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: P279760

Luminaire Tested: **LDA2B159027D010 EU2B15FL409027 2LBALD1WHH**

Issue Date: 3/3/2020

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Test Information

Test Method:	LM-41-14
Report Number:	P279760
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-3)
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	io LED
Catalog Number:	LDA2B159027D010 EU2B15FL409027 2LBALD1WHH
Description:	PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in ADJ spun Refl w/lens Self-Flanged, WHH
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1189.5 lumens
Efficiency:	N/A
Efficacy:	84.4 lumens/watt
Spacing Criteria (0/90/45):	0.61 / 0.61 / 0.55
Luminous Opening:	Circular (Dia: 0.17' x H: 0')
CIE Type:	Direct

Input Watts (W):	14.1
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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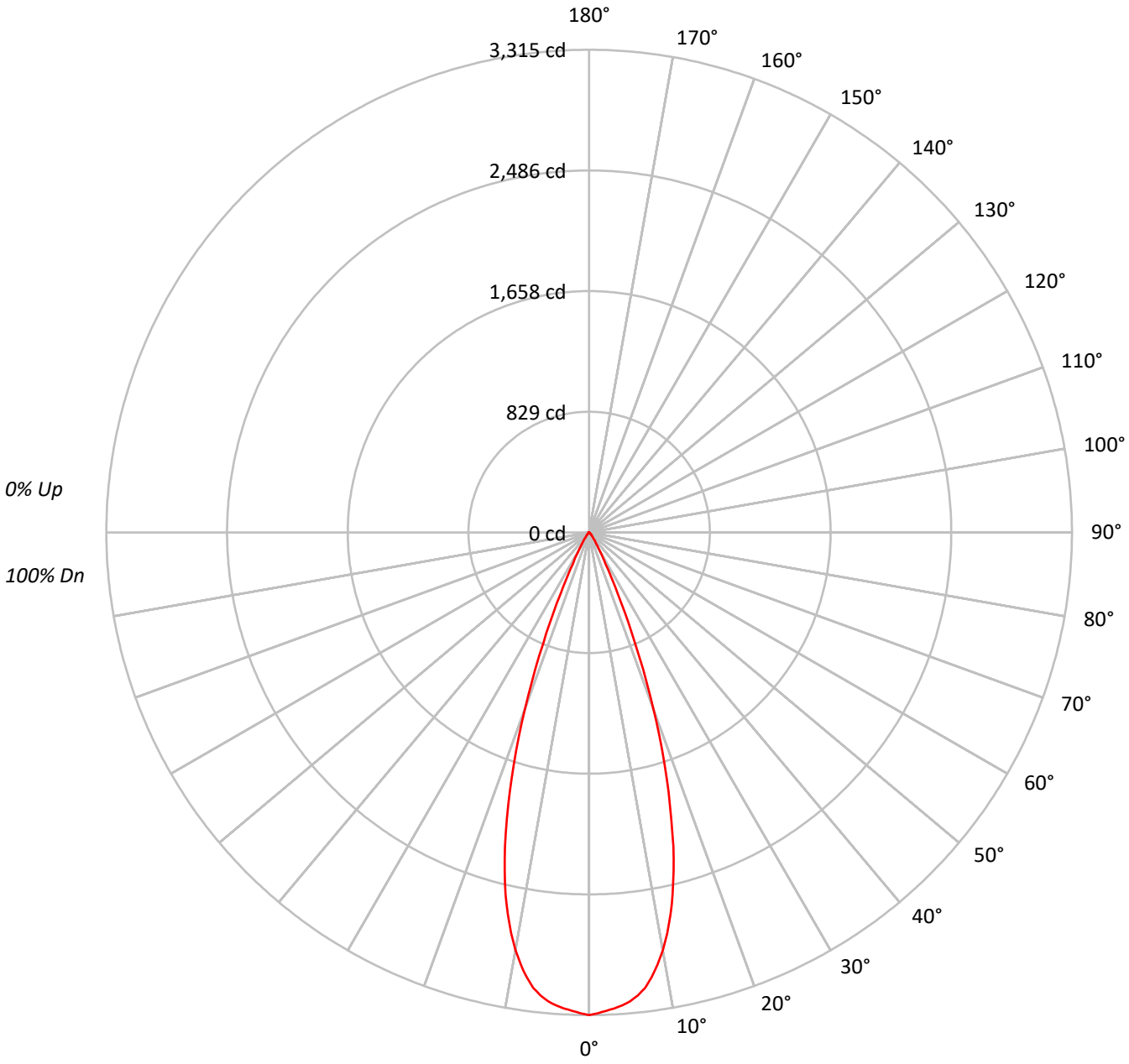
Luminous Intensity Polar Plot



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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	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	94	92	94	92	90	89
4	103	98	93	90	102	97	93	90	95	91	89	93	90	88	91	89	87	85
5	100	94	89	86	98	93	89	86	91	88	85	90	87	84	88	86	84	82
6	97	90	85	82	95	89	85	82	88	84	82	87	83	81	85	83	80	79
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74
9	88	81	76	73	87	80	76	73	79	76	73	79	75	73	78	75	73	72
10	85	78	74	71	84	78	74	71	77	73	71	76	73	70	76	73	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1635692
5°	1601131
10°	1459333
15°	1140029
20°	674919
25°	250898
30°	78389
35°	34872
40°	16165
45°	7605
50°	4221
55°	2322
60°	1085
65°	584
70°	721
75°	0
80°	0
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.8	25.1
10°-20°	594.3	50.0
20°-30°	243.4	20.5
30°-40°	40.3	3.4
40°-50°	9.5	0.8
50°-60°	2.5	0.2
60°-70°	0.6	0.0
70°-80°	0.1	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°	1136.5	95.5
0°-40°	1176.8	98.9
0°-60°	1188.9	99.9
0°-90°	1189.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1189.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3315	
5°	3233	299
15°	2232	594
25°	461	243
35°	58	40
45°	11	10
55°	3	3
65°	0	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	3315.4
1°	3304.0
2°	3288.7
3°	3275.0
4°	3257.0
5°	3233.0
6°	3197.5
7°	3151.1
8°	3085.0
9°	3004.7
10°	2913.0
11°	2806.5
12°	2686.3
13°	2549.3
14°	2396.9
15°	2232.0
17.5°	1770.0
20°	1285.5
22.5°	823.0
25°	460.9
27.5°	243.0
30°	137.6
32.5°	87.4
35°	57.9
37.5°	38.2
40°	25.1
42.5°	16.4
45°	10.9
47.5°	7.6
50°	5.5
52.5°	3.8
55°	2.7
57.5°	1.6
60°	1.1
62.5°	0.5
65°	0.5
67.5°	0.5
70°	0.5
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)