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: P202596

Luminaire Tested: **LSR6B10D010BZ EC6B10208050 6LBMWMH1**

Issue Date: 3/3/2020

Test Information

Test Method:	LM-41-14
Report Number:	P202596
	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 6LBMWMH1
Description:	PORTFOLIO 6IN CYLINDER
	MEDIUM DISTRIBUTION WITH WARM HAZE 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:	863.9 lumens
Efficiency:	N/A
Efficacy:	87.3 lumens/watt
Spacing Criteria (0/90/45):	0.9 / 0.9 / 0.89
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

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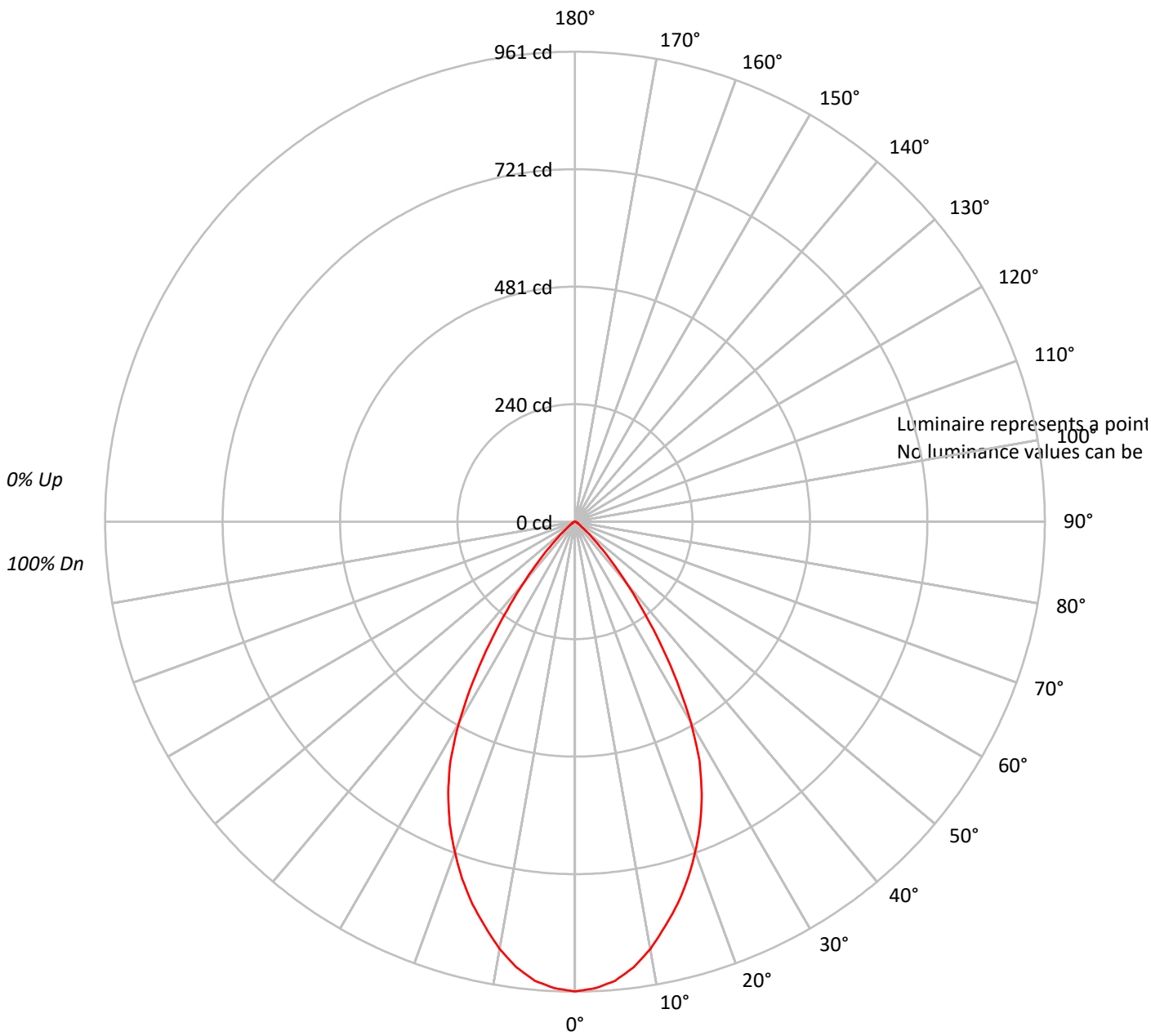
Luminous Intensity Polar Plot



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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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86
3	102	95	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74
5	92	83	77	73	90	82	77	73	80	76	72	79	75	71	77	74	71	69
6	87	78	72	67	85	77	71	67	76	71	67	74	70	66	73	69	66	64
7	83	73	67	63	81	72	67	63	71	66	62	70	65	62	69	65	61	60
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	58	56
9	75	65	59	55	73	64	59	55	63	58	54	62	58	54	62	57	54	53
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	50

AVERAGE LUMINANCE (cd/sqm):

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

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Scaled Data Report

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.2	10.2
10°-20°	226.4	26.2
20°-30°	278.0	32.2
30°-40°	190.6	22.1
40°-50°	61.3	7.1
50°-60°	12.4	1.4
60°-70°	4.9	0.6
70°-80°	1.8	0.2
80°-90°	0.3	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°	592.6	68.6
0°-40°	783.2	90.7
0°-60°	856.9	99.2
0°-90°	863.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	863.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	961	
5°	942	88
15°	810	226
25°	613	278
35°	304	191
45°	72	61
55°	12	12
65°	5	5
75°	2	2
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	*960.7*
2.5°	*954.9*
5°	*942.4*
7.5°	*918.9*
10°	*887.4*
12.5°	*848.6*
15°	*809.8*
17.5°	*766.5*
20°	*718.9*
22.5°	*669.1*
25°	*613.4*
27.5°	*551.8*
30°	*474.1*
32.5°	*388.4*
35°	*304.1*
37.5°	*227.2*
40°	*163.4*
42.5°	*111.4*
45°	*72.5*
47.5°	*44.7*
50°	*27.1*
52.5°	*16.9*
55°	*12.5*
57.5°	*9.5*
60°	*7.3*
62.5°	*5.9*
65°	*5.1*
67.5°	*3.7*
70°	*2.9*
72.5°	*2.2*
75°	*1.5*
77.5°	*1.5*
80°	*0.7*
82.5°	*0.7*
85°	*0.0*
87.5°	*0.0*
90°	*0.0*

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0°-180°

(END OF REPORT)