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: P203317

Luminaire Tested: **LSR6B10D010BZ EC6B10208050 6LBMWH1**

Issue Date: 3/3/2020

Test Information

Test Method:	LM-41-14
Report Number:	P203317
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)
Test Lab:	INNOVATION CENTER-P3
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	io LED
Catalog Number:	LSR6B10D010BZ EC6B10208050 6LBMWH1
Description:	PORTFOLIO 6IN CYLINDER
	MEDIUM DISTRIBUTION WITH WHEAT TRIM
	WATTAGE D010TR-10.05 W DE010-10.58 W D5LT-10.2 W DMX-10.6 W DL2-11.8 W DL3-11.1 W DLE-11.39 W
Light Source:	HIGH LUMEN LED
Ballast/Driver:	ELECTRONIC DRIVER

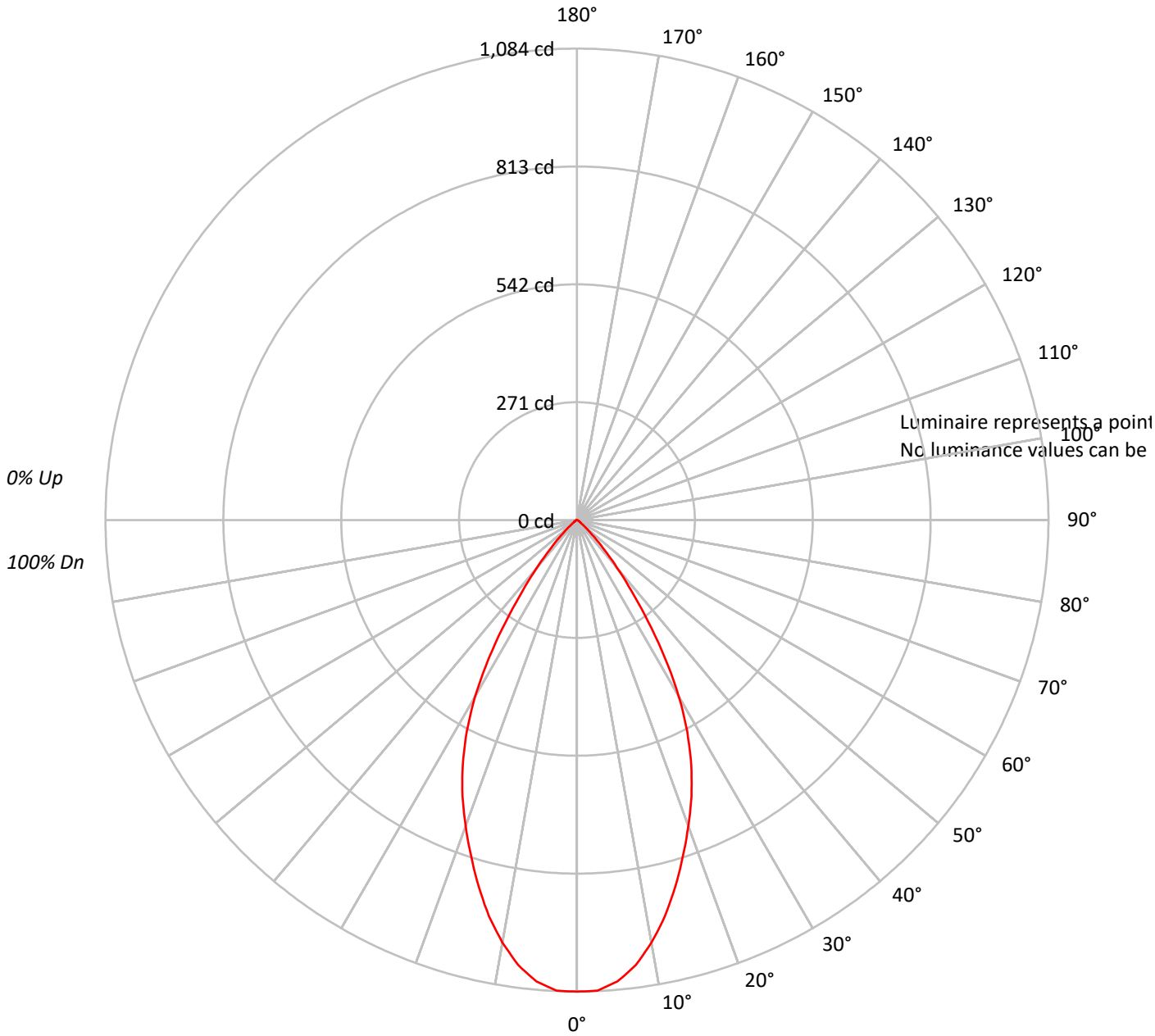
Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	869.3 lumens
Efficiency:	N/A
Efficacy:	87.8 lumens/watt
Spacing Criteria (0/90/45):	0.83 / 0.83 / 0.85
Luminous Opening:	Point Source (0' x 0' x 0')
CIE Type:	Direct

