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: P205175

Luminaire Tested: **LSR6B10D010BZ EC6B10209050 6LBWLI1**

Issue Date: 3/3/2020

Test Information

Test Method:	LM-41-14
Report Number:	P205175
	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 6LBWLI1
Description:	PORTFOLIO 6IN CYLINDER
	WIDE DISTRIBUTION WITH 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:	935.9 lumens
Efficiency:	N/A
Efficacy:	94.5 lumens/watt
Spacing Criteria (0/90/45):	1.24 / 1.24 / 1.18
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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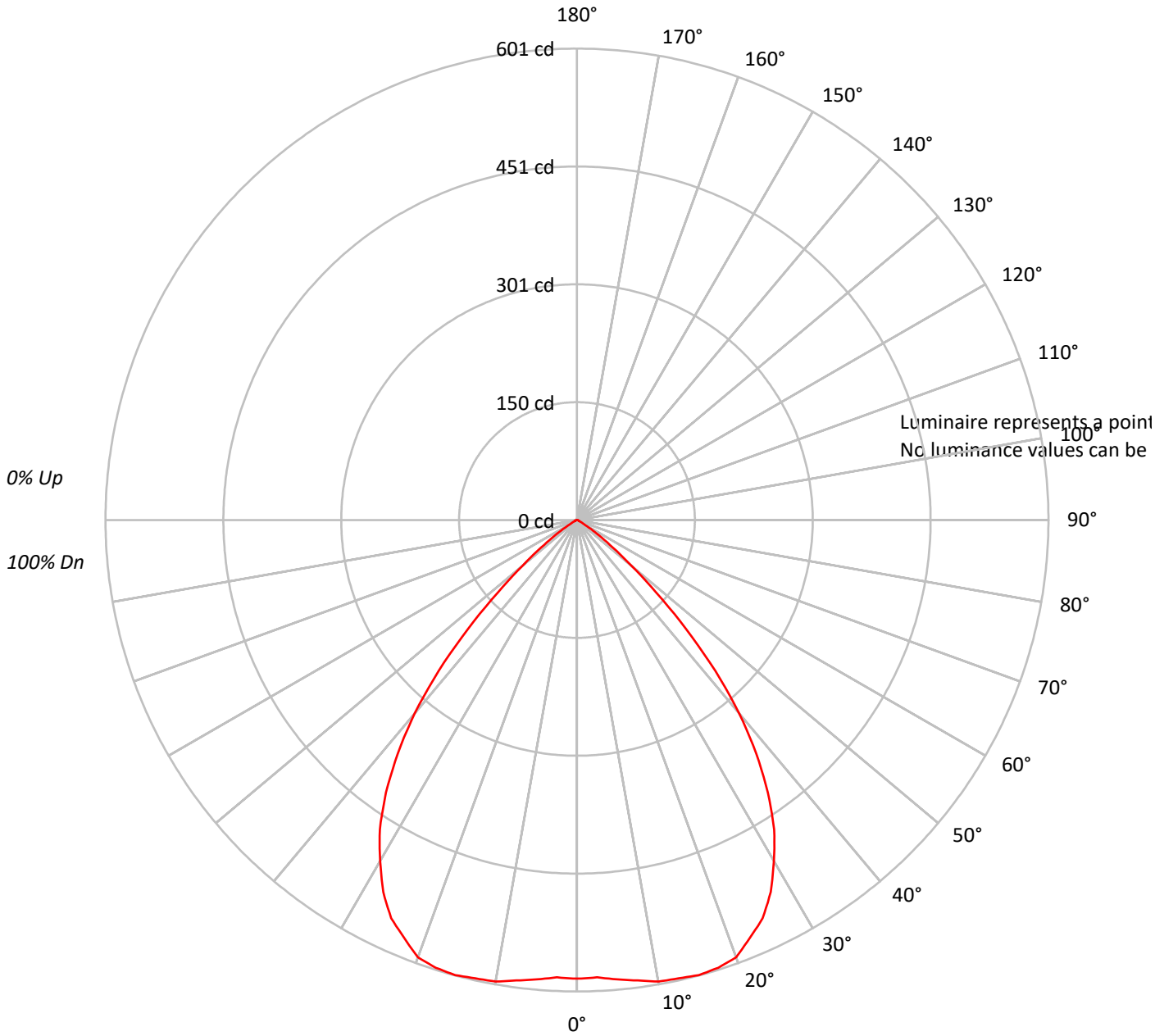
Luminous Intensity Polar Plot



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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	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83
3	100	92	87	82	97	91	86	81	88	84	80	86	82	79	83	80	77	76
4	93	85	78	73	92	84	78	73	81	76	72	79	75	71	77	74	70	69
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63
6	82	72	65	60	81	71	65	60	70	64	59	68	63	59	67	62	59	57
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48
9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	46	44
10	65	54	47	43	64	53	47	42	52	46	42	51	46	42	51	46	42	41

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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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.4	6.0
10°-20°	169.5	18.1
20°-30°	255.6	27.3
30°-40°	261.6	27.9
40°-50°	152.4	16.3
50°-60°	35.0	3.7
60°-70°	4.3	0.5
70°-80°	1.1	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°	481.5	51.4
0°-40°	743.0	79.4
0°-60°	930.4	99.4
0°-90°	935.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	935.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	585	
5°	588	56
15°	601	170
25°	560	256
35°	424	262
45°	196	152
55°	34	35
65°	3	4
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	584.7
2.5°	583.6
5°	587.8
7.5°	592.1
10°	597.4
12.5°	598.4
15°	600.6
17.5°	598.4
20°	593.1
22.5°	576.2
25°	560.2
27.5°	534.8
30°	501.9
32.5°	467.9
35°	424.4
37.5°	375.6
40°	321.5
42.5°	261.0
45°	196.3
47.5°	136.9
50°	90.2
52.5°	57.3
55°	34.0
57.5°	18.0
60°	9.5
62.5°	5.3
65°	3.2
67.5°	3.2
70°	2.1
72.5°	1.1
75°	1.1
77.5°	1.1
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

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0°-180°

(END OF REPORT)