

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: **LSSQ2B15WFL559030D2WD010 2LBDC*MMS**

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 (P14811)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQ2B15WFL559030D2WD010 2LBDC*MMS
Description: 1500 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
CAST ROUND TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 773.3 lumens
Efficiency: N/A
Efficacy: 54.1 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.83
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

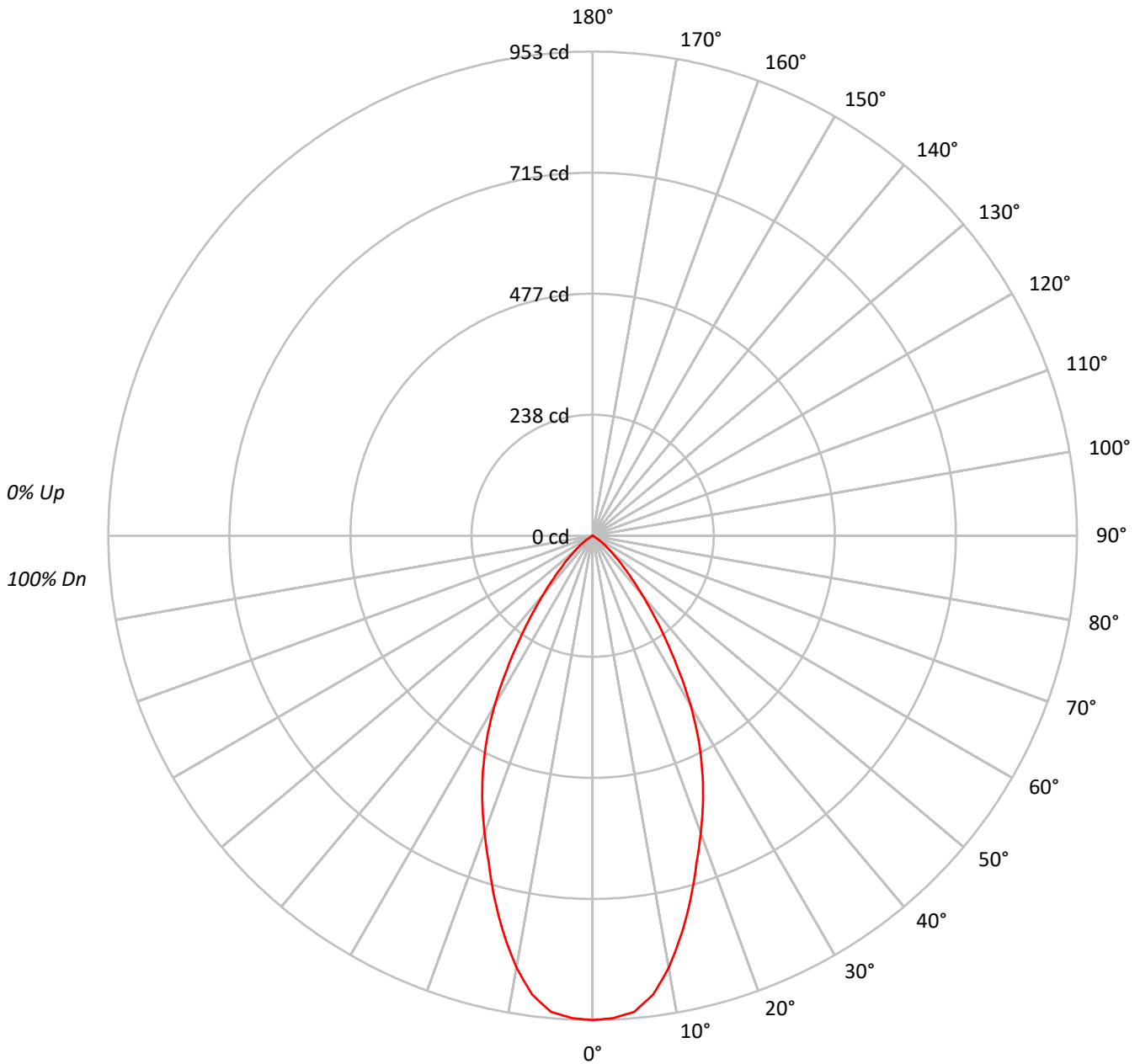
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B15WFL559030D2WD010 2LBDC*MMS

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B15WFL559030D2WD010 2LBDC*MMS

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			
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87			
3	102	96	91	87	100	94	90	86	92	88	84	89	86	83	87	84	82	80			
4	97	89	84	79	95	88	83	79	86	81	78	84	80	77	82	79	76	75			
5	92	83	77	73	90	82	77	73	81	76	72	79	75	71	77	74	71	69			
6	87	78	72	68	86	77	72	67	76	71	67	74	70	66	73	69	66	65			
7	83	73	67	63	81	73	67	63	71	66	62	70	65	62	69	65	62	60			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	56			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53			
10	71	62	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	369218
5°	365652
10°	339436
15°	297950
20°	256392
25°	218182
30°	172825
35°	119965
40°	76201
45°	45905
50°	26213
55°	14317
60°	1627
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B15WFL559030D2WD010 2LBDC*MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.2	11.3
10°-20°	206.8	26.7
20°-30°	232.2	30.0
30°-40°	160.0	20.7
40°-50°	67.6	8.7
50°-60°	19.0	2.5
60°-70°	0.5	0.1
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°	526.2	68.0
0°-40°	686.2	88.7
0°-60°	772.8	99.9
0°-90°	773.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	773.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	953	
5°	940	87
15°	743	207
25°	510	232
35°	254	160
45°	84	68
55°	21	19
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B15WFL559030D2WD010 2LBDC*MMS

CANDELA DISTRIBUTION (FULL):

	0°
0°	953.2
2.5°	950.0
5°	940.4
7.5°	910.7
10°	863.0
12.5°	804.6
15°	743.0
17.5°	678.3
20°	622.0
22.5°	567.9
25°	510.5
27.5°	451.1
30°	386.4
32.5°	316.3
35°	253.7
37.5°	198.5
40°	150.7
42.5°	113.6
45°	83.8
47.5°	60.5
50°	43.5
52.5°	31.8
55°	21.2
57.5°	10.6
60°	2.1
62.5°	1.0
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
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)