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: P224982

Luminaire Tested: **LSSQWM2B15FL409050D010 2LBDL*LI**

Issue Date: 3/3/2020

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Test Information

Test Method:	LM-41-14
Report Number:	P224982
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (152)
Test Lab:	INNOVATION CENTER-P2
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	io LED
Catalog Number:	LSSQWM2B15FL409050D010 2LBDL*LI
Description:	1500 Lumen, 2inch Portfolio LED Cylinder
	FLOOD OPTIC
	LENSED SPUN ROUND TRIM WITH LI FINISH
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1143.9 lumens
Efficiency:	N/A
Efficacy:	80.0 lumens/watt
Spacing Criteria (0/90/45):	0.59 / 0.59 / 0.58
Luminous Opening:	Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type:	Direct

Input Watts (W):	14.3
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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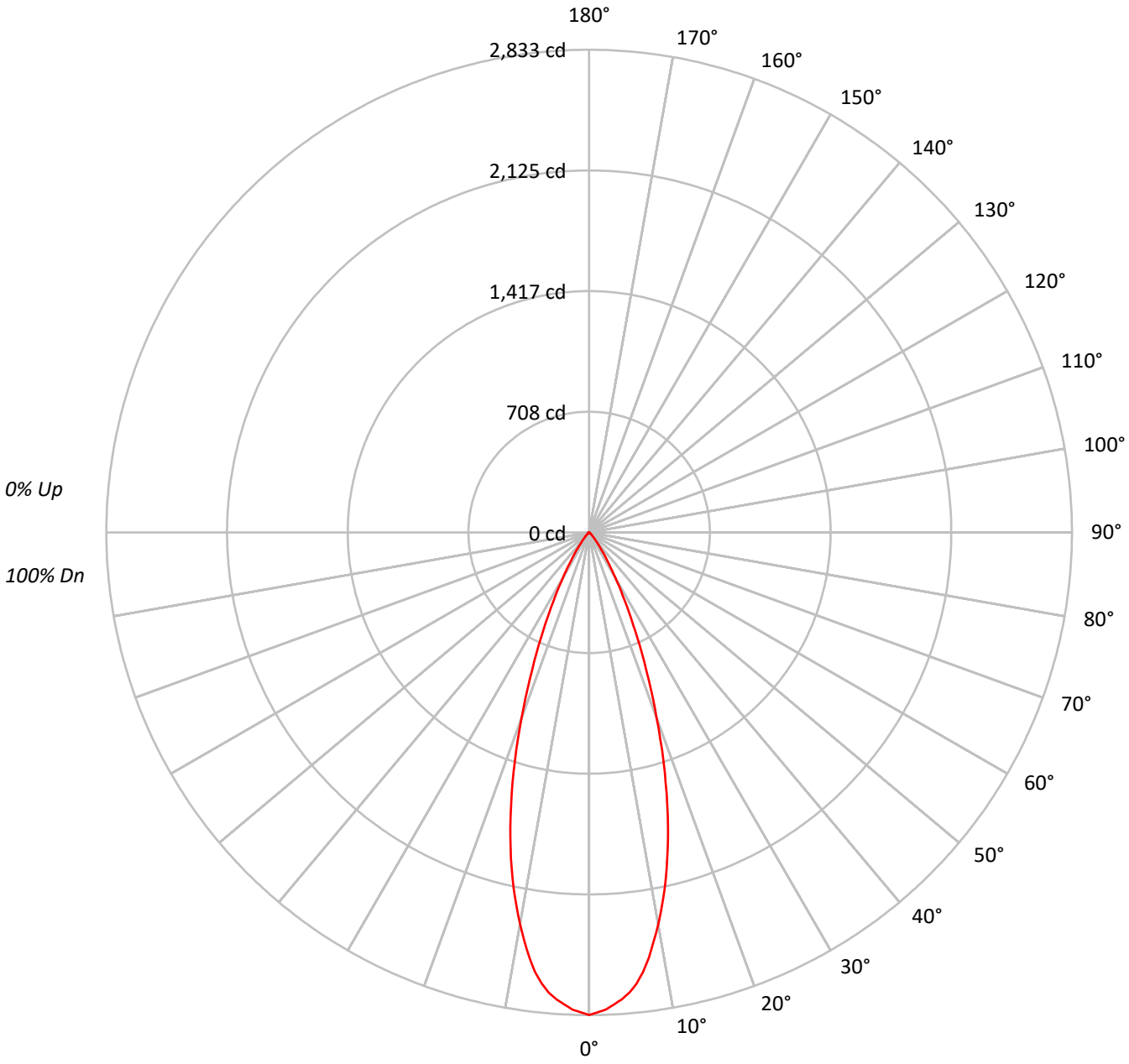
Luminous Intensity Polar Plot



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1097312
5°	1054456
10°	917934
15°	716765
20°	476674
25°	272973
30°	135701
35°	62371
40°	25029
45°	11449
50°	5303
55°	2971
60°	1704
65°	0
70°	0
75°	0
80°	0
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.8	21.6
10°-20°	484.7	42.4
20°-30°	300.0	26.2
30°-40°	89.8	7.8
40°-50°	18.0	1.6
50°-60°	4.4	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°	1031.5	90.2
0°-40°	1121.2	98.0
0°-60°	1143.6	100.0
0°-90°	1143.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1143.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2833	
5°	2712	247
15°	1787	485
25°	639	300
35°	132	90
45°	21	18
55°	4	4
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	2832.9
1°	2817.5
2°	2803.2
3°	2774.6
4°	2748.2
5°	2711.9
6°	2662.5
7°	2599.8
8°	2519.6
9°	2428.3
10°	2333.8
11°	2235.9
12°	2131.5
13°	2022.7
14°	1906.2
15°	1787.4
17.5°	1474.1
20°	1156.4
22.5°	875.0
25°	638.7
27.5°	448.5
30°	303.4
32.5°	200.1
35°	131.9
37.5°	82.4
40°	49.5
42.5°	31.9
45°	20.9
47.5°	13.2
50°	8.8
52.5°	6.6
55°	4.4
57.5°	3.3
60°	2.2
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)