

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: **LD6B10DE010W2N2765 EU6B1020W2N902765 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: LD6B10DE010W2N2765 EU6B1020W2N902765 6LBCS0MW
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, CAST SHALLOW WITH MATTE WHITE FINISH
Light Source: W2N 2700K-6500K CCT TUNING RANGE
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1045.8 lumens
Efficiency: N/A
Efficacy: 74.7 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

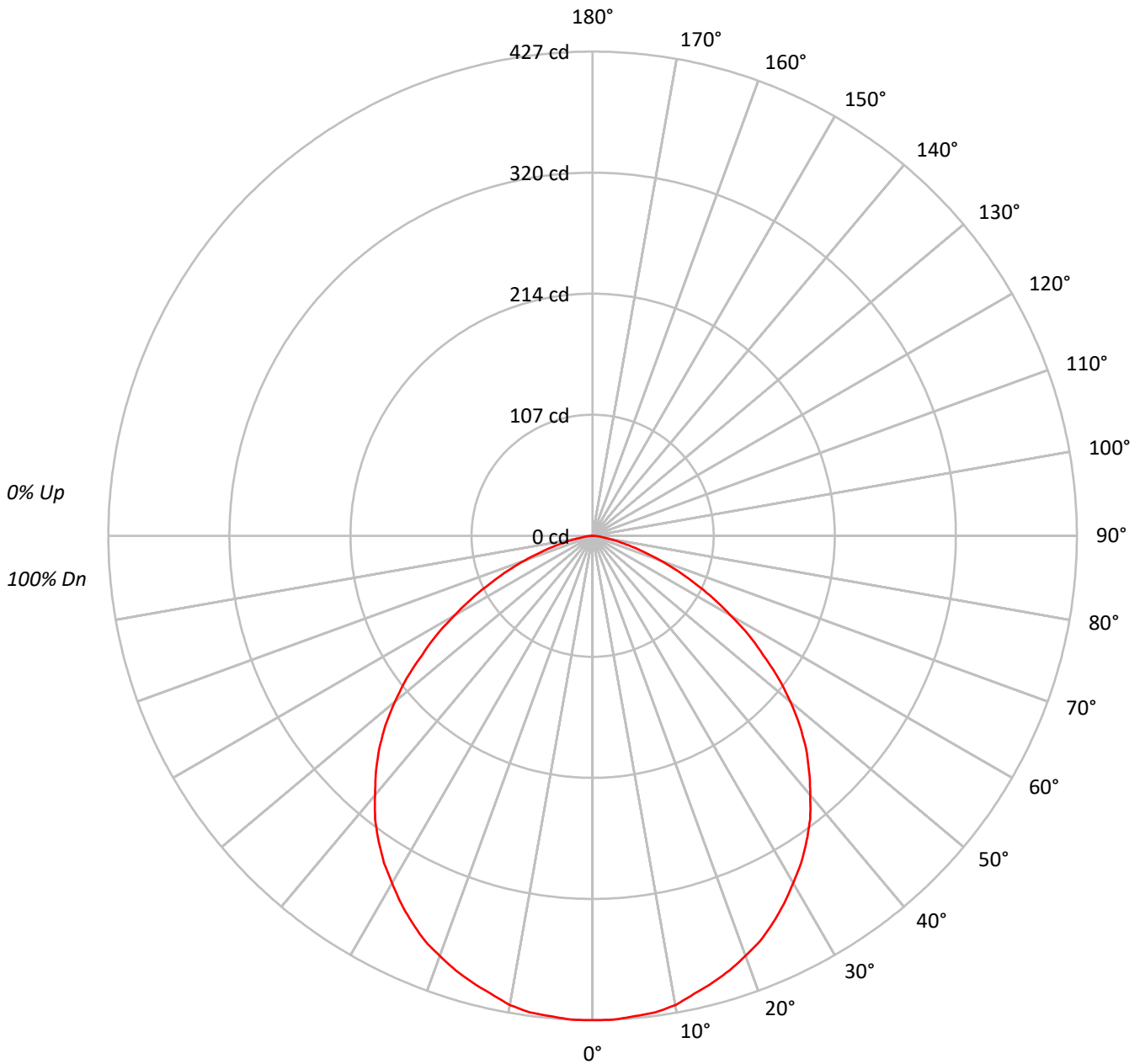
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87			
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74			
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63			
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55			
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48			
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42			
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37			
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33			
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30			
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	27871
5°	27853
10°	27837
15°	27564
20°	27368
25°	27102
30°	26638
35°	26195
40°	25422
45°	24561
50°	23090
55°	20906
60°	18359
65°	15453
70°	12094
75°	8470
80°	4771
85°	3294



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.5	3.9
10°-20°	115.2	11.0
20°-30°	173.3	16.6
30°-40°	205.4	19.6
40°-50°	204.4	19.5
50°-60°	164.8	15.8
60°-70°	99.7	9.5
70°-80°	37.0	3.5
80°-90°	5.5	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°	329.0	31.5
0°-40°	534.4	51.1
0°-60°	903.6	86.4
0°-90°	1045.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1045.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	427	
5°	425	40
15°	408	115
25°	376	173
35°	329	205
45°	266	204
55°	184	165
65°	100	100
75°	34	37
85°	4	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	427.2
2.5°	427.2
5°	425.3
7.5°	424.0
10°	420.2
12.5°	413.8
15°	408.1
17.5°	401.8
20°	394.2
22.5°	386.6
25°	376.5
27.5°	365.7
30°	353.6
32.5°	342.2
35°	328.9
37.5°	315.0
40°	298.5
42.5°	282.7
45°	266.2
47.5°	247.8
50°	227.5
52.5°	206.6
55°	183.8
57.5°	163.5
60°	140.7
62.5°	120.4
65°	100.1
67.5°	81.1
70°	63.4
72.5°	47.5
75°	33.6
77.5°	21.5
80°	12.7
82.5°	7.6
85°	4.4
87.5°	1.9
90°	0.0



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— 0°-180°







(END OF REPORT)