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: P222805

Luminaire Tested: **LSSQ2B10NFL259030D2WD010 2LBDL*LI**

Issue Date: 3/3/2020

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Test Information

Test Method:	LM-41-14
Report Number:	P222805
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (155)
Test Lab:	INNOVATION CENTER-P2
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	io LED
Catalog Number:	LSSQ2B10NFL259030D2WD010 2LBDL*LI
Description:	1000 Lumen, 2inch Portfolio LED Cylinder
	NARROW FLOOD OPTIC
	LENSED SPUN ROUND TRIM WITH LI FINISH
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	570.6 lumens
Efficiency:	N/A
Efficacy:	55.4 lumens/watt
Spacing Criteria (0/90/45):	0.39 / 0.39 / 0.35
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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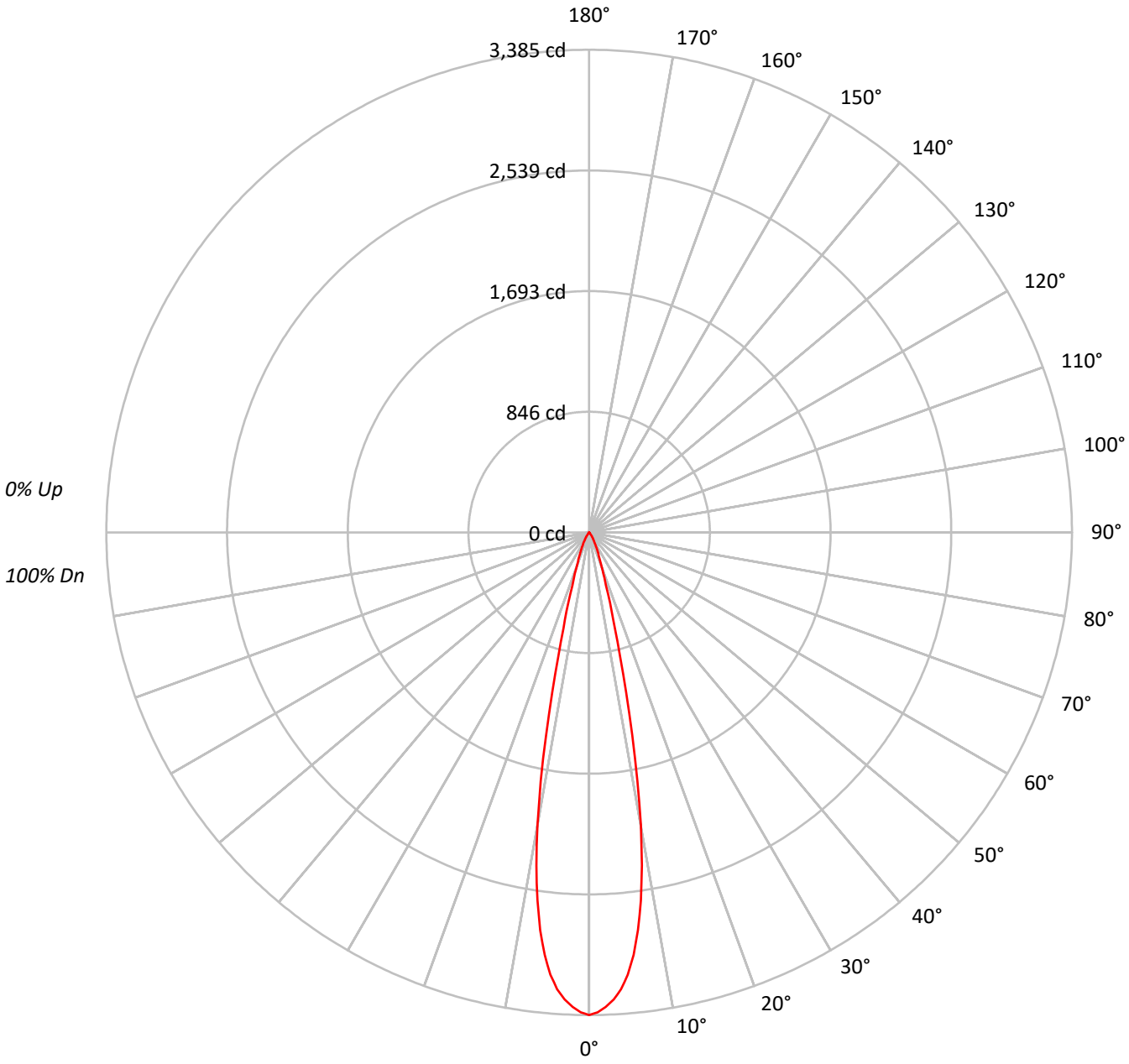
Luminous Intensity Polar Plot



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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	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97
2	112	109	106	104	110	107	104	102	104	102	100	101	99	98	98	97	96	95
3	109	105	101	99	107	103	100	98	101	98	96	99	97	95	96	95	93	92
4	106	101	97	95	104	100	97	94	98	95	93	96	94	92	95	93	91	90
5	103	98	94	91	102	97	94	91	95	92	90	94	91	89	93	90	89	88
6	101	95	91	89	99	94	91	88	93	90	88	92	89	87	91	88	87	86
7	98	92	89	86	97	92	88	86	91	88	85	90	87	85	89	86	85	84
8	96	90	86	84	95	90	86	84	89	86	83	88	85	83	87	85	83	82
9	94	88	84	82	93	88	84	82	87	84	82	86	83	81	85	83	81	80
10	92	86	82	80	91	86	82	80	85	82	80	84	82	80	84	81	79	79

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1311282
5°	1210725
10°	819525
15°	278822
20°	102433
25°	54278
30°	27910
35°	13004
40°	4247
45°	2136
50°	1024
55°	405
60°	465
65°	0
70°	0
75°	0
80°	0
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.9	46.4
10°-20°	222.7	39.0
20°-30°	61.1	10.7
30°-40°	17.8	3.1
40°-50°	3.3	0.6
50°-60°	0.8	0.1
60°-70°	0.1	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°	548.7	96.2
0°-40°	566.5	99.3
0°-60°	570.6	100.0
0°-90°	570.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	570.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3385	
5°	3114	265
15°	695	223
25°	127	61
35°	28	18
45°	4	3
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	3385.3
1°	3365.7
2°	3330.9
3°	3280.8
4°	3212.2
5°	3113.8
6°	2979.5
7°	2811.5
8°	2606.3
9°	2364.1
10°	2083.6
11°	1776.1
12°	1456.3
13°	1151.1
14°	890.9
15°	695.3
17.5°	392.3
20°	248.5
22.5°	177.1
25°	127.0
27.5°	89.9
30°	62.4
32.5°	43.9
35°	27.5
37.5°	11.2
40°	8.4
42.5°	6.2
45°	3.9
47.5°	2.2
50°	1.7
52.5°	1.1
55°	0.6
57.5°	0.6
60°	0.6
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)