

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: P211359

Luminaire Tested: **LE_4B15D010 EC4B10209040 4LBM1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P211359
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 EC4B10209040 4LBM1LI
Description: PORTFOLIO 4 INCH CYLINDER
MEDIUM DISTRIBUTION WITH SPECULAR CLEAR 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: 1412.0 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

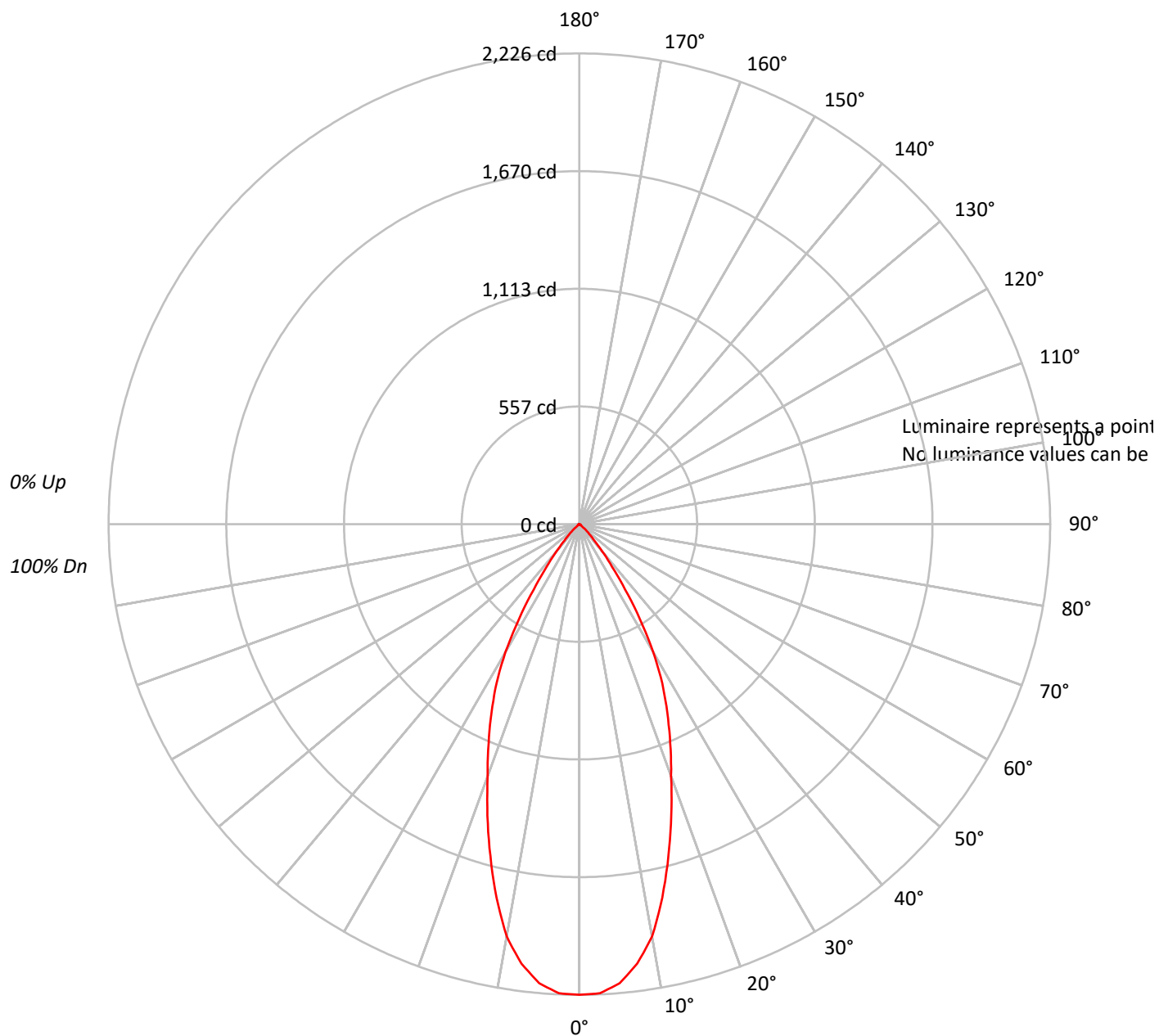
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	114	111	109	107		111	109	107	105		105	103	102			101	100	99			94
2	109	104	100	97		107	102	99	96		99	96	94			96	94	92			88
3	104	98	93	89		102	96	92	89		94	90	87			91	88	86			83
4	99	92	87	83		97	91	86	82		89	85	81			87	83	80			78
5	94	87	81	77		93	86	81	77		84	79	76			82	78	75			73
6	90	82	76	72		89	81	76	72		80	75	71			78	74	71			69
7	86	77	72	68		85	77	71	68		75	71	67			74	70	67			65
8	82	73	68	64		81	73	67	64		72	67	64			71	66	63			62
9	79	70	64	60		78	69	64	60		68	63	60			67	63	60			58
10	75	66	61	57		74	66	61	57		65	60	57			64	60	57			56

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.5	14.3
10°-20°	450.6	31.9
20°-30°	448.0	31.7
30°-40°	244.0	17.3
40°-50°	56.4	4.0
50°-60°	7.9	0.6
60°-70°	2.9	0.2
70°-80°	0.7	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°	1100.1	77.9
0°-40°	1344.0	95.2
0°-60°	1408.4	99.7
0°-90°	1412.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1412.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2226	
5°	2180	202
15°	1626	451
25°	982	448
35°	378	244
45°	65	56
55°	9	8
65°	3	3
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2225.9
2.5°	2220.8
5°	2179.9
7.5°	2096.1
10°	1980.0
12.5°	1809.1
15°	1626.3
17.5°	1445.2
20°	1267.5
22.5°	1122.4
25°	982.3
27.5°	849.0
30°	698.7
32.5°	531.3
35°	377.6
37.5°	254.5
40°	165.8
42.5°	104.2
45°	65.0
47.5°	37.6
50°	18.8
52.5°	10.2
55°	8.6
57.5°	5.1
60°	5.1
62.5°	3.4
65°	3.4
67.5°	1.7
70°	1.7
72.5°	1.7
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)