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: P203729

Luminaire Tested: **LSR6B10D010BZ EC6B10208050 6LBNWH1**

Issue Date: 3/3/2020

Test Information

Test Method:	LM-41-14
Report Number:	P203729
	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 6LBNWH1
Description:	PORTFOLIO 6IN CYLINDER
	NARROW 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:	741.8 lumens
Efficiency:	N/A
Efficacy:	74.9 lumens/watt
Spacing Criteria (0/90/45):	0.56 / 0.56 / 0.64
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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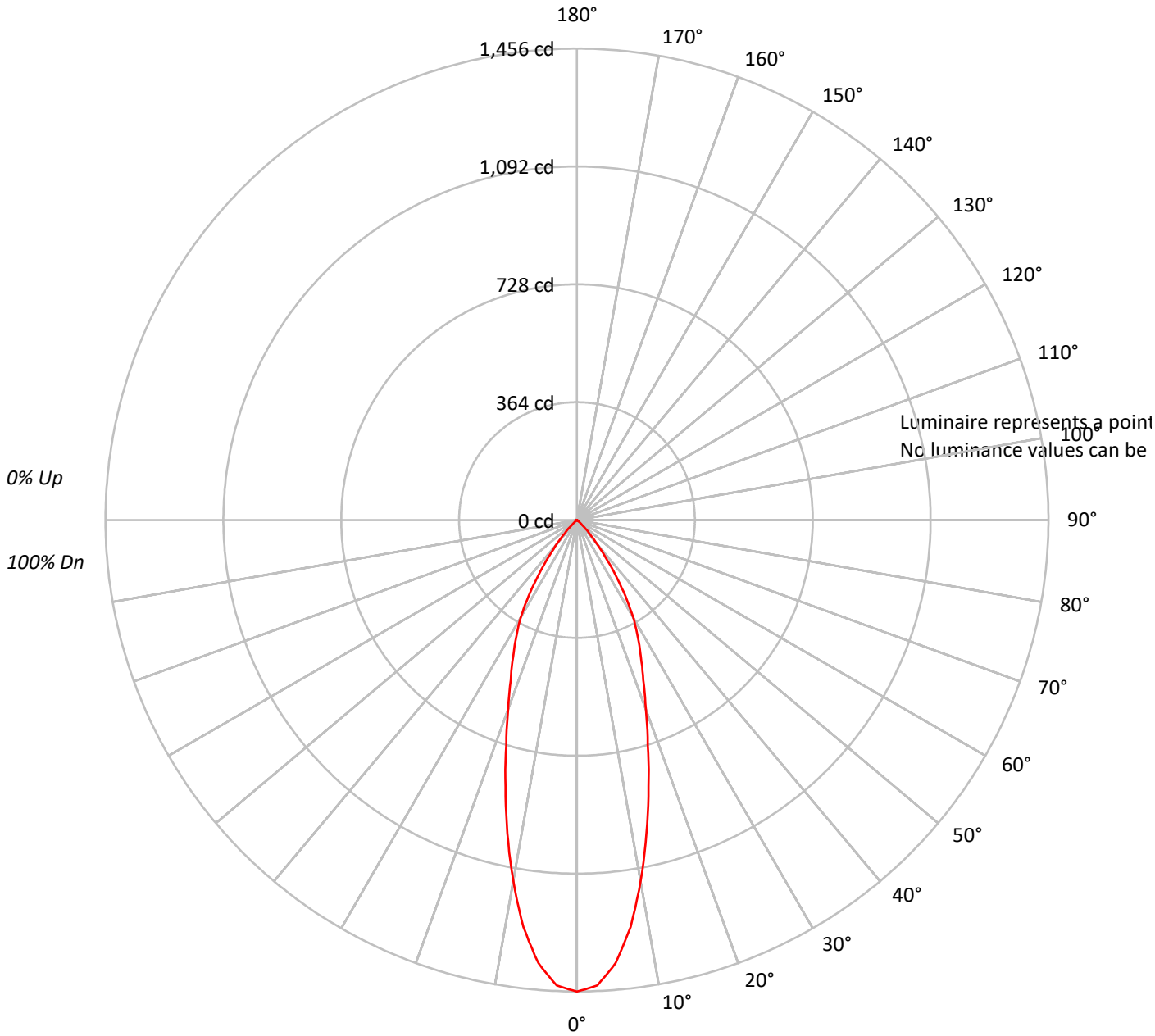
Luminous Intensity Polar Plot



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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	114	111	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	91	88	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	67	66
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57

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°	123.3	16.6
10°-20°	236.9	31.9
20°-30°	215.4	29.0
30°-40°	130.6	17.6
40°-50°	29.7	4.0
50°-60°	3.8	0.5
60°-70°	1.7	0.2
70°-80°	0.5	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°	575.6	77.6
0°-40°	706.1	95.2
0°-60°	739.6	99.7
0°-90°	741.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	741.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1456	
5°	1373	123
15°	853	237
25°	467	215
35°	207	131
45°	33	30
55°	4	4
65°	1	2
75°	0	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	*1456.4*
2.5°	*1438.8*
5°	*1373.1*
7.5°	*1267.1*
10°	*1132.1*
12.5°	*992.0*
15°	*853.2*
17.5°	*727.0*
20°	*620.9*
22.5°	*535.1*
25°	*467.0*
27.5°	*406.4*
30°	*347.1*
32.5°	*277.7*
35°	*207.0*
37.5°	*145.1*
40°	*95.9*
42.5°	*59.3*
45°	*32.8*
47.5°	*15.1*
50°	*6.3*
52.5°	*5.0*
55°	*3.8*
57.5°	*3.8*
60°	*2.5*
62.5°	*2.5*
65°	*1.3*
67.5°	*1.3*
70°	*1.3*
72.5°	*1.3*
75°	*0.0*
77.5°	*0.0*
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)