

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: P225501

Luminaire Tested: **LSR2B05FL408030D010 2LBDL\*H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P225501  
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: LSR2B05FL408030D010 2LBDL\*H  
Description: 500 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: 719.0 lumens  
Efficiency: N/A  
Efficacy: 98.5 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

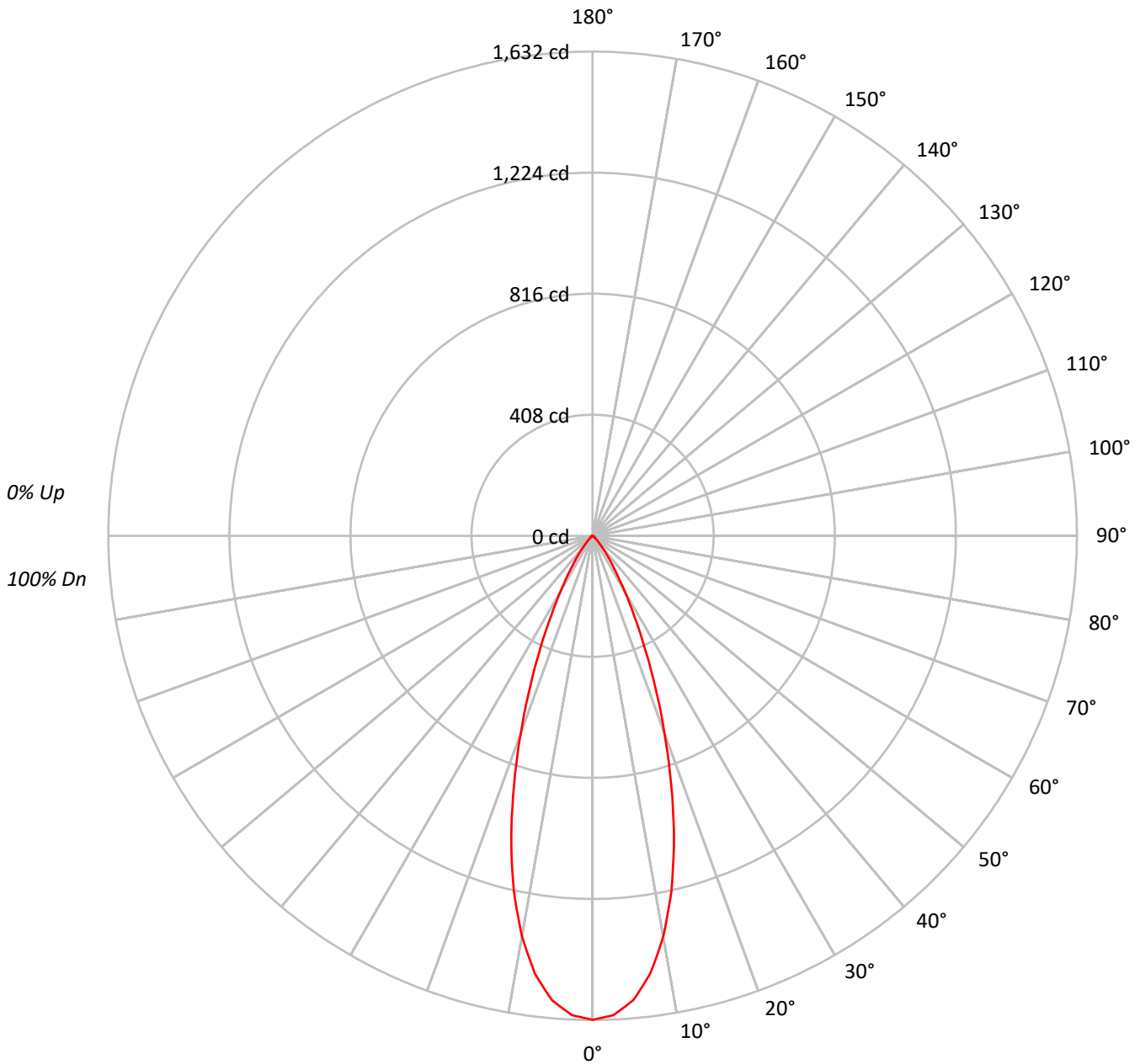
Input Watts (W): 7.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P225501

CATALOG NUMBER: LSR2B05FL408030D010 2LBDL\*H

### Luminous Intensity Polar Plot





TEST NUMBER: P225501

CATALOG NUMBER: LSR2B05FL408030D010 2LBDL\*H

**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	100	100	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95	95
2	110	105	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90	90	90	90
3	105	100	96	92	103	98	95	91	96	93	90	94	91	89	91	89	87	86	86	86	86
4	101	95	90	86	99	94	89	86	91	88	85	90	86	84	88	85	83	82	82	82	82
5	97	90	85	81	96	89	84	81	87	83	80	86	82	80	84	81	79	78	78	78	78
6	93	86	81	77	92	85	80	77	84	79	76	82	79	76	81	78	75	74	74	74	74
7	90	82	77	73	88	81	76	73	80	76	73	79	75	72	78	75	72	71	71	71	71
8	86	78	73	70	85	78	73	70	77	72	69	76	72	69	75	71	69	68	68	68	68
9	83	75	70	67	82	75	70	67	74	69	66	73	69	66	72	69	66	65	65	65	65
10	80	72	67	64	79	72	67	64	71	67	64	70	66	64	70	66	63	62	62	62	62

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	632032
5°	611001
10°	539086
15°	424710
20°	291882
25°	176255
30°	95537
35°	49083
40°	24018
45°	11394
50°	5966
55°	3984
60°	2324
65°	917
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P225501

CATALOG NUMBER: LSR2B05FL408030D010 2LBDL\*H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	143.6	20.0
10°-20°	288.3	40.1
20°-30°	192.6	26.8
30°-40°	69.8	9.7
40°-50°	18.0	2.5
50°-60°	5.4	0.7
60°-70°	1.3	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°	624.5	86.9
0°-40°	694.3	96.6
0°-60°	717.7	99.8
0°-90°	719.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	719.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1632	
5°	1571	144
15°	1059	288
25°	412	193
35°	104	70
45°	21	18
55°	6	5
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P225501

CATALOG NUMBER: LSR2B05FL408030D010 2LBDL\*H

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1631.7
2.5°	1616.9
5°	1571.4
7.5°	1488.3
10°	1370.6
12.5°	1226.2
15°	1059.1
17.5°	881.1
20°	708.1
22.5°	548.8
25°	412.4
27.5°	300.6
30°	213.6
32.5°	150.3
35°	103.8
37.5°	72.2
40°	47.5
42.5°	30.7
45°	20.8
47.5°	14.8
50°	9.9
52.5°	7.9
55°	5.9
57.5°	4.0
60°	3.0
62.5°	2.0
65°	1.0
67.5°	1.0
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)