

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: P211192

Luminaire Tested: **LE_4B15D010 EC4B10208030 4LBN1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P211192
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: LE_4B15D010 EC4B10208030 4LBN1MW
Description: PORTFOLIO 4 INCH CYLINDER
NARROW DISTRIBUTION WITH MATTE WHITE 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: 1237.3 lumens
Efficiency: N/A
Efficacy: 86.5 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.95
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

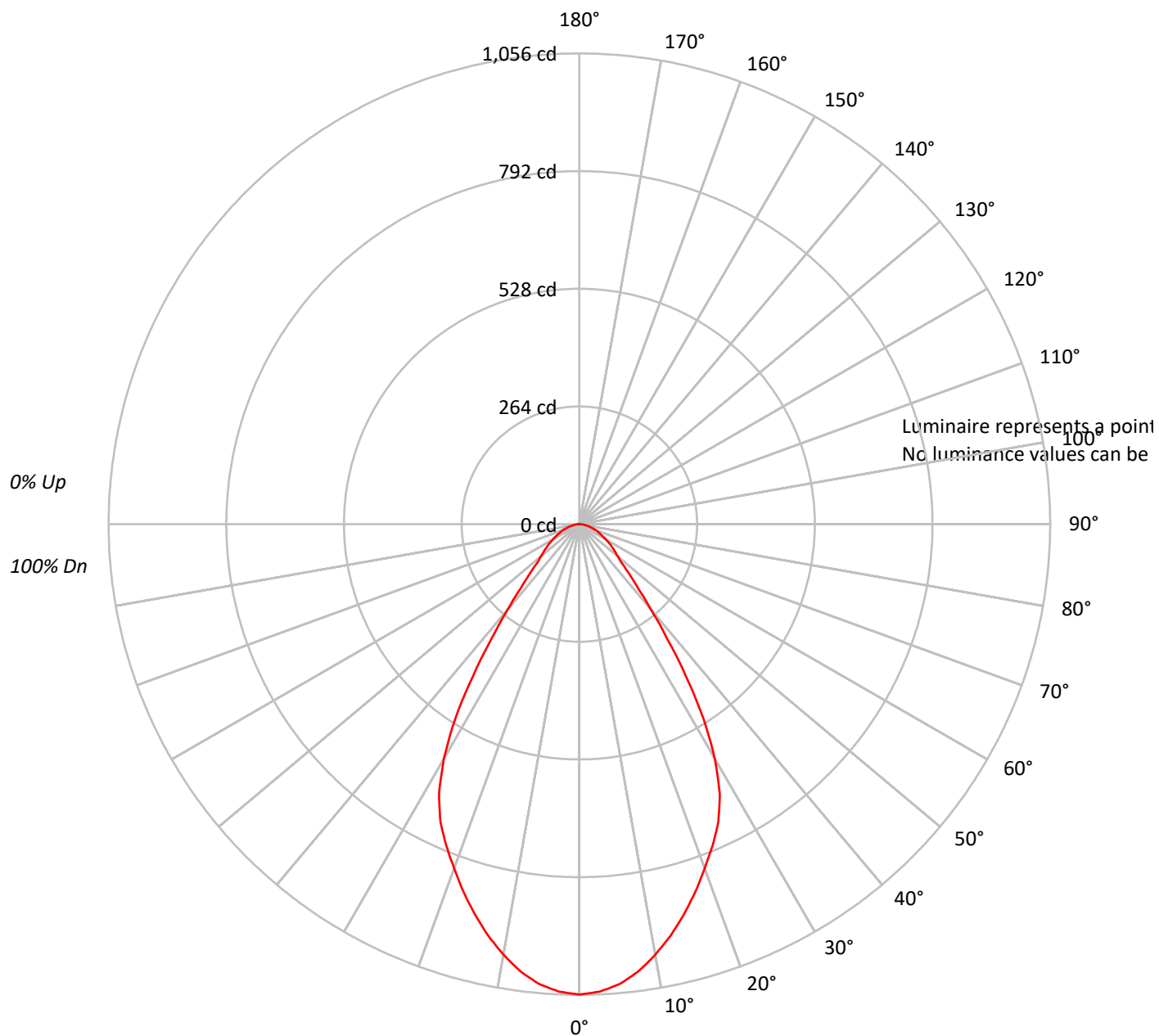
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	109	105	103	109	106	104	101		102	100	98		98	97	95		95	94	92
2	105	99	94	90	103	97	93	89		94	90	87		91	88	85		88	85	83
3	98	90	84	80	96	89	83	79		86	82	78		84	80	76		81	78	75
4	92	83	76	71	90	82	76	71		80	74	70		78	73	69		76	72	68
5	87	77	70	65	85	76	69	64		74	68	64		72	67	63		70	66	63
6	82	71	64	59	80	70	64	59		69	63	58		67	62	58		66	61	58
7	77	66	59	54	75	65	59	54		64	58	54		63	57	53		62	57	53
8	73	62	55	50	71	61	55	50		60	54	50		59	53	49		58	53	49
9	69	58	51	46	68	57	51	46		56	50	46		55	50	46		54	49	46
10	65	54	48	43	64	54	47	43		53	47	43		52	47	43		51	46	43

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.1	7.8
10°-20°	254.1	20.5
20°-30°	334.4	27.0
30°-40°	260.3	21.0
40°-50°	126.4	10.2
50°-60°	79.8	6.5
60°-70°	51.5	4.2
70°-80°	26.9	2.2
80°-90°	6.7	0.5
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°	685.6	55.4
0°-40°	945.9	76.4
0°-60°	1152.1	93.1
0°-90°	1237.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1237.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1056	
5°	1036	97
15°	906	254
25°	737	334
35°	417	260
45°	157	126
55°	88	80
65°	51	52
75°	26	27
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1055.5
2.5°	1049.6
5°	1035.9
7.5°	1012.2
10°	980.8
12.5°	945.4
15°	906.1
17.5°	864.9
20°	821.6
22.5°	780.3
25°	737.1
27.5°	682.1
30°	607.4
32.5°	518.9
35°	416.7
37.5°	322.4
40°	249.6
42.5°	194.5
45°	157.3
47.5°	127.7
50°	112.1
52.5°	100.2
55°	88.4
57.5°	78.6
60°	68.8
62.5°	58.9
65°	51.2
67.5°	45.2
70°	37.4
72.5°	31.4
75°	25.5
77.5°	19.6
80°	13.8
82.5°	9.9
85°	5.9
87.5°	2.0
90°	0.0



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— 0°-180°







(END OF REPORT)