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: P224178

Luminaire Tested: **LSRWM2B10SP158030D010 2LBDL*WH**

Issue Date: 3/3/2020

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Test Information

Test Method:	LM-41-14
Report Number:	P224178
	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:	LSRWM2B10SP158030D010 2LBDL*WH
Description:	1000 Lumen, 2inch Portfolio LED Cylinder
	SPOT OPTIC
	LENSED SPUN ROUND TRIM WITH WHEAT HAZE FINISH
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	544.4 lumens
Efficiency:	N/A
Efficacy:	52.9 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

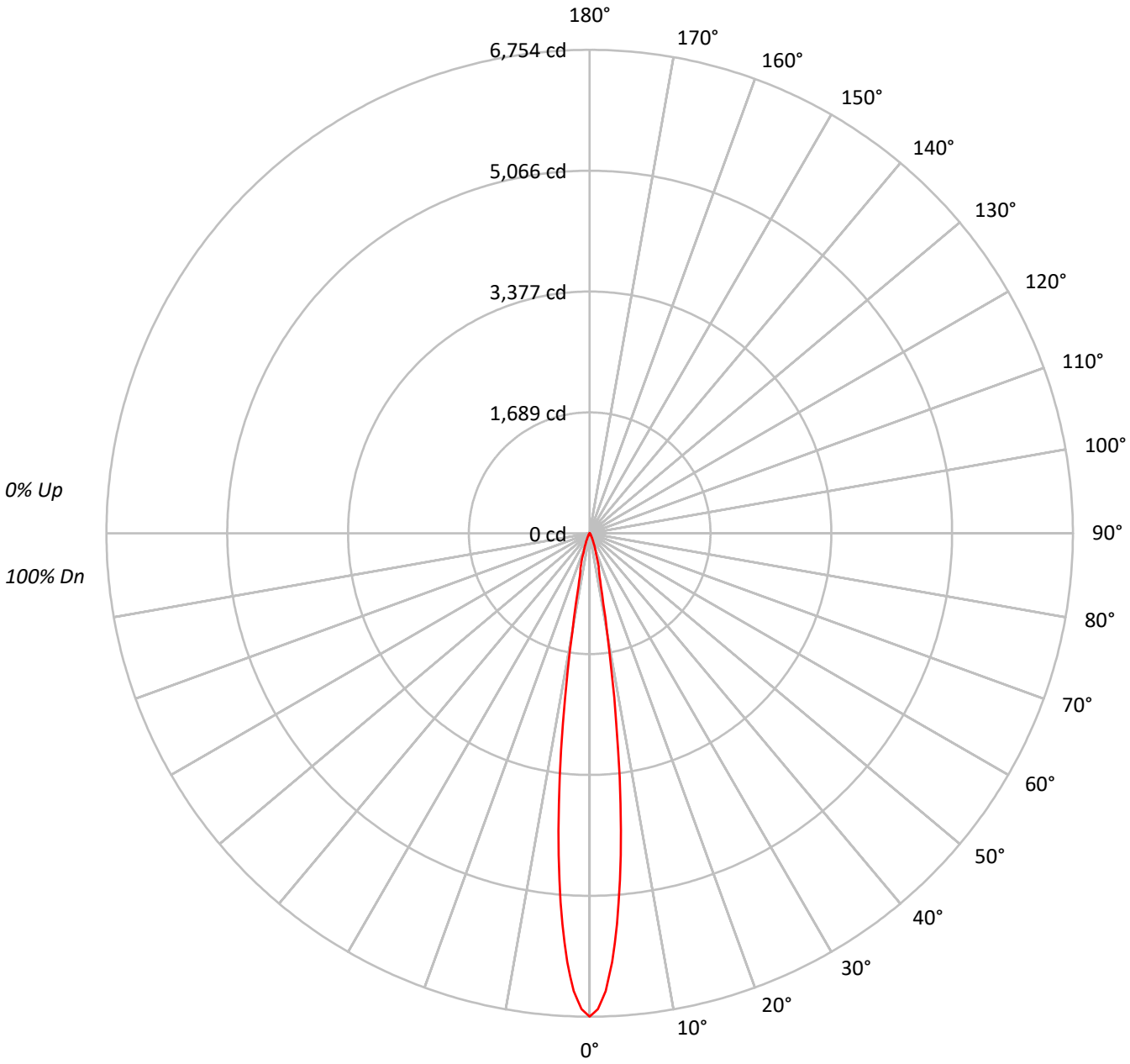
Input Watts (W):	10.3
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	25 FT

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P224178
CATALOG NUMBER: LSRWM2B10SP158030D010 2LBDL*WH

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P224178
CATALOG NUMBER: LSRWM2B10SP158030D010 2LBDL*WH

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°	2615941
5°	1891092
10°	550532
15°	193167
20°	82688
25°	37226
30°	14402
35°	7140
40°	4804
45°	3122
50°	1687
55°	1283
60°	697
65°	0
70°	0
75°	0
80°	0
85°	0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P224178
CATALOG NUMBER: LSRWM2B10SP158030D010 2LBDL*WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.2	63.2
10°-20°	140.0	25.7
20°-30°	43.0	7.9
30°-40°	10.6	1.9
40°-50°	4.4	0.8
50°-60°	1.9	0.3
60°-70°	0.3	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°	527.2	96.8
0°-40°	537.7	98.8
0°-60°	544.1	99.9
0°-90°	544.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	544.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6754	
5°	4864	344
15°	482	140
25°	87	43
35°	15	11
45°	6	4
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P224178
CATALOG NUMBER: LSRWM2B10SP158030D010 2LBDL*WH

CANDELA DISTRIBUTION (FULL):

	0°
0°	6753.5
1°	6650.4
2°	6398.6
3°	5997.4
4°	5473.1
5°	4863.6
6°	4176.5
7°	3430.7
8°	2674.5
9°	1967.6
10°	1399.7
11°	1003.2
12°	754.3
13°	614.2
14°	537.6
15°	481.7
17.5°	297.2
20°	200.6
22.5°	134.4
25°	87.1
27.5°	53.0
30°	32.2
32.5°	20.8
35°	15.1
37.5°	12.3
40°	9.5
42.5°	7.6
45°	5.7
47.5°	3.8
50°	2.8
52.5°	2.8
55°	1.9
57.5°	1.9
60°	0.9
62.5°	0.9
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

TEST NUMBER: P224178
CATALOG NUMBER: LSRWM2B10SP158030D010 2LBDL*WH

CANDELA DISTRIBUTION (continued):

	0°
90°	*0.0*

Report Generated By E9808895 / USPTCWHP6082093

0°-180°

85°	*0.0*
87.5°	*0.0*

(END OF REPORT)