

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: P407594

Luminaire Tested: **LE_4B15D010 EC4B10208035 4LBN3LI**

Issue Date: 3/3/2020



Test Information

Test Method: LM-41-14
Report Number: P407594
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35248)
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 4LBN3LI
Description: PORTFOLIO 4 INCH CYLINDER
NARROW DISTRIBUTION WITH SPECULAR CLEAR TRIM
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

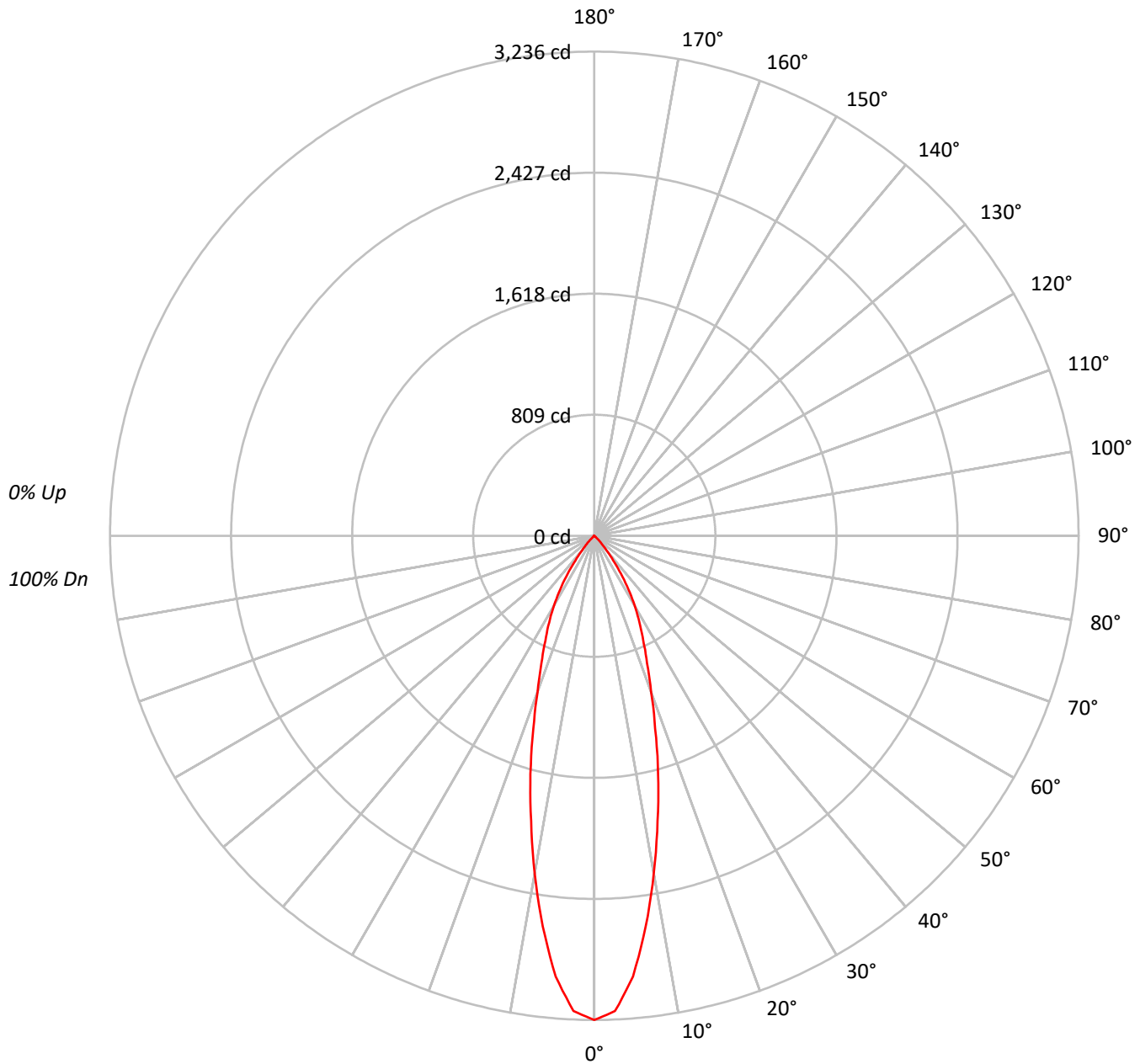
Lumens per Lamp: N/A
Luminaire Lumens: 1308.6 lumens
Efficiency: N/A
Efficacy: 91.5 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.5 / 0.55
Luminous Opening: Circular (Dia: 1.12' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P407594

CATALOG NUMBER: LE_4B15D010 EC4B10208035 4LBN3LI

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	112	110	108		112	110	108	106		106	104	103			102	101	100			98
2	109	105	102	99		107	103	100	97		100	98	95			97	95	93			95
3	105	99	95	91		103	98	94	91		95	92	89			93	90	88			91
4	100	94	89	85		99	93	88	85		91	87	84			89	85	83			87
5	96	89	84	80		95	88	83	80		86	82	79			85	81	78			83
6	92	85	79	76		91	84	79	75		82	78	75			81	77	74			80
7	89	81	75	72		87	80	75	71		79	74	71			78	74	71			77
8	85	77	72	68		84	76	71	68		75	71	68			74	70	67			73
9	82	73	68	65		81	73	68	65		72	68	65			71	67	64			71
10	79	70	65	62		78	70	65	62		69	65	62			68	64	62			68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	35044
5°	32151
10°	25191
15°	18474
20°	12781
25°	9241
30°	6723
35°	4081
40°	1777
45°	567
50°	76
55°	64
60°	48
65°	31
70°	38
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.3	19.9
10°-20°	454.2	34.7
20°-30°	359.6	27.5
30°-40°	194.5	14.9
40°-50°	35.5	2.7
50°-60°	3.0	0.2
60°-70°	1.3	0.1
70°-80°	0.2	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°	1074.2	82.1
0°-40°	1268.7	96.9
0°-60°	1307.1	99.9
0°-90°	1308.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1308.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3236	
5°	2958	260
15°	1648	454
25°	773	360
35°	309	194
45°	37	35
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3236.2
2.5°	3180.0
5°	2957.8
7.5°	2633.4
10°	2291.0
12.5°	1950.9
15°	1647.9
17.5°	1352.7
20°	1109.1
22.5°	921.6
25°	773.4
27.5°	654.5
30°	537.7
32.5°	424.3
35°	308.7
37.5°	206.6
40°	125.7
42.5°	73.0
45°	37.0
47.5°	14.6
50°	4.5
52.5°	4.5
55°	3.4
57.5°	2.2
60°	2.2
62.5°	1.2
65°	1.2
67.5°	1.2
70°	1.2
72.5°	0.0
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)