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: P225307

Luminaire Tested: **LSSQWM2B15FL409030D010 2LBDC*MMS**

Issue Date: 3/3/2020

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Scaled Data Report

Test Information

Test Method:	LM-41-14
Report Number:	P225307
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14835)
Test Lab:	INNOVATION CENTER (G1)
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	io LED
Catalog Number:	LSSQWM2B15FL409030D010 2LBDC*MMS
Description:	1500 Lumen, 2inch Portfolio LED Cylinder
	FLOOD OPTIC
	CAST ROUND TRIM WITH MATTE METALLIC SILVER
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1115.2 lumens
Efficiency:	N/A
Efficacy:	78.0 lumens/watt
Spacing Criteria (0/90/45):	0.61 / 0.61 / 0.59
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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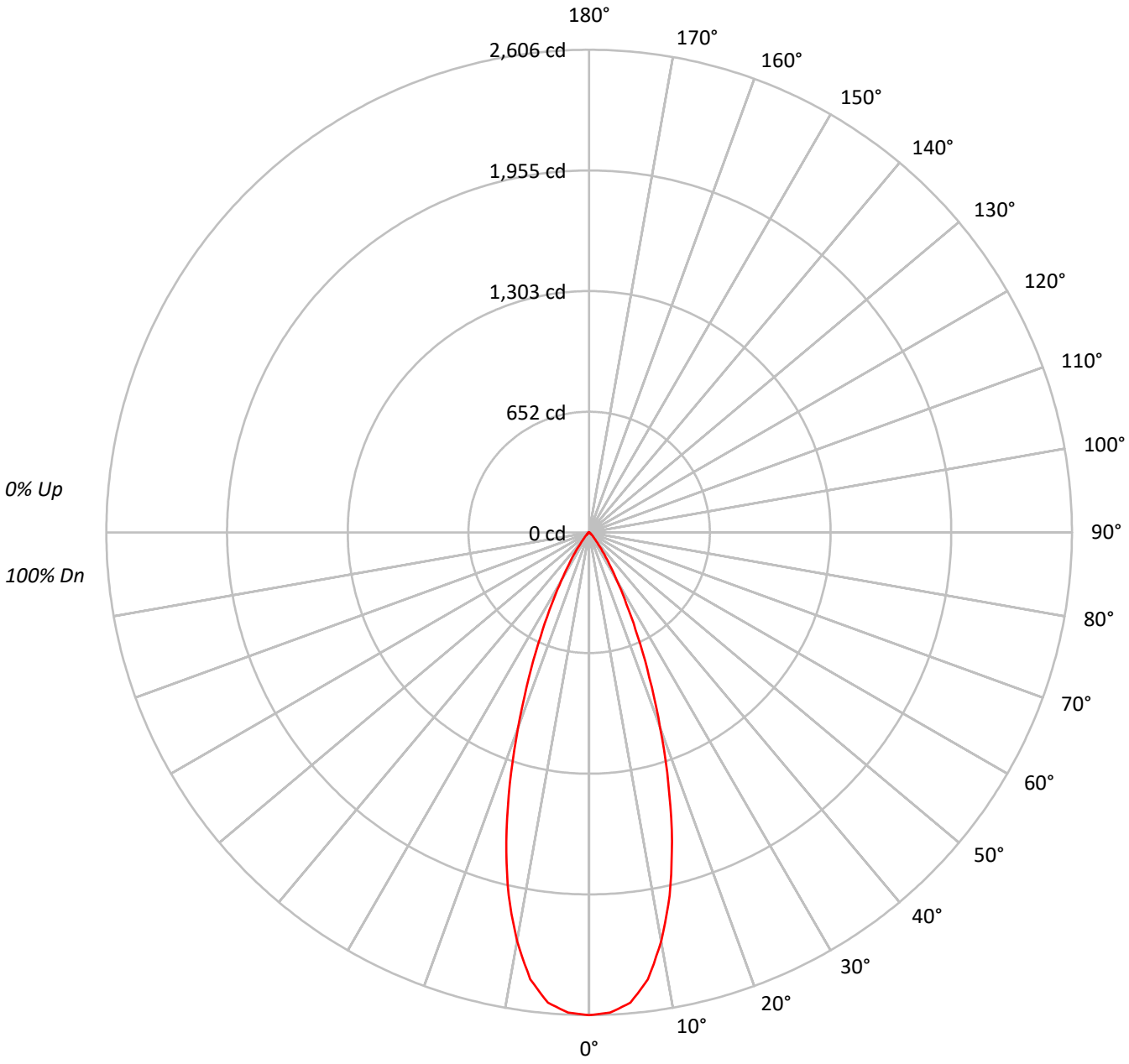
Luminous Intensity Polar Plot



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1009617
5°	991194
10°	881119
15°	692986
20°	461134
25°	264725
30°	133733
35°	62891
40°	25333
45°	12544
50°	6870
55°	4862
60°	4416
65°	2658
70°	3284
75°	2095
80°	3123
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.5	20.9
10°-20°	468.1	42.0
20°-30°	291.2	26.1
30°-40°	89.5	8.0
40°-50°	19.7	1.8
50°-60°	7.0	0.6
60°-70°	3.6	0.3
70°-80°	2.1	0.2
80°-90°	0.6	0.1
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°	992.8	89.0
0°-40°	1082.3	97.1
0°-60°	1109.0	99.4
0°-90°	1115.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1115.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2606	
5°	2549	233
15°	1728	468
25°	619	291
35°	133	90
45°	23	20
55°	7	7
65°	3	4
75°	1	2
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	2606.5
2.5°	2595.0
5°	2549.2
7.5°	2433.4
10°	2240.2
12.5°	2008.5
15°	1728.1
17.5°	1422.0
20°	1118.7
22.5°	848.3
25°	619.4
27.5°	436.3
30°	299.0
32.5°	201.7
35°	133.0
37.5°	80.1
40°	50.1
42.5°	34.3
45°	22.9
47.5°	15.7
50°	11.4
52.5°	10.0
55°	7.2
57.5°	5.7
60°	5.7
62.5°	4.3
65°	2.9
67.5°	2.9
70°	2.9
72.5°	2.9
75°	1.4
77.5°	1.4
80°	1.4
82.5°	1.4
85°	0.0
87.5°	0.0
90°	0.0

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0°-180°

(END OF REPORT)