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: P280676

Luminaire Tested: **LDA2B159035D010 EU2B15WFL559035 2LBAD1MW**

Issue Date: 3/3/2020

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Test Information

Test Method:	LM-41-14
Report Number:	P280676
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-5)
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	io LED
Catalog Number:	LDA2B159035D010 EU2B15WFL559035 2LBAD1MW
Description:	PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND 2in ADJ spun Refl, Self-Flanged, MW
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1293.3 lumens
Efficiency:	N/A
Efficacy:	91.7 lumens/watt
Spacing Criteria (0/90/45):	0.74 / 0.74 / 0.73
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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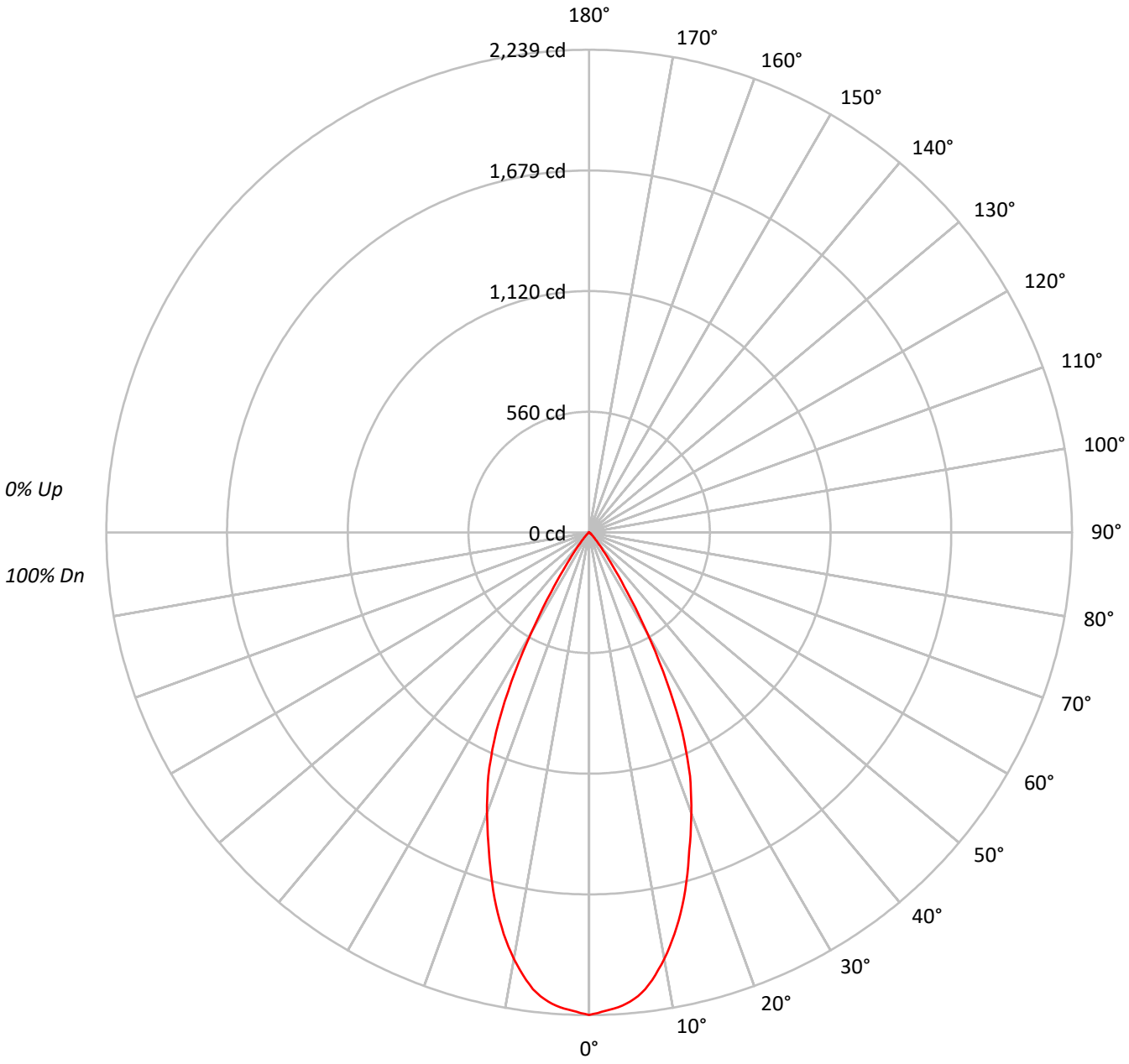
Luminous Intensity Polar Plot



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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	114	112	109	107	112	110	108	106	106	104	103	102	101	99	98	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	80
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65
9	81	73	68	64	80	72	68	64	72	67	64	71	67	64	70	66	64	62
10	78	70	65	61	77	69	64	61	69	64	61	68	64	61	67	63	61	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1104489
5°	1081965
10°	1006154
15°	878517
20°	727317
25°	556286
30°	304383
35°	112687
40°	39029
45°	17583
50°	8289
55°	4129
60°	1184
65°	700
70°	865
75°	0
80°	0
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.0	15.7
10°-20°	475.4	36.8
20°-30°	449.3	34.7
30°-40°	138.3	10.7
40°-50°	21.9	1.7
50°-60°	4.6	0.4
60°-70°	0.7	0.1
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°	1127.7	87.2
0°-40°	1266.0	97.9
0°-60°	1292.5	99.9
0°-90°	1293.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1293.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2239	
5°	2185	203
15°	1720	475
25°	1022	449
35°	187	138
45°	25	22
55°	5	5
65°	1	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	2238.7
1°	2230.3
2°	2220.1
3°	2211.7
4°	2200.9
5°	2184.7
6°	2163.8
7°	2135.6
8°	2097.8
9°	2054.0
10°	2008.4
11°	1958.1
12°	1904.7
13°	1846.5
14°	1785.9
15°	1720.0
17.5°	1545.5
20°	1385.3
22.5°	1222.8
25°	1021.9
27.5°	779.6
30°	534.3
32.5°	328.0
35°	187.1
37.5°	104.3
40°	60.6
42.5°	37.8
45°	25.2
47.5°	16.8
50°	10.8
52.5°	7.2
55°	4.8
57.5°	3.0
60°	1.2
62.5°	0.6
65°	0.6
67.5°	0.6
70°	0.6
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)