

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: P#

Luminaire Tested: **LSR2WM2B20FL409040D010 2LBD*LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29152)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2WM2B20FL409040D010 2LBD*LI
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
SPUN ROUND TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1598.9 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.58
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

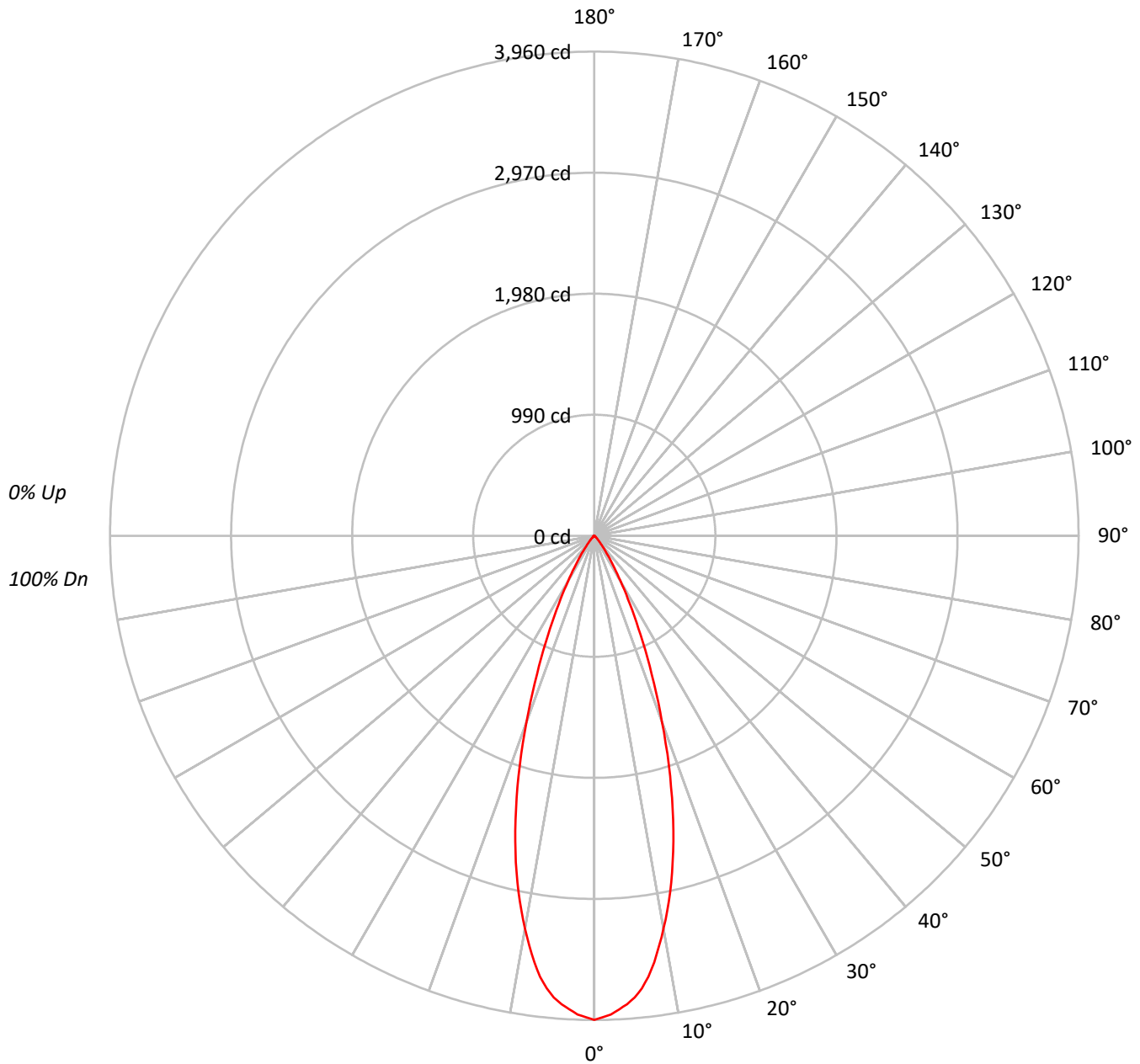
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20FL409040D010 2LBD*LI

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20FL409040D010 2LBD*LI

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	105	103		102	101	100		99
2	110	106	103	100	108	104	101	99	101	99	97		98	96	95		96
3	106	101	96	93	104	99	95	92	97	94	91		94	92	90		92
4	102	96	91	88	100	95	90	87	93	89	86		91	88	85		89
5	98	91	86	83	97	90	86	83	89	85	82		87	84	81		86
6	94	87	82	79	93	86	82	79	85	81	78		84	80	78		83
7	91	83	79	75	90	83	78	75	82	78	75		81	77	74		80
8	88	80	75	72	87	80	75	72	79	74	71		78	74	71		77
9	85	77	72	69	84	76	72	69	76	71	69		75	71	68		74
10	82	74	69	66	81	74	69	66	73	69	66		72	68	66		72

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1533774
5°	1473882
10°	1283054
15°	1001884
20°	666288
25°	381530
30°	189687
35°	87196
40°	34940
45°	15995
50°	7412
55°	4119
60°	2402
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20FL409040D010 2LBD*LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.0	21.6
10°-20°	677.5	42.4
20°-30°	419.3	26.2
30°-40°	125.5	7.8
40°-50°	25.1	1.6
50°-60°	6.1	0.4
60°-70°	0.4	0.0
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°	1441.8	90.2
0°-40°	1567.2	98.0
0°-60°	1598.5	100.0
0°-90°	1598.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1598.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3960	
5°	3791	345
15°	2498	677
25°	893	419
35°	184	125
45°	29	25
55°	6	6
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSR2WM2B20FL409040D010 2LBD*LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	3959.7
1°	3938.2
2°	3918.2
3°	3878.2
4°	3841.3
5°	3790.6
6°	3721.5
7°	3633.9
8°	3521.7
9°	3394.2
10°	3262.1
11°	3125.3
12°	2979.3
13°	2827.2
14°	2664.4
15°	2498.4
17.5°	2060.5
20°	1616.4
22.5°	1223.1
25°	892.7
27.5°	626.9
30°	424.1
32.5°	279.7
35°	184.4
37.5°	115.2
40°	69.1
42.5°	44.6
45°	29.2
47.5°	18.4
50°	12.3
52.5°	9.2
55°	6.1
57.5°	4.6
60°	3.1
62.5°	0.0
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: P#

CATALOG NUMBER: LSR2WM2B20FL409040D010 2LBD*LI

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)