

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: P211127

Luminaire Tested: **LE_4B15D010 EC4B10209027 4LBM1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P211127
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 EC4B10209027 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: 1336.5 lumens
Efficiency: N/A
Efficacy: 93.5 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

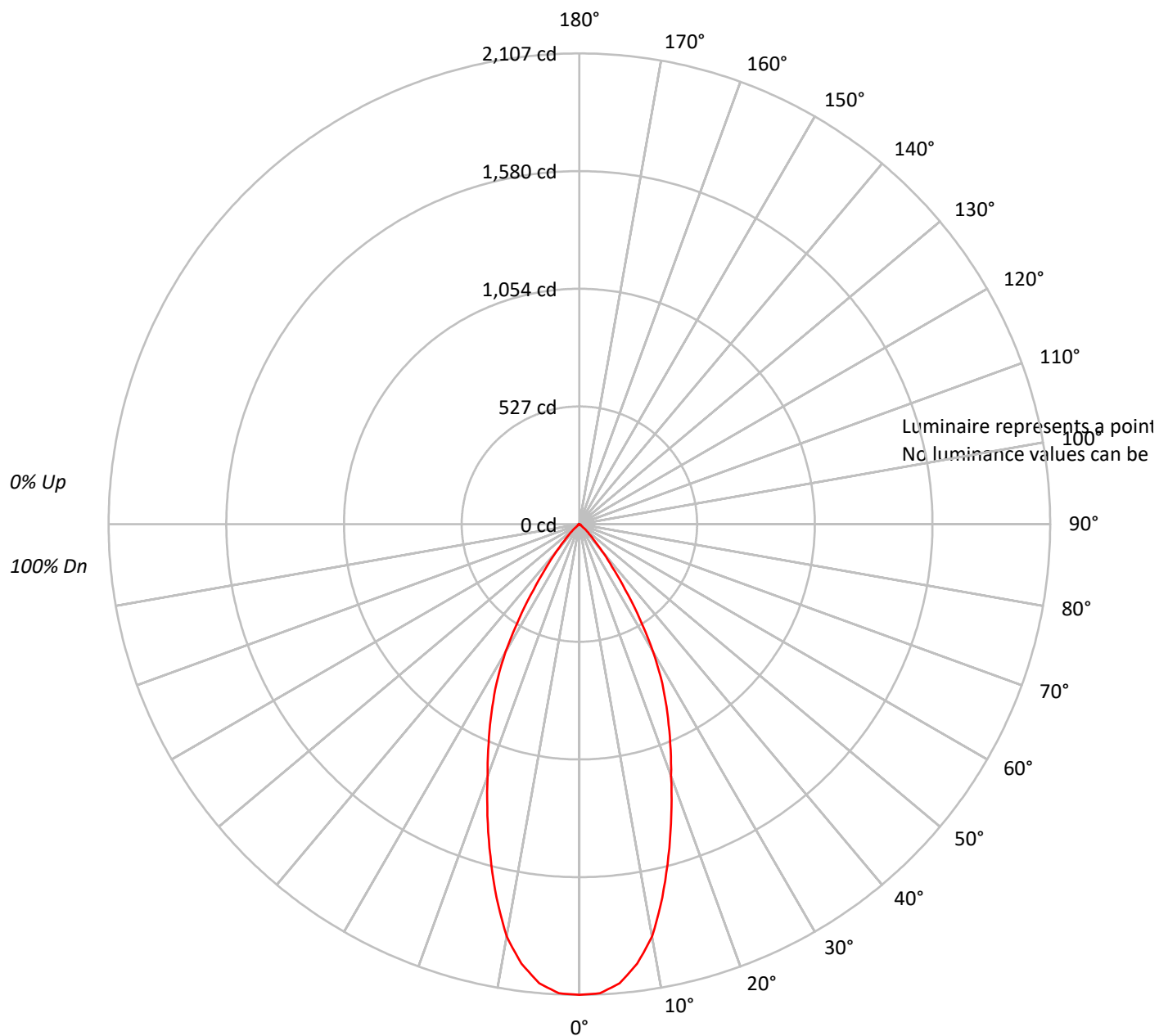
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			50
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	114	111	109	107	111	109	107	105		105	103	102			101	100	99			98
2	109	104	100	97	107	102	99	96		99	96	94			96	94	92			94
3	104	98	93	89	102	96	92	89		94	90	87			91	88	86			89
4	99	92	87	83	97	91	86	82		89	85	81			87	83	80			85
5	94	87	81	77	93	86	81	77		84	79	76			82	78	75			81
6	90	82	76	72	89	81	76	72		80	75	71			78	74	71			77
7	86	77	72	68	85	77	71	68		75	71	67			74	70	67			73
8	82	73	68	64	81	73	67	64		72	67	64			71	66	63			70
9	79	70	64	60	78	69	64	60		68	63	60			67	63	60			67
10	75	66	61	57	74	66	61	57		65	60	57			64	60	57			64

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.8	14.3
10°-20°	426.5	31.9
20°-30°	424.0	31.7
30°-40°	230.9	17.3
40°-50°	53.4	4.0
50°-60°	7.5	0.6
60°-70°	2.8	0.2
70°-80°	0.6	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°	1041.3	77.9
0°-40°	1272.2	95.2
0°-60°	1333.1	99.7
0°-90°	1336.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1336.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2107	
5°	2063	191
15°	1539	427
25°	930	424
35°	357	231
45°	62	53
55°	8	8
65°	3	3
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2107.0
2.5°	2102.2
5°	2063.4
7.5°	1984.2
10°	1874.2
12.5°	1712.5
15°	1539.4
17.5°	1368.0
20°	1199.9
22.5°	1062.4
25°	929.9
27.5°	803.6
30°	661.4
32.5°	502.9
35°	357.4
37.5°	240.9
40°	156.8
42.5°	98.6
45°	61.5
47.5°	35.6
50°	17.7
52.5°	9.7
55°	8.1
57.5°	4.9
60°	4.9
62.5°	3.2
65°	3.2
67.5°	1.6
70°	1.6
72.5°	1.6
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)