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: P264520

Luminaire Tested: **LD2B15D010 EU2B1510SP159727 2LBSQC*MB**

Issue Date: 3/3/2020

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Scaled Data Report

Test Information

Test Method:	LM-41-14
Report Number:	P264520
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-787-1)
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	io LED
Catalog Number:	LD2B15D010 EU2B1510SP159727 2LBSQC*MB
Description:	1500 Lumen, 2inch Portfolio LED Downlight
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	891.0 lumens
Efficiency:	N/A
Efficacy:	62.3 lumens/watt
Spacing Criteria (0/90/45):	0.28 / 0.28 / 0.28
Luminous Opening:	Circular (Dia: 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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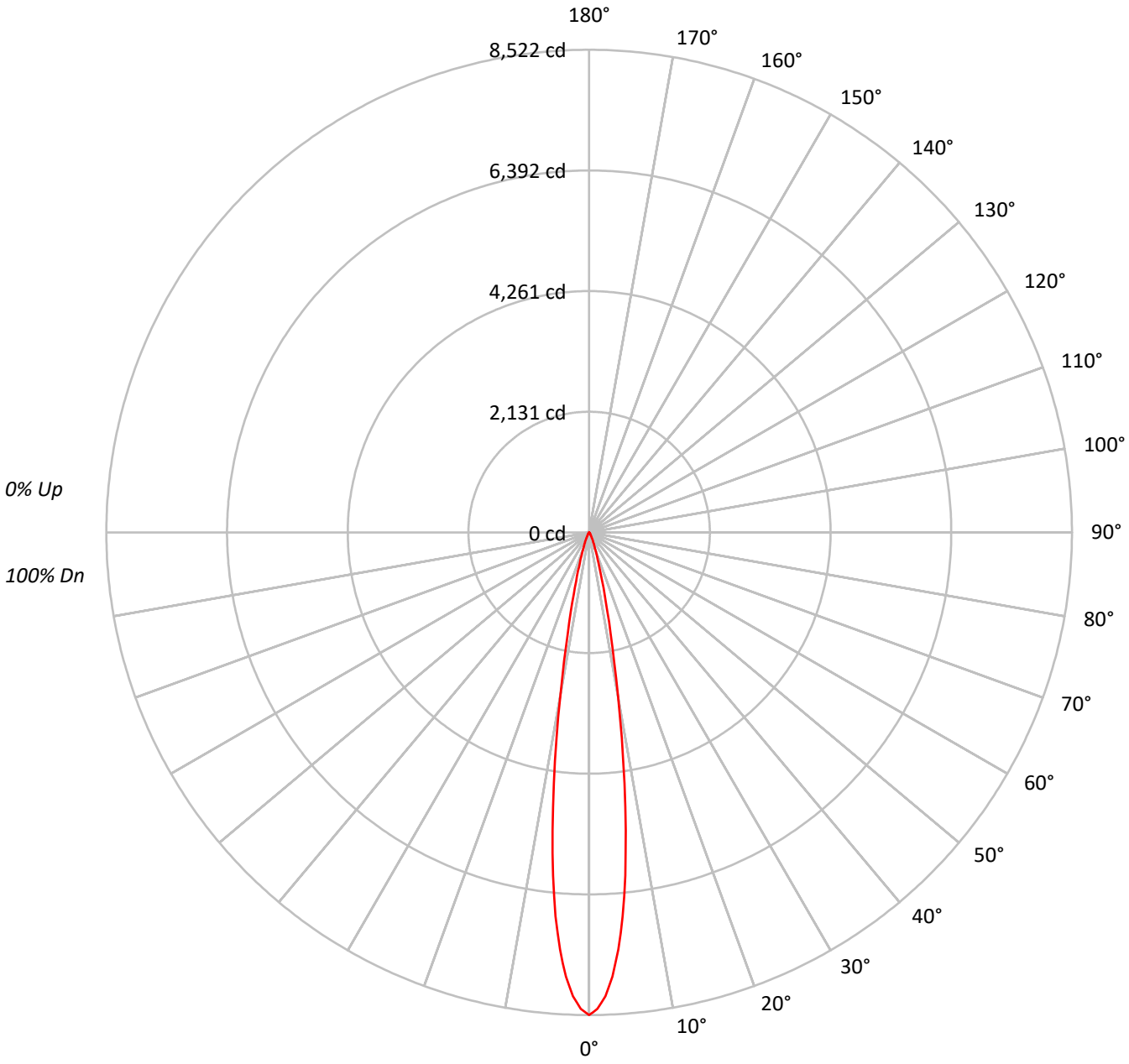
Luminous Intensity Polar Plot



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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	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	90
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85
10	95	90	87	85	95	90	87	85	89	86	85	89	86	84	88	86	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4204281
5°	3369953
10°	1470856
15°	455807
20°	158872
25°	70169
30°	31788
35°	16503
40°	9403
45°	4465
50°	2840
55°	1548
60°	888
65°	1051
70°	0
75°	0
80°	0
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	516.7	58.0
10°-20°	283.0	31.8
20°-30°	64.5	7.2
30°-40°	18.5	2.1
40°-50°	5.7	0.6
50°-60°	1.7	0.2
60°-70°	0.8	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°	864.2	97.0
0°-40°	882.8	99.1
0°-60°	890.2	99.9
0°-90°	891.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	891.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8522	
5°	6805	517
15°	892	283
25°	129	64
35°	27	19
45°	6	6
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8521.7
1°	8415.6
2°	8195.3
3°	7853.3
4°	7383.3
5°	6804.6
6°	6095.0
7°	5302.3
8°	4474.8
9°	3673.8
10°	2936.0
11°	2311.5
12°	1819.5
13°	1431.9
14°	1131.0
15°	892.4
16°	704.0
17°	560.5
18°	450.8
19°	366.7
20°	302.6
22.5°	195.7
25°	128.9
26°	108.8
27°	92.3
28°	77.7
29°	64.9
30°	55.8
32.5°	38.4
35°	27.4
37.5°	20.1
40°	14.6
42.5°	10.1
45°	6.4
47.5°	4.6
50°	3.7
52.5°	2.7
55°	1.8
57.5°	0.9
60°	0.9
62.5°	0.9
65°	0.9
67.5°	0.9

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CANDELA DISTRIBUTION (continued):

	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*

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0°-180°

70°	*0.0*
72.5°	*0.0*

(END OF REPORT)