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: P224943

Luminaire Tested: **LD2B10D010 EU2B10FL408040 2LBD*H**

Issue Date: 3/3/2020

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Test Information

Test Method:	LM-41-14
Report Number:	P224943
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (156)
Test Lab:	INNOVATION CENTER-P2
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	io LED
Catalog Number:	LD2B10D010 EU2B10FL408040 2LBD*H
Description:	1000 Lumen, 2inch Portfolio LED Downlight
	FLOOD OPTIC
	SPUN ROUND TRIM WITH HAZE FINISH
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1075.4 lumens
Efficiency:	N/A
Efficacy:	104.4 lumens/watt
Spacing Criteria (0/90/45):	0.6 / 0.6 / 0.59
Luminous Opening:	Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type:	Direct

Input Watts (W):	10.3
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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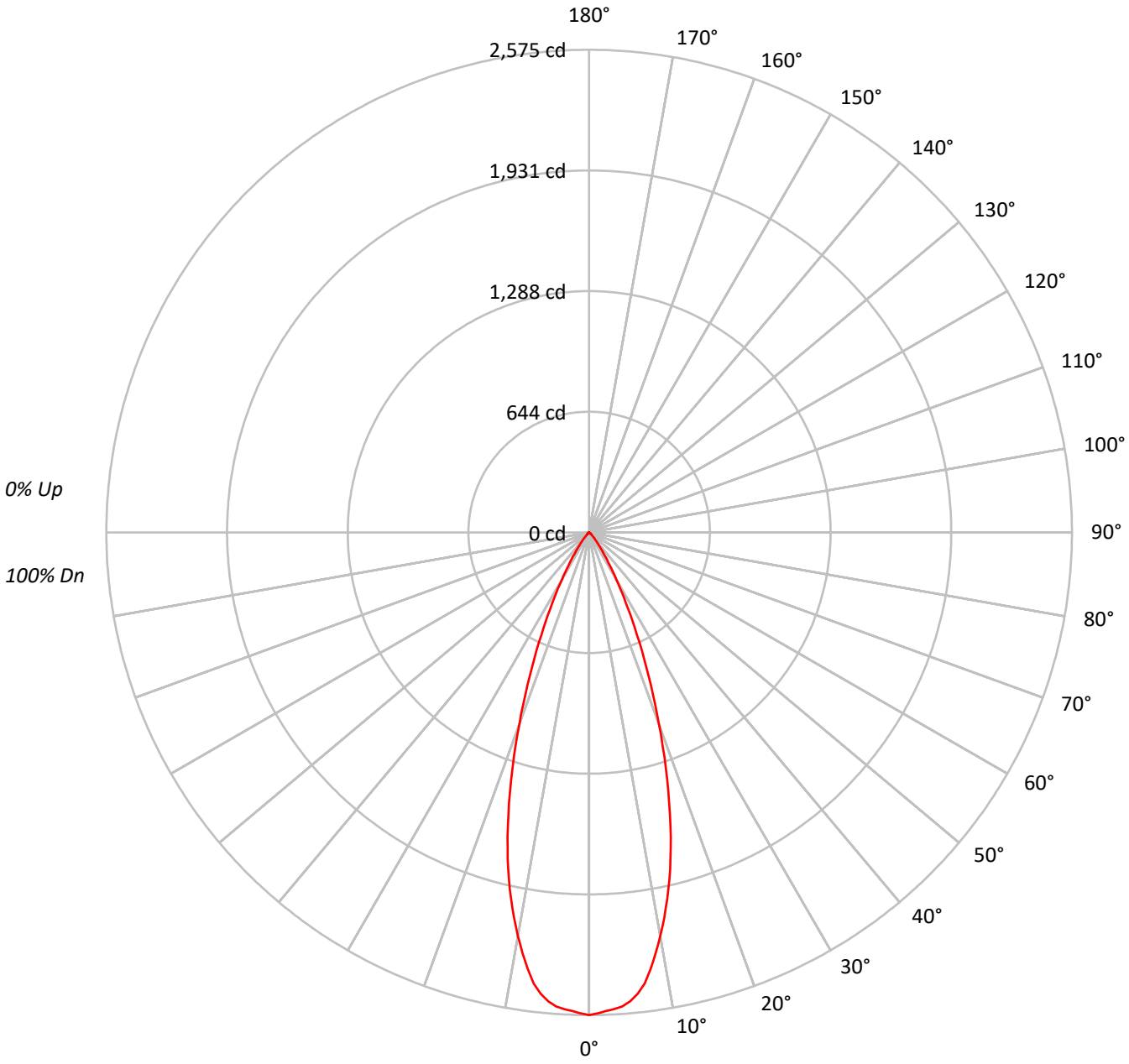
Luminous Intensity Polar Plot



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	997493
5°	976574
10°	860076
15°	674820
20°	448108
25°	257245
30°	128992
35°	59581
40°	24220
45°	10846
50°	5664
55°	3512
60°	1627
65°	0
70°	0
75°	0
80°	0
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.4	21.3
10°-20°	455.5	42.4
20°-30°	283.0	26.3
30°-40°	85.4	7.9
40°-50°	17.4	1.6
50°-60°	4.5	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°	967.9	90.0
0°-40°	1053.2	97.9
0°-60°	1075.1	100.0
0°-90°	1075.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1075.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2575	
5°	2512	229
15°	1683	455
25°	602	283
35°	126	85
45°	20	17
55°	5	4
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	2575.2
1°	2566.8
2°	2555.4
3°	2547.0
4°	2534.5
5°	2511.6
6°	2475.2
7°	2425.2
8°	2353.4
9°	2272.1
10°	2186.7
11°	2096.2
12°	2001.4
13°	1902.5
14°	1794.2
15°	1682.8
17.5°	1383.9
20°	1087.1
22.5°	824.7
25°	601.9
27.5°	424.9
30°	288.4
32.5°	189.5
35°	126.0
37.5°	78.1
40°	47.9
42.5°	31.2
45°	19.8
47.5°	12.5
50°	9.4
52.5°	6.2
55°	5.2
57.5°	3.1
60°	2.1
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)