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: P212159

Luminaire Tested: **LSR4B30D010BZ EC4B30508050 4LBWB1**

Issue Date: 3/3/2020

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Test Information

Test Method:	LM-41-14
Report Number:	P212159
	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:	LSR4B30D010BZ EC4B30508050 4LBWB1
Description:	PORTFOLIO 4 INCH CYLINDER
	WIDE DISTRIBUTION WITH SPECULAR BLACK TRIM
	WATTAGE D010TR-27.4W DE010-27.95W D5LT-27.65W DMX-27.73W DL2-29.56W
	DL3-29.67W DLE-29.73W
Light Source:	HIGH LUMEN LED
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1476.9 lumens
Efficiency:	N/A
Efficacy:	52.7 lumens/watt
Spacing Criteria (0/90/45):	1.08 / 1.08 / 1.03
Luminous Opening:	Point Source (0' x 0' x 0')
CIE Type:	Direct

Input Watts (W):	28
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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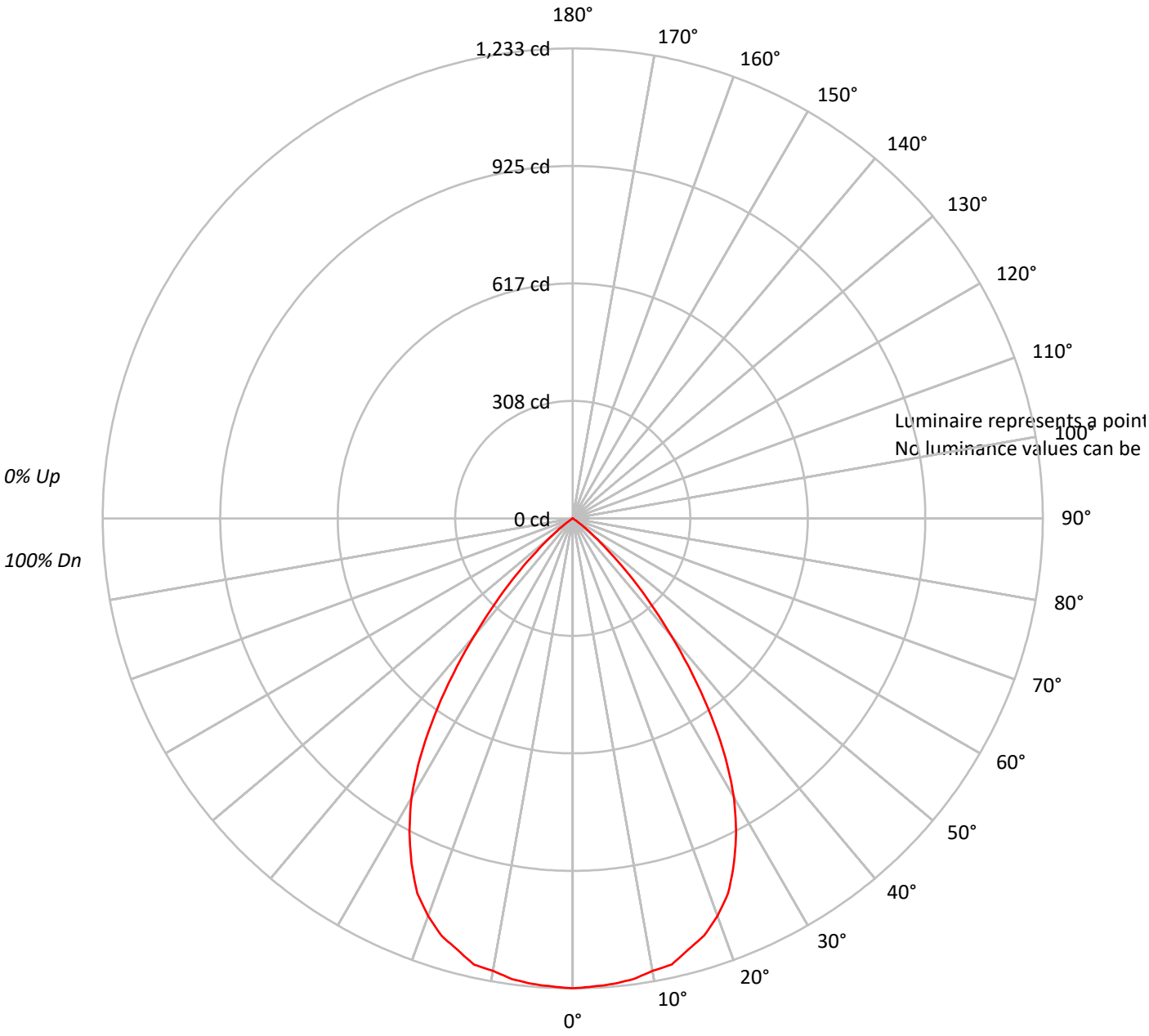
Luminous Intensity Polar Plot



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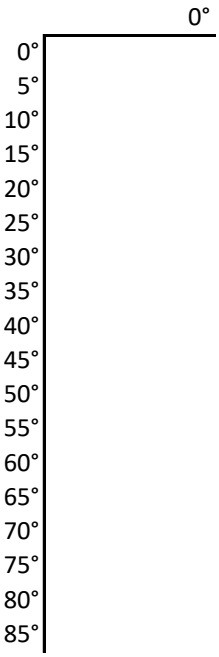
COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	86
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79
4	96	88	82	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72
5	90	81	75	70	89	80	74	70	79	73	69	77	72	69	75	71	68	67
6	85	76	69	65	84	75	69	64	73	68	64	72	67	64	70	66	63	62
7	80	71	64	60	79	70	64	59	69	63	59	67	62	59	66	62	58	57
8	76	66	60	55	75	65	59	55	64	59	55	63	58	54	62	58	54	53
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	49
10	68	58	52	48	67	58	52	48	57	51	47	56	51	47	55	50	47	46

AVERAGE LUMINANCE (cd/sqm):



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.4	7.9
10°-20°	329.8	22.3
20°-30°	455.8	30.9
30°-40°	390.3	26.4
40°-50°	165.9	11.2
50°-60°	18.6	1.3
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	902.1	61.1
0°-40°	1292.4	87.5
0°-60°	1476.9	100.0
0°-90°	1476.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1476.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1233	
5°	1226	116
15°	1171	330
25°	1000	456
35°	634	390
45°	209	166
55°	10	19
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1232.8
2.5°	1229.4
5°	1226.0
7.5°	1219.1
10°	1205.4
12.5°	1198.6
15°	1171.2
17.5°	1147.2
20°	1109.5
22.5°	1065.0
25°	999.9
27.5°	928.0
30°	845.8
32.5°	746.5
35°	633.5
37.5°	517.1
40°	400.7
42.5°	297.9
45°	208.9
47.5°	130.1
50°	75.3
52.5°	37.7
55°	10.3
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
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)