

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: P224640

Luminaire Tested: **LSR2B20FL408035D010 2LBDLC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224640
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: LSR2B20FL408035D010 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: 1739.4 lumens
Efficiency: N/A
Efficacy: 83.2 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

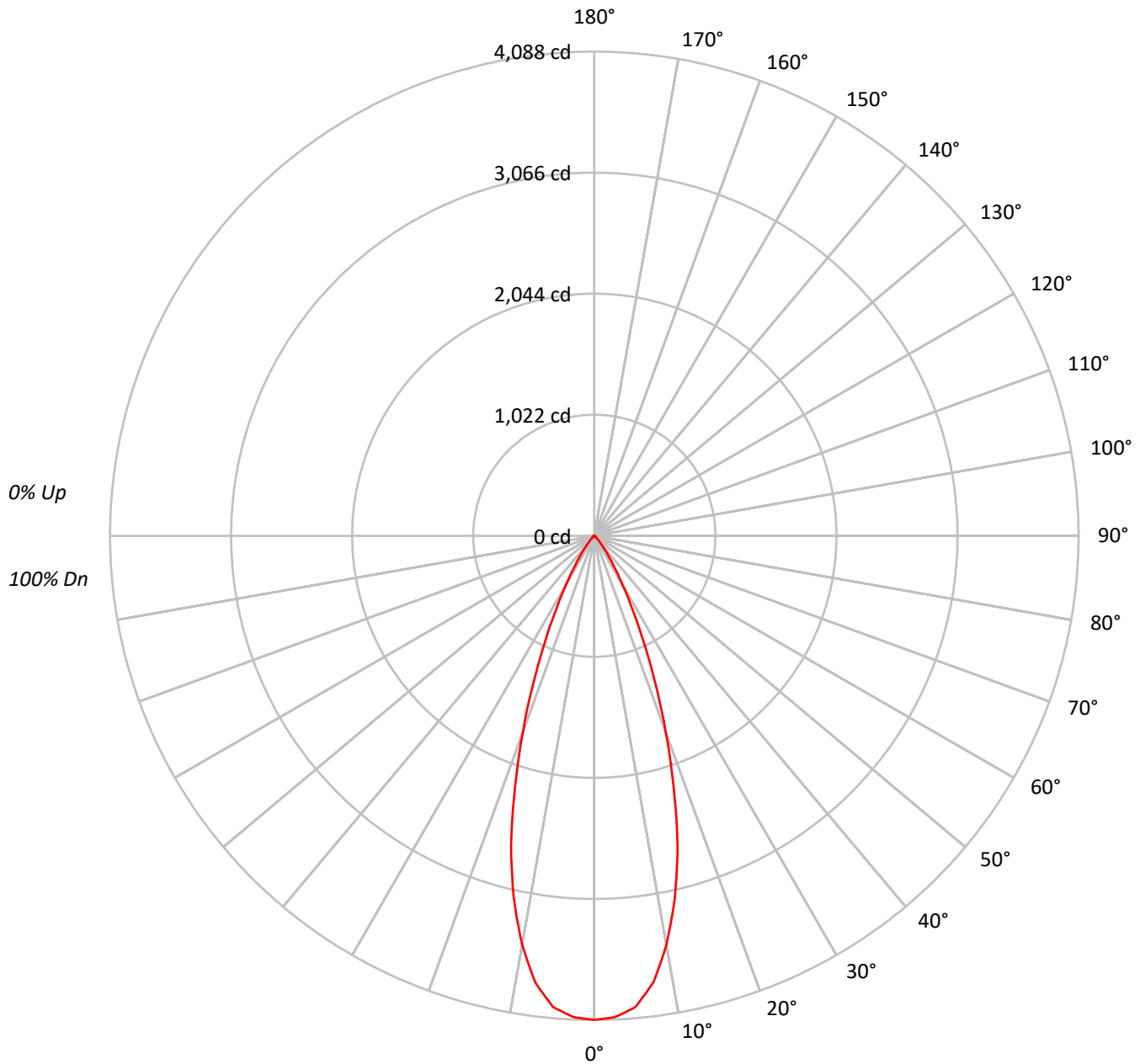
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P224640

CATALOG NUMBER: LSR2B20FL408035D010 2LBDLC*MMS

Luminous Intensity Polar Plot





TEST NUMBER: P224640

CATALOG NUMBER: LSR2B20FL408035D010 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°	1583315
5°	1552892
10°	1379457
15°	1088582
20°	726058
25°	417901
30°	211692
35°	99206
40°	40654
45°	18351
50°	9401
55°	6010
60°	3486
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P224640

CATALOG NUMBER: LSR2B20FL408035D010 2LBDLC*MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.5	21.0
10°-20°	733.6	42.2
20°-30°	459.5	26.4
30°-40°	142.2	8.2
40°-50°	29.4	1.7
50°-60°	8.2	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°	1558.6	89.6
0°-40°	1700.8	97.8
0°-60°	1738.3	99.9
0°-90°	1739.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1739.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4088	
5°	3994	366
15°	2715	734
25°	978	459
35°	210	142
45°	34	29
55°	9	8
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P224640

CATALOG NUMBER: LSR2B20FL408035D010 2LBDLC*MMS

CANDELA DISTRIBUTION (FULL):

0°	
0°	4087.6
2.5°	4067.5
5°	3993.8
7.5°	3806.3
10°	3507.2
12.5°	3138.8
15°	2714.6
17.5°	2225.7
20°	1761.4
22.5°	1339.5
25°	977.8
27.5°	687.6
30°	473.3
32.5°	317.0
35°	209.8
37.5°	131.7
40°	80.4
42.5°	51.3
45°	33.5
47.5°	22.3
50°	15.6
52.5°	11.2
55°	8.9
57.5°	6.7
60°	4.5
62.5°	2.2
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)