

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: **LSR2B05FL409030D010 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: LSR2B05FL409030D010 2LBD*LI
Description: 500 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
SPUN ROUND TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

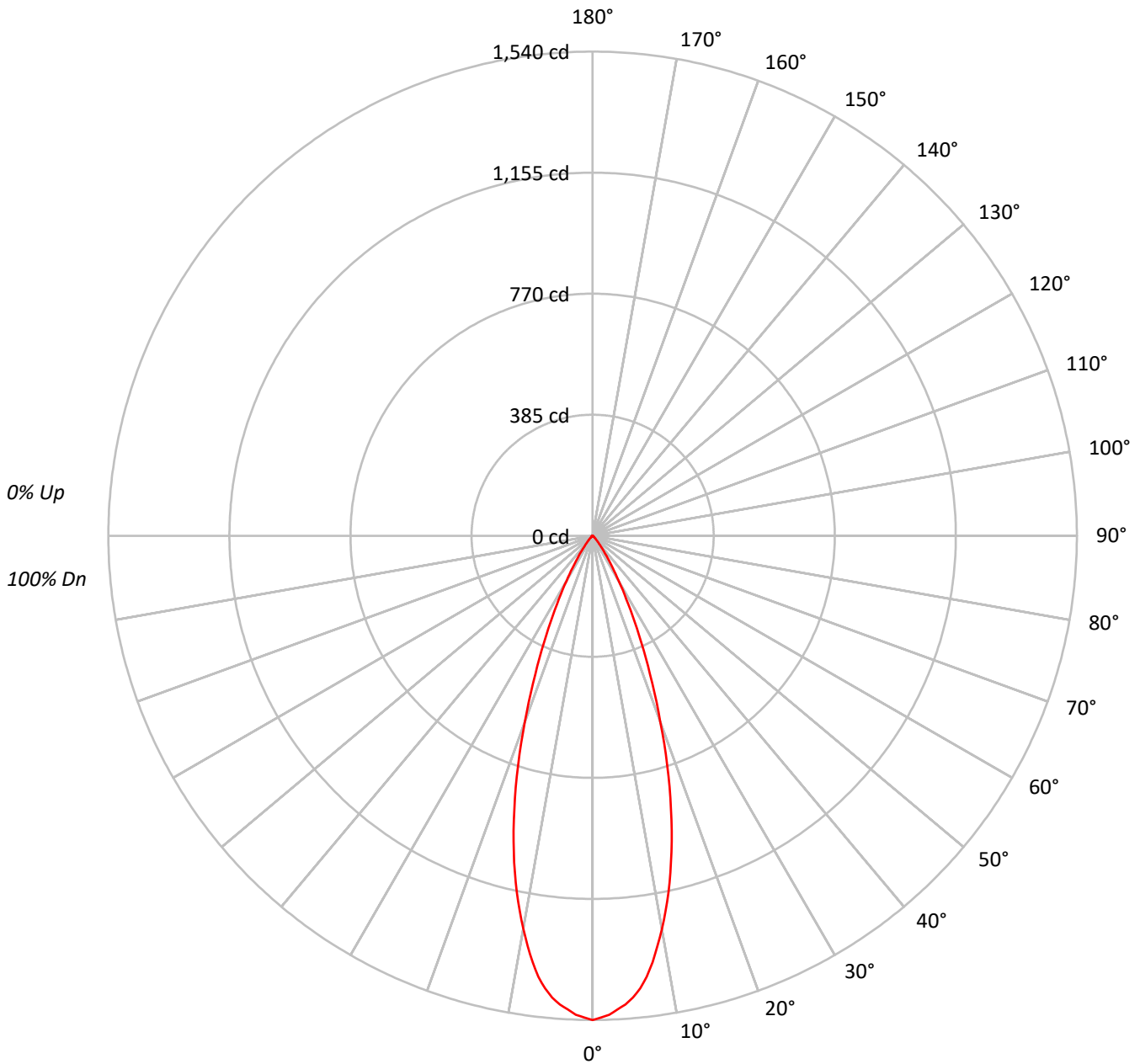
Lumens per Lamp: N/A
Luminaire Lumens: 622.0 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.58
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.3
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: P#
CATALOG NUMBER: LSR2B05FL409030D010 2LBD*LI

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSR2B05FL409030D010 2LBD*LI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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°	596668
5°	573362
10°	499125
15°	389742
20°	259194
25°	148432
30°	73799
35°	33904
40°	13602
45°	6245
50°	2892
55°	1621
60°	930
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSR2B05FL409030D010 2LBD*LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.2	21.6
10°-20°	263.6	42.4
20°-30°	163.1	26.2
30°-40°	48.8	7.8
40°-50°	9.8	1.6
50°-60°	2.4	0.4
60°-70°	0.1	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°	560.9	90.2
0°-40°	609.7	98.0
0°-60°	621.9	100.0
0°-90°	622.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	622.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1540	
5°	1475	134
15°	972	264
25°	347	163
35°	72	49
45°	11	10
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSR2B05FL409030D010 2LBD*LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	1540.4
1°	1532.0
2°	1524.2
3°	1508.7
4°	1494.4
5°	1474.6
6°	1447.7
7°	1413.7
8°	1370.0
9°	1320.4
10°	1269.0
11°	1215.8
12°	1159.0
13°	1099.8
14°	1036.5
15°	971.9
17.5°	801.6
20°	628.8
22.5°	475.8
25°	347.3
27.5°	243.9
30°	165.0
32.5°	108.8
35°	71.7
37.5°	44.8
40°	26.9
42.5°	17.3
45°	11.4
47.5°	7.2
50°	4.8
52.5°	3.6
55°	2.4
57.5°	1.8
60°	1.2
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: LSR2B05FL409030D010 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)