

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: P224642

Luminaire Tested: **LSR2B20FL408050D010 2LBDLC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224642
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14836)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B20FL408050D010 2LBDLC*MMS
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
LENSED CAST ROUND TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1800.0 lumens
Efficiency: N/A
Efficacy: 86.1 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

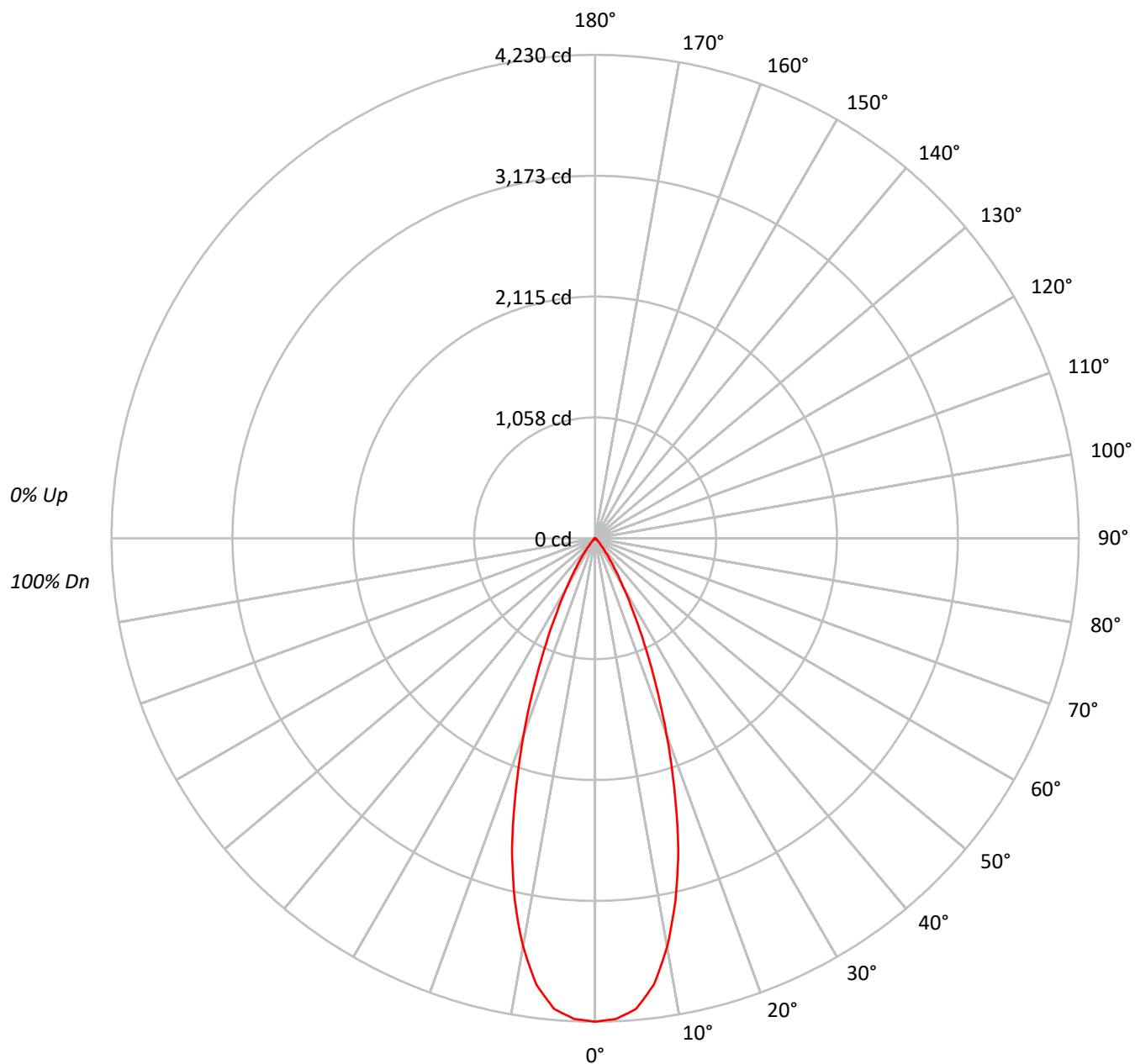
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P224642

CATALOG NUMBER: LSR2B20FL408050D010 2LBDLC*MMS

Luminous Intensity Polar Plot





TEST NUMBER: P224642

CATALOG NUMBER: LSR2B20FL408050D010 2LBDLC*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		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	100	108	104	101	99	101	99	96		98	96	94		95
3	106	100	96	93	104	99	95	92	97	93	91		94	92	89		92
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		89
5	98	91	86	83	96	90	86	82	88	85	82		87	83	81		85
6	94	87	82	78	93	86	82	78	85	81	78		83	80	77		82
7	91	83	78	75	89	82	78	75	81	77	74		80	77	74		79
8	87	80	75	71	86	79	75	71	78	74	71		77	73	71		76
9	84	76	72	68	83	76	71	68	75	71	68		74	71	68		74
10	81	74	69	66	81	73	69	66	72	68	65		72	68	65		71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1638474
5°	1607016
10°	1427481
15°	1126518
20°	751367
25°	432475
30°	219072
35°	102706
40°	42070
45°	19008
50°	9762
55°	6213
60°	3564
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P224642

CATALOG NUMBER: LSR2B20FL408050D010 2LBDLC*MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.3	21.0
10°-20°	759.1	42.2
20°-30°	475.5	26.4
30°-40°	147.2	8.2
40°-50°	30.4	1.7
50°-60°	8.5	0.5
60°-70°	1.1	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°	1612.9	89.6
0°-40°	1760.0	97.8
0°-60°	1798.9	99.9
0°-90°	1800.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1800.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4230	
5°	4133	378
15°	2809	759
25°	1012	475
35°	217	147
45°	35	30
55°	9	8
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P224642

CATALOG NUMBER: LSR2B20FL408050D010 2LBDLC*MMS

CANDELA DISTRIBUTION (FULL):

0°	
0°	4230.0
2.5°	4209.2
5°	4133.0
7.5°	3938.9
10°	3629.3
12.5°	3248.2
15°	2809.2
17.5°	2303.3
20°	1822.8
22.5°	1386.1
25°	1011.9
27.5°	711.5
30°	489.8
32.5°	328.1
35°	217.2
37.5°	136.3
40°	83.2
42.5°	53.1
45°	34.7
47.5°	23.1
50°	16.2
52.5°	11.6
55°	9.2
57.5°	6.9
60°	4.6
62.5°	2.3
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)