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: P204249

Luminaire Tested: **LSR6B10D010BZ EC6B10209050 6LBSWH1**

Issue Date: 3/3/2020

Test Information

Test Method:	LM-41-14
Report Number:	P204249
	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 6LBSWH1
Description:	PORTFOLIO 6IN CYLINDER
	SHALLOW 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:	969.8 lumens
Efficiency:	N/A
Efficacy:	98.0 lumens/watt
Spacing Criteria (0/90/45):	0.94 / 0.94 / 1.08
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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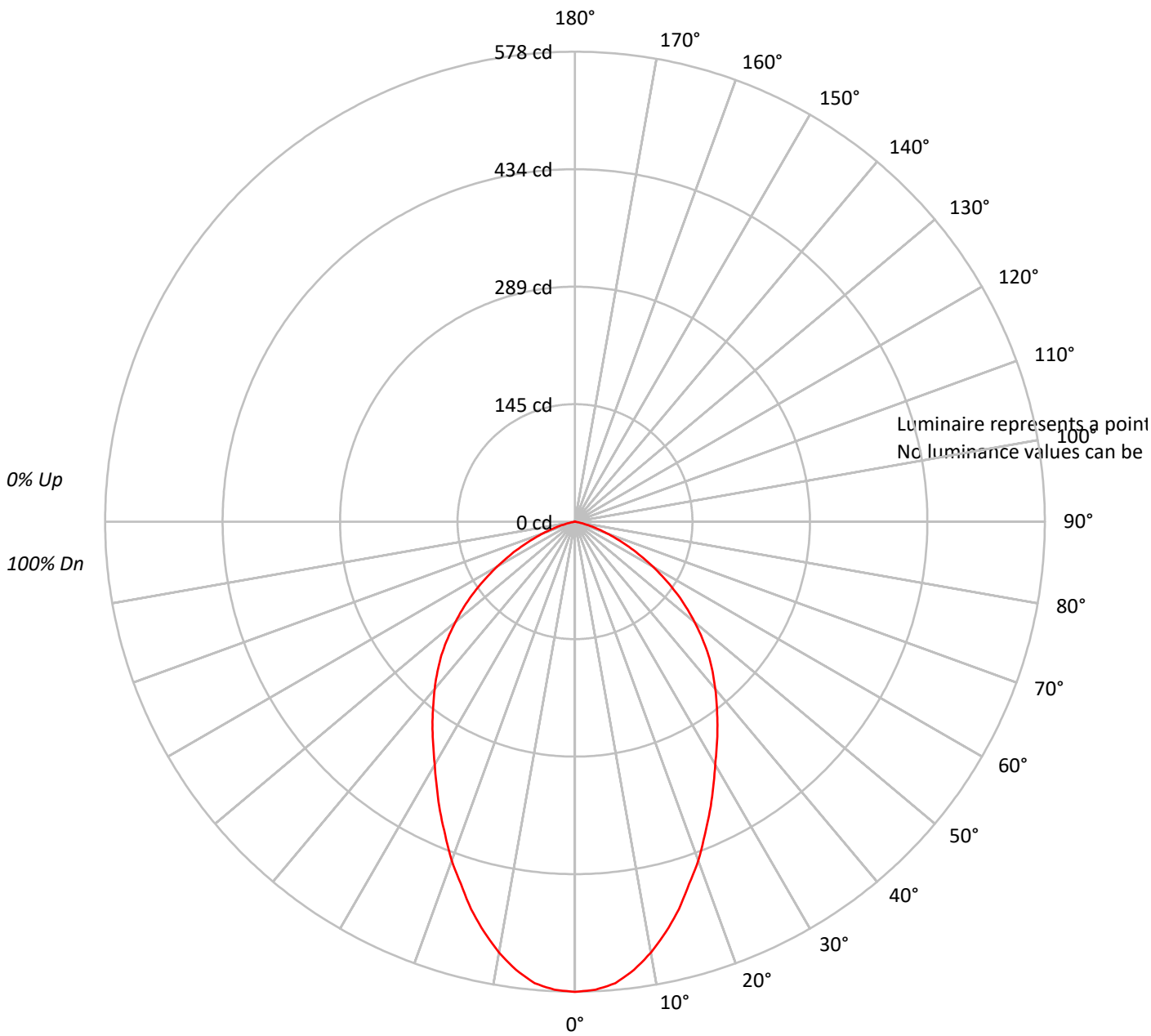
Luminous Intensity Polar Plot



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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	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67
4	88	77	70	64	86	76	69	63	74	68	63	72	66	62	69	65	61	59
5	81	70	62	56	79	69	62	56	67	60	55	65	59	55	63	58	54	52
6	76	64	56	50	74	63	55	50	61	54	49	60	54	49	58	53	49	47
7	71	58	51	45	69	58	50	45	56	49	45	55	49	44	54	48	44	42
8	66	54	46	41	65	53	46	41	52	45	40	51	45	40	50	44	40	38
9	62	50	42	37	61	49	42	37	48	41	37	47	41	37	46	41	37	35
10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32

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°	53.3	5.5
10°-20°	138.1	14.2
20°-30°	180.6	18.6
30°-40°	191.2	19.7
40°-50°	178.4	18.4
50°-60°	135.1	13.9
60°-70°	73.2	7.5
70°-80°	19.6	2.0
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°	372.0	38.4
0°-40°	563.3	58.1
0°-60°	876.7	90.4
0°-90°	969.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	969.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	578	
5°	570	53
15°	494	138
25°	393	181
35°	306	191
45°	232	178
55°	152	135
65°	73	73
75°	17	20
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	578.4
2.5°	576.3
5°	569.9
7.5°	556.1
10°	538.1
12.5°	516.8
15°	493.5
17.5°	467.0
20°	443.6
22.5°	417.1
25°	392.7
27.5°	368.3
30°	344.9
32.5°	324.8
35°	305.6
37.5°	286.5
40°	268.5
42.5°	250.5
45°	232.4
47.5°	212.3
50°	192.1
52.5°	171.9
55°	151.8
57.5°	130.5
60°	110.4
62.5°	91.3
65°	73.2
67.5°	56.2
70°	41.4
72.5°	28.7
75°	17.0
77.5°	7.4
80°	2.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

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0°-180°

(END OF REPORT)