

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: **LSSQ2B20FL409030D010 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: LSSQ2B20FL409030D010 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: 1506.9 lumens
Efficiency: N/A
Efficacy: 72.1 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

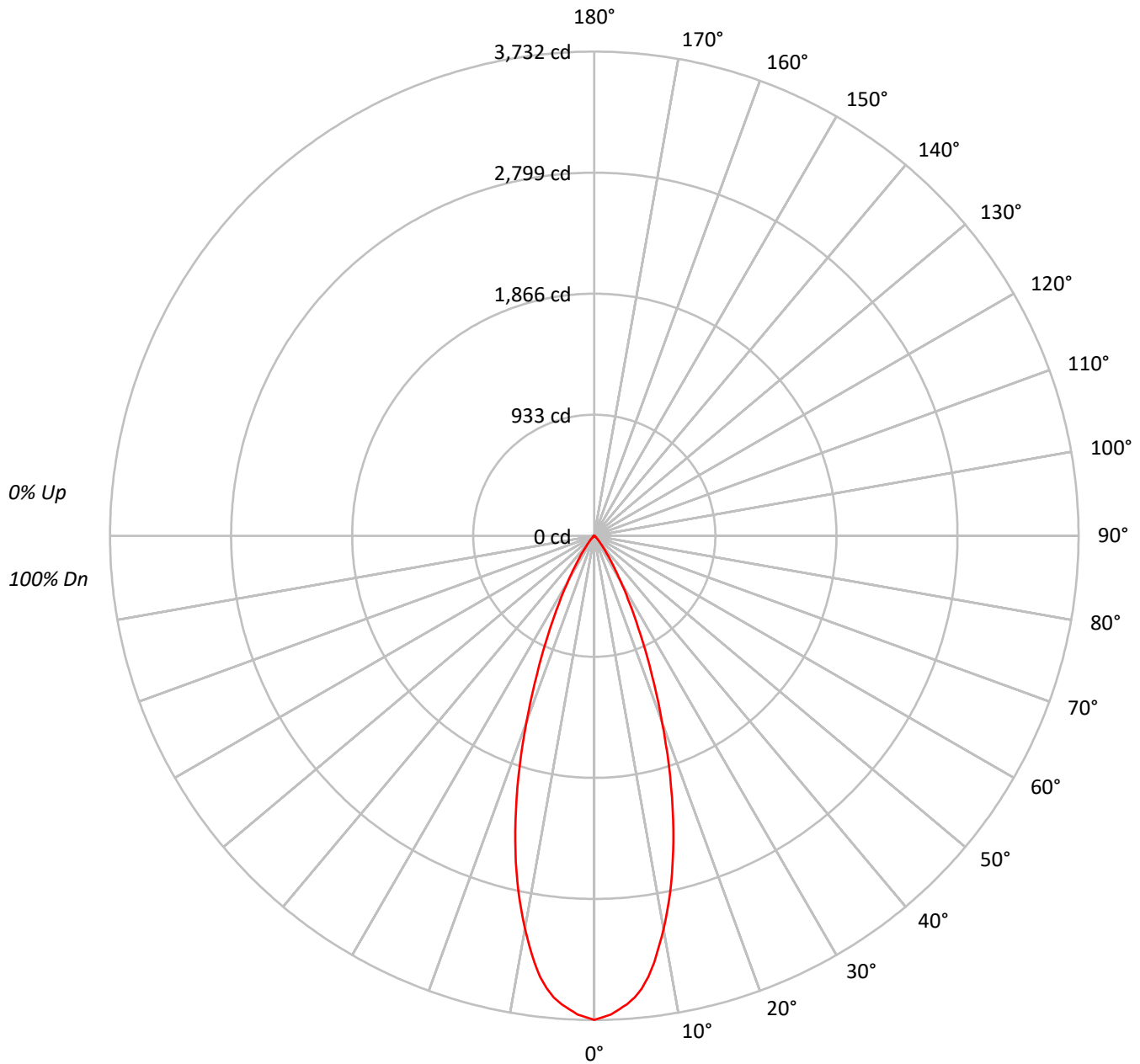
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B20FL409030D010 2LBD*LI

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B20FL409030D010 2LBD*LI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20							
RC	80				70				50				30				10				0			
RW	70	50	30	10	70	50	30	10	50	30	10	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	102	102	102	100						
1	114	112	110	108	112	110	108	106	106	105	103	102	101	100	99	98	97	96						
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91						
3	106	101	96	93	104	99	95	92	97	94	91	94	92	90	92	90	88	87						
4	102	96	91	88	100	95	90	87	93	89	86	91	88	85	89	86	84	83						
5	98	91	86	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79						
6	94	87	82	79	93	86	82	79	85	81	78	84	80	78	83	79	77	76						
7	91	83	79	75	90	83	78	75	82	78	75	81	77	74	80	76	74	73						
8	88	80	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	70						
9	85	77	72	69	84	76	72	69	76	71	69	75	71	68	74	71	68	67						
10	82	74	69	66	81	74	69	66	73	69	66	72	68	66	72	68	66	65						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1445498
5°	1389079
10°	1209227
15°	944258
20°	627953
25°	359605
30°	178773
35°	82183
40°	32968
45°	15064
50°	6990
55°	3917
60°	2247
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B20FL409030D010 2LBD*LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.2	21.6
10°-20°	638.5	42.4
20°-30°	395.2	26.2
30°-40°	118.3	7.8
40°-50°	23.7	1.6
50°-60°	5.8	0.4
60°-70°	0.3	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°	1358.8	90.2
0°-40°	1477.1	98.0
0°-60°	1506.6	100.0
0°-90°	1506.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1506.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3732	
5°	3572	325
15°	2355	639
25°	841	395
35°	174	118
45°	28	24
55°	6	6
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B20FL409030D010 2LBD*LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	3731.8
1°	3711.6
2°	3692.7
3°	3655.1
4°	3620.3
5°	3572.5
6°	3507.4
7°	3424.8
8°	3319.1
9°	3198.9
10°	3074.4
11°	2945.5
12°	2807.9
13°	2664.6
14°	2511.1
15°	2354.7
17.5°	1941.9
20°	1523.4
22.5°	1152.7
25°	841.4
27.5°	590.8
30°	399.7
32.5°	263.6
35°	173.8
37.5°	108.6
40°	65.2
42.5°	42.0
45°	27.5
47.5°	17.4
50°	11.6
52.5°	8.7
55°	5.8
57.5°	4.3
60°	2.9
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: LSSQ2B20FL409030D010 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)