

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: P211271

Luminaire Tested: **LE_4B15D010 EC4B10208035 4LBM1GPH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P211271
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 4LBM1GPH
Description: PORTFOLIO 4 INCH CYLINDER
MEDIUM 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: 959.8 lumens
Efficiency: N/A
Efficacy: 67.1 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.92
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

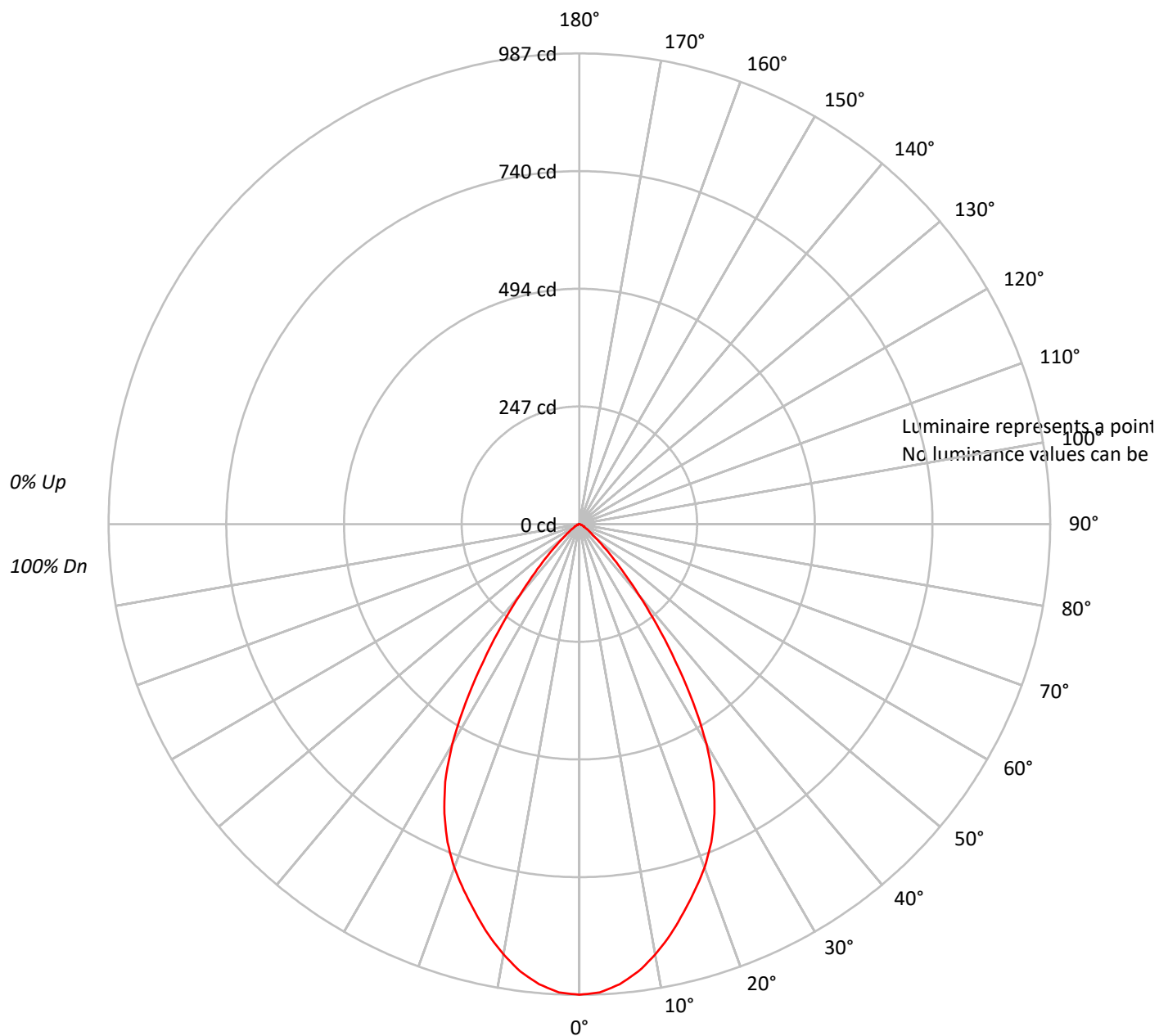
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	108	105		111	108	106	104		104	102	101		100	99	98		97	96	95
2	107	102	98	94		105	100	97	93		97	94	91		94	92	89		91	89	88
3	102	95	90	85		100	93	89	85		91	87	83		88	85	82		86	83	81
4	96	88	82	78		94	87	82	78		85	80	77		83	79	76		81	78	75
5	91	82	76	72		89	81	76	71		79	74	71		78	73	70		76	72	69
6	86	77	71	66		85	76	70	66		74	69	65		73	68	65		72	68	64
7	82	72	66	61		80	71	65	61		70	65	61		69	64	60		68	63	60
8	77	67	61	57		76	67	61	57		66	60	57		65	60	56		64	59	56
9	73	63	57	53		72	63	57	53		62	57	53		61	56	53		60	56	52
10	70	60	54	50		69	59	54	50		59	53	50		58	53	49		57	52	49

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.8	9.5
10°-20°	236.8	24.7
20°-30°	303.7	31.6
30°-40°	219.5	22.9
40°-50°	78.7	8.2
50°-60°	21.2	2.2
60°-70°	7.0	0.7
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°	631.3	65.8
0°-40°	850.8	88.6
0°-60°	950.7	99.1
0°-90°	959.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	959.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	987	
5°	969	91
15°	843	237
25°	670	304
35°	351	219
45°	95	79
55°	22	21
65°	6	7
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	986.8
2.5°	982.8
5°	968.6
7.5°	946.4
10°	916.2
12.5°	881.8
15°	843.4
17.5°	805.2
20°	766.8
22.5°	722.4
25°	669.9
27.5°	609.5
30°	532.8
32.5°	443.9
35°	351.1
37.5°	266.3
40°	193.7
42.5°	137.2
45°	94.9
47.5°	64.6
50°	42.3
52.5°	30.3
55°	22.2
57.5°	16.1
60°	12.1
62.5°	10.1
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)