

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: **LSSQWM2B15WFL558027D010 2LBDC*MB**

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 (P14809)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQWM2B15WFL558027D010 2LBDC*MB
Description: 1500 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
CAST ROUND TRIM WITH MATTE BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

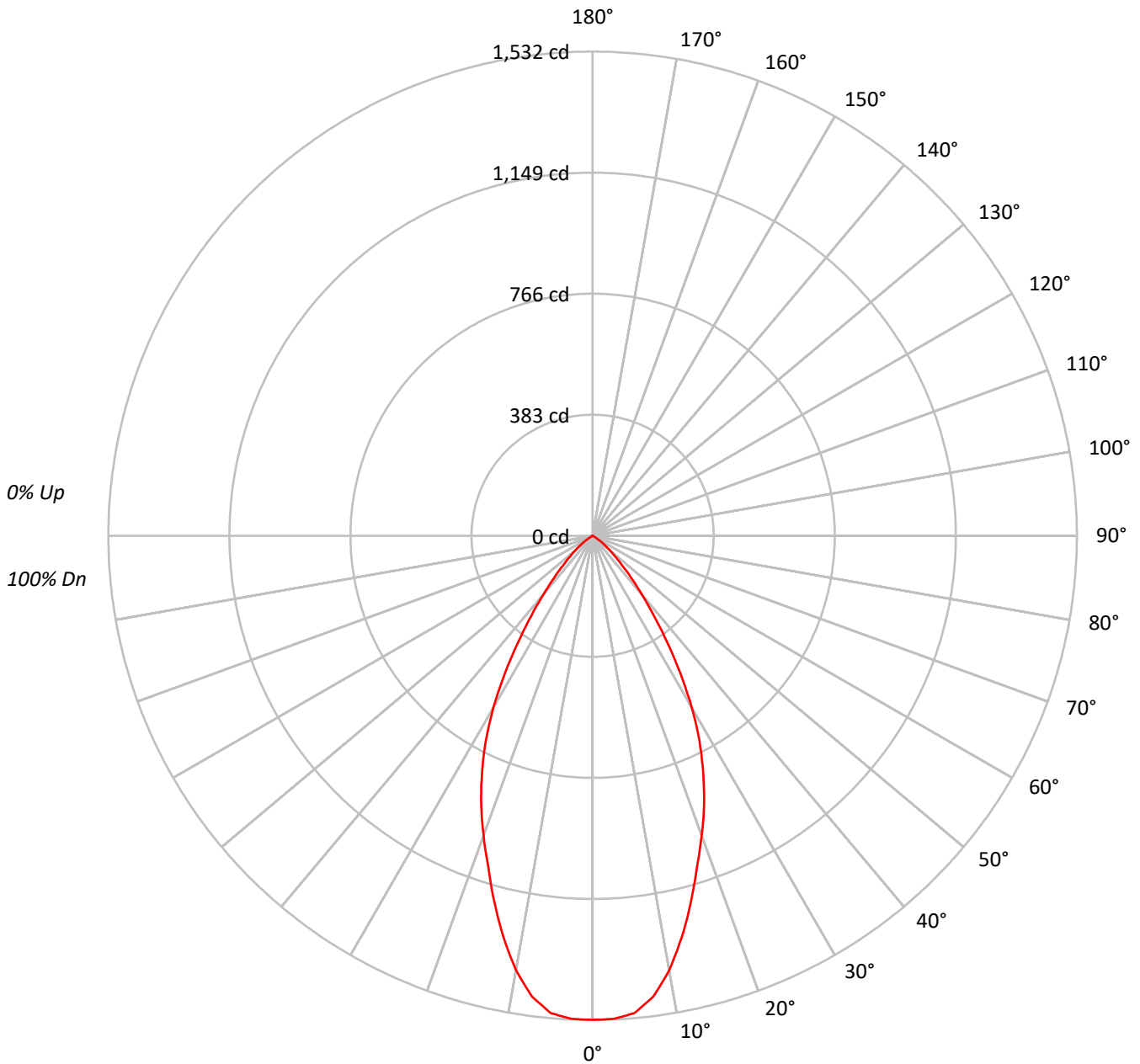
Lumens per Lamp: N/A
Luminaire Lumens: 1246.3 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

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: LSSQWM2B15WFL558027D010 2LBDC*MB

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSSQWM2B15WFL558027D010 2LBDC*MB

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
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	109	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	85	89	86	83	87	84	82	80		
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69		
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65		
7	83	73	67	63	81	73	67	63	71	66	63	70	66	62	69	65	62	60		
8	79	69	63	59	78	69	63	59	67	62	59	66	62	58	65	61	58	57		
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53		
10	71	62	56	52	70	61	56	52	60	55	52	60	55	52	59	55	51	50		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	593298
5°	589460
10°	548998
15°	481453
20°	415915
25°	353750
30°	280572
35°	193637
40°	121607
45°	72527
50°	42001
55°	21205
60°	1317
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSSQWM2B15WFL558027D010 2LBDC*MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.8	11.3
10°-20°	334.6	26.9
20°-30°	376.7	30.2
30°-40°	258.8	20.8
40°-50°	107.5	8.6
50°-60°	27.7	2.2
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°	852.1	68.4
0°-40°	1110.9	89.1
0°-60°	1246.1	100.0
0°-90°	1246.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1246.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1532	
5°	1516	141
15°	1201	335
25°	828	377
35°	410	259
45°	132	107
55°	31	28
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSSQWM2B15WFL558027D010 2LBDC*MB

CANDELA DISTRIBUTION (FULL):

	0°
0°	1531.7
2.5°	1530.0
5°	1516.0
7.5°	1470.7
10°	1395.8
12.5°	1301.7
15°	1200.6
17.5°	1097.8
20°	1009.0
22.5°	921.8
25°	827.7
27.5°	731.9
30°	627.3
32.5°	515.8
35°	409.5
37.5°	318.9
40°	240.5
42.5°	181.2
45°	132.4
47.5°	95.8
50°	69.7
52.5°	48.8
55°	31.4
57.5°	10.5
60°	1.7
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
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)