

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: P274401

Luminaire Tested: **LD6B15DE010W2N2050 EU6B1020W2N902050 6LBW0H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P274401  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35120)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B15DE010W2N2050 EU6B1020W2N902050 6LBW0H  
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, WIDE DISTRIBUTION WITH HAZE FINISH  
Light Source: W2N 2000K-5000K CCT TUNING RANGE  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1188.0 lumens  
Efficiency: N/A  
Efficacy: 54.0 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

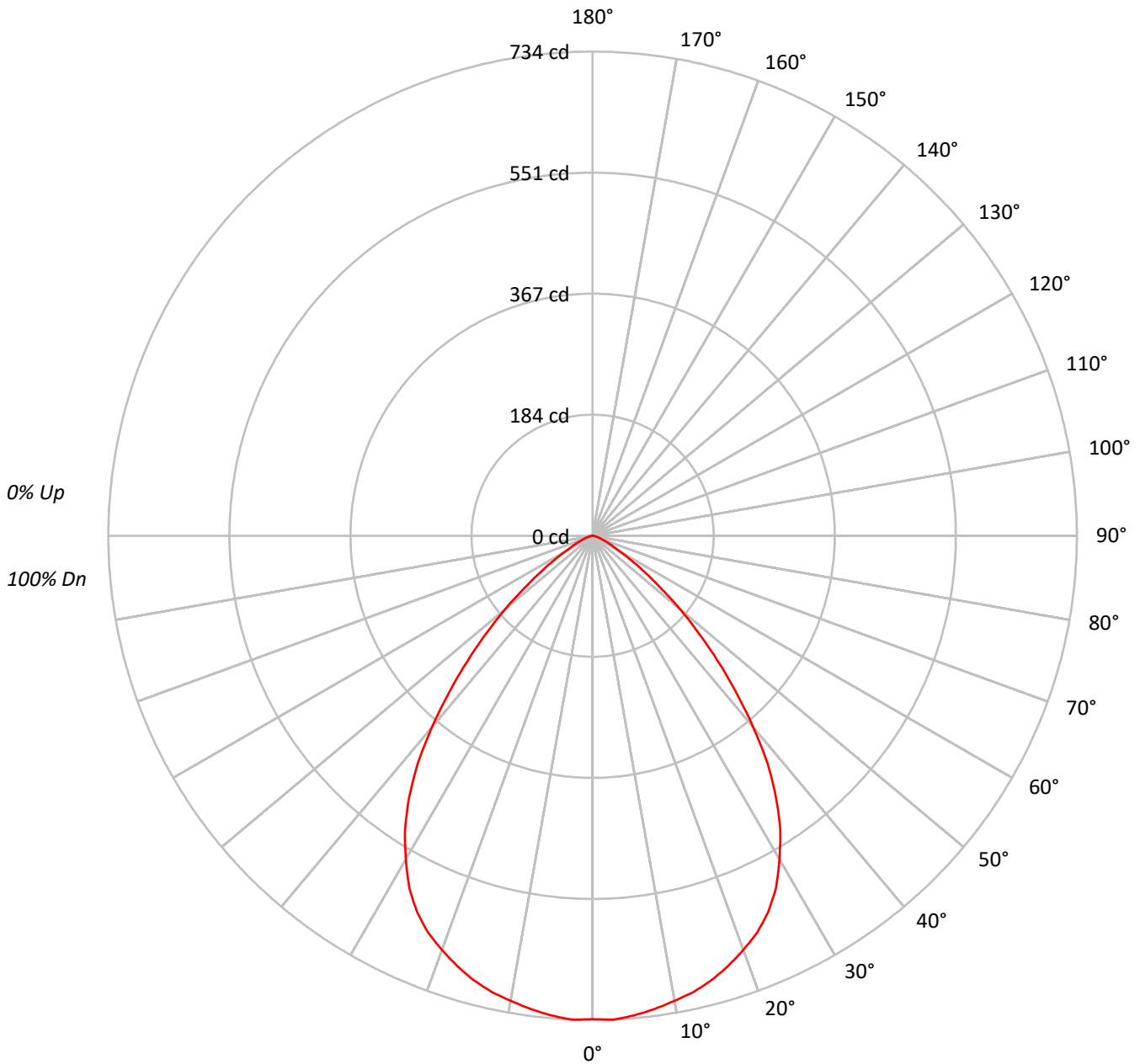
Input Watts (W): 22  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91			91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81			81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73			73
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65			65
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59			59
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53			53
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49			49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			44
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41			41
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38			38

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	47802
5°	47788
10°	47420
15°	47097
20°	46385
25°	45322
30°	42676
35°	38619
40°	32252
45°	24718
50°	17498
55°	11033
60°	6224
65°	4045
70°	2651
75°	1941
80°	1165
85°	1123



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.2	5.8
10°-20°	196.4	16.5
20°-30°	287.9	24.2
30°-40°	299.7	25.2
40°-50°	207.3	17.5
50°-60°	90.3	7.6
60°-70°	27.7	2.3
70°-80°	8.3	0.7
80°-90°	1.2	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°	553.5	46.6
0°-40°	853.2	71.8
0°-60°	1150.8	96.9
0°-90°	1188.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1188.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	733	
5°	730	69
15°	697	196
25°	630	288
35°	485	300
45°	268	207
55°	97	90
65°	26	28
75°	8	8
85°	2	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	732.7
2.5°	734.3
5°	729.7
7.5°	723.5
10°	715.8
12.5°	708.1
15°	697.3
17.5°	683.5
20°	668.1
22.5°	651.2
25°	629.6
27.5°	601.9
30°	566.5
32.5°	529.6
35°	484.9
37.5°	435.6
40°	378.7
42.5°	321.7
45°	267.9
47.5°	217.1
50°	172.4
52.5°	130.8
55°	97.0
57.5°	69.3
60°	47.7
62.5°	35.4
65°	26.2
67.5°	20.0
70°	13.9
72.5°	10.8
75°	7.7
77.5°	4.6
80°	3.1
82.5°	1.5
85°	1.5
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)