

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: P225319

Luminaire Tested: **LSR2WM2B20FL409035D010 2LBDC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225319
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: LSR2WM2B20FL409035D010 2LBDC*MMS
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
CAST ROUND TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1562.5 lumens
Efficiency: N/A
Efficacy: 74.8 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

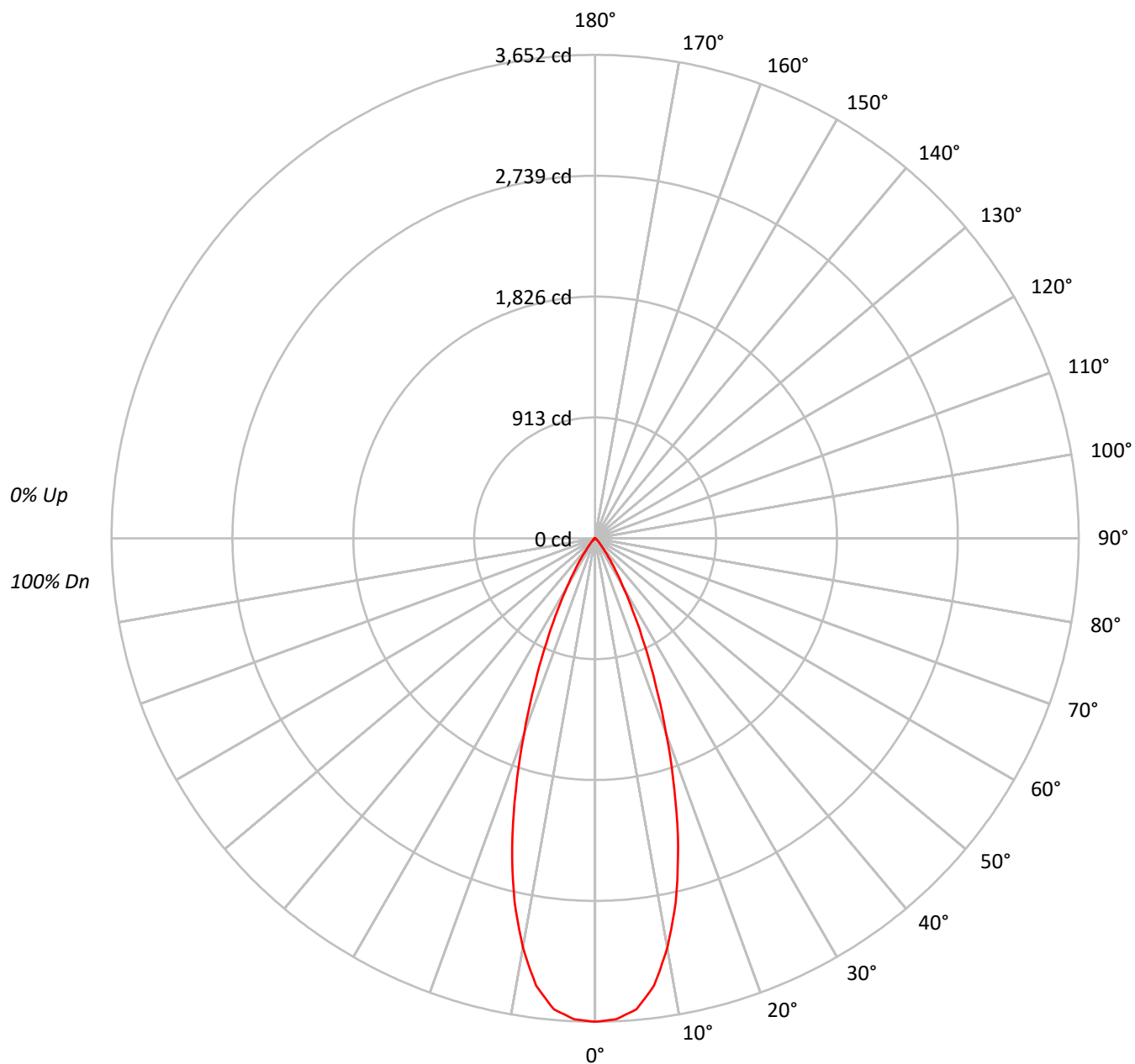
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P225319

CATALOG NUMBER: LSR2WM2B20FL409035D010 2LBDC*MMS

Luminous Intensity Polar Plot





TEST NUMBER: P225319

CATALOG NUMBER: LSR2WM2B20FL409035D010 2LBDC*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			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°	1414626
5°	1388885
10°	1234636
15°	971006
20°	646131
25°	370931
30°	187361
35°	88142
40°	35496
45°	17584
50°	9642
55°	6753
60°	6198
65°	3666
70°	4530
75°	2993
80°	4461
85°	0



TEST NUMBER: P225319

CATALOG NUMBER: LSR2WM2B20FL409035D010 2LBDC*MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.1	20.9
10°-20°	655.9	42.0
20°-30°	408.0	26.1
30°-40°	125.4	8.0
40°-50°	27.6	1.8
50°-60°	9.8	0.6
60°-70°	4.9	0.3
70°-80°	2.9	0.2
80°-90°	0.8	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°	1391.1	89.0
0°-40°	1516.5	97.1
0°-60°	1553.9	99.4
0°-90°	1562.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1562.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3652	
5°	3572	327
15°	2421	656
25°	868	408
35°	186	125
45°	32	28
55°	10	10
65°	4	5
75°	2	3
85°	0	1
90°	0	



TEST NUMBER: P225319

CATALOG NUMBER: LSR2WM2B20FL409035D010 2LBDC*MMS

CANDELA DISTRIBUTION (FULL):

	0°
0°	3652.1
2.5°	3636.1
5°	3572.0
7.5°	3409.6
10°	3139.0
12.5°	2814.3
15°	2421.4
17.5°	1992.4
20°	1567.5
22.5°	1188.6
25°	867.9
27.5°	611.4
30°	418.9
32.5°	282.6
35°	186.4
37.5°	112.2
40°	70.2
42.5°	48.1
45°	32.1
47.5°	22.0
50°	16.0
52.5°	14.0
55°	10.0
57.5°	8.0
60°	8.0
62.5°	6.0
65°	4.0
67.5°	4.0
70°	4.0
72.5°	4.0
75°	2.0
77.5°	2.0
80°	2.0
82.5°	2.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)