

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: P225523

Luminaire Tested: **LSR2B20FL408030D010 2LBDL*H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225523
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14832)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B20FL408030D010 2LBDL*H
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1741.9 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.6
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

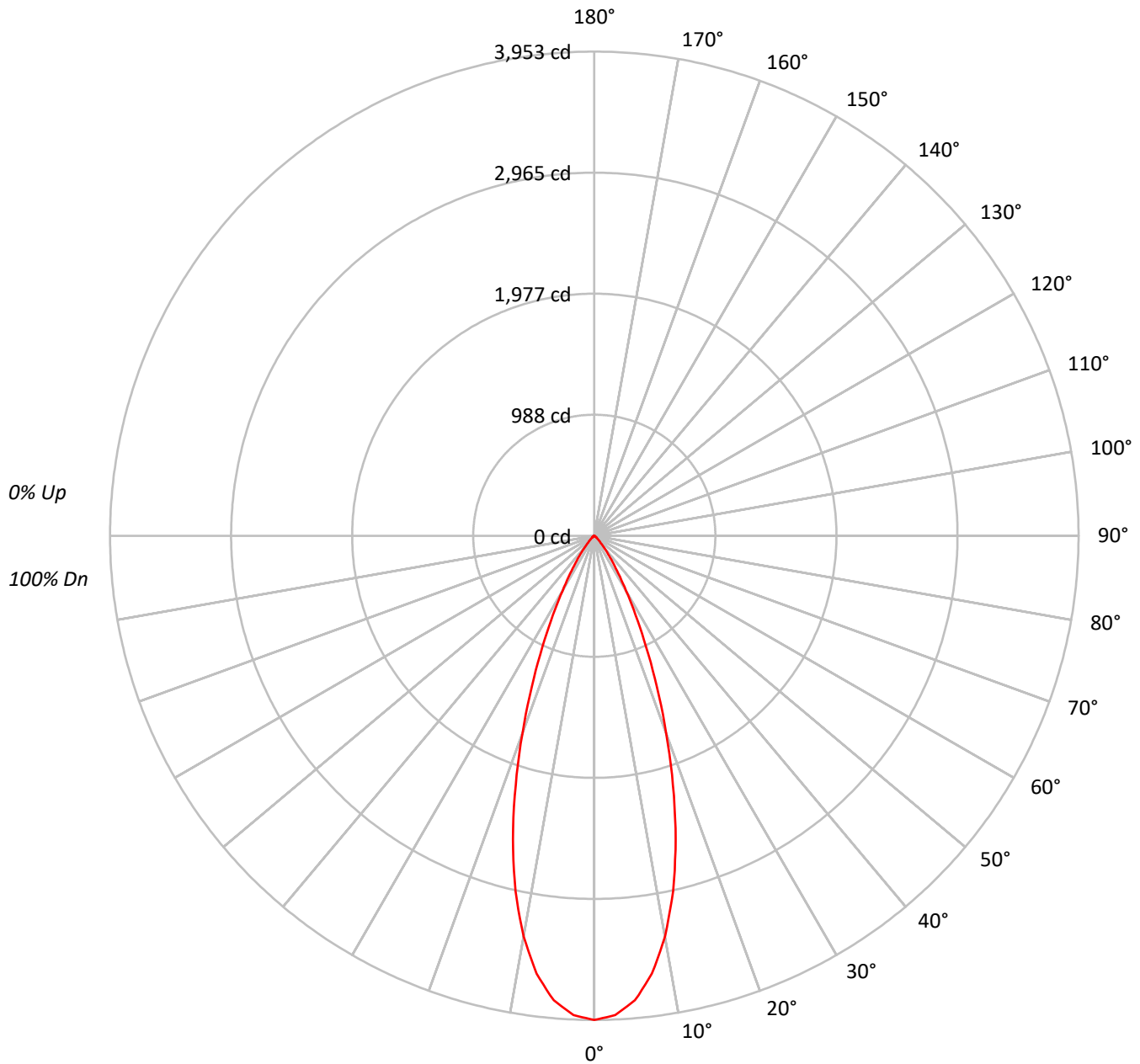
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P225523

CATALOG NUMBER: LSR2B20FL408030D010 2LBDL*H

Luminous Intensity Polar Plot





TEST NUMBER: P225523

CATALOG NUMBER: LSR2B20FL408030D010 2LBDL*H

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	105	102	99	108	104	101	98	101	98	96		98	96	94		95
3	105	100	96	92	103	98	95	91	96	93	90		94	91	89		91
4	101	95	90	86	99	94	89	86	91	88	85		90	86	84		88
5	97	90	85	81	96	89	84	81	87	83	80		86	82	80		84
6	93	86	81	77	92	85	80	77	84	79	76		82	79	76		81
7	90	82	77	73	88	81	76	73	80	76	73		79	75	72		78
8	86	78	73	70	85	78	73	70	77	72	69		76	72	69		75
9	83	75	70	67	82	75	70	67	74	69	66		73	69	66		72
10	80	72	67	64	79	72	67	64	71	67	64		70	66	64		70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1531217
5°	1480220
10°	1306063
15°	1028952
20°	707096
25°	426962
30°	231462
35°	118972
40°	58149
45°	27554
50°	14462
55°	9725
60°	5578
65°	2200
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P225523

CATALOG NUMBER: LSR2B20FL408030D010 2LBDL*H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.8	20.0
10°-20°	698.5	40.1
20°-30°	466.7	26.8
30°-40°	169.0	9.7
40°-50°	43.6	2.5
50°-60°	13.0	0.7
60°-70°	3.2	0.2
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°	1513.0	86.9
0°-40°	1682.0	96.6
0°-60°	1738.7	99.8
0°-90°	1741.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1741.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3953	
5°	3807	348
15°	2566	699
25°	999	467
35°	252	169
45°	50	44
55°	14	13
65°	2	3
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P225523

CATALOG NUMBER: LSR2B20FL408030D010 2LBDL*H

CANDELA DISTRIBUTION (FULL):

	0°
0°	3953.1
2.5°	3917.1
5°	3806.9
7.5°	3605.7
10°	3320.6
12.5°	2970.8
15°	2565.9
17.5°	2134.7
20°	1715.4
22.5°	1329.7
25°	999.0
27.5°	728.3
30°	517.5
32.5°	364.2
35°	251.6
37.5°	174.9
40°	115.0
42.5°	74.3
45°	50.3
47.5°	35.9
50°	24.0
52.5°	19.2
55°	14.4
57.5°	9.6
60°	7.2
62.5°	4.8
65°	2.4
67.5°	2.4
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)