

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: P274406

Luminaire Tested: **LD6B10DE010W2N2050 EU6B1020W2N902050 6LBW0MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P274406
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35124)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B10DE010W2N2050 EU6B1020W2N902050 6LBW0MW
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, WIDE DISTRIBUTION WITH MATTE WHITE FINISH
Light Source: W2N 2000K-5000K CCT TUNING RANGE
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 785.8 lumens
Efficiency: N/A
Efficacy: 56.1 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.15
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

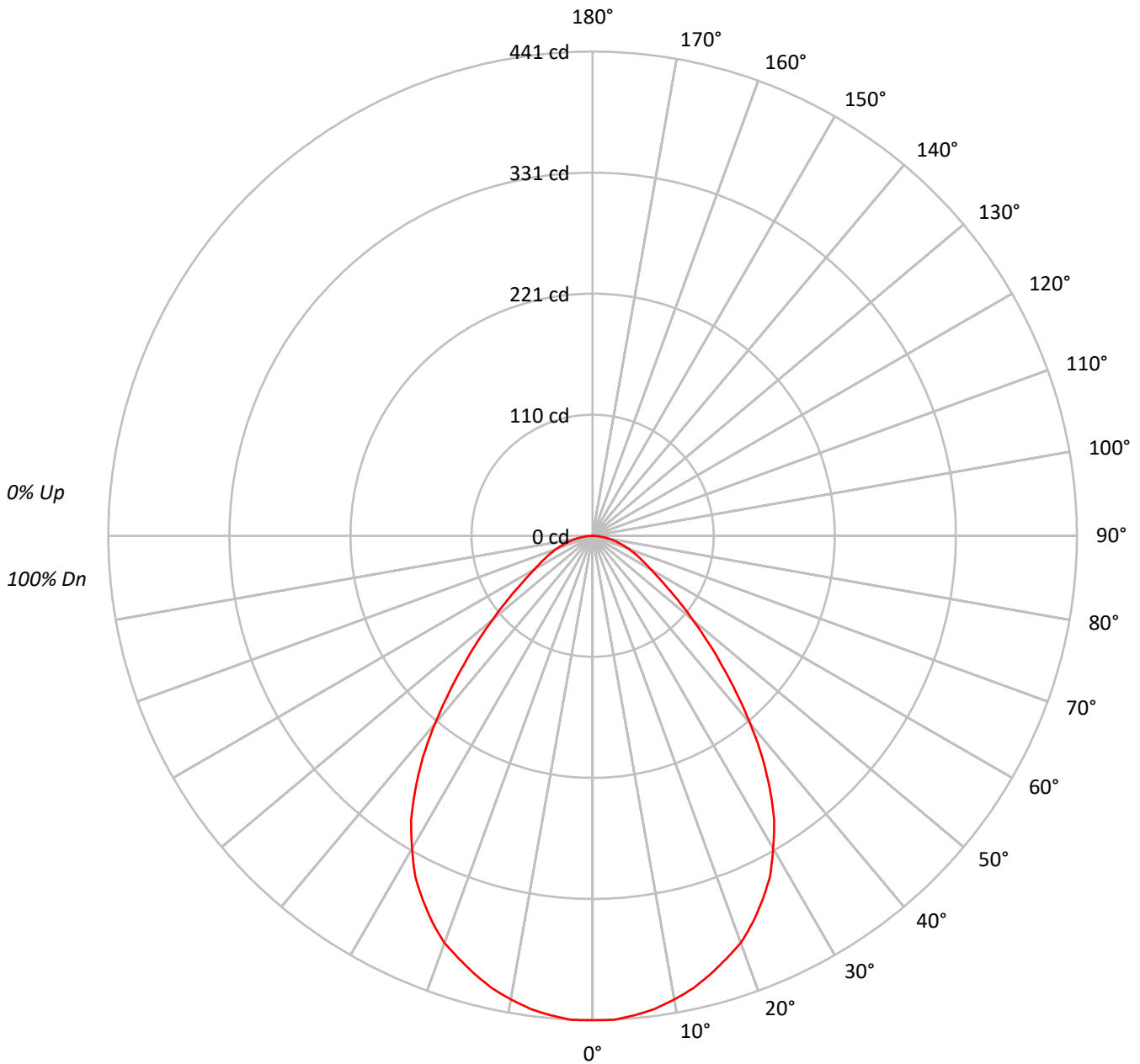
Input Watts (W): 14
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88			88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77			77
3	95	86	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68			68
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60			60
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54			54
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49			49
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44			44
8	67	55	48	42	66	55	47	42	53	47	42	52	46	42	51	46	42	40			40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37			37
10	60	48	40	36	58	47	40	36	46	40	36	45	39	35	45	39	35	34			34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	28791
5°	28711
10°	28413
15°	27935
20°	27396
25°	26347
30°	24770
35°	22396
40°	18992
45°	15297
50°	12088
55°	9543
60°	7959
65°	7209
70°	6734
75°	5999
80°	5373
85°	4267



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.6	5.3
10°-20°	116.5	14.8
20°-30°	167.9	21.4
30°-40°	174.3	22.2
40°-50°	128.9	16.4
50°-60°	77.0	9.8
60°-70°	46.8	6.0
70°-80°	25.6	3.3
80°-90°	7.1	0.9
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°	326.0	41.5
0°-40°	500.4	63.7
0°-60°	706.3	89.9
0°-90°	785.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	785.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	441	
5°	438	42
15°	414	117
25°	366	168
35°	281	174
45°	166	129
55°	84	77
65°	47	47
75°	24	26
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	441.3
2.5°	441.3
5°	438.4
7.5°	434.6
10°	428.9
12.5°	422.2
15°	413.6
17.5°	404.1
20°	394.6
22.5°	381.2
25°	366.0
27.5°	349.8
30°	328.8
32.5°	307.8
35°	281.2
37.5°	253.5
40°	223.0
42.5°	193.5
45°	165.8
47.5°	141.1
50°	119.1
52.5°	100.1
55°	83.9
57.5°	71.5
60°	61.0
62.5°	53.4
65°	46.7
67.5°	41.0
70°	35.3
72.5°	29.5
75°	23.8
77.5°	19.1
80°	14.3
82.5°	10.5
85°	5.7
87.5°	2.9
90°	0.0



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— 0°-180°







(END OF REPORT)