

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: **LSSQ2B20FL409727D010 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: LSSQ2B20FL409727D010 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: 1301.0 lumens
Efficiency: N/A
Efficacy: 62.3 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

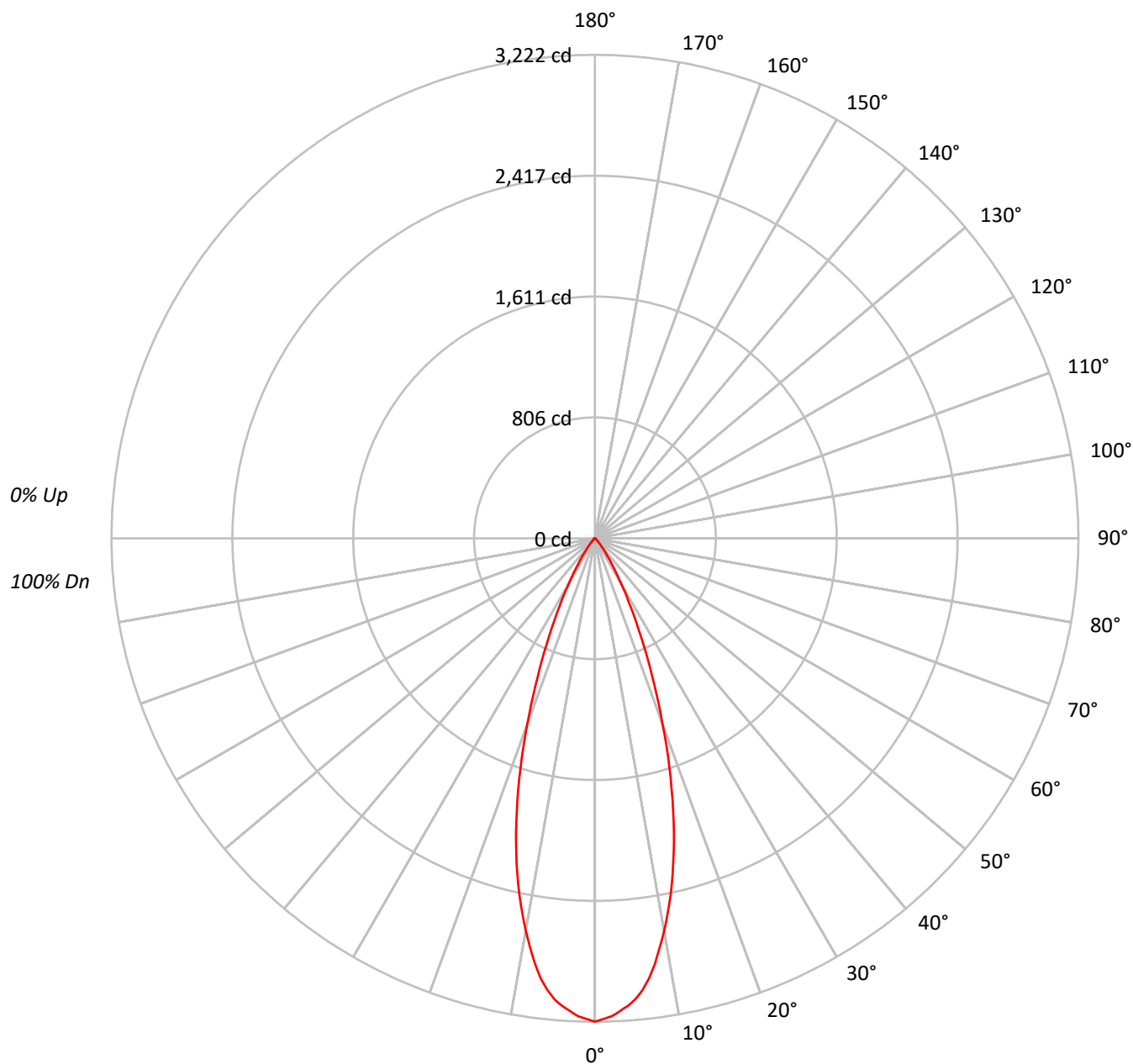
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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°	1247990
5°	1199294
10°	1043993
15°	815213
20°	542173
25°	310455
30°	154352
35°	70929
40°	28468
45°	13037
50°	6026
55°	3377
60°	1937
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.7	21.6
10°-20°	551.3	42.4
20°-30°	341.2	26.2
30°-40°	102.1	7.8
40°-50°	20.5	1.6
50°-60°	5.0	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°	1173.2	90.2
0°-40°	1275.3	98.0
0°-60°	1300.7	100.0
0°-90°	1301.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1301.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3222	
5°	3084	281
15°	2033	551
25°	726	341
35°	150	102
45°	24	20
55°	5	5
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3221.9
1°	3204.4
2°	3188.2
3°	3155.7
4°	3125.6
5°	3084.4
6°	3028.1
7°	2956.9
8°	2865.6
9°	2761.8
10°	2654.3
11°	2543.0
12°	2424.3
13°	2300.5
14°	2167.9
15°	2032.9
17.5°	1676.6
20°	1315.3
22.5°	995.2
25°	726.4
27.5°	510.1
30°	345.1
32.5°	227.5
35°	150.0
37.5°	93.8
40°	56.3
42.5°	36.3
45°	23.8
47.5°	15.0
50°	10.0
52.5°	7.5
55°	5.0
57.5°	3.8
60°	2.5
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



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



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— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)