

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: P274427

Luminaire Tested: **LD6B20DE010W2N2050 EU6B1020W2N902050 6LBCS0MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P274427
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: LD6B20DE010W2N2050 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: 1399.8 lumens
Efficiency: N/A
Efficacy: 50.0 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

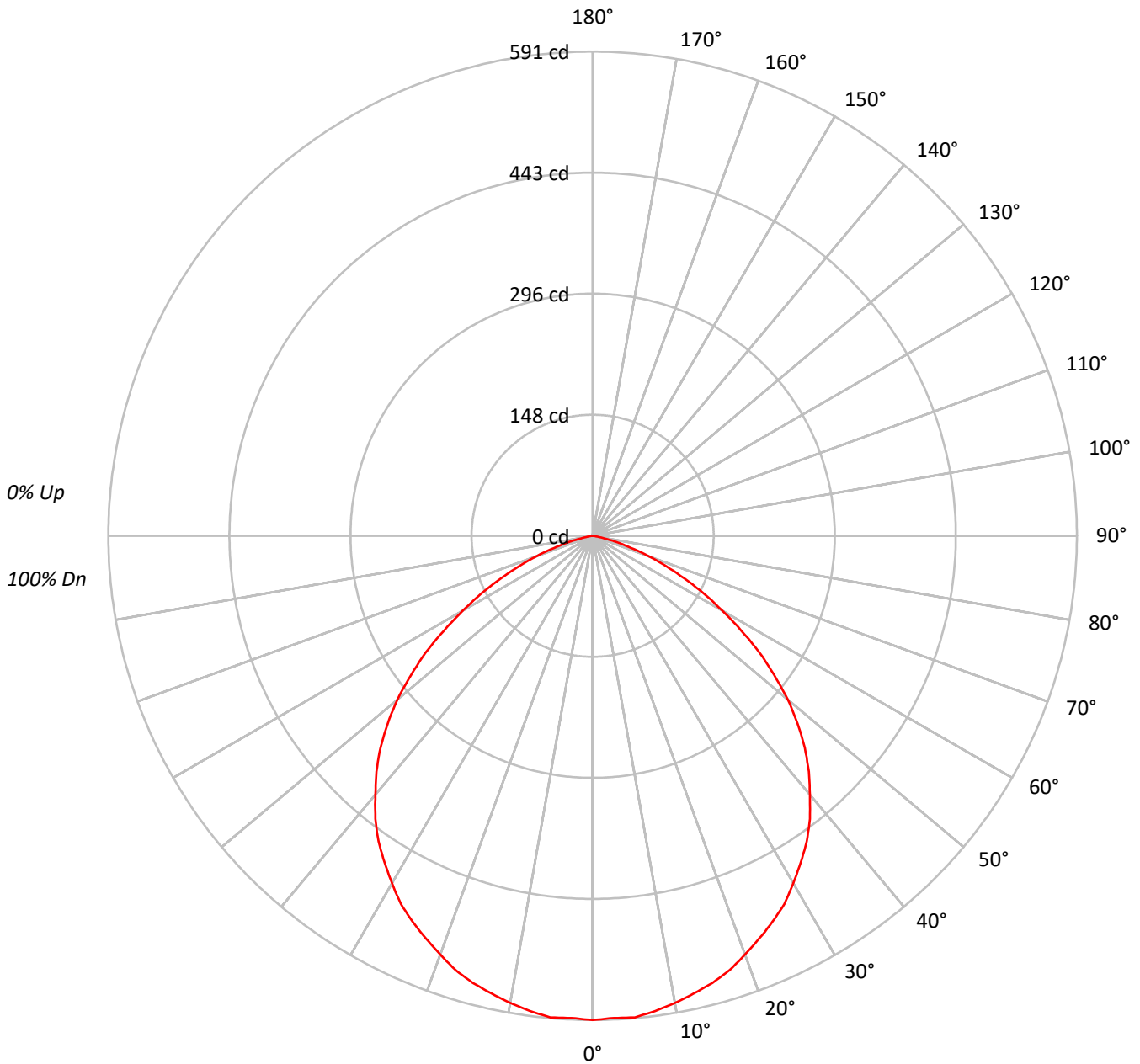
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	38564
5°	38646
10°	38357
15°	38161
20°	37762
25°	37418
30°	36891
35°	36286
40°	35122
45°	33796
50°	31576
55°	28311
60°	23826
65°	19050
70°	13791
75°	7587
80°	1503
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.9	4.0
10°-20°	159.3	11.4
20°-30°	239.4	17.1
30°-40°	284.1	20.3
40°-50°	281.1	20.1
50°-60°	220.8	15.8
60°-70°	123.8	8.8
70°-80°	34.8	2.5
80°-90°	0.5	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°	454.6	32.5
0°-40°	738.7	52.8
0°-60°	1240.7	88.6
0°-90°	1399.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1399.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	591	
5°	590	56
15°	565	159
25°	520	239
35°	456	284
45°	366	281
55°	249	221
65°	123	124
75°	30	35
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	591.1
2.5°	589.1
5°	590.1
7.5°	585.0
10°	579.0
12.5°	572.0
15°	565.0
17.5°	555.9
20°	543.9
22.5°	531.9
25°	519.8
27.5°	506.8
30°	489.7
32.5°	472.6
35°	455.6
37.5°	435.5
40°	412.4
42.5°	390.4
45°	366.3
47.5°	339.2
50°	311.1
52.5°	279.0
55°	248.9
57.5°	214.7
60°	182.6
62.5°	153.5
65°	123.4
67.5°	97.3
70°	72.3
72.5°	49.2
75°	30.1
77.5°	15.1
80°	4.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)