

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: P274379

Luminaire Tested: **LD6B10DE010W2N2765 EU6B1020W2N902765 6LBM0LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P274379
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35220)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B10DE010W2N2765 EU6B1020W2N902765 6LBM0LI
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, MEDIUM DISTRIBUTION WITH SPECULAR FINISH
Light Source: W2N 2700K-6500K CCT TUNING RANGE
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 921.6 lumens
Efficiency: N/A
Efficacy: 65.8 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.84
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

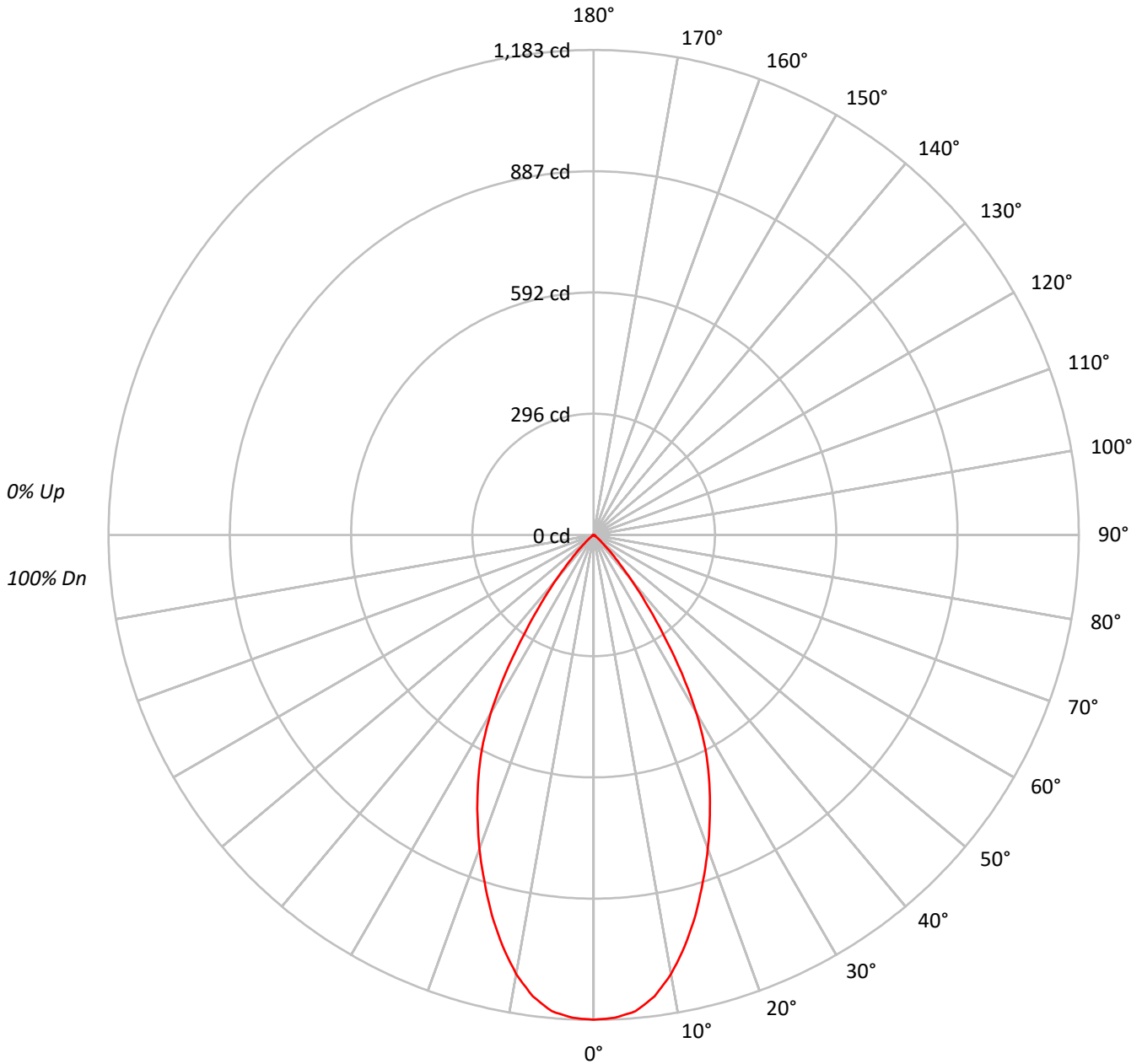
Input Watts (W): 14
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94		
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88		
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82		
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	84	80	78	76		
5	93	85	79	75	92	84	79	75	82	78	74	81	77	74	79	76	73	71		
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67		
7	84	75	69	65	83	75	69	65	73	68	65	72	68	65	71	67	64	63		
8	80	71	65	61	79	71	65	61	69	64	61	68	64	61	68	63	60	59		
9	77	67	62	58	76	67	61	58	66	61	57	65	60	57	64	60	57	56		
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	53		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	77154
5°	76400
10°	72050
15°	64820
20°	56521
25°	48057
30°	37787
35°	23407
40°	11872
45°	4752
50°	1624
55°	603
60°	470
65°	278
70°	172
75°	227
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.8	11.8
10°-20°	267.0	29.0
20°-30°	303.3	32.9
30°-40°	187.5	20.3
40°-50°	46.3	5.0
50°-60°	6.1	0.7
60°-70°	2.1	0.2
70°-80°	0.6	0.1
80°-90°	0.0	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°	679.1	73.7
0°-40°	866.6	94.0
0°-60°	918.9	99.7
0°-90°	921.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	921.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1183	
5°	1167	109
15°	960	267
25°	668	303
35°	294	187
45°	52	46
55°	5	6
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1182.6
2.5°	1179.0
5°	1166.6
7.5°	1135.5
10°	1087.6
12.5°	1027.2
15°	959.7
17.5°	886.0
20°	814.1
22.5°	740.4
25°	667.6
27.5°	591.3
30°	501.6
32.5°	399.5
35°	293.9
37.5°	208.6
40°	139.4
42.5°	87.0
45°	51.5
47.5°	29.3
50°	16.0
52.5°	8.0
55°	5.3
57.5°	4.4
60°	3.6
62.5°	2.7
65°	1.8
67.5°	1.8
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)