

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: **LSR2B15WFL558040D010 2LBDL*H**

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 (P14807)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B15WFL558040D010 2LBDL*H
Description: 1500 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

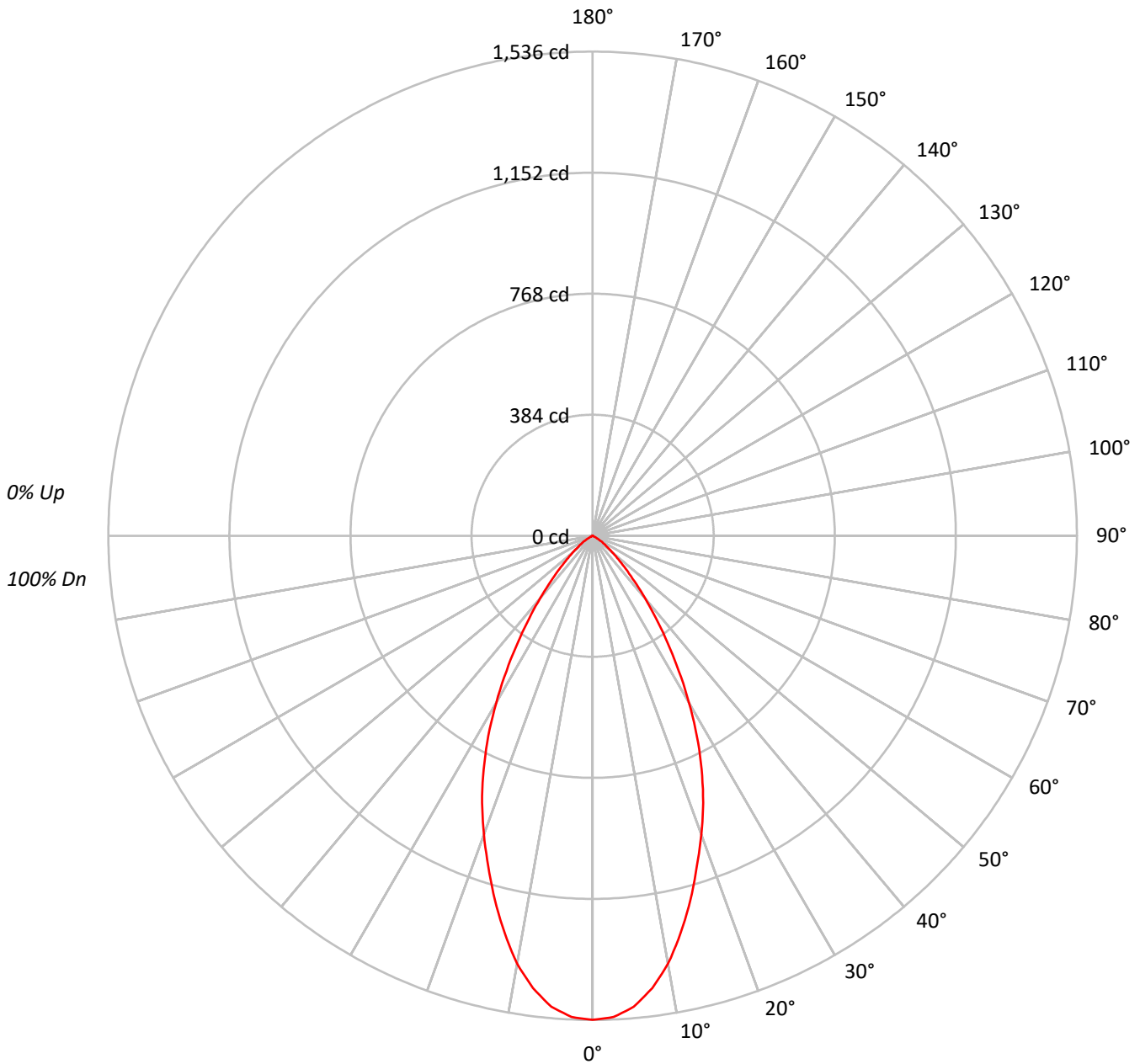
Lumens per Lamp: N/A
Luminaire Lumens: 1267.9 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.83
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

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: LSR2B15WFL558040D010 2LBDL*H

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSR2B15WFL558040D010 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
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	102	101	101	99	98	97	96	95	93		
2	108	102	98	95	105	101	97	94	98	94	92	95	92	90	92	90	88	86		
3	102	95	90	86	100	94	89	85	91	87	84	89	85	83	86	84	81	80		
4	96	89	83	79	95	87	82	78	85	81	77	83	79	76	81	78	75	74		
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68		
6	87	77	71	67	85	77	71	67	75	70	66	74	69	66	72	68	65	64		
7	82	73	66	62	81	72	66	62	71	65	62	69	65	61	68	64	61	59		
8	78	68	62	58	77	68	62	58	67	61	57	66	61	57	65	60	57	56		
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52		
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	50	49		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	594808
5°	583238
10°	542194
15°	480009
20°	415544
25°	349348
30°	273549
35°	195481
40°	130507
45°	80963
50°	48449
55°	29039
60°	13015
65°	1741
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSR2B15WFL558040D010 2LBDL*H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.2	11.0
10°-20°	333.4	26.3
20°-30°	371.9	29.3
30°-40°	260.5	20.5
40°-50°	118.9	9.4
50°-60°	39.7	3.1
60°-70°	4.3	0.3
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°	844.5	66.6
0°-40°	1104.9	87.1
0°-60°	1263.6	99.7
0°-90°	1267.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1267.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1536	
5°	1500	139
15°	1197	333
25°	817	372
35°	413	260
45°	148	119
55°	43	40
65°	2	4
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSR2B15WFL558040D010 2LBDL*H

CANDELA DISTRIBUTION (FULL):

	0°
0°	1535.6
2.5°	1528.1
5°	1500.0
7.5°	1447.7
10°	1378.5
12.5°	1290.6
15°	1197.0
17.5°	1099.8
20°	1008.1
22.5°	916.5
25°	817.4
27.5°	716.4
30°	611.6
32.5°	508.7
35°	413.4
37.5°	329.2
40°	258.1
42.5°	196.4
45°	147.8
47.5°	110.4
50°	80.4
52.5°	58.0
55°	43.0
57.5°	29.9
60°	16.8
62.5°	5.6
65°	1.9
67.5°	1.9
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)