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: P223561

Luminaire Tested: **LSSQWM2B05SP159730D010 2LBDC*MW**

Issue Date: 3/3/2020

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Test Information

Test Method:	LM-41-14
Report Number:	P223561
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (150)
Test Lab:	INNOVATION CENTER-P2
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	io LED
Catalog Number:	LSSQWM2B05SP159730D010 2LBDC*MW
Description:	500 Lumen, 2inch Portfolio LED Cylinder
	SPOT OPTIC
	CAST ROUND TRIM WITH MATTE WHITE FINISH
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	332.0 lumens
Efficiency:	N/A
Efficacy:	45.5 lumens/watt
Spacing Criteria (0/90/45):	0.24 / 0.24 / 0.23
Luminous Opening:	Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type:	Direct

Input Watts (W):	7.3
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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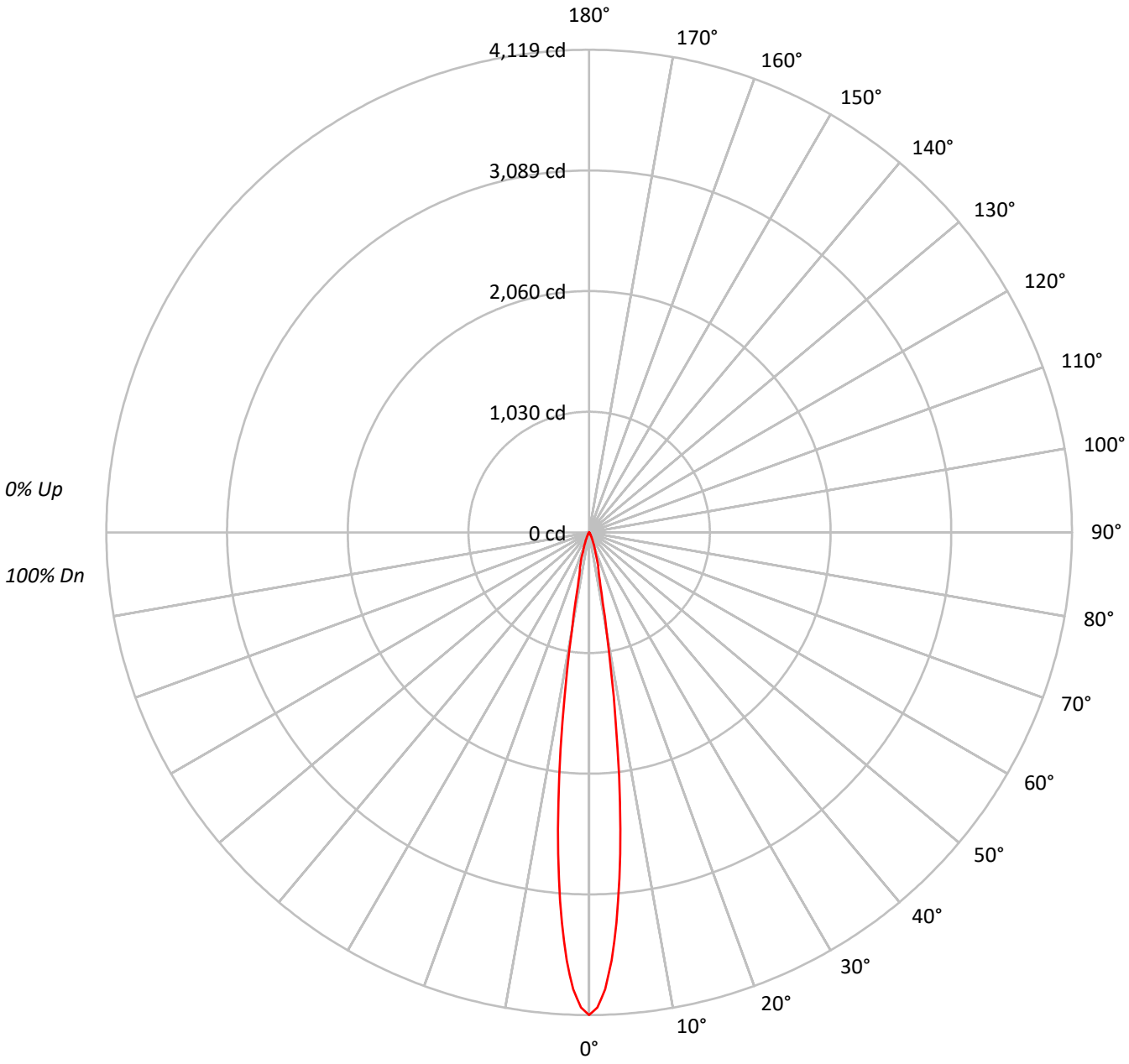
Luminous Intensity Polar Plot



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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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	99	98	96
3	110	106	103	101	108	105	102	100	102	100	98	100	98	97	98	97	96	94
4	108	103	100	97	106	102	99	97	100	98	96	98	96	95	97	95	94	93
5	105	101	97	95	104	100	97	94	98	96	94	97	95	93	95	94	92	91
6	103	98	95	93	102	98	95	92	96	94	92	95	93	91	94	92	91	90
7	101	96	93	91	100	96	93	90	95	92	90	94	91	90	93	91	89	88
8	100	94	91	89	99	94	91	89	93	90	89	92	90	88	92	89	88	87
9	98	93	90	88	97	92	89	87	92	89	87	91	89	87	90	88	87	86
10	96	91	88	86	96	91	88	86	90	88	86	90	87	86	89	87	86	85

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1595323
5°	1153257
10°	335739
15°	117817
20°	50454
25°	22694
30°	8766
35°	4350
40°	2933
45°	1917
50°	1024
55°	810
60°	465
65°	0
70°	0
75°	0
80°	0
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.9	63.2
10°-20°	85.4	25.7
20°-30°	26.2	7.9
30°-40°	6.5	1.9
40°-50°	2.7	0.8
50°-60°	1.2	0.4
60°-70°	0.2	0.1
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°	321.5	96.8
0°-40°	327.9	98.8
0°-60°	331.8	99.9
0°-90°	332.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	332.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4119	
5°	2966	210
15°	294	85
25°	53	26
35°	9	6
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°	4118.6
1°	4055.7
2°	3902.2
3°	3657.5
4°	3337.7
5°	2966.0
6°	2547.0
7°	2092.2
8°	1631.1
9°	1199.9
10°	853.6
11°	611.8
12°	460.0
13°	374.6
14°	327.8
15°	293.8
17.5°	181.2
20°	122.4
22.5°	82.0
25°	53.1
27.5°	32.3
30°	19.6
32.5°	12.7
35°	9.2
37.5°	7.5
40°	5.8
42.5°	4.6
45°	3.5
47.5°	2.3
50°	1.7
52.5°	1.7
55°	1.2
57.5°	1.2
60°	0.6
62.5°	0.6
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)