

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: **LSR2B10WFL558035D010 2LBD*MW**

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 (P14810)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B10WFL558035D010 2LBD*MW
Description: 1000 Lumen, 2inch Portfolio LED Cylinder
WIDE FLOOD OPTIC
SPUN ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

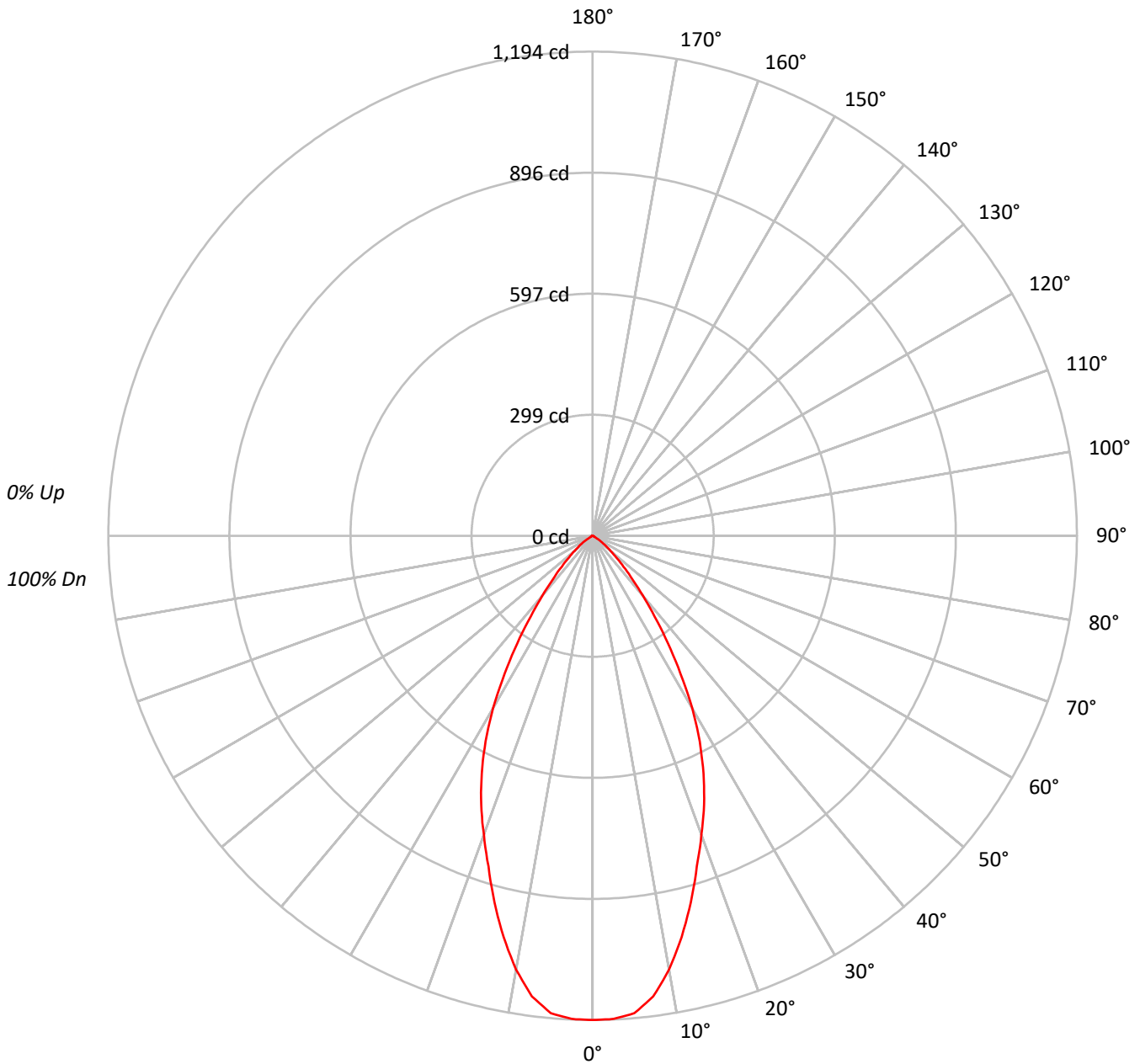
Lumens per Lamp: N/A
Luminaire Lumens: 986.0 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10.3
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



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20																	
RC	80									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	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	100	100	100	100	100	100	100	100	100																
	1	113	110	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93	93	93	93	93	93	93	93	93	93	93																
	2	108	102	98	95	105	101	97	94	98	94	92	95	92	90	92	90	88	86	86	86	86	86	86	86	86	86	86	86																
	3	102	95	90	86	100	94	89	85	91	87	84	89	85	83	87	84	81	80	80	80	80	80	80	80	80	80	80	80																
	4	97	89	83	79	95	88	82	78	85	81	77	83	80	76	82	78	76	74	74	74	74	74	74	74	74	74	74	74																
	5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	69	69	69	69	69	69	69	69	69	69	69																
	6	87	78	71	67	85	77	71	67	75	70	66	74	69	66	73	69	65	64	64	64	64	64	64	64	64	64	64	64																
	7	82	73	67	62	81	72	66	62	71	66	62	70	65	62	69	64	61	60	60	60	60	60	60	60	60	60	60	60																
	8	78	69	62	58	77	68	62	58	67	62	58	66	61	58	65	61	57	56	56	56	56	56	56	56	56	56	56	56																
	9	74	65	59	55	73	64	58	54	63	58	54	62	57	54	61	57	54	53	53	53	53	53	53	53	53	53	53	53																
	10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	49	49	49	49	49	49	49	49	49	49	49																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	462530
5°	459553
10°	427265
15°	375065
20°	323334
25°	276478
30°	219430
35°	152971
40°	96780
45°	59052
50°	34951
55°	19111
60°	4183
65°	3666
70°	3058
75°	4041
80°	2900
85°	5778



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.7	11.1
10°-20°	260.5	26.4
20°-30°	293.9	29.8
30°-40°	203.3	20.6
40°-50°	86.7	8.8
50°-60°	25.1	2.5
60°-70°	3.6	0.4
70°-80°	2.3	0.2
80°-90°	0.9	0.1
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°	664.1	67.4
0°-40°	867.4	88.0
0°-60°	979.1	99.3
0°-90°	986.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	986.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1194	
5°	1182	110
15°	935	260
25°	647	294
35°	324	203
45°	108	87
55°	28	25
65°	4	4
75°	3	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1194.1
2.5°	1192.7
5°	1181.9
7.5°	1145.6
10°	1086.3
12.5°	1013.5
15°	935.3
17.5°	854.5
20°	784.4
22.5°	718.3
25°	646.9
27.5°	571.4
30°	490.6
32.5°	403.0
35°	323.5
37.5°	250.7
40°	191.4
42.5°	144.2
45°	107.8
47.5°	78.2
50°	58.0
52.5°	41.8
55°	28.3
57.5°	12.1
60°	5.4
62.5°	4.0
65°	4.0
67.5°	2.7
70°	2.7
72.5°	2.7
75°	2.7
77.5°	1.3
80°	1.3
82.5°	1.3
85°	1.3
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)