

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: P274426

Luminaire Tested: **LD6B15DE010W2N2050 EU6B1020W2N902050 6LBCS0MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P274426
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35143)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B15DE010W2N2050 EU6B1020W2N902050 6LBCS0MB
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, CAST SHALLOW WITH MATTE BLACK FINISH
Light Source: W2N 2000K-5000K CCT TUNING RANGE
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1147.5 lumens
Efficiency: N/A
Efficacy: 52.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

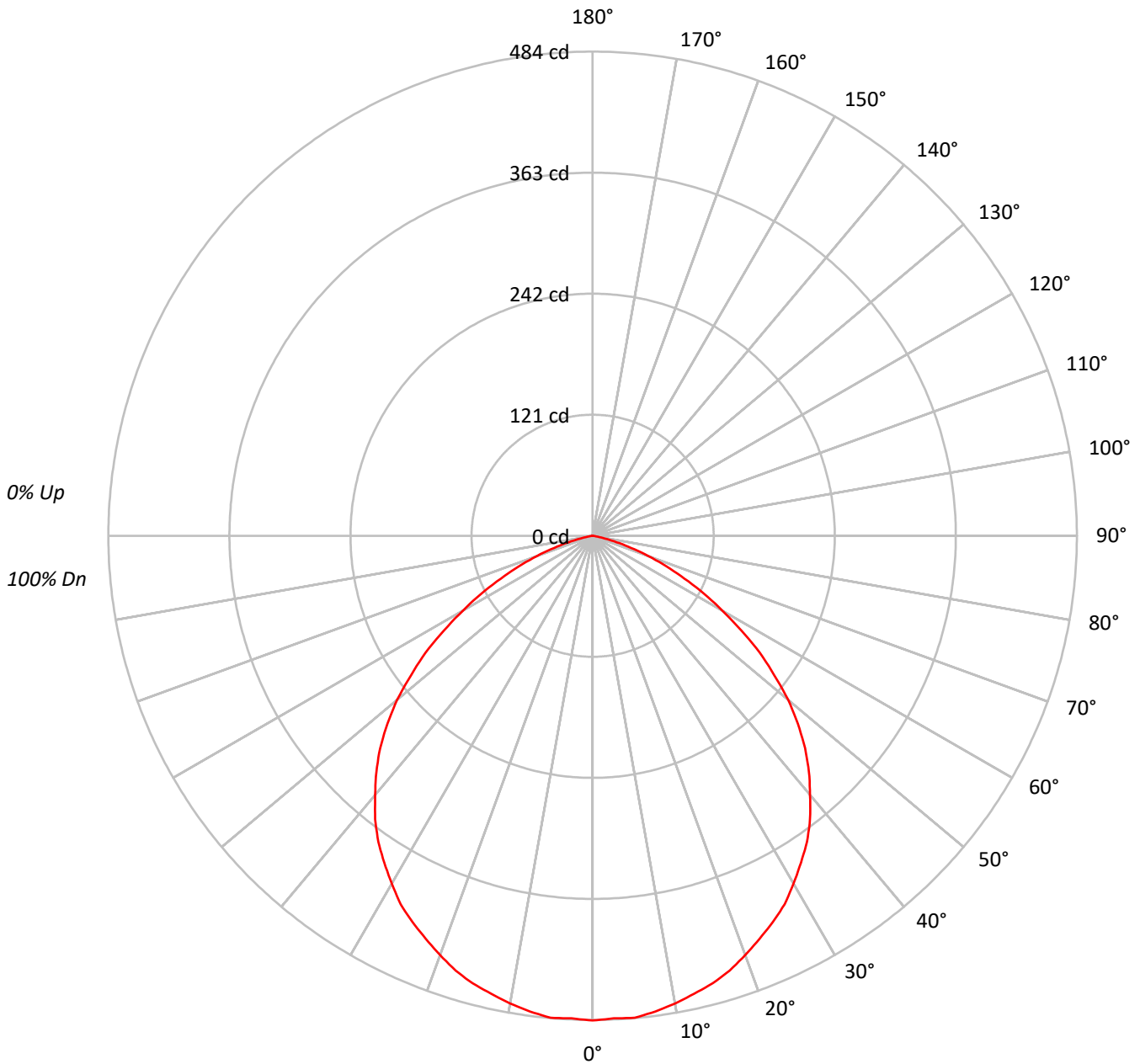
Input Watts (W): 22
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				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	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88			88
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75			75
3	93	84	77	71	91	83	76	70	80	74	69	77	72	68	74	70	67	65			65
4	86	75	67	61	84	74	66	61	71	65	60	69	63	59	67	62	58	56			56
5	79	67	59	53	77	66	59	53	64	57	52	62	56	52	61	55	51	49			49
6	74	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43			43
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	39			39
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	46	41	36	35			35
9	60	47	39	33	58	46	39	33	45	38	33	44	38	33	43	37	33	31			31
10	56	43	35	30	55	43	35	30	42	35	30	41	34	30	40	34	30	28			28

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	31609
5°	31677
10°	31447
15°	31285
20°	30958
25°	30673
30°	30246
35°	29747
40°	28794
45°	27707
50°	25882
55°	23204
60°	19533
65°	15622
70°	11292
75°	6226
80°	1240
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.8	4.0
10°-20°	130.6	11.4
20°-30°	196.3	17.1
30°-40°	232.9	20.3
40°-50°	230.5	20.1
50°-60°	181.0	15.8
60°-70°	101.5	8.8
70°-80°	28.5	2.5
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°	372.7	32.5
0°-40°	605.6	52.8
0°-60°	1017.0	88.6
0°-90°	1147.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1147.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	484	
5°	484	46
15°	463	131
25°	426	196
35°	374	233
45°	300	230
55°	204	181
65°	101	102
75°	25	28
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	484.5
2.5°	482.9
5°	483.7
7.5°	479.6
10°	474.7
12.5°	468.9
15°	463.2
17.5°	455.7
20°	445.9
22.5°	436.0
25°	426.1
27.5°	415.4
30°	401.5
32.5°	387.5
35°	373.5
37.5°	357.0
40°	338.1
42.5°	320.0
45°	300.3
47.5°	278.1
50°	255.0
52.5°	228.7
55°	204.0
57.5°	176.0
60°	149.7
62.5°	125.9
65°	101.2
67.5°	79.8
70°	59.2
72.5°	40.3
75°	24.7
77.5°	12.3
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)