Input Watts (W):	9.9
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

TEST NUMBER: P203317
CATALOG NUMBER: LSR6B10D010BZ EC6B10208050 6LBMWH1

Luminous Intensity Polar Plot



TEST NUMBER: P203317
CATALOG NUMBER: LSR6B10D010BZ EC6B10208050 6LBMWH1

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	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	93	91	89	87
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81
4	97	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71
6	88	79	73	69	87	78	73	69	77	72	68	76	71	68	74	70	67	66
7	84	75	69	64	82	74	68	64	73	68	64	71	67	64	70	66	63	62
8	80	70	64	60	78	70	64	60	69	64	60	68	63	60	67	62	59	58
9	76	66	61	57	75	66	60	57	65	60	56	64	59	56	63	59	56	55
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	
5°	
10°	
15°	
20°	
25°	
30°	
35°	
40°	
45°	
50°	
55°	
60°	
65°	
70°	
75°	
80°	
85°	

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

Scaled Data Report

TEST NUMBER: P203317
CATALOG NUMBER: LSR6B10D010BZ EC6B10208050 6LBMWH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.1	11.4
10°-20°	243.4	28.0
20°-30°	281.6	32.4
30°-40°	180.0	20.7
40°-50°	51.0	5.9
50°-60°	9.1	1.1
60°-70°	3.7	0.4
70°-80°	1.3	0.1
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°	624.1	71.8
0°-40°	804.1	92.5
0°-60°	864.3	99.4
0°-90°	869.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	869.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1084	
5°	1065	99
15°	873	243
25°	621	282
35°	284	180
45°	59	51
55°	8	9
65°	4	4
75°	1	1
85°	0	0
90°	0	

TEST NUMBER: P203317
CATALOG NUMBER: LSR6B10D010BZ EC6B10208050 6LBMWH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	*1084.4*
2.5°	*1083.2*
5°	*1065.1*
7.5°	*1032.4*
10°	*986.5*
12.5°	*933.3*
15°	*872.9*
17.5°	*810.0*
20°	*748.3*
22.5°	*687.9*
25°	*621.4*
27.5°	*548.9*
30°	*467.9*
32.5°	*377.2*
35°	*284.1*
37.5°	*205.5*
40°	*142.7*
42.5°	*94.3*
45°	*59.2*
47.5°	*35.1*
50°	*20.6*
52.5°	*12.1*
55°	*8.5*
57.5°	*7.3*
60°	*6.0*
62.5°	*4.8*
65°	*3.6*
67.5°	*2.4*
70°	*2.4*
72.5°	*1.2*
75°	*1.2*
77.5°	*1.2*
80°	*0.0*
82.5°	*0.0*
85°	*0.0*
87.5°	*0.0*
90°	*0.0*

Report Generated By E9808895 / USPTCWHP6082093

0°-180°

(END OF REPORT)