

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: P211100

Luminaire Tested: **LE_4B15D010 EC4B10208027 4LBM1WH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P211100
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 EC4B10208027 4LBM1WH
Description: PORTFOLIO 4 INCH CYLINDER
MEDIUM DISTRIBUTION WITH WHEAT 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: 1274.3 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.87
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

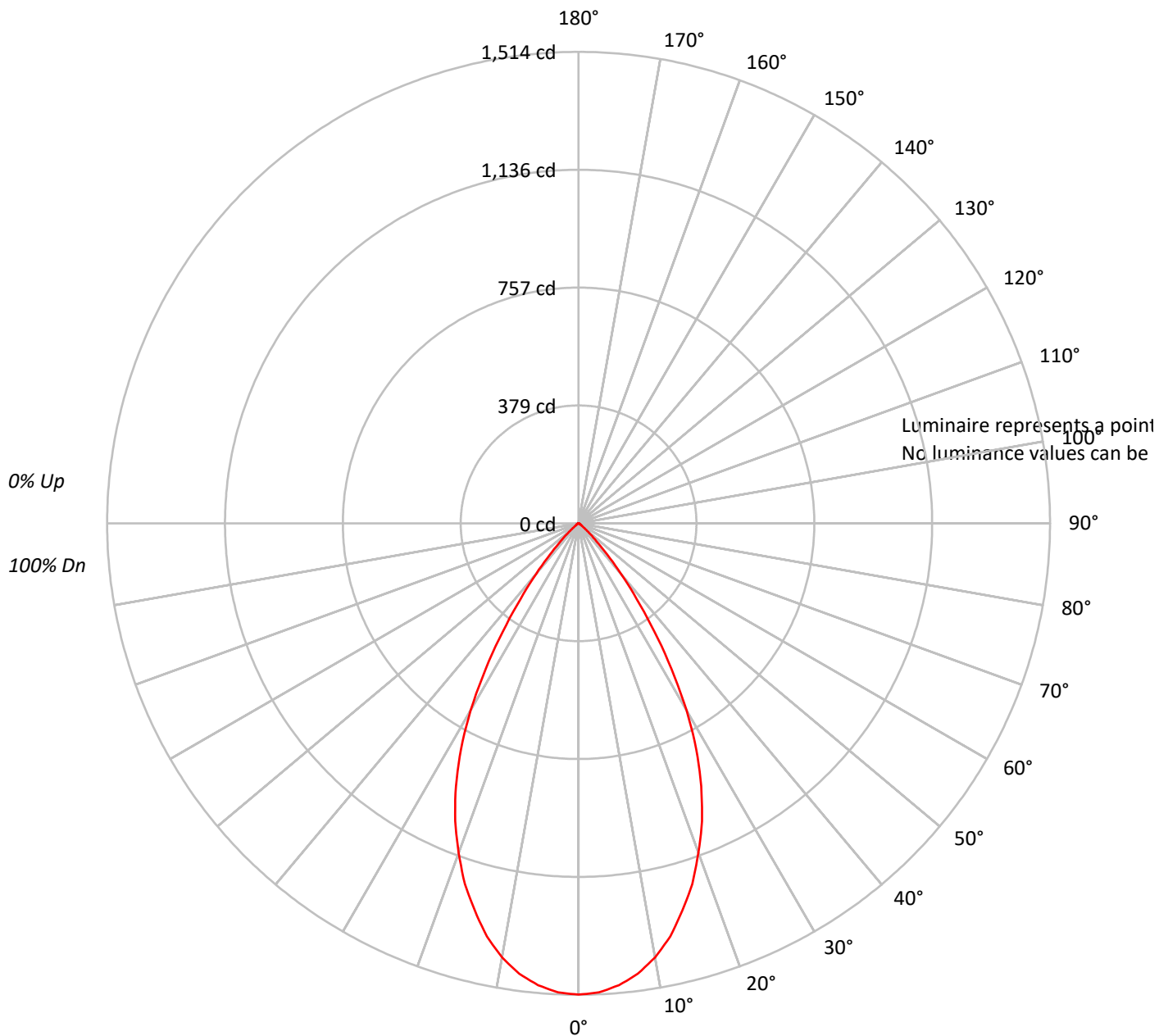
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





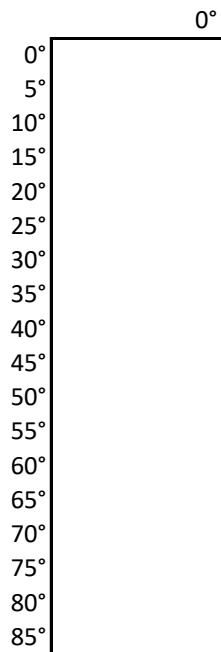
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.8	11.0
10°-20°	359.5	28.2
20°-30°	421.7	33.1
30°-40°	266.9	20.9
40°-50°	71.5	5.6
50°-60°	10.0	0.8
60°-70°	3.7	0.3
70°-80°	1.2	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°	921.0	72.3
0°-40°	1187.9	93.2
0°-60°	1269.4	99.6
0°-90°	1274.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1274.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1514	
5°	1489	140
15°	1288	359
25°	932	422
35°	424	267
45°	81	71
55°	9	10
65°	4	4
75°	2	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1513.5
2.5°	1507.8
5°	1489.0
7.5°	1458.8
10°	1415.5
12.5°	1359.1
15°	1287.5
17.5°	1214.2
20°	1125.7
22.5°	1035.3
25°	931.8
27.5°	818.8
30°	692.8
32.5°	555.3
35°	423.5
37.5°	306.8
40°	210.8
42.5°	135.5
45°	81.0
47.5°	45.1
50°	24.5
52.5°	13.2
55°	9.4
57.5°	7.5
60°	5.7
62.5°	5.7
65°	3.7
67.5°	1.9
70°	1.9
72.5°	1.9
75°	1.9
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)