Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P223321

Luminaire Tested: **LSRWM2B15NFL258035D010 2LBD*LI**

Issue Date: 3/3/2020

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Test Information

Test Method:	LM-41-14
Report Number:	P223321
	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:	LSRWM2B15NFL258035D010 2LBD*LI
Description:	1500 Lumen, 2inch Portfolio LED Cylinder
	NARROW FLOOD OPTIC
	SPUN ROUND TRIM WITH LI FINISH
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1381.0 lumens
Efficiency:	N/A
Efficacy:	96.6 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 (Ain):	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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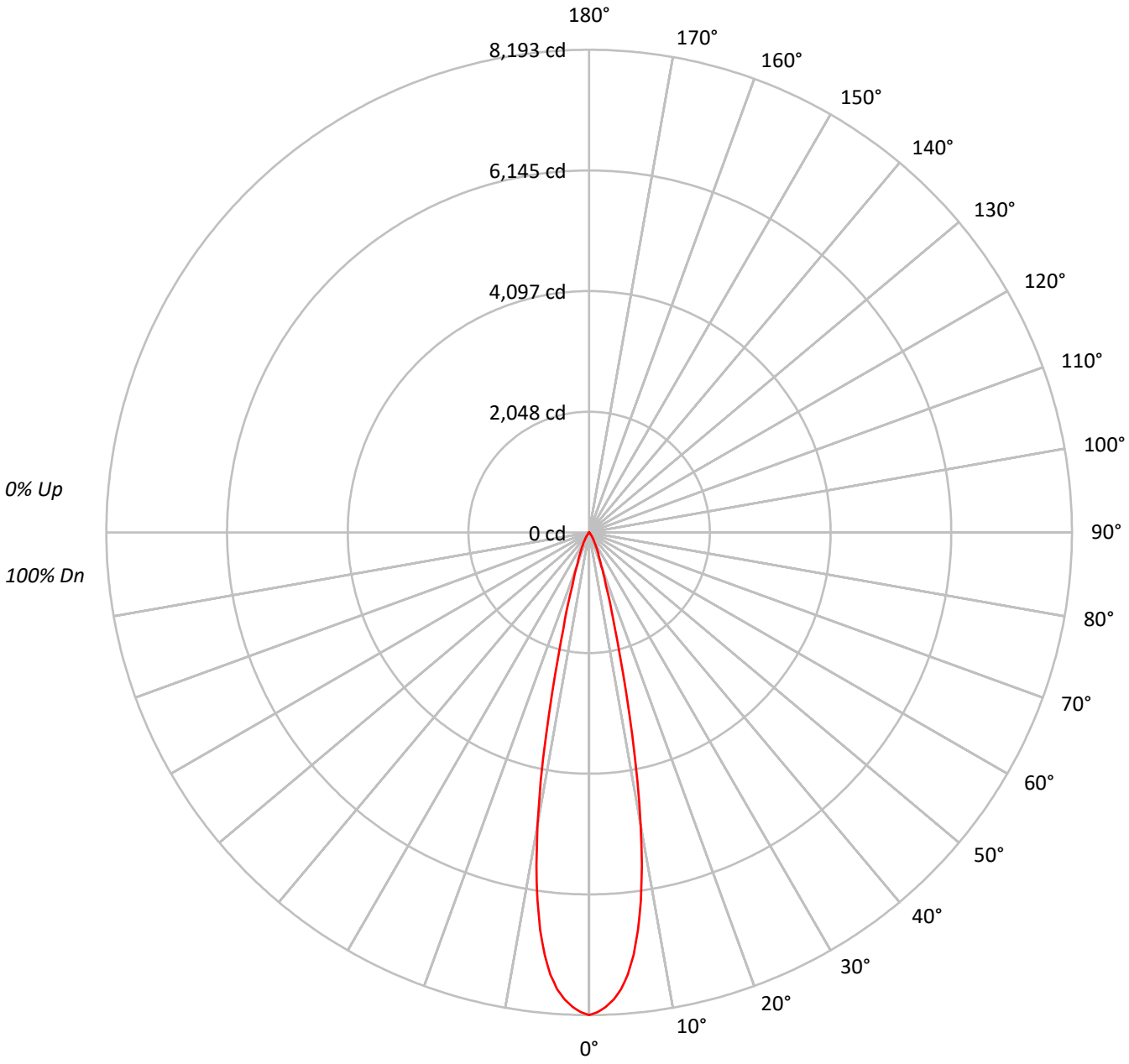
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97
2	112	109	106	104	110	107	104	102	104	102	100	101	99	98	98	97	96	95
3	109	105	101	99	107	103	100	98	101	98	96	99	97	95	96	95	93	92
4	106	101	97	95	104	100	97	94	98	95	93	96	94	92	95	93	91	90
5	103	98	94	91	102	97	94	91	95	92	90	94	91	89	93	90	89	88
6	101	95	91	89	99	94	91	88	93	90	88	92	89	87	91	88	87	86
7	98	92	89	86	97	92	88	86	91	88	85	90	87	85	89	86	85	84
8	96	90	86	84	95	90	86	84	89	86	83	88	85	83	87	85	83	82
9	94	88	84	82	93	88	84	82	87	84	82	86	83	81	85	83	81	80
10	92	86	82	80	91	86	82	80	85	82	80	84	82	80	84	81	79	79

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3173526
5°	2930151
10°	1983323
15°	674780
20°	247818
25°	131379
30°	67538
35°	31540
40°	10315
45°	5204
50°	2471
55°	945
60°	1085
65°	0
70°	0
75°	0
80°	0
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	641.0	46.4
10°-20°	539.0	39.0
20°-30°	147.9	10.7
30°-40°	43.1	3.1
40°-50°	8.0	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°	1327.9	96.2
0°-40°	1371.0	99.3
0°-60°	1380.8	100.0
0°-90°	1381.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1381.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8193	
5°	7536	641
15°	1683	539
25°	307	148
35°	67	43
45°	10	8
55°	1	2
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8193.0
1°	8145.3
2°	8061.0
3°	7939.9
4°	7774.0
5°	7535.9
6°	7210.8
7°	6804.1
8°	6307.6
9°	5721.3
10°	5042.5
11°	4298.5
12°	3524.5
13°	2785.8
14°	2156.0
15°	1682.7
17.5°	949.5
20°	601.2
22.5°	428.5
25°	307.4
27.5°	217.6
30°	151.0
32.5°	106.1
35°	66.7
37.5°	27.2
40°	20.4
42.5°	15.0
45°	9.5
47.5°	5.4
50°	4.1
52.5°	2.7
55°	1.4
57.5°	1.4
60°	1.4
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

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CANDELA DISTRIBUTION (continued):

	0°
90°	*0.0*

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0°-180°

85°	*0.0*
87.5°	*0.0*

(END OF REPORT)