

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: P225365

Luminaire Tested: **LSR2WM2B20FL408030D010 2LBDC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225365
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: LSR2WM2B20FL408030D010 2LBDC*MW
Description: 2000 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: 1623.2 lumens
Efficiency: N/A
Efficacy: 77.7 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

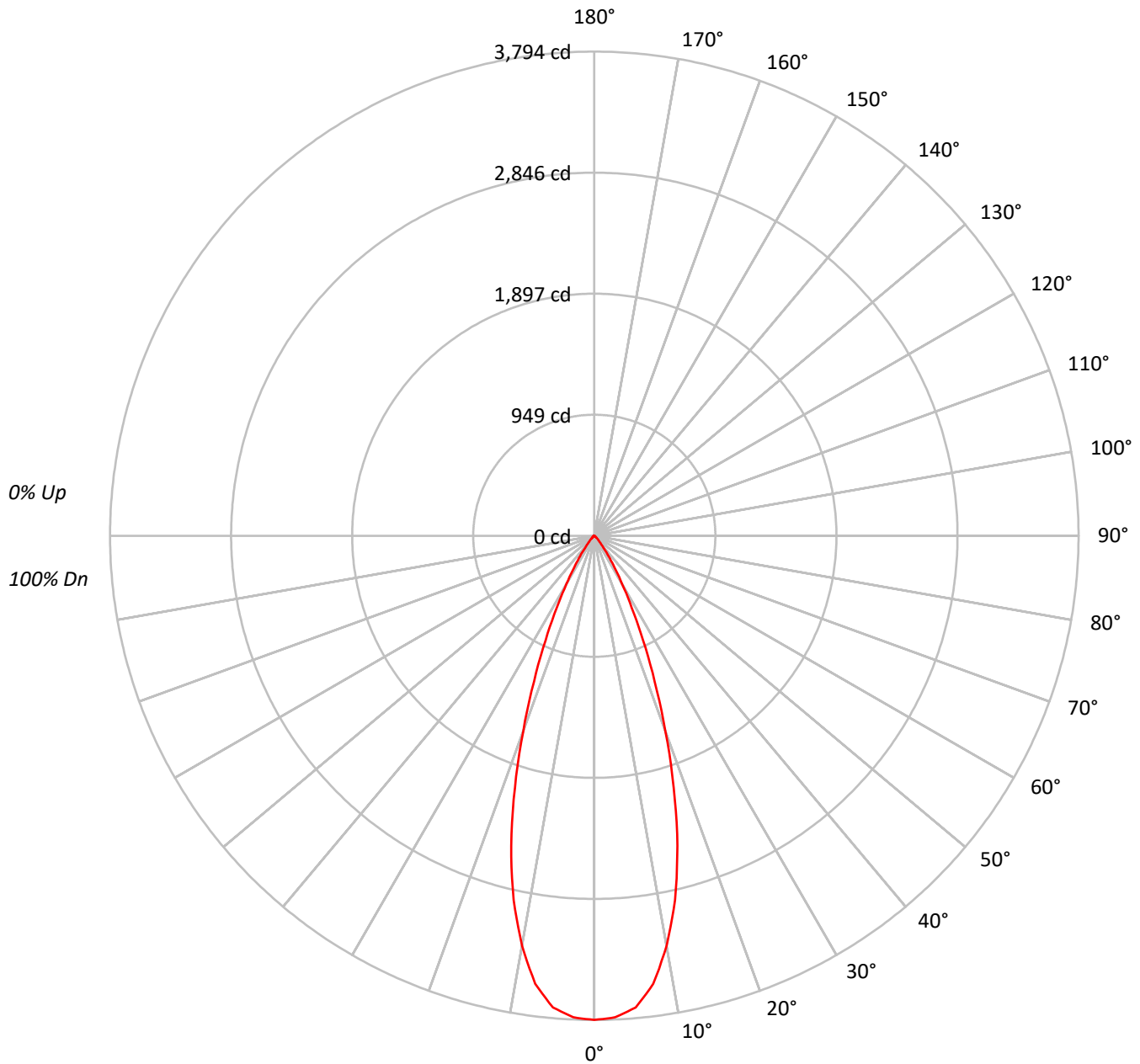
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P225365

CATALOG NUMBER: LSR2WM2B20FL408030D010 2LBDC*MW

Luminous Intensity Polar Plot





TEST NUMBER: P225365

CATALOG NUMBER: LSR2WM2B20FL408030D010 2LBDC*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	114	112	110	108		112	110	108	106		106	104	103			102	101	100			99
2	110	106	102	99		108	104	101	98		101	98	96			98	96	94			95
3	105	100	96	93		104	99	95	92		96	93	90			94	91	89			92
4	101	95	90	87		100	94	90	86		92	88	85			90	87	85			88
5	98	91	86	82		96	90	85	82		88	84	81			86	83	80			85
6	94	86	82	78		93	86	81	78		84	80	77			83	79	77			82
7	90	83	78	74		89	82	77	74		81	77	74			80	76	73			79
8	87	79	74	71		86	79	74	71		78	74	71			77	73	70			76
9	84	76	71	68		83	76	71	68		75	71	68			74	70	67			73
10	81	73	68	65		80	73	68	65		72	68	65			71	68	65			71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1469513
5°	1442737
10°	1282503
15°	1008661
20°	671193
25°	385334
30°	194651
35°	91546
40°	36861
45°	18241
50°	10063
55°	7023
60°	6430
65°	3849
70°	4757
75°	3143
80°	4684
85°	0



TEST NUMBER: P225365

CATALOG NUMBER: LSR2WM2B20FL408030D010 2LBDC*MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.8	20.9
10°-20°	681.3	42.0
20°-30°	423.9	26.1
30°-40°	130.3	8.0
40°-50°	28.6	1.8
50°-60°	10.2	0.6
60°-70°	5.1	0.3
70°-80°	3.0	0.2
80°-90°	0.9	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°	1445.0	89.0
0°-40°	1575.4	97.1
0°-60°	1614.2	99.4
0°-90°	1623.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1623.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3794	
5°	3710	340
15°	2515	681
25°	902	424
35°	194	130
45°	33	29
55°	10	10
65°	4	5
75°	2	3
85°	0	1
90°	0	



TEST NUMBER: P225365

CATALOG NUMBER: LSR2WM2B20FL408030D010 2LBDC*MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	3793.8
2.5°	3777.1
5°	3710.5
7.5°	3541.8
10°	3260.7
12.5°	2923.4
15°	2515.3
17.5°	2069.7
20°	1628.3
22.5°	1234.7
25°	901.6
27.5°	635.1
30°	435.2
32.5°	293.6
35°	193.6
37.5°	116.6
40°	72.9
42.5°	50.0
45°	33.3
47.5°	22.9
50°	16.7
52.5°	14.6
55°	10.4
57.5°	8.3
60°	8.3
62.5°	6.2
65°	4.2
67.5°	4.2
70°	4.2
72.5°	4.2
75°	2.1
77.5°	2.1
80°	2.1
82.5°	2.1
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)