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: P280261

Luminaire Tested: **LDA2B059050D010 EU2B05WFL559050 2LBAD1B**

Issue Date: 3/3/2020

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Test Information

Test Method:	LM-41-14
Report Number:	P280261
	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:	LDA2B059050D010 EU2B05WFL559050 2LBAD1B
Description:	PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND 2in ADJ spun Refl, Self-Flanged, B
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	742.2 lumens
Efficiency:	N/A
Efficacy:	106.0 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):	7
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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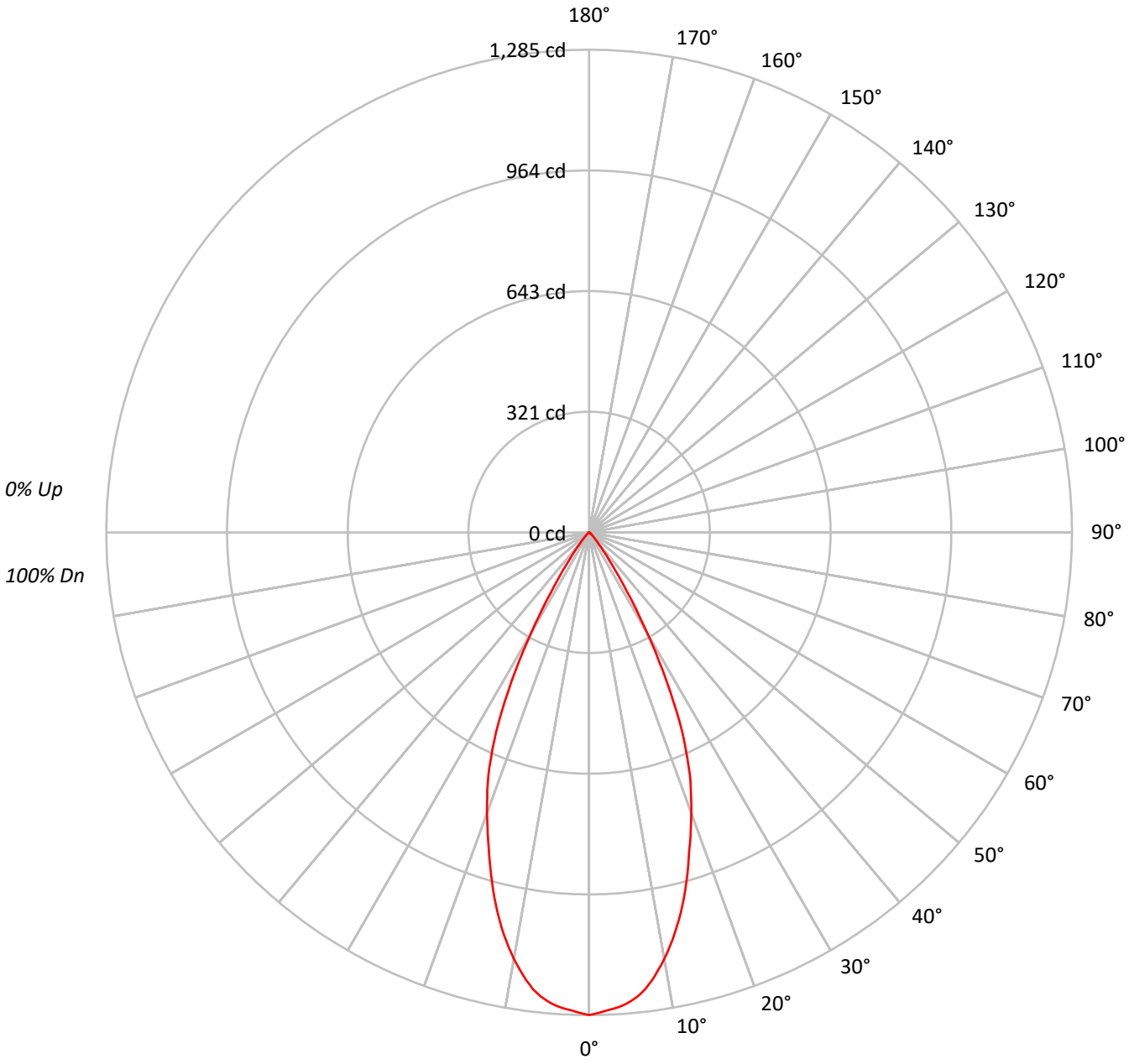
Luminous Intensity Polar Plot



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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	60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	633921
5°	620989
10°	577471
15°	504177
20°	417447
25°	319270
30°	174722
35°	64685
40°	22413
45°	10117
50°	4759
55°	2408
60°	691
65°	350
70°	433
75°	0
80°	0
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.5	15.7
10°-20°	272.8	36.8
20°-30°	257.9	34.7
30°-40°	79.4	10.7
40°-50°	12.6	1.7
50°-60°	2.7	0.4
60°-70°	0.3	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°	647.2	87.2
0°-40°	726.6	97.9
0°-60°	741.8	99.9
0°-90°	742.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	742.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1285	
5°	1254	117
15°	987	273
25°	586	258
35°	107	79
45°	14	13
55°	3	3
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1284.9
1°	1280.1
2°	1274.2
3°	1269.4
4°	1263.2
5°	1253.9
6°	1241.9
7°	1225.7
8°	1204.0
9°	1178.9
10°	1152.7
11°	1123.8
12°	1093.2
13°	1059.8
14°	1025.0
15°	987.1
17.5°	887.0
20°	795.1
22.5°	701.8
25°	586.5
27.5°	447.5
30°	306.7
32.5°	188.3
35°	107.4
37.5°	59.9
40°	34.8
42.5°	21.7
45°	14.5
47.5°	9.6
50°	6.2
52.5°	4.1
55°	2.8
57.5°	1.7
60°	0.7
62.5°	0.3
65°	0.3
67.5°	0.3
70°	0.3
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)