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: P224353

Luminaire Tested: **LD2B15D010 EU2B15FL409727 2LBDSQC*MMS**

Issue Date: 3/3/2020

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Test Information

Test Method:	LM-41-14
Report Number:	P224353
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14831)
Test Lab:	INNOVATION CENTER (G1)
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	io LED
Catalog Number:	LD2B15D010 EU2B15FL409727 2LBDSQC*MMS
Description:	1500 Lumen, 2inch Portfolio LED Downlight
	FLOOD OPTIC
	SQUARE CAST TRIM WITH MATTE METALLIC SILVER
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	913.4 lumens
Efficiency:	N/A
Efficacy:	63.9 lumens/watt
Spacing Criteria (0/90/45):	0.61 / 0.61 / 0.59
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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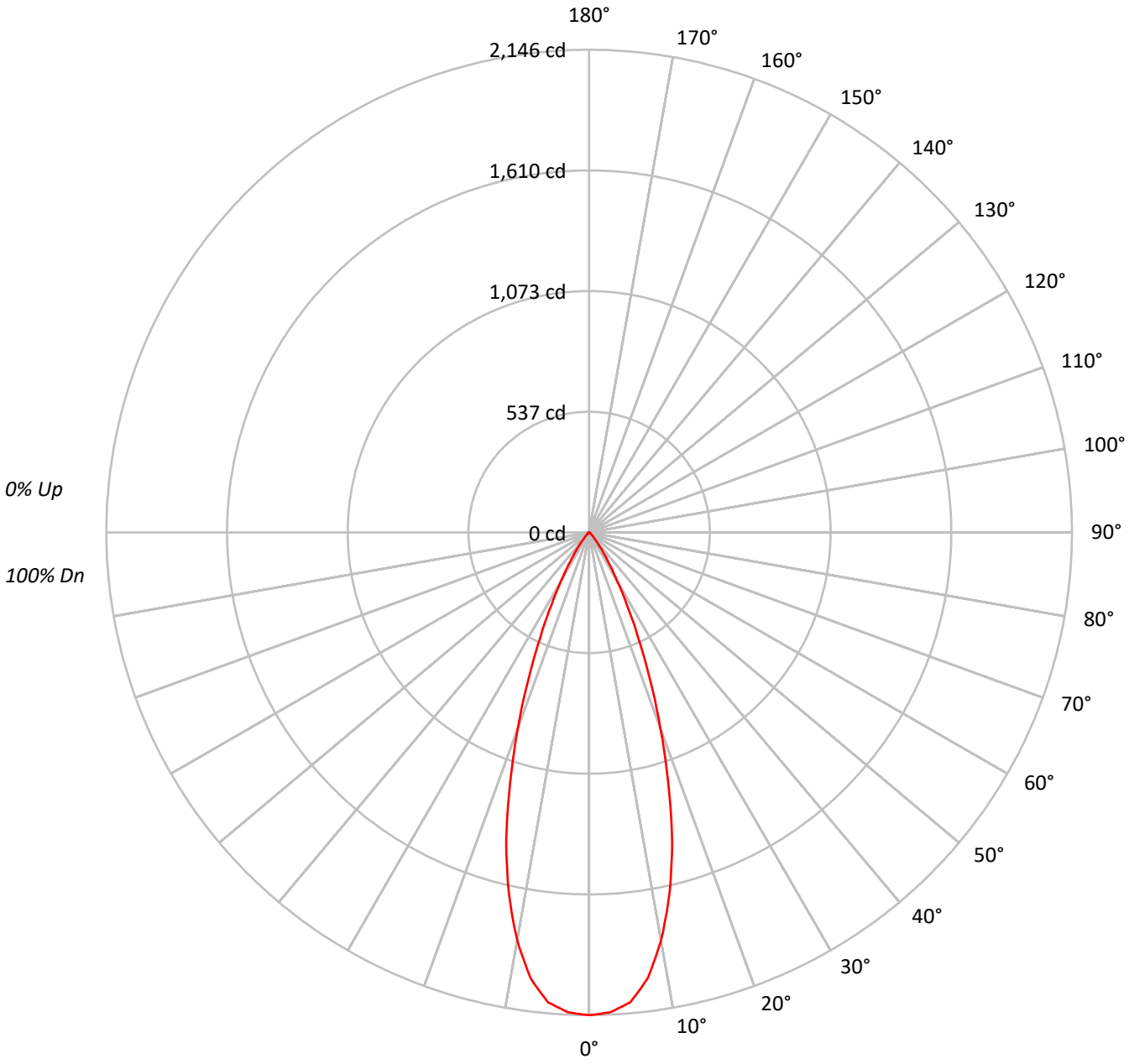
Luminous Intensity Polar Plot



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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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	100	108	104	101	99	101	99	96	98	96	94	95	94	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	79
6	94	87	82	78	93	86	82	78	85	81	78	83	80	77	82	79	77	76
7	91	83	78	75	89	82	78	75	81	77	74	80	77	74	79	76	73	72
8	87	80	75	71	86	79	75	71	78	74	71	77	73	71	76	73	70	69
9	84	76	72	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67
10	81	74	69	66	81	73	69	66	72	68	65	72	68	65	71	68	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	831399
5°	815445
10°	724341
15°	571640
20°	381248
25°	219464
30°	111146
35°	52109
40°	21338
45°	9641
50°	4941
55°	3174
60°	1782
65°	0
70°	0
75°	0
80°	0
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.9	21.0
10°-20°	385.2	42.2
20°-30°	241.3	26.4
30°-40°	74.7	8.2
40°-50°	15.4	1.7
50°-60°	4.3	0.5
60°-70°	0.6	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°	818.4	89.6
0°-40°	893.1	97.8
0°-60°	912.8	99.9
0°-90°	913.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	913.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2146	
5°	2097	192
15°	1426	385
25°	514	241
35°	110	75
45°	18	15
55°	5	4
65°	0	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	2146.4
2.5°	2135.9
5°	2097.2
7.5°	1998.7
10°	1841.6
12.5°	1648.2
15°	1425.5
17.5°	1168.8
20°	924.9
22.5°	703.4
25°	513.5
27.5°	361.1
30°	248.5
32.5°	166.5
35°	110.2
37.5°	69.2
40°	42.2
42.5°	27.0
45°	17.6
47.5°	11.7
50°	8.2
52.5°	5.9
55°	4.7
57.5°	3.5
60°	2.3
62.5°	1.2
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
85°	0.0
87.5°	0.0
90°	0.0

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0°-180°

(END OF REPORT)