

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: P222678

Luminaire Tested: **LSSQ2B15NFL259035D010 2LBDC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P222678
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: LSSQ2B15NFL259035D010 2LBDC*MW
Description: 1500 Lumen, 2inch Portfolio LED Cylinder
NARROW FLOOD OPTIC
CAST ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1145.7 lumens
Efficiency: N/A
Efficacy: 80.1 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

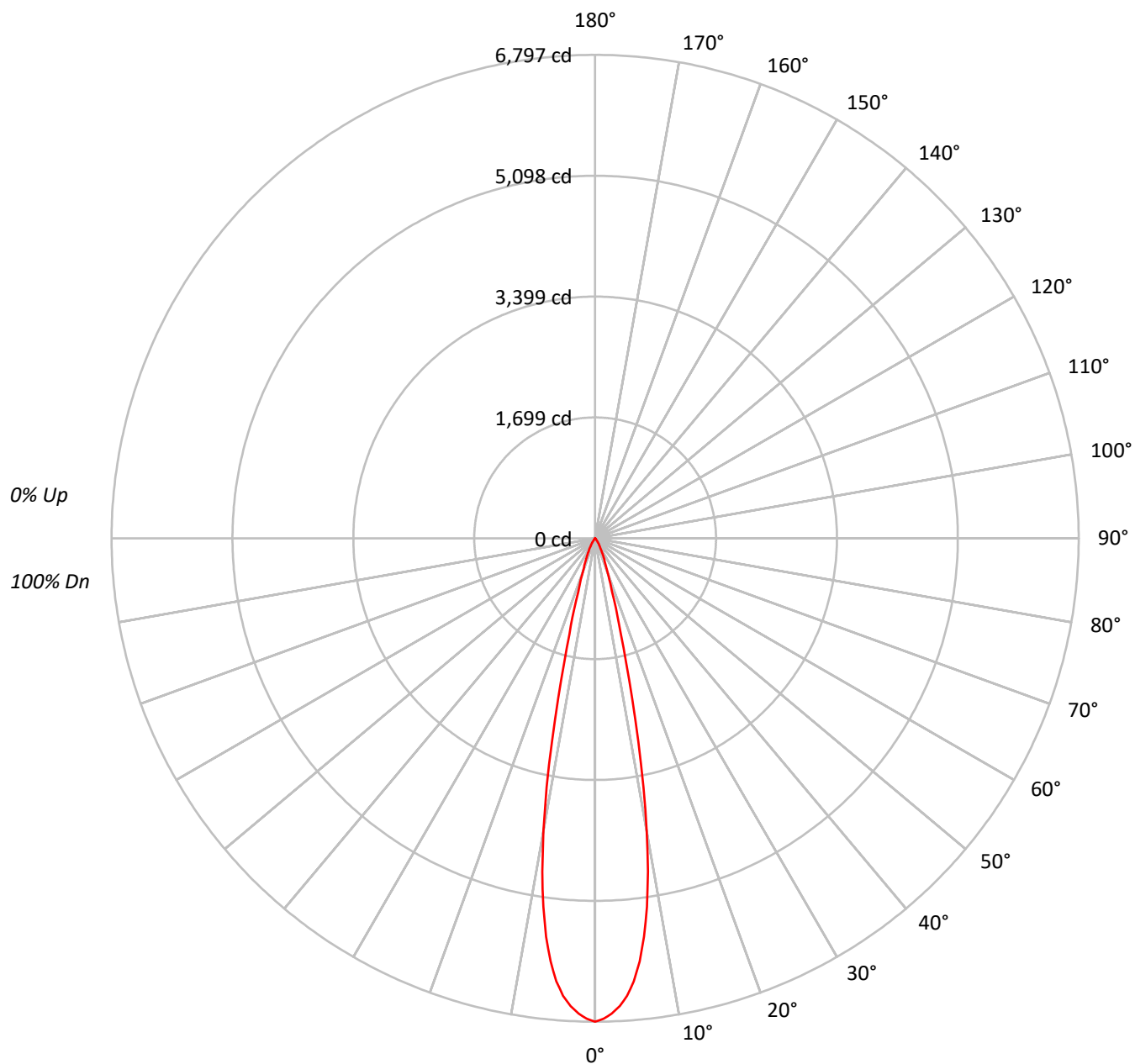
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P222678

CATALOG NUMBER: LSSQ2B15NFL259035D010 2LBDC*MW

Luminous Intensity Polar Plot





TEST NUMBER: P222678

CATALOG NUMBER: LSSQ2B15NFL259035D010 2LBDC*MW

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	86	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°	2632791
5°	2430899
10°	1645421
15°	559810
20°	205608
25°	108984
30°	56043
35°	26149
40°	8545
45°	4328
50°	2049
55°	743
60°	852
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P222678

CATALOG NUMBER: LSSQ2B15NFL259035D010 2LBDC*MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	531.8	46.4
10°-20°	447.1	39.0
20°-30°	122.7	10.7
30°-40°	35.8	3.1
40°-50°	6.6	0.6
50°-60°	1.5	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°	1101.7	96.2
0°-40°	1137.5	99.3
0°-60°	1145.6	100.0
0°-90°	1145.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1145.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6797	
5°	6252	532
15°	1396	447
25°	255	123
35°	55	36
45°	8	7
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P222678

CATALOG NUMBER: LSSQ2B15NFL259035D010 2LBDC*MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	6797.0
1°	6757.5
2°	6687.5
3°	6587.1
4°	6449.4
5°	6251.9
6°	5982.2
7°	5644.8
8°	5232.9
9°	4746.5
10°	4183.4
11°	3566.1
12°	2924.0
13°	2311.2
14°	1788.7
15°	1396.0
17.5°	787.7
20°	498.8
22.5°	355.5
25°	255.0
27.5°	180.6
30°	125.3
32.5°	88.0
35°	55.3
37.5°	22.6
40°	16.9
42.5°	12.4
45°	7.9
47.5°	4.5
50°	3.4
52.5°	2.3
55°	1.1
57.5°	1.1
60°	1.1
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: P222678

CATALOG NUMBER: LSSQ2B15NFL259035D010 2LBDC*MW

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)