

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: P274405

Luminaire Tested: **LD6B20DE010W2N2765 EU6B1020W2N902765 6LBW0MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P274405
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: LD6B20DE010W2N2765 EU6B1020W2N902765 6LBW0MW
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, WIDE DISTRIBUTION WITH MATTE WHITE FINISH
Light Source: W2N 2700K-6500K CCT TUNING RANGE
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1562.1 lumens
Efficiency: N/A
Efficacy: 55.8 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

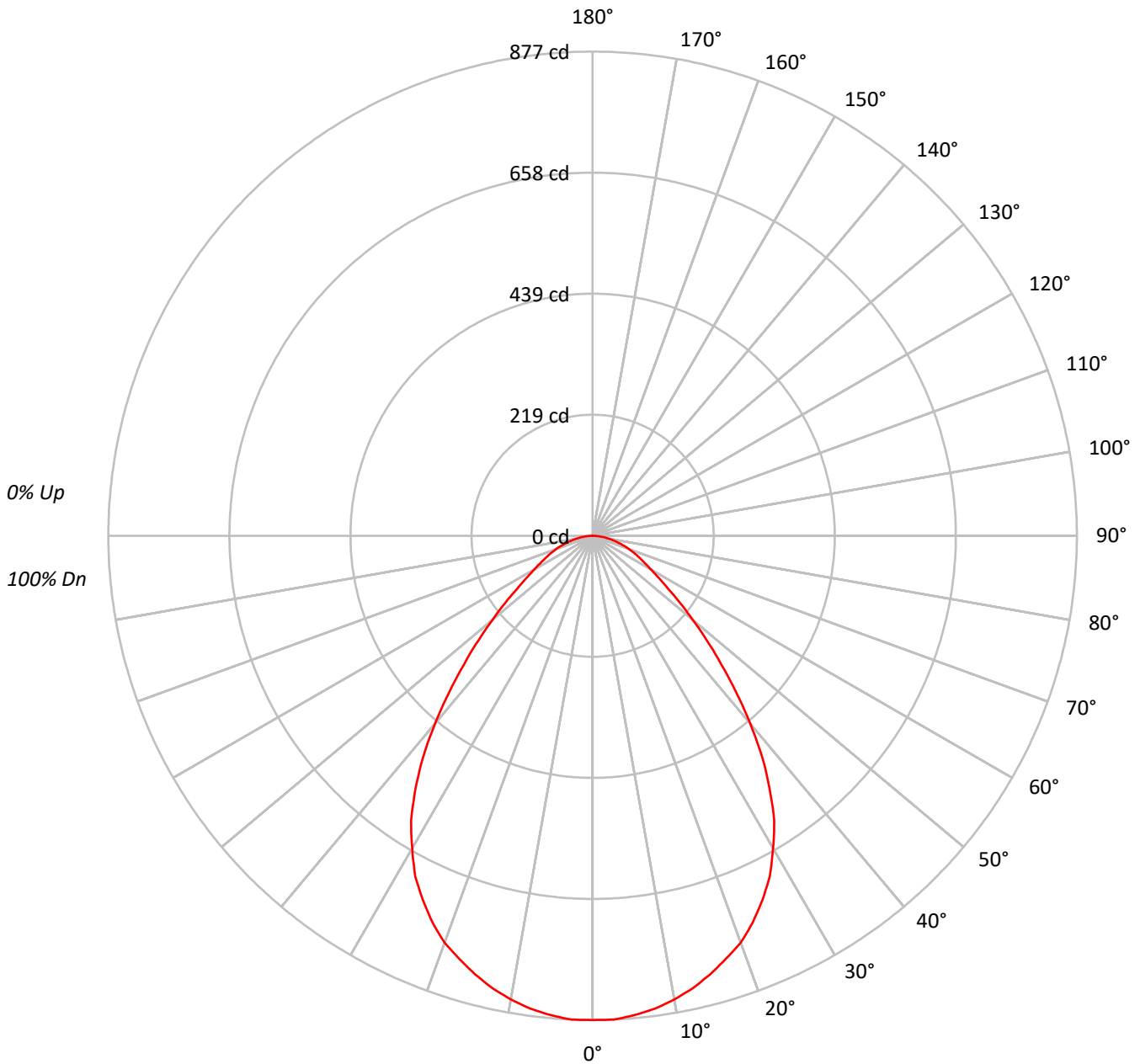
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	40	35	45	39	35	34			34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	57229
5°	57081
10°	56482
15°	55540
20°	54459
25°	52376
30°	49245
35°	44513
40°	37762
45°	30419
50°	24034
55°	18961
60°	15827
65°	14326
70°	13372
75°	11948
80°	10670
85°	8533



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.6	5.3
10°-20°	231.7	14.8
20°-30°	333.8	21.4
30°-40°	346.6	22.2
40°-50°	256.2	16.4
50°-60°	153.0	9.8
60°-70°	93.0	6.0
70°-80°	50.9	3.3
80°-90°	14.2	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°	648.1	41.5
0°-40°	994.7	63.7
0°-60°	1404.0	89.9
0°-90°	1562.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1562.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	877	
5°	872	83
15°	822	232
25°	728	334
35°	559	347
45°	330	256
55°	167	153
65°	93	93
75°	47	51
85°	11	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	877.2
2.5°	877.2
5°	871.6
7.5°	864.0
10°	852.6
12.5°	839.3
15°	822.3
17.5°	803.3
20°	784.4
22.5°	757.9
25°	727.6
27.5°	695.3
30°	653.7
32.5°	612.0
35°	558.9
37.5°	504.0
40°	443.4
42.5°	384.6
45°	329.7
47.5°	280.4
50°	236.8
52.5°	198.9
55°	166.7
57.5°	142.1
60°	121.3
62.5°	106.1
65°	92.8
67.5°	81.5
70°	70.1
72.5°	58.7
75°	47.4
77.5°	37.9
80°	28.4
82.5°	20.8
85°	11.4
87.5°	5.7
90°	0.0



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— 0°-180°







(END OF REPORT)