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: P204864

Luminaire Tested: **LSR6B10D010BZ EC6B10208050 6LBCSMB1**

Issue Date: 3/3/2020

Test Information

Test Method:	LM-41-14
Report Number:	P204864
	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 6LBCSMB1
Description:	PORTFOLIO 6IN CYLINDER
	SHALLOW DISTRIBUTION WITH CAST MATTE BLACK 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:	1022.0 lumens
Efficiency:	N/A
Efficacy:	103.2 lumens/watt
Spacing Criteria (0/90/45):	1.23 / 1.23 / 1.33
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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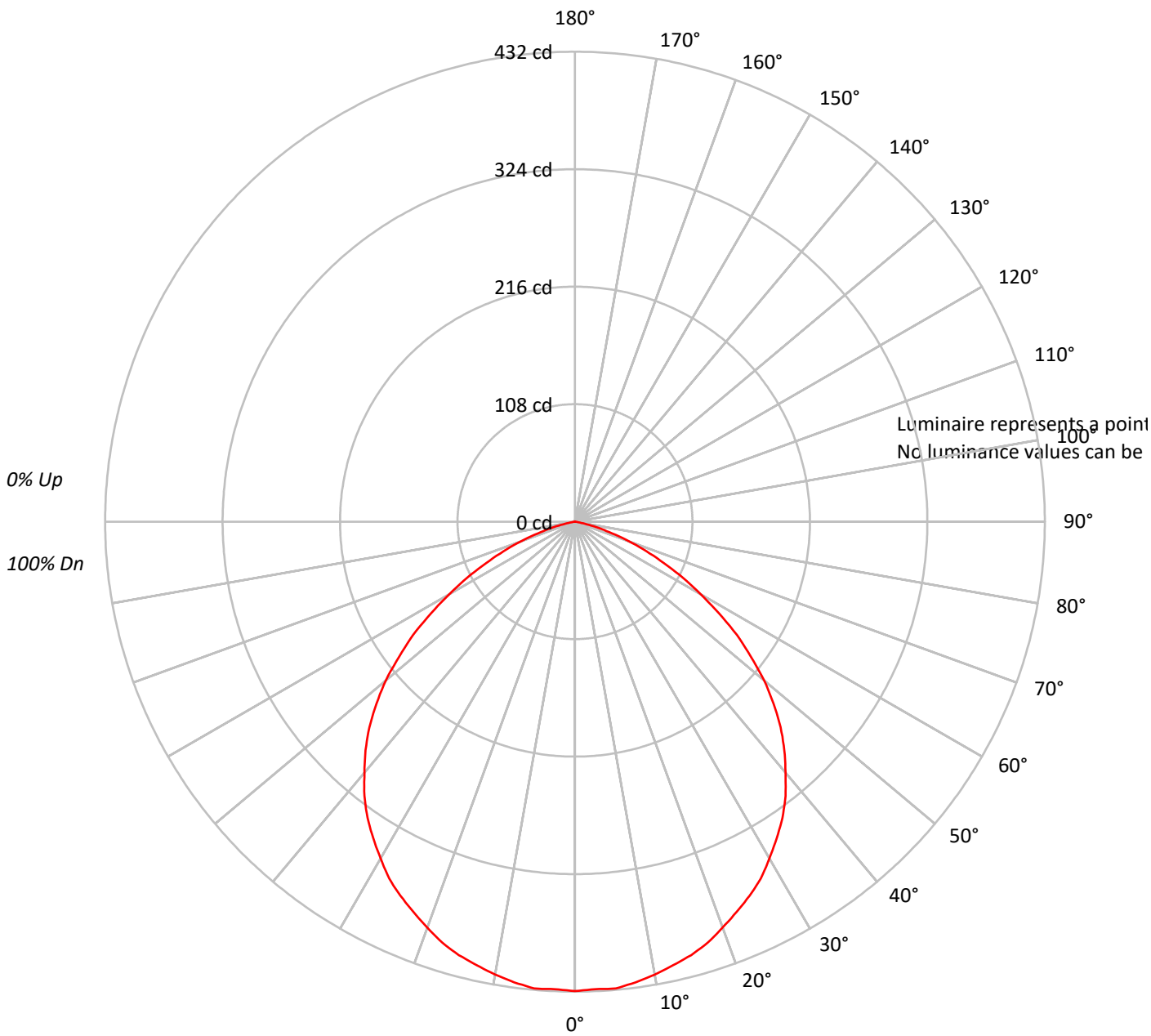
Luminous Intensity Polar Plot



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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	111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75
3	93	84	77	71	91	83	76	70	80	74	69	77	72	68	74	70	67	65
4	86	75	67	61	84	74	66	61	71	65	60	69	63	59	67	62	58	56
5	79	67	59	53	77	66	59	53	64	57	52	62	56	52	61	55	51	49
6	74	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	39
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	46	41	36	35
9	60	47	39	33	58	46	39	33	45	38	33	44	38	33	43	37	33	31
10	56	43	35	30	55	43	35	30	42	35	30	41	34	30	40	34	30	28

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°	40.8	4.0
10°-20°	116.3	11.4
20°-30°	174.8	17.1
30°-40°	207.4	20.3
40°-50°	205.2	20.1
50°-60°	161.2	15.8
60°-70°	90.4	8.8
70°-80°	25.4	2.5
80°-90°	0.4	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°	331.9	32.5
0°-40°	539.3	52.8
0°-60°	905.8	88.6
0°-90°	1022.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1022.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	432	
5°	431	41
15°	412	116
25°	380	175
35°	333	207
45°	267	205
55°	182	161
65°	90	90
75°	22	25
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	431.5
2.5°	430.1
5°	430.8
7.5°	427.1
10°	422.7
12.5°	417.6
15°	412.5
17.5°	405.9
20°	397.1
22.5°	388.3
25°	379.5
27.5°	370.0
30°	357.5
32.5°	345.1
35°	332.6
37.5°	318.0
40°	301.1
42.5°	285.0
45°	267.4
47.5°	247.6
50°	227.1
52.5°	203.7
55°	181.7
57.5°	156.8
60°	133.3
62.5°	112.1
65°	90.1
67.5°	71.1
70°	52.8
72.5°	35.9
75°	22.0
77.5°	11.0
80°	2.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

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0°-180°

(END OF REPORT)