

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: P274421

Luminaire Tested: **LD6B15DE010W2N2050 EU6B1020W2N902050 6LBCS0MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P274421
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35142)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B15DE010W2N2050 EU6B1020W2N902050 6LBCS0MW
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, CAST SHALLOW WITH MATTE WHITE FINISH
Light Source: W2N 2000K-5000K CCT TUNING RANGE
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1363.5 lumens
Efficiency: N/A
Efficacy: 62.0 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

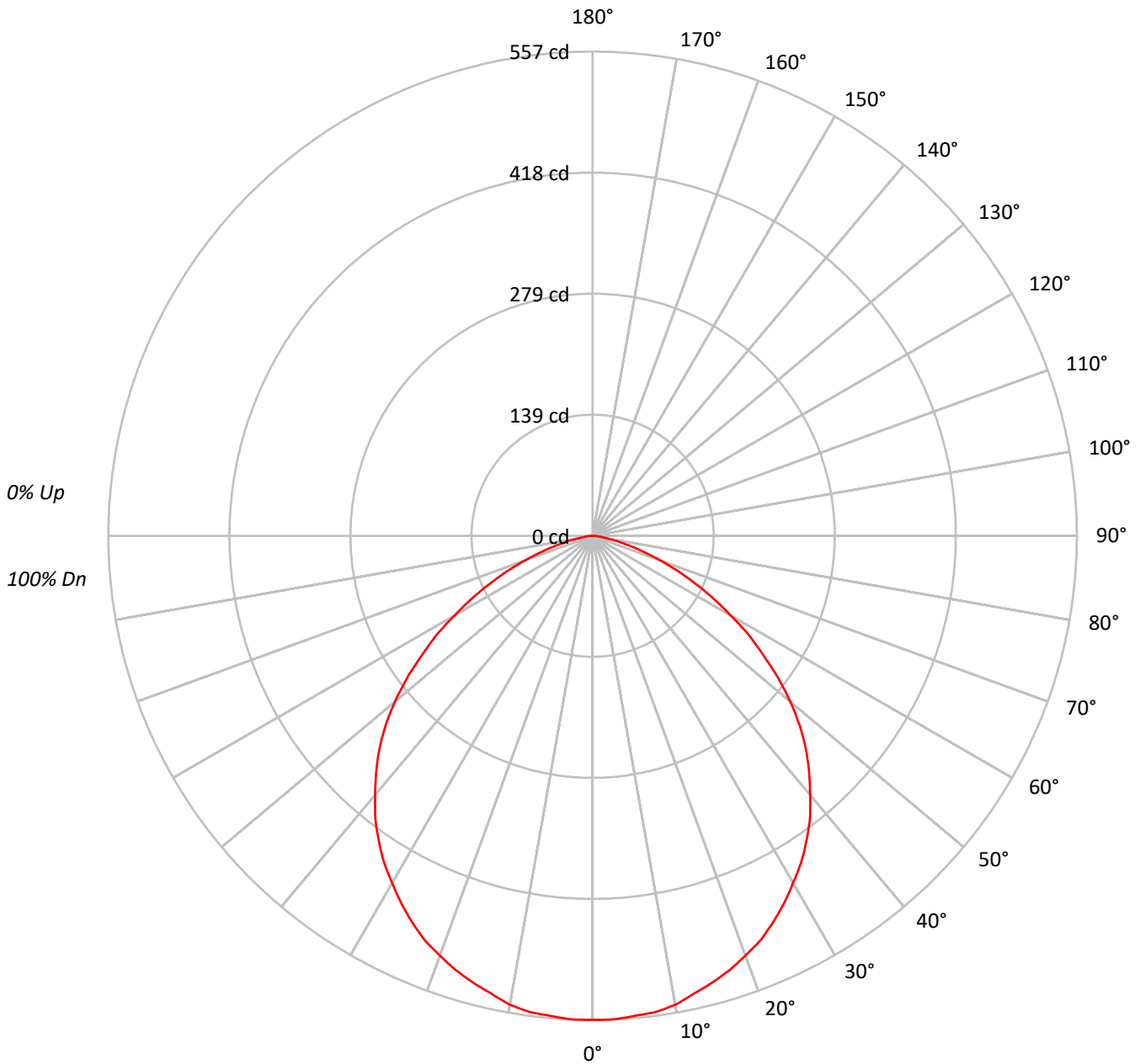
Input Watts (W): 22
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87			87
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74			74
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63			63
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55			55
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48			48
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42			42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37			37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33			33
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30			30
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27			27

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	36333
5°	36308
10°	36290
15°	35939
20°	35679
25°	35330
30°	34736
35°	34151
40°	33146
45°	32016
50°	30104
55°	27253
60°	23930
65°	20146
70°	15756
75°	11041
80°	6199
85°	4342



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.8	3.9
10°-20°	150.2	11.0
20°-30°	226.0	16.6
30°-40°	267.8	19.6
40°-50°	266.5	19.5
50°-60°	214.8	15.8
60°-70°	130.0	9.5
70°-80°	48.3	3.5
80°-90°	7.2	0.5
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°	428.9	31.5
0°-40°	696.7	51.1
0°-60°	1178.1	86.4
0°-90°	1363.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1363.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	557	
5°	554	53
15°	532	150
25°	491	226
35°	429	268
45°	347	267
55°	240	215
65°	130	130
75°	44	48
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	556.9
2.5°	556.9
5°	554.4
7.5°	552.8
10°	547.8
12.5°	539.5
15°	532.1
17.5°	523.8
20°	513.9
22.5°	504.0
25°	490.8
27.5°	476.7
30°	461.1
32.5°	446.2
35°	428.8
37.5°	410.6
40°	389.2
42.5°	368.5
45°	347.0
47.5°	323.1
50°	296.6
52.5°	269.4
55°	239.6
57.5°	213.2
60°	183.4
62.5°	157.0
65°	130.5
67.5°	105.8
70°	82.6
72.5°	62.0
75°	43.8
77.5°	28.1
80°	16.5
82.5°	9.9
85°	5.8
87.5°	2.5
90°	0.0



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— 0°-180°







(END OF REPORT)