

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: P223150

Luminaire Tested: **LSSQ2B15NFL258040D010 2LBDL*H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P223150
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: LSSQ2B15NFL258040D010 2LBDL*H
Description: 1500 Lumen, 2inch Portfolio LED Cylinder
NARROW FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1355.8 lumens
Efficiency: N/A
Efficacy: 94.8 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: P223150

CATALOG NUMBER: LSSQ2B15NFL258040D010 2LBDL*H

Luminous Intensity Polar Plot





TEST NUMBER: P223150

CATALOG NUMBER: LSSQ2B15NFL258040D010 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	99	97
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	96	95
2	112	109	106	104	110	107	104	102	104	102	100	101	99	98	98	97	96	95	95	93	92
3	109	105	101	99	107	103	100	98	101	98	96	99	97	95	96	95	93	92	92	91	90
4	106	101	97	95	104	100	97	94	98	95	93	96	94	92	95	93	91	90	89	88	86
5	103	98	94	91	102	97	94	91	95	92	90	94	91	89	93	90	89	88	87	86	84
6	101	95	91	89	99	94	91	88	93	90	88	92	89	87	91	88	87	86	85	84	82
7	98	92	89	86	97	92	88	86	91	88	85	90	87	85	89	87	85	84	83	82	80
8	96	90	86	84	95	90	86	84	89	86	83	88	85	83	87	85	83	82	81	80	79
9	94	88	84	82	93	88	84	82	87	84	82	86	83	81	85	83	81	80	79	79	79
10	92	86	82	80	91	86	82	80	85	82	80	84	82	80	84	81	79	79	79	79	79

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3115811
5°	2876921
10°	1947295
15°	662509
20°	243325
25°	128986
30°	66285
35°	30925
40°	10113
45°	5094
50°	2410
55°	878
60°	1007
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P223150

CATALOG NUMBER: LSSQ2B15NFL258040D010 2LBDL*H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	629.4	46.4
10°-20°	529.2	39.0
20°-30°	145.2	10.7
30°-40°	42.3	3.1
40°-50°	7.8	0.6
50°-60°	1.8	0.1
60°-70°	0.2	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°	1303.8	96.2
0°-40°	1346.1	99.3
0°-60°	1355.7	100.0
0°-90°	1355.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1355.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8044	
5°	7399	629
15°	1652	529
25°	302	145
35°	65	42
45°	9	8
55°	1	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P223150

CATALOG NUMBER: LSSQ2B15NFL258040D010 2LBDL*H

CANDELA DISTRIBUTION (FULL):

	0°
0°	8044.0
1°	7997.3
2°	7914.5
3°	7795.6
4°	7632.7
5°	7399.0
6°	7079.8
7°	6680.4
8°	6193.0
9°	5617.3
10°	4950.9
11°	4220.4
12°	3460.4
13°	2735.2
14°	2116.9
15°	1652.1
17.5°	932.2
20°	590.3
22.5°	420.7
25°	301.8
27.5°	213.7
30°	148.2
32.5°	104.2
35°	65.4
37.5°	26.7
40°	20.0
42.5°	14.7
45°	9.3
47.5°	5.3
50°	4.0
52.5°	2.7
55°	1.3
57.5°	1.3
60°	1.3
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: P223150

CATALOG NUMBER: LSSQ2B15NFL258040D010 2LBDL*H

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)