

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: P211059

Luminaire Tested: **LE_4B10D010 EC4B10209050 4LBW1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P211059
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_4B10D010 EC4B10209050 4LBW1H
Description: PORTFOLIO 4 INCH CYLINDER
WIDE DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM
WATTAGE D010TR-10.05W DE010-10.58W D5LT-10.2W DMX-10.6W DL2-11.8W
DL3-11.1W DLE-11.39W
Light Source: HIGH LUMEN LED
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 907.1 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

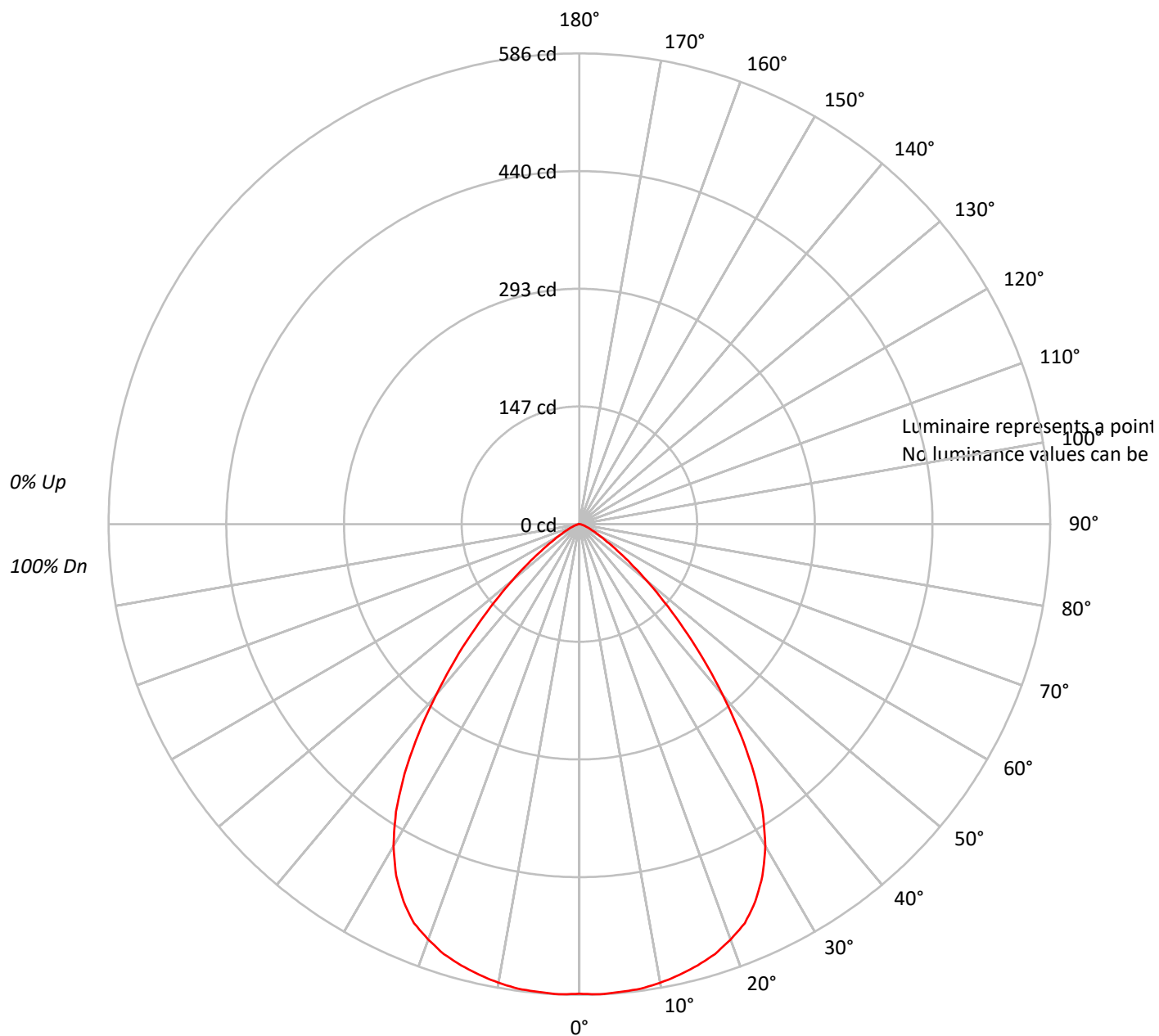
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	104		110	107	104	102		103	101	99		99	97	96		96	94	93
2	105	100	95	91		103	98	93	90		95	91	88		91	88	86		89	86	84
3	99	91	85	80		97	90	84	80		87	82	78		84	80	77		82	79	76
4	92	83	77	72		90	82	76	71		80	75	70		78	73	70		76	72	69
5	87	77	70	65		85	76	69	64		74	68	64		72	67	63		70	66	62
6	81	71	64	58		80	70	63	58		68	62	58		67	61	57		65	61	57
7	76	65	58	53		75	65	58	53		63	57	53		62	56	52		61	56	52
8	72	60	53	49		70	60	53	49		59	53	48		58	52	48		57	52	48
9	68	56	49	45		66	56	49	45		55	49	44		54	48	44		53	48	44
10	64	52	46	41		63	52	46	41		51	45	41		50	45	41		49	44	41

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.7	6.1
10°-20°	160.4	17.7
20°-30°	236.7	26.1
30°-40°	233.6	25.8
40°-50°	143.0	15.8
50°-60°	54.8	6.0
60°-70°	17.1	1.9
70°-80°	5.0	0.5
80°-90°	0.7	0.1
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°	452.9	49.9
0°-40°	686.5	75.7
0°-60°	884.3	97.5
0°-90°	907.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	907.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	585	
5°	585	56
15°	569	160
25°	518	237
35°	379	234
45°	183	143
55°	58	55
65°	16	17
75°	5	5
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	584.6
2.5°	585.9
5°	584.6
7.5°	583.5
10°	579.8
12.5°	574.9
15°	568.7
17.5°	561.3
20°	550.2
22.5°	537.9
25°	518.2
27.5°	493.6
30°	462.8
32.5°	424.7
35°	379.1
37.5°	328.6
40°	277.0
42.5°	229.0
45°	183.4
47.5°	142.8
50°	108.3
52.5°	80.0
55°	57.9
57.5°	40.6
60°	29.6
62.5°	22.2
65°	16.0
67.5°	12.3
70°	8.6
72.5°	6.1
75°	4.9
77.5°	2.4
80°	2.4
82.5°	1.3
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)