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: P205898

Luminaire Tested: **LD4B15D010 EU4B10208027 4LBSGPH1**

Issue Date: 3/3/2020

Test Information

Test Method:	LM-41-14
Report Number:	P205898
	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:	LD4B15D010 EU4B10208027 4LBSGPH1
Description:	PORTFOLIO 4 INCH SHALLOW RECESSED DOWNLIGHT SHALLOW DISTRIBUTION WITH GRAPHITE HAZE TRIM WATTAGE D010TR-14.39W DE010-14.29W D5LT-14.34W DMX-14.46W DL2-15.8W DL3-15.28W DLE-15.432W
Light Source:	HIGH LUMEN LED
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1289.0 lumens
Efficiency:	N/A
Efficacy:	90.1 lumens/watt
Spacing Criteria (0/90/45):	1.16 / 1.16 / 1.26
Luminous Opening:	Point Source (0' x 0' x 0')
CIE Type:	Direct

Input Watts (W):	14.3
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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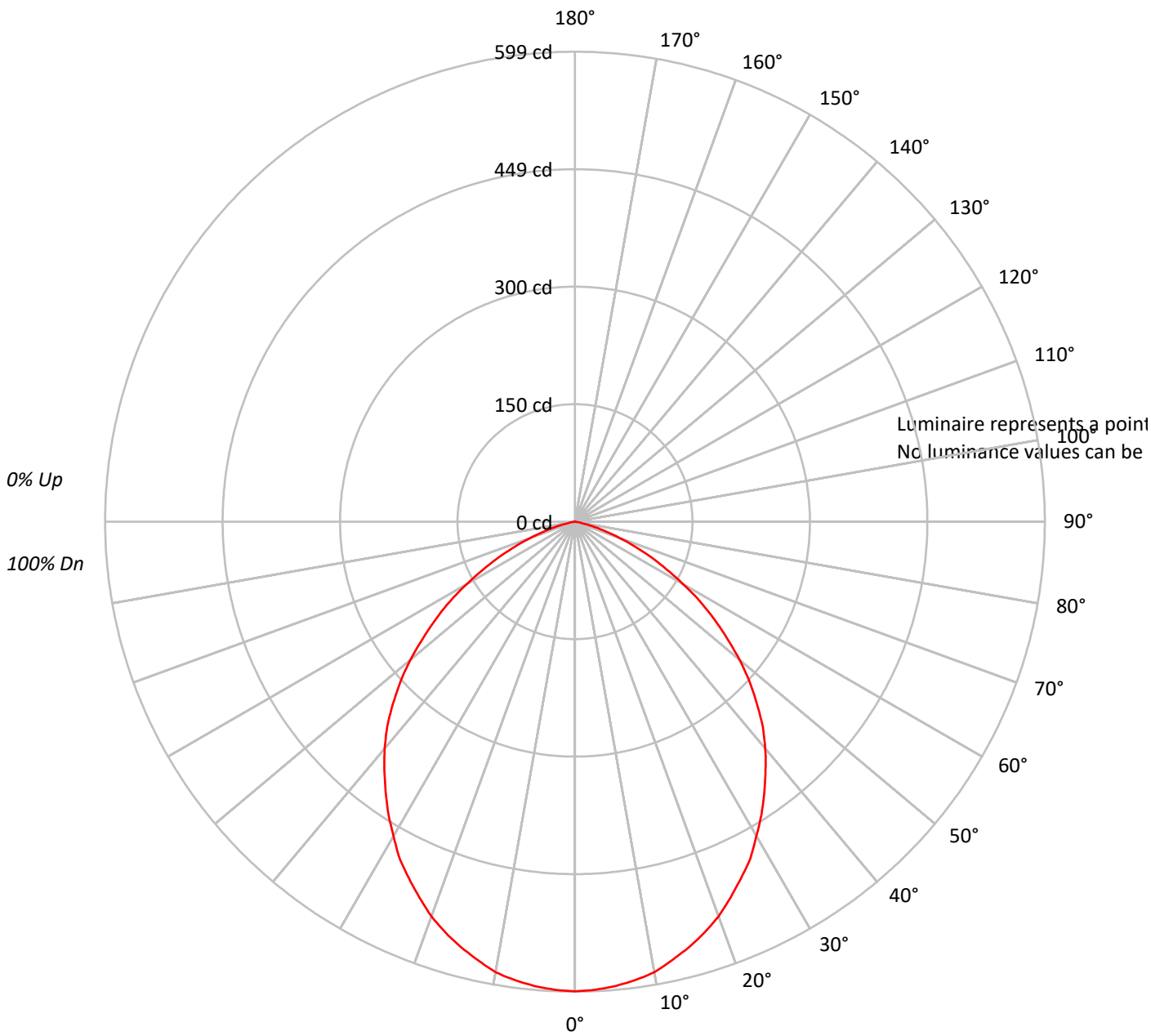
Luminous Intensity Polar Plot



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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	105	102	99	101	98	96	97	95	93	93	91	90	88
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66
4	87	76	68	62	85	75	67	62	72	66	61	70	65	60	68	63	59	57
5	80	68	60	54	78	67	60	54	65	59	53	63	58	53	62	56	52	50
6	74	62	54	48	73	61	53	48	59	52	47	58	52	47	56	51	47	45
7	69	57	48	43	68	56	48	43	54	47	42	53	47	42	52	46	42	40
8	65	52	44	38	63	51	44	38	50	43	38	49	42	38	48	42	38	36
9	60	48	40	35	59	47	40	35	46	39	35	45	39	34	44	38	34	32
10	57	44	37	32	56	44	36	32	43	36	32	42	36	31	41	35	31	30

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°	56.4	4.4
10°-20°	158.2	12.3
20°-30°	230.8	17.9
30°-40°	263.2	20.4
40°-50°	252.5	19.6
50°-60°	193.3	15.0
60°-70°	106.1	8.2
70°-80°	28.2	2.2
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°	445.4	34.6
0°-40°	708.6	55.0
0°-60°	1154.3	89.5
0°-90°	1289.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1289.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	599	
5°	594	56
15°	562	158
25°	501	231
35°	421	263
45°	328	252
55°	217	193
65°	107	106
75°	25	28
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	598.7
2.5°	597.2
5°	594.1
7.5°	589.4
10°	583.2
12.5°	572.4
15°	561.6
17.5°	549.2
20°	535.3
22.5°	518.3
25°	501.2
27.5°	484.2
30°	462.6
32.5°	442.5
35°	420.8
37.5°	399.1
40°	377.5
42.5°	354.3
45°	328.0
47.5°	301.7
50°	273.8
52.5°	244.4
55°	216.6
57.5°	188.7
60°	159.3
62.5°	131.5
65°	106.7
67.5°	82.0
70°	60.3
72.5°	40.2
75°	24.8
77.5°	10.8
80°	3.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

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0°-180°

(END OF REPORT)