

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: **LD6B20DE010W2N2050 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: LD6B20DE010W2N2050 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: 1663.3 lumens
Efficiency: N/A
Efficacy: 59.4 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

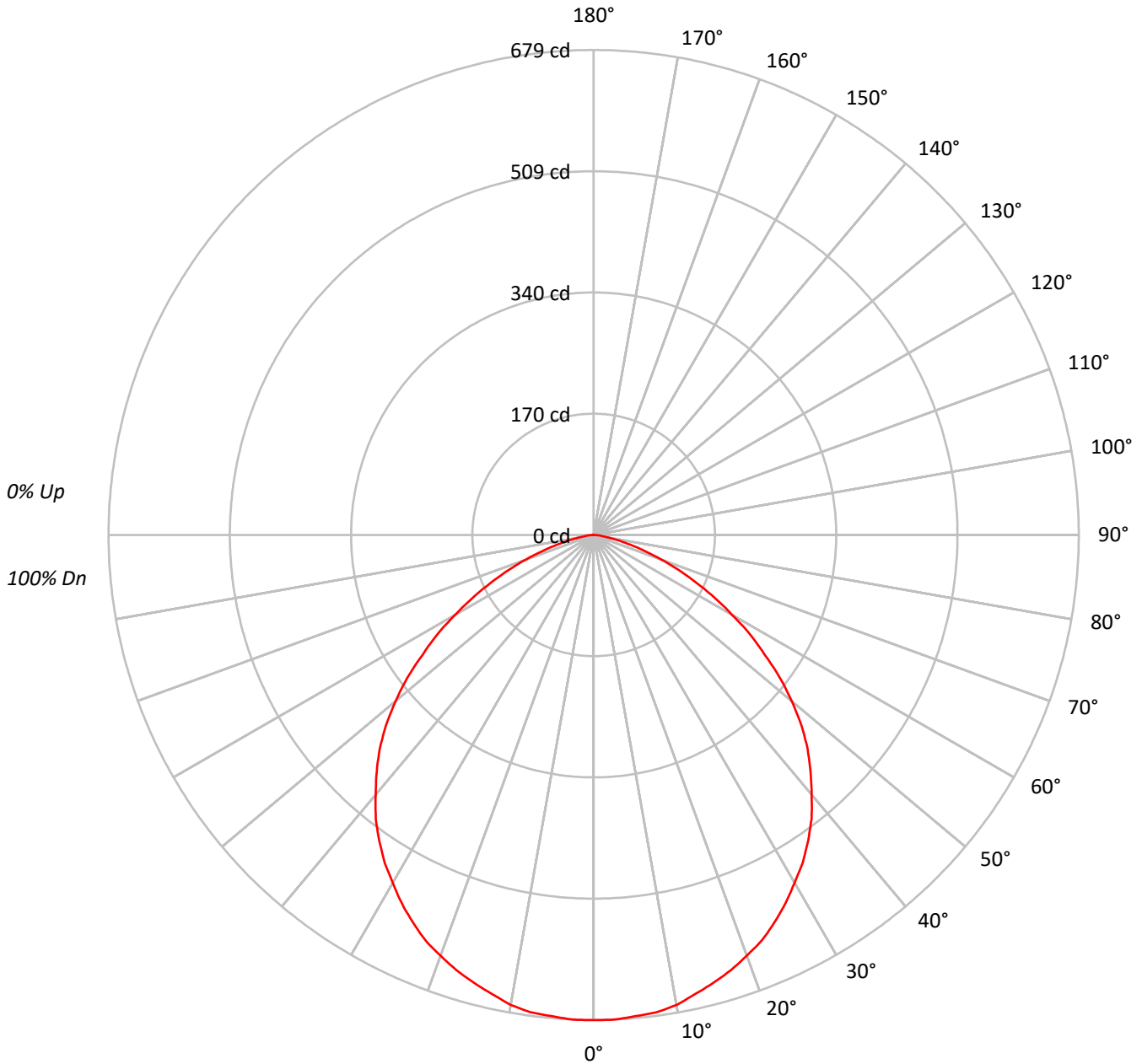
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				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°	44318
5°	44291
10°	44266
15°	43842
20°	43524
25°	43097
30°	42367
35°	41662
40°	40428
45°	39055
50°	36721
55°	33247
60°	29202
65°	24576
70°	19228
75°	13461
80°	7589
85°	5315



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.4	3.9
10°-20°	183.2	11.0
20°-30°	275.6	16.6
30°-40°	326.7	19.6
40°-50°	325.1	19.5
50°-60°	262.1	15.8
60°-70°	158.5	9.5
70°-80°	58.9	3.5
80°-90°	8.8	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°	523.2	31.5
0°-40°	849.9	51.1
0°-60°	1437.1	86.4
0°-90°	1663.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1663.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	679	
5°	676	64
15°	649	183
25°	599	276
35°	523	327
45°	423	325
55°	292	262
65°	159	159
75°	53	59
85°	7	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	679.3
2.5°	679.3
5°	676.3
7.5°	674.3
10°	668.2
12.5°	658.2
15°	649.1
17.5°	639.0
20°	626.9
22.5°	614.8
25°	598.7
27.5°	581.6
30°	562.4
32.5°	544.3
35°	523.1
37.5°	500.9
40°	474.7
42.5°	449.5
45°	423.3
47.5°	394.1
50°	361.8
52.5°	328.6
55°	292.3
57.5°	260.0
60°	223.8
62.5°	191.5
65°	159.2
67.5°	129.0
70°	100.8
72.5°	75.6
75°	53.4
77.5°	34.3
80°	20.2
82.5°	12.1
85°	7.1
87.5°	3.0
90°	0.0



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— 0°-180°







(END OF REPORT)