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: P211825

Luminaire Tested: **LSR4B30D010BZ EC4B30509024 4LBMWH1**

Issue Date: 3/3/2020

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Test Information

Test Method:	LM-41-14
Report Number:	P211825
	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 EC4B30509024 4LBMWH1
Description:	PORTFOLIO 4 INCH CYLINDER
	MEDIUM DISTRIBUTION WITH WHEAT 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:	1619.3 lumens
Efficiency:	N/A
Efficacy:	57.8 lumens/watt
Spacing Criteria (0/90/45):	0.88 / 0.88 / 0.87
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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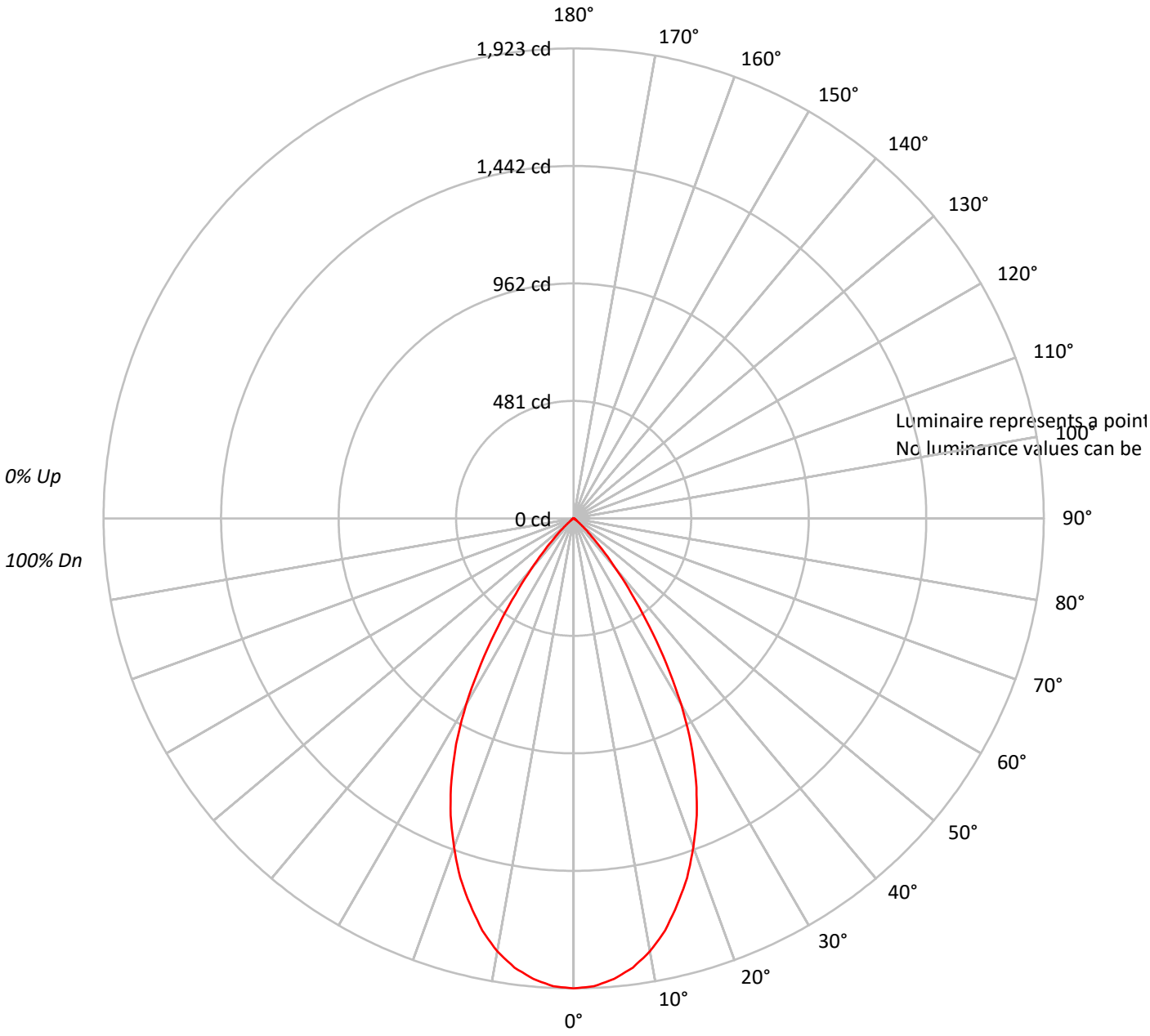
Luminous Intensity Polar Plot



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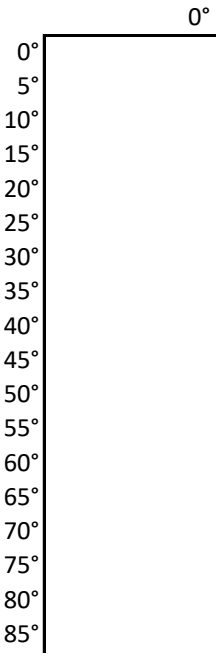
COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	114	111	108	106	111	109	106	105	105	103	101	101	100	98	98	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	96	91	88	101	95	90	87	92	89	85	90	87	84	88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	77	76
5	93	84	79	74	91	84	78	74	82	77	73	80	76	73	79	75	72	71
6	88	79	73	69	87	79	73	69	77	72	68	76	71	68	74	71	68	66
7	84	75	69	65	82	74	68	64	73	68	64	72	67	64	70	66	63	62
8	80	70	64	60	79	70	64	60	69	64	60	68	63	60	67	63	59	58
9	76	66	61	57	75	66	60	57	65	60	56	64	60	56	63	59	56	55
10	73	63	57	53	72	62	57	53	62	57	53	61	56	53	60	56	53	52

AVERAGE LUMINANCE (cd/sqm):



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.7	11.0
10°-20°	456.8	28.2
20°-30°	535.9	33.1
30°-40°	339.1	20.9
40°-50°	90.8	5.6
50°-60°	12.7	0.8
60°-70°	4.7	0.3
70°-80°	1.6	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°	1170.3	72.3
0°-40°	1509.4	93.2
0°-60°	1613.0	99.6
0°-90°	1619.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1619.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1923	
5°	1892	178
15°	1636	457
25°	1184	536
35°	538	339
45°	103	91
55°	12	13
65°	5	5
75°	2	2
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1923.1
2.5°	1915.9
5°	1892.0
7.5°	1853.7
10°	1798.7
12.5°	1726.9
15°	1636.1
17.5°	1542.8
20°	1430.4
22.5°	1315.5
25°	1184.0
27.5°	1040.5
30°	880.2
32.5°	705.6
35°	538.2
37.5°	389.9
40°	267.9
42.5°	172.2
45°	102.9
47.5°	57.4
50°	31.1
52.5°	16.7
55°	12.0
57.5°	9.6
60°	7.2
62.5°	7.2
65°	4.8
67.5°	2.4
70°	2.4
72.5°	2.4
75°	2.4
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)