

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: P211278

Luminaire Tested: **LE_4B15D010 EC4B10208035 4LBN1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P211278
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 EC4B10208035 4LBN1H
Description: PORTFOLIO 4 INCH CYLINDER
NARROW DISTRIBUTION WITH SEMI-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: 1111.0 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

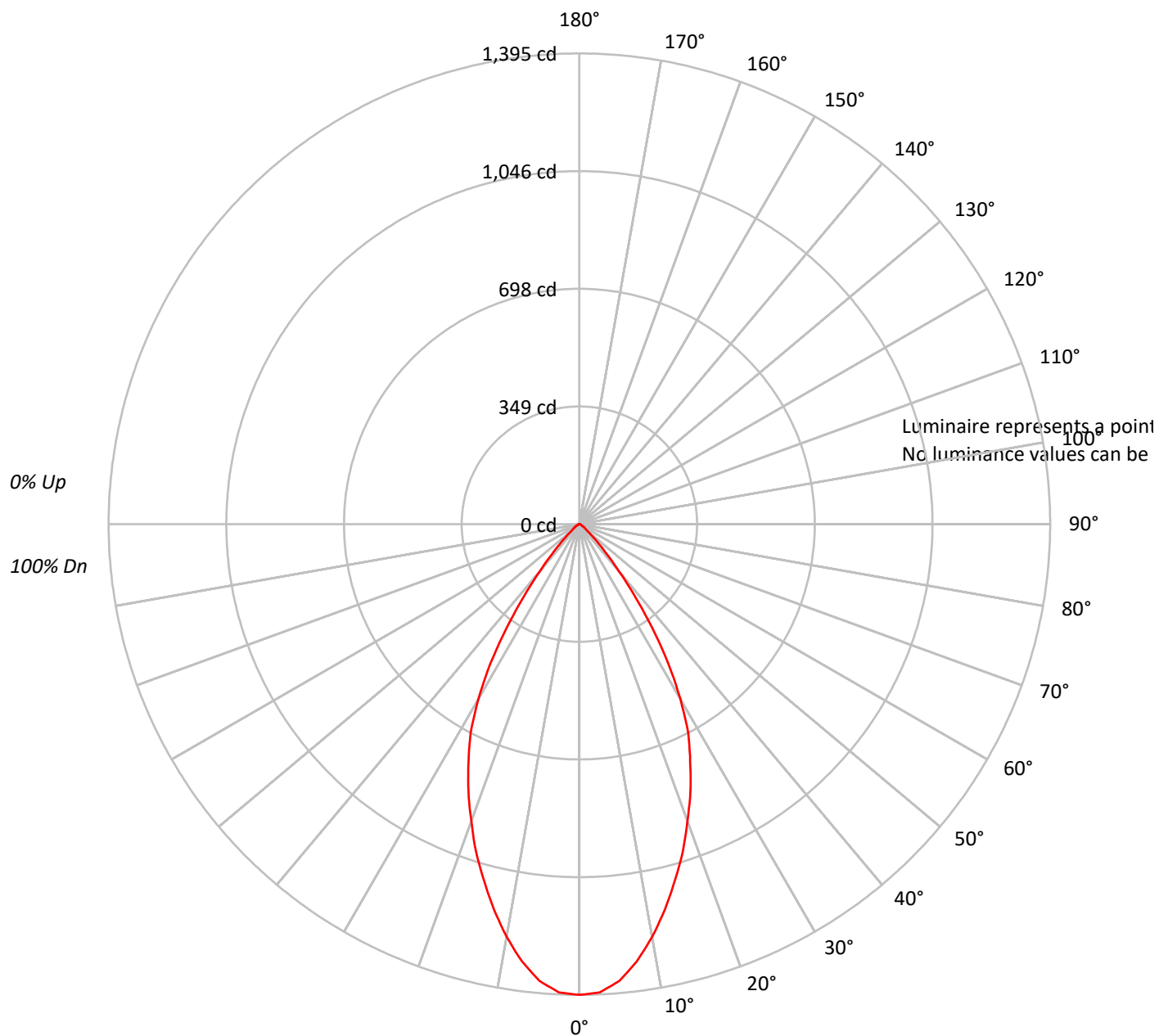
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





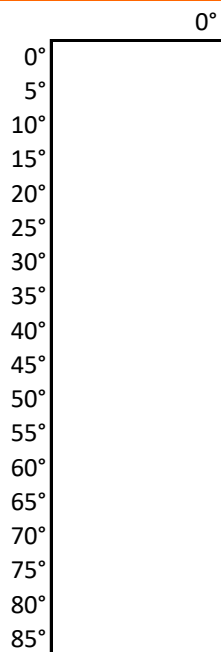
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	113	111	108	106	111	109	106	104		105	103	101			101	99	98			93
2	108	103	99	96	106	101	98	94		98	95	92			95	93	90			87
3	102	96	91	87	100	95	90	86		92	88	85			90	86	84			81
4	97	90	84	80	95	89	83	79		86	82	78			84	81	78			75
5	92	84	78	74	91	83	78	73		81	76	73			80	75	72			70
6	88	79	73	69	86	78	72	68		77	72	68			75	71	67			65
7	83	74	68	64	82	73	68	64		72	67	63			71	66	63			61
8	79	70	64	60	78	69	64	60		68	63	59			67	63	59			58
9	76	66	60	56	74	65	60	56		65	59	56			64	59	56			54
10	72	62	57	53	71	62	56	53		61	56	53			60	56	52			51

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.9	11.3
10°-20°	305.3	27.5
20°-30°	354.5	31.9
30°-40°	234.7	21.1
40°-50°	65.8	5.9
50°-60°	16.5	1.5
60°-70°	6.2	0.6
70°-80°	2.1	0.2
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°	785.6	70.7
0°-40°	1020.3	91.8
0°-60°	1102.7	99.3
0°-90°	1111.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1111.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1395	
5°	1359	126
15°	1093	305
25°	777	354
35°	376	235
45°	76	66
55°	18	17
65°	6	6
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1395.0
2.5°	1389.0
5°	1358.7
7.5°	1306.4
10°	1242.0
12.5°	1169.5
15°	1093.1
17.5°	1018.6
20°	936.0
22.5°	859.6
25°	777.0
27.5°	698.4
30°	597.9
32.5°	491.1
35°	376.4
37.5°	269.7
40°	183.2
42.5°	118.8
45°	76.4
47.5°	46.3
50°	30.2
52.5°	22.2
55°	18.1
57.5°	14.0
60°	10.1
62.5°	8.0
65°	6.0
67.5°	4.1
70°	4.1
72.5°	2.0
75°	2.0
77.5°	2.0
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)