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: P223741

Luminaire Tested: **LSSQWM2B05SP159040D010 2LBDL*LI**

Issue Date: 3/3/2020

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Test Information

Test Method:	LM-41-14
Report Number:	P223741
	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:	LSSQWM2B05SP159040D010 2LBDL*LI
Description:	500 Lumen, 2inch Portfolio LED Cylinder
	SPOT OPTIC
	LENSED SPUN ROUND TRIM WITH LI FINISH
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	348.0 lumens
Efficiency:	N/A
Efficacy:	47.7 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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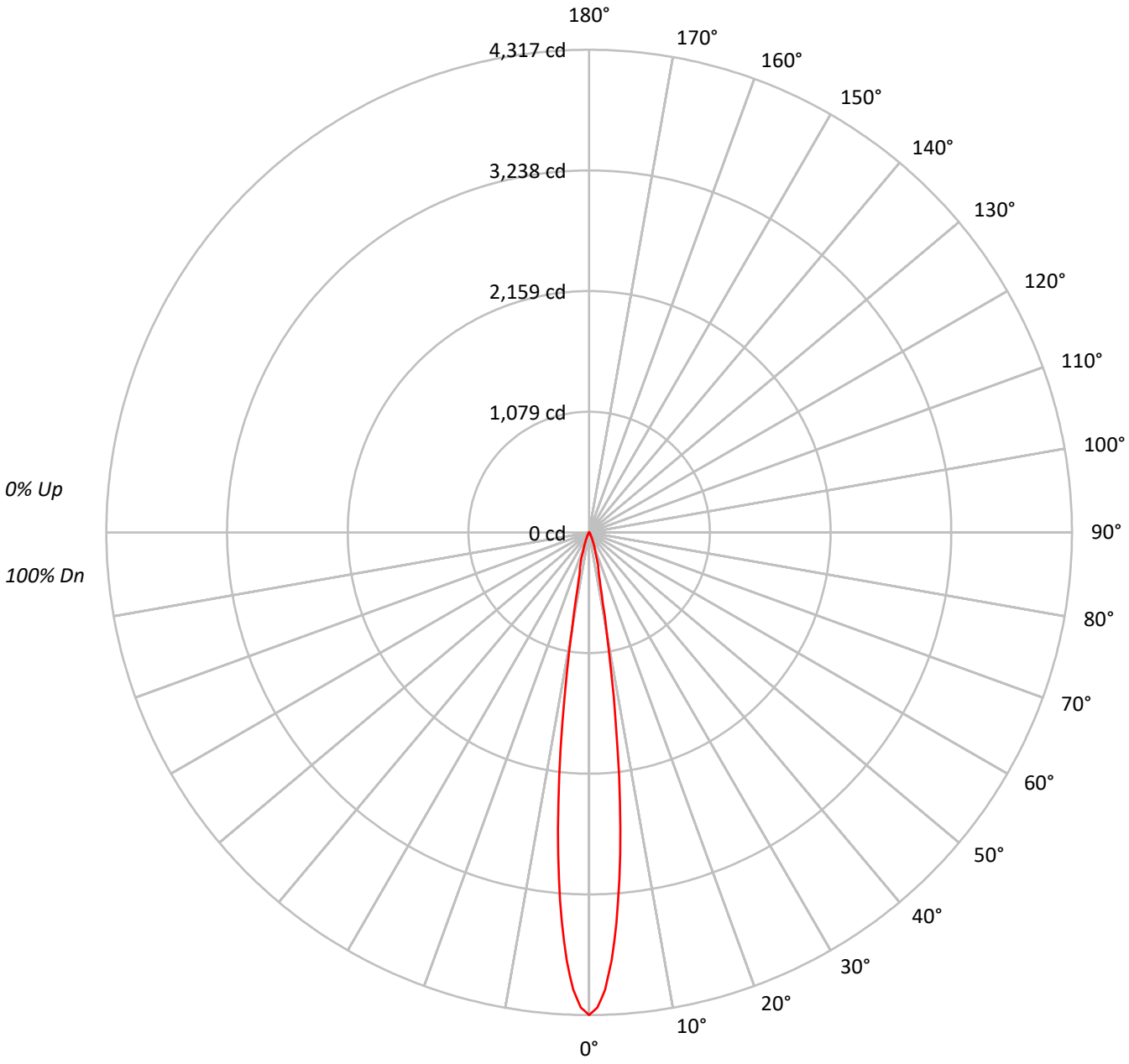
Luminous Intensity Polar Plot



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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	99	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	96	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	90	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°	1672211
5°	1208859
10°	351944
15°	123471
20°	52886
25°	23806
30°	9214
35°	4587
40°	3034
45°	1972
50°	1085
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°	220.0	63.2
10°-20°	89.5	25.7
20°-30°	27.5	7.9
30°-40°	6.8	1.9
40°-50°	2.8	0.8
50°-60°	1.2	0.3
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°	337.0	96.8
0°-40°	343.8	98.8
0°-60°	347.8	99.9
0°-90°	348.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	348.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4317	
5°	3109	220
15°	308	90
25°	56	27
35°	10	7
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°	4317.1
1°	4251.2
2°	4090.2
3°	3833.7
4°	3498.6
5°	3109.0
6°	2669.8
7°	2193.0
8°	1709.7
9°	1257.7
10°	894.8
11°	641.3
12°	482.2
13°	392.6
14°	343.6
15°	307.9
17.5°	190.0
20°	128.3
22.5°	85.9
25°	55.7
27.5°	33.9
30°	20.6
32.5°	13.3
35°	9.7
37.5°	7.9
40°	6.0
42.5°	4.8
45°	3.6
47.5°	2.4
50°	1.8
52.5°	1.8
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)