW
Description: 1000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
CAST ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 876.6 lumens
Efficiency: N/A
Efficacy: 85.1 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

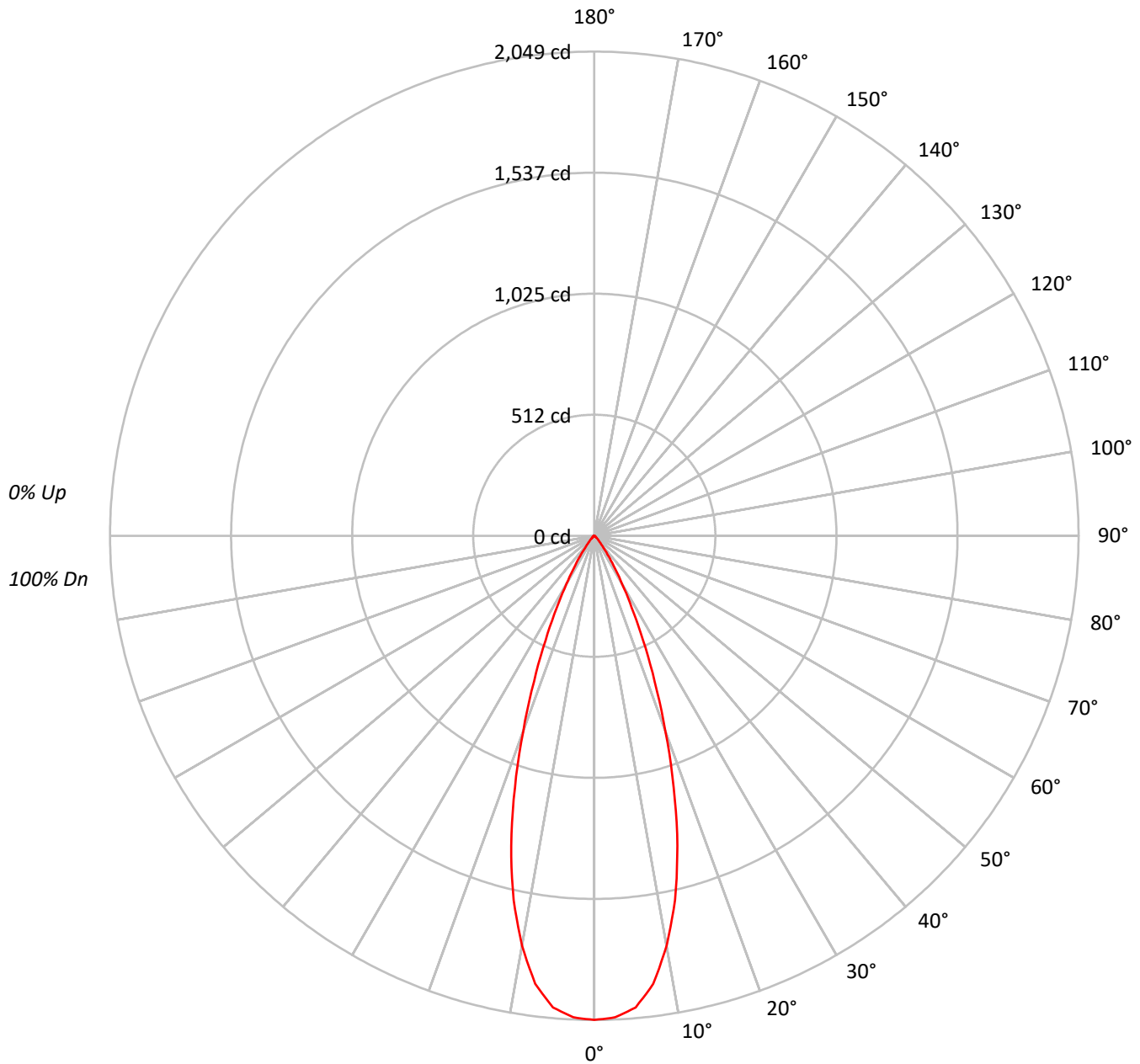
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P225346

CATALOG NUMBER: LSSQWM2B10FL408027D010 2LBDC*MW

Luminous Intensity Polar Plot





TEST NUMBER: P225346

CATALOG NUMBER: LSSQWM2B10FL408027D010 2LBDC*MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					0
RW	70	50	30	10		70	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			100
1	114	112	110	108		112	110	108	106		106	104	103			102	101	100			95
2	110	106	102	99		108	104	101	98		101	98	96			98	96	94			91
3	105	100	96	93		104	99	95	92		96	93	90			94	91	89			86
4	101	95	90	87		100	94	90	86		92	88	85			90	87	85			82
5	98	91	86	82		96	90	85	82		88	84	81			86	83	80			79
6	94	87	82	78		93	86	81	78		84	80	77			83	80	77			75
7	90	83	78	74		89	82	77	74		81	77	74			80	76	73			72
8	87	79	74	71		86	79	74	71		78	74	71			77	73	70			69
9	84	76	71	68		83	76	71	68		75	71	68			74	70	67			66
10	81	73	68	65		80	73	68	65		72	68	65			71	68	65			64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	793594
5°	779129
10°	692600
15°	544732
20°	362452
25°	208096
30°	105108
35°	49461
40°	19922
45°	9860
50°	5423
55°	3782
60°	3486
65°	2016
70°	2492
75°	1646
80°	2454
85°	0



TEST NUMBER: P225346

CATALOG NUMBER: LSSQWM2B10FL408027D010 2LBDC*MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.5	20.9
10°-20°	368.0	42.0
20°-30°	228.9	26.1
30°-40°	70.4	8.0
40°-50°	15.5	1.8
50°-60°	5.5	0.6
60°-70°	2.8	0.3
70°-80°	1.6	0.2
80°-90°	0.4	0.1
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°	780.4	89.0
0°-40°	850.8	97.1
0°-60°	871.8	99.5
0°-90°	876.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	876.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2049	
5°	2004	184
15°	1358	368
25°	487	229
35°	105	70
45°	18	15
55°	6	6
65°	2	3
75°	1	2
85°	0	0
90°	0	



TEST NUMBER: P225346

CATALOG NUMBER: LSSQWM2B10FL408027D010 2LBDC*MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	2048.8
2.5°	2039.8
5°	2003.8
7.5°	1912.7
10°	1760.9
12.5°	1578.8
15°	1358.4
17.5°	1117.7
20°	879.3
22.5°	666.8
25°	486.9
27.5°	343.0
30°	235.0
32.5°	158.6
35°	104.6
37.5°	63.0
40°	39.4
42.5°	27.0
45°	18.0
47.5°	12.4
50°	9.0
52.5°	7.9
55°	5.6
57.5°	4.5
60°	4.5
62.5°	3.4
65°	2.2
67.5°	2.2
70°	2.2
72.5°	2.2
75°	1.1
77.5°	1.1
80°	1.1
82.5°	1.1
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)