

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: P223024

Luminaire Tested: **LSR2B05NFL259024D010 2LBDC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P223024
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (155)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B05NFL259024D010 2LBDC*MMS
Description: 500 Lumen, 2inch Portfolio LED Cylinder
NARROW FLOOD OPTIC
CAST ROUND TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 544.0 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.35
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

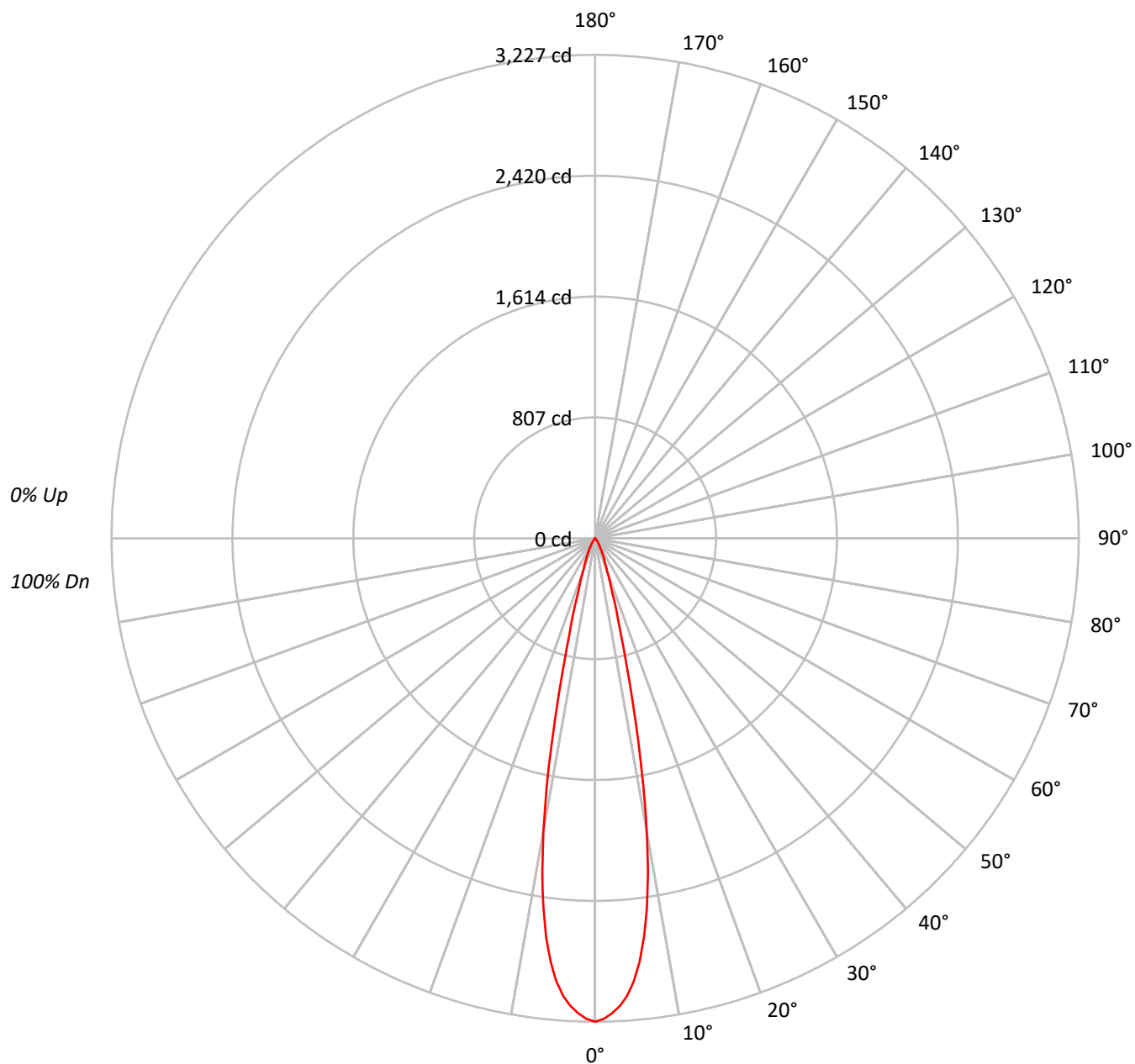
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P223024

CATALOG NUMBER: LSR2B05NFL259024D010 2LBDC*MMS

Luminous Intensity Polar Plot





TEST NUMBER: P223024

CATALOG NUMBER: LSR2B05NFL259024D010 2LBDC*MMS

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97		
2	112	109	106	104	110	107	104	102	104	102	100	101	99	98	98	97	96	95		
3	109	105	101	99	107	103	100	98	101	98	96	99	97	95	96	95	93	92		
4	106	101	97	95	104	100	97	94	98	95	93	96	94	92	95	93	91	90		
5	103	98	94	91	102	97	94	91	95	92	90	94	91	89	93	90	89	88		
6	101	95	91	89	99	94	91	88	93	90	88	92	89	87	91	88	87	86		
7	98	92	89	86	97	92	88	86	91	88	85	90	87	85	89	87	85	84		
8	96	90	86	84	95	90	86	84	89	86	83	88	85	83	87	85	83	82		
9	94	88	84	82	93	88	84	82	87	84	82	86	83	81	85	83	81	80		
10	92	86	82	80	91	86	82	80	85	82	80	84	82	80	84	81	79	79		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1250082
5°	1154229
10°	781254
15°	265789
20°	97610
25°	51757
30°	26612
35°	12436
40°	4045
45°	2082
50°	964
55°	338
60°	387
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P223024

CATALOG NUMBER: LSR2B05NFL259024D010 2LBDC*MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.5	46.4
10°-20°	212.3	39.0
20°-30°	58.3	10.7
30°-40°	17.0	3.1
40°-50°	3.1	0.6
50°-60°	0.7	0.1
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°	523.1	96.2
0°-40°	540.1	99.3
0°-60°	543.9	100.0
0°-90°	544.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	544.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3227	
5°	2968	253
15°	663	212
25°	121	58
35°	26	17
45°	4	3
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P223024

CATALOG NUMBER: LSR2B05NFL259024D010 2LBDC*MMS

CANDELA DISTRIBUTION (FULL):

	0°
0°	3227.3
1°	3208.6
2°	3175.4
3°	3127.7
4°	3062.3
5°	2968.5
6°	2840.5
7°	2680.3
8°	2484.7
9°	2253.7
10°	1986.3
11°	1693.2
12°	1388.4
13°	1097.4
14°	849.3
15°	662.8
17.5°	374.0
20°	236.8
22.5°	168.8
25°	121.1
27.5°	85.7
30°	59.5
32.5°	41.8
35°	26.3
37.5°	10.7
40°	8.0
42.5°	5.9
45°	3.8
47.5°	2.1
50°	1.6
52.5°	1.1
55°	0.5
57.5°	0.5
60°	0.5
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



TEST NUMBER: P223024

CATALOG NUMBER: LSR2B05NFL259024D010 2LBDC*MMS

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)