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: P222756

Luminaire Tested: **LD2B15D010 EU2B15NFL259030 2LBDSQC*MMS**

Issue Date: 3/3/2020

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Test Information

Test Method:	LM-41-14
Report Number:	P222756
	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:	LD2B15D010 EU2B15NFL259030 2LBDSQC*MMS
Description:	1500 Lumen, 2inch Portfolio LED Downlight
	NARROW FLOOD OPTIC
	SQUARE CAST TRIM WITH MATTE METALLIC SILVER
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1052.4 lumens
Efficiency:	N/A
Efficacy:	73.6 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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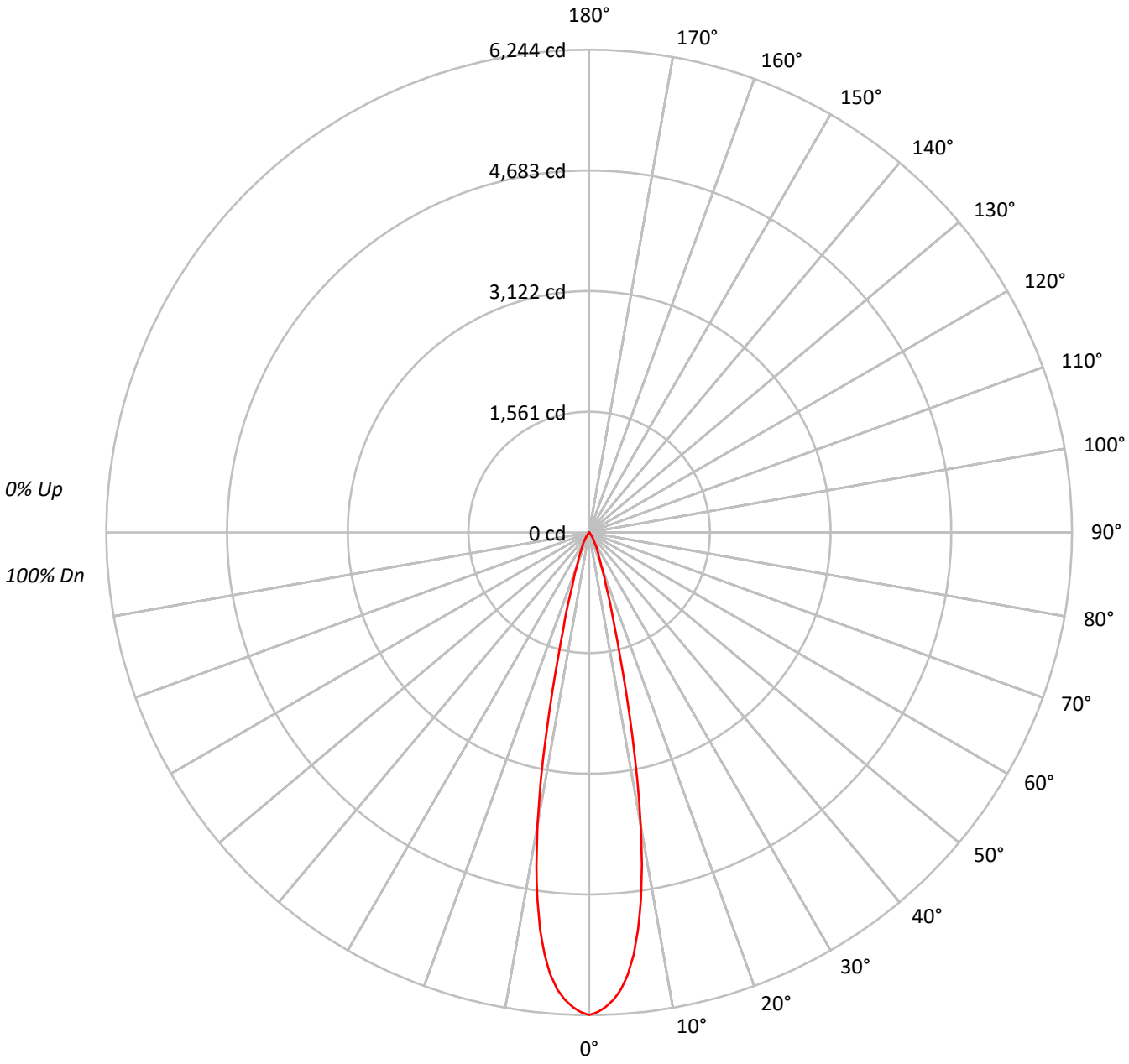
Luminous Intensity Polar Plot



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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	87	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°	2418395
5°	2232948
10°	1511416
15°	514215
20°	188872
25°	100137
30°	51481
35°	24021
40°	7837
45°	3999
50°	1868
55°	675
60°	775
65°	0
70°	0
75°	0
80°	0
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	488.5	46.4
10°-20°	410.7	39.0
20°-30°	112.7	10.7
30°-40°	32.9	3.1
40°-50°	6.1	0.6
50°-60°	1.4	0.1
60°-70°	0.1	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°	1012.0	96.2
0°-40°	1044.8	99.3
0°-60°	1052.3	100.0
0°-90°	1052.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1052.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6244	
5°	5743	489
15°	1282	411
25°	234	113
35°	51	33
45°	7	6
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	6243.5
1°	6207.2
2°	6142.9
3°	6050.7
4°	5924.2
5°	5742.8
6°	5495.1
7°	5185.1
8°	4806.8
9°	4360.0
10°	3842.7
11°	3275.7
12°	2685.9
13°	2123.0
14°	1643.0
15°	1282.3
17.5°	723.6
20°	458.2
22.5°	326.5
25°	234.3
27.5°	165.9
30°	115.1
32.5°	80.9
35°	50.8
37.5°	20.7
40°	15.5
42.5°	11.4
45°	7.3
47.5°	4.1
50°	3.1
52.5°	2.1
55°	1.0
57.5°	1.0
60°	1.0
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)