

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: P211247

Luminaire Tested: **LE_4B15D010 EC4B10209730 4LBN1GPH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P211247
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 EC4B10209730 4LBN1GPH
Description: PORTFOLIO 4 INCH CYLINDER
NARROW 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: 606.4 lumens
Efficiency: N/A
Efficacy: 42.4 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.88
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

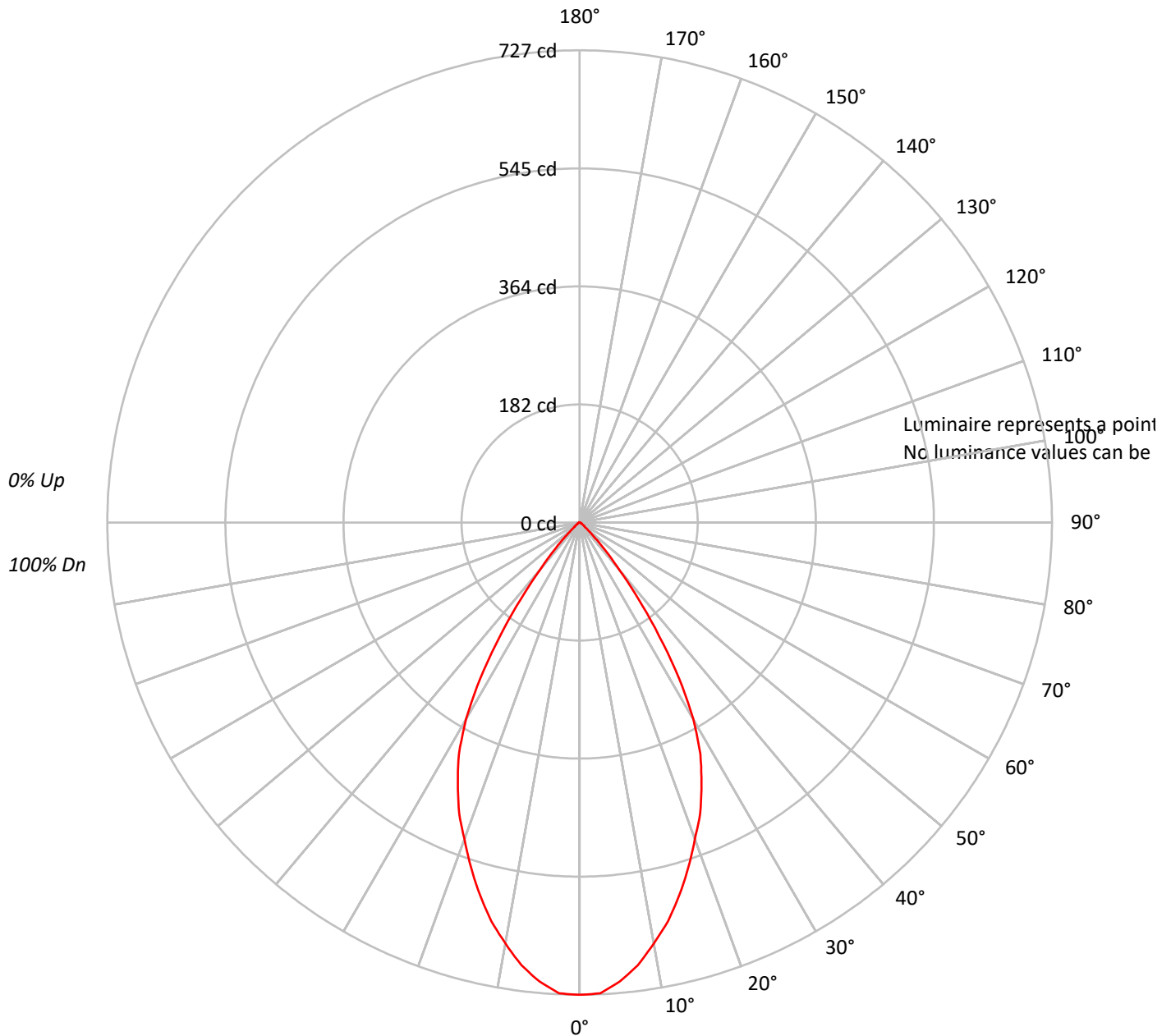
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





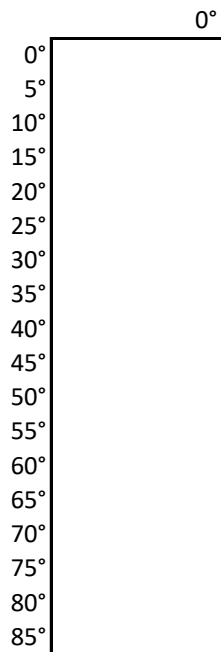
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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	108	106	111	109	106	104		105	103	101			101	100	98			94
2	108	103	99	96	106	101	98	95		98	95	93			95	93	91			87
3	103	96	91	87	101	95	90	87		92	88	85			90	87	84			81
4	97	90	84	80	96	89	84	80		87	82	79			85	81	78			76
5	93	84	78	74	91	83	78	74		82	77	73			80	76	73			70
6	88	79	73	69	86	78	73	69		77	72	68			75	71	68			66
7	84	74	68	64	82	74	68	64		72	67	64			71	67	63			62
8	80	70	64	60	78	70	64	60		68	63	60			67	63	59			58
9	76	66	60	56	75	66	60	56		65	60	56			64	59	56			54
10	72	63	57	53	71	62	57	53		61	56	53			61	56	53			51

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.1	10.9
10°-20°	165.7	27.3
20°-30°	202.0	33.3
30°-40°	133.3	22.0
40°-50°	30.7	5.1
50°-60°	5.9	1.0
60°-70°	2.2	0.4
70°-80°	0.6	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°	433.8	71.5
0°-40°	567.1	93.5
0°-60°	603.6	99.5
0°-90°	606.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	606.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	727	
5°	710	66
15°	594	166
25°	444	202
35°	213	133
45°	34	31
55°	6	6
65°	2	2
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	727.1
2.5°	725.6
5°	709.5
7.5°	687.4
10°	658.1
12.5°	628.7
15°	593.5
17.5°	556.7
20°	518.5
22.5°	484.8
25°	443.6
27.5°	402.5
30°	349.6
32.5°	285.0
35°	213.0
37.5°	148.4
40°	95.5
42.5°	58.8
45°	33.8
47.5°	17.6
50°	10.3
52.5°	8.8
55°	5.9
57.5°	4.4
60°	4.4
62.5°	2.9
65°	1.5
67.5°	1.5
70°	1.5
72.5°	1.5
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)