

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: P211345

Luminaire Tested: **LSR4B15D010BZ EC4B10208040 4LBSWH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P211345
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: LSR4B15D010BZ EC4B10208040 4LBSWH1
Description: PORTFOLIO 4 INCH CYLINDER
SHALLOW 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: 1529.5 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 1.08
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

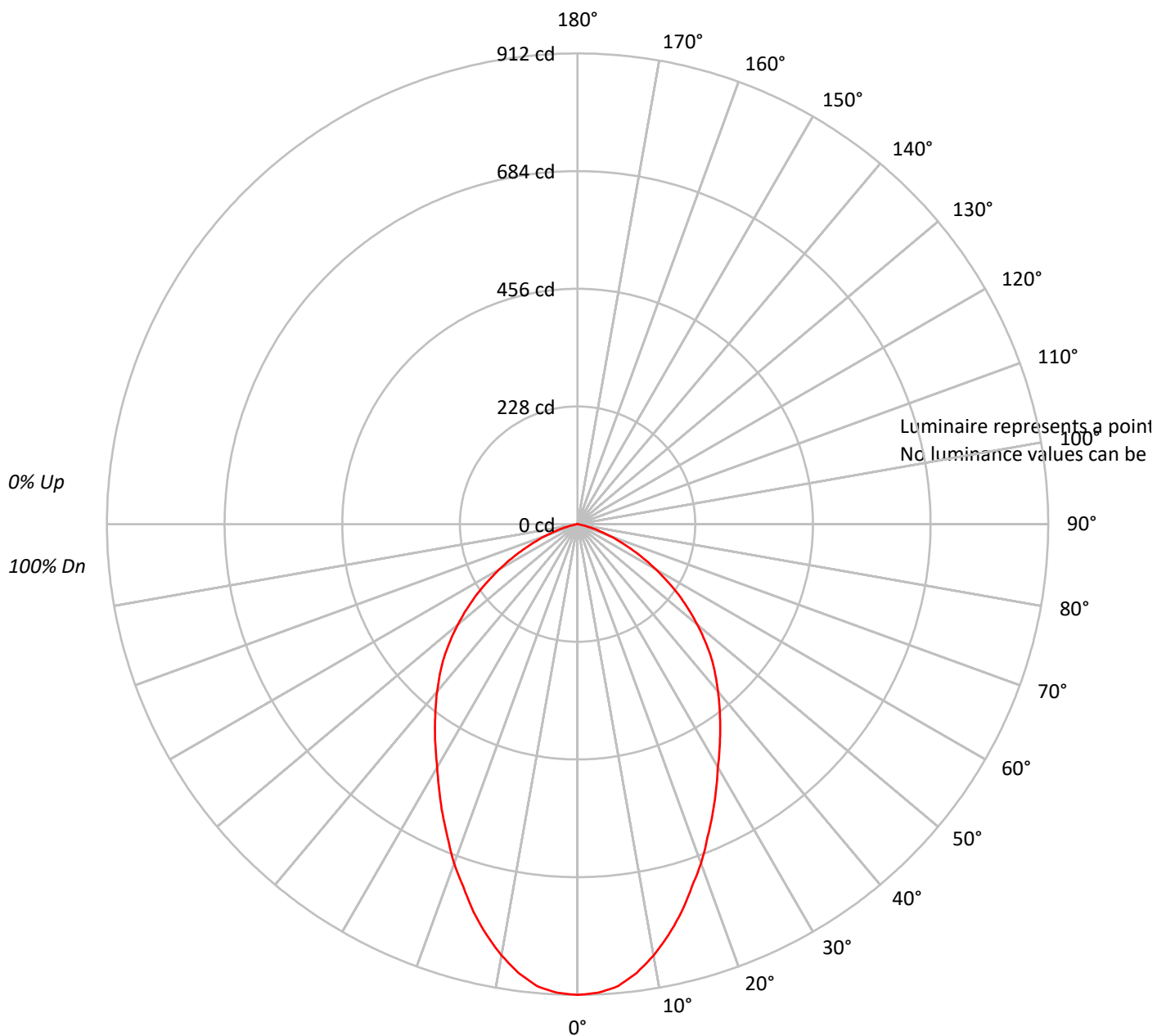
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101		108	105	102	99		101	98	96		97	95	93		94	92	90
2	103	96	90	85		100	94	89	84		91	86	83		87	84	81		85	82	79
3	95	86	79	73		93	84	78	73		82	76	72		79	74	70		76	73	69
4	88	77	70	64		86	76	69	63		74	68	63		72	66	62		69	65	61
5	81	70	62	56		79	69	62	56		67	60	55		65	59	55		63	58	54
6	76	64	56	50		74	63	55	50		61	54	49		60	54	49		58	53	49
7	71	58	51	45		69	58	50	45		56	49	45		55	49	44		54	48	44
8	66	54	46	41		65	53	46	41		52	45	40		51	45	40		50	44	40
9	62	50	42	37		61	49	42	37		48	41	37		47	41	37		46	41	37
10	58	46	39	34		57	46	39	34		45	38	34		44	38	34		43	38	34

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.1	5.5
10°-20°	217.8	14.2
20°-30°	284.8	18.6
30°-40°	301.6	19.7
40°-50°	281.3	18.4
50°-60°	213.1	13.9
60°-70°	115.4	7.5
70°-80°	31.0	2.0
80°-90°	0.4	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°	586.7	38.4
0°-40°	888.4	58.1
0°-60°	1382.7	90.4
0°-90°	1529.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1529.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	912	
5°	899	84
15°	778	218
25°	619	285
35°	482	302
45°	367	281
55°	239	213
65°	116	115
75°	27	31
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	912.2
2.5°	908.9
5°	898.8
7.5°	877.1
10°	848.6
12.5°	815.1
15°	778.3
17.5°	736.5
20°	699.6
22.5°	657.8
25°	619.3
27.5°	580.8
30°	544.0
32.5°	512.2
35°	482.0
37.5°	451.9
40°	423.5
42.5°	395.0
45°	366.6
47.5°	334.8
50°	303.0
52.5°	271.1
55°	239.3
57.5°	205.9
60°	174.1
62.5°	143.9
65°	115.5
67.5°	88.7
70°	65.3
72.5°	45.2
75°	26.8
77.5°	11.7
80°	3.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)