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: P203219

Luminaire Tested: **LSR6B10D010BZ EC6B10209050 6LBMH1**

Issue Date: 3/3/2020

Test Information

Test Method:	LM-41-14
Report Number:	P203219
	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 EC6B10209050 6LBMH1
Description:	PORTFOLIO 6IN CYLINDER
	MEDIUM DISTRIBUTION WITH SEMI-SPECULAR CLEAR 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:	677.0 lumens
Efficiency:	N/A
Efficacy:	68.4 lumens/watt
Spacing Criteria (0/90/45):	0.94 / 0.94 / 0.93
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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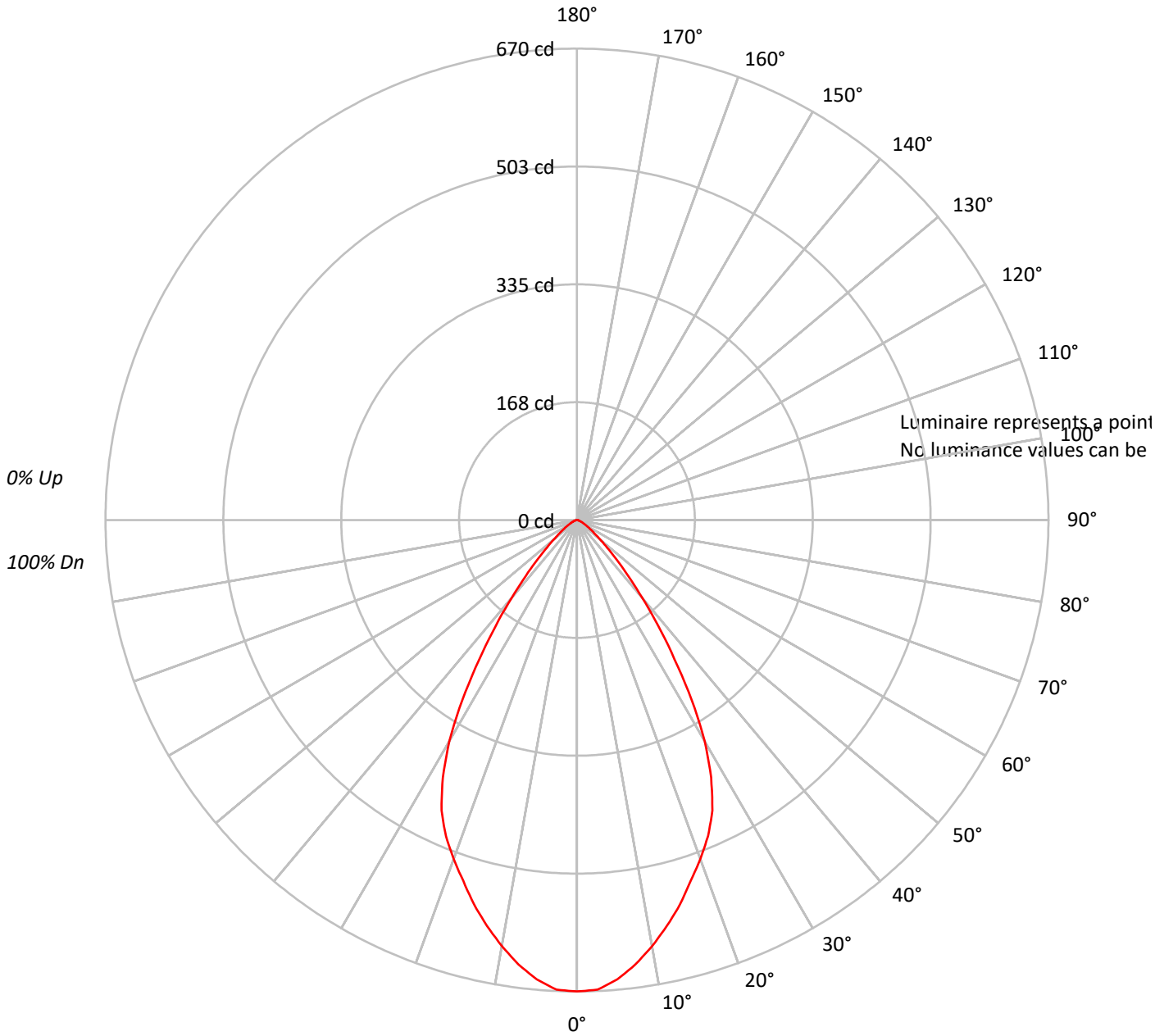
Luminous Intensity Polar Plot



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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	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46

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°	61.3	9.0
10°-20°	158.5	23.4
20°-30°	205.3	30.3
30°-40°	152.4	22.5
40°-50°	64.3	9.5
50°-60°	22.9	3.4
60°-70°	8.8	1.3
70°-80°	3.1	0.5
80°-90°	0.4	0.1
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°	425.1	62.8
0°-40°	577.5	85.3
0°-60°	664.7	98.2
0°-90°	677.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	677.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	670	
5°	655	61
15°	566	158
25°	455	205
35°	242	152
45°	79	64
55°	24	23
65°	9	9
75°	3	3
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	*669.9*
2.5°	*668.0*
5°	*655.4*
7.5°	*637.1*
10°	*614.8*
12.5°	*590.7*
15°	*565.5*
17.5°	*537.5*
20°	*512.4*
22.5°	*486.3*
25°	*455.3*
27.5°	*412.8*
30°	*362.5*
32.5°	*303.6*
35°	*241.7*
37.5°	*189.5*
40°	*144.0*
42.5°	*107.3*
45°	*79.3*
47.5°	*58.0*
50°	*42.5*
52.5°	*31.9*
55°	*24.2*
57.5°	*18.4*
60°	*14.5*
62.5°	*10.6*
65°	*8.7*
67.5°	*6.8*
70°	*4.8*
72.5°	*3.9*
75°	*2.9*
77.5°	*1.9*
80°	*1.0*
82.5°	*1.0*
85°	*0.0*
87.5°	*0.0*
90°	*0.0*

Report Generated By E9808895 / USPTCWHP6082093

0°-180°

(END OF REPORT)