

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: P274415

Luminaire Tested: **LD6B10DE010W2N2765 EU6B1020W2N902765 6LBS0H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P274415
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35136)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B10DE010W2N2765 EU6B1020W2N902765 6LBS0H
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, SHALLOW WITH HAZE FINISH
Light Source: W2N 2700K-6500K CCT TUNING RANGE
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 994.1 lumens
Efficiency: N/A
Efficacy: 71.0 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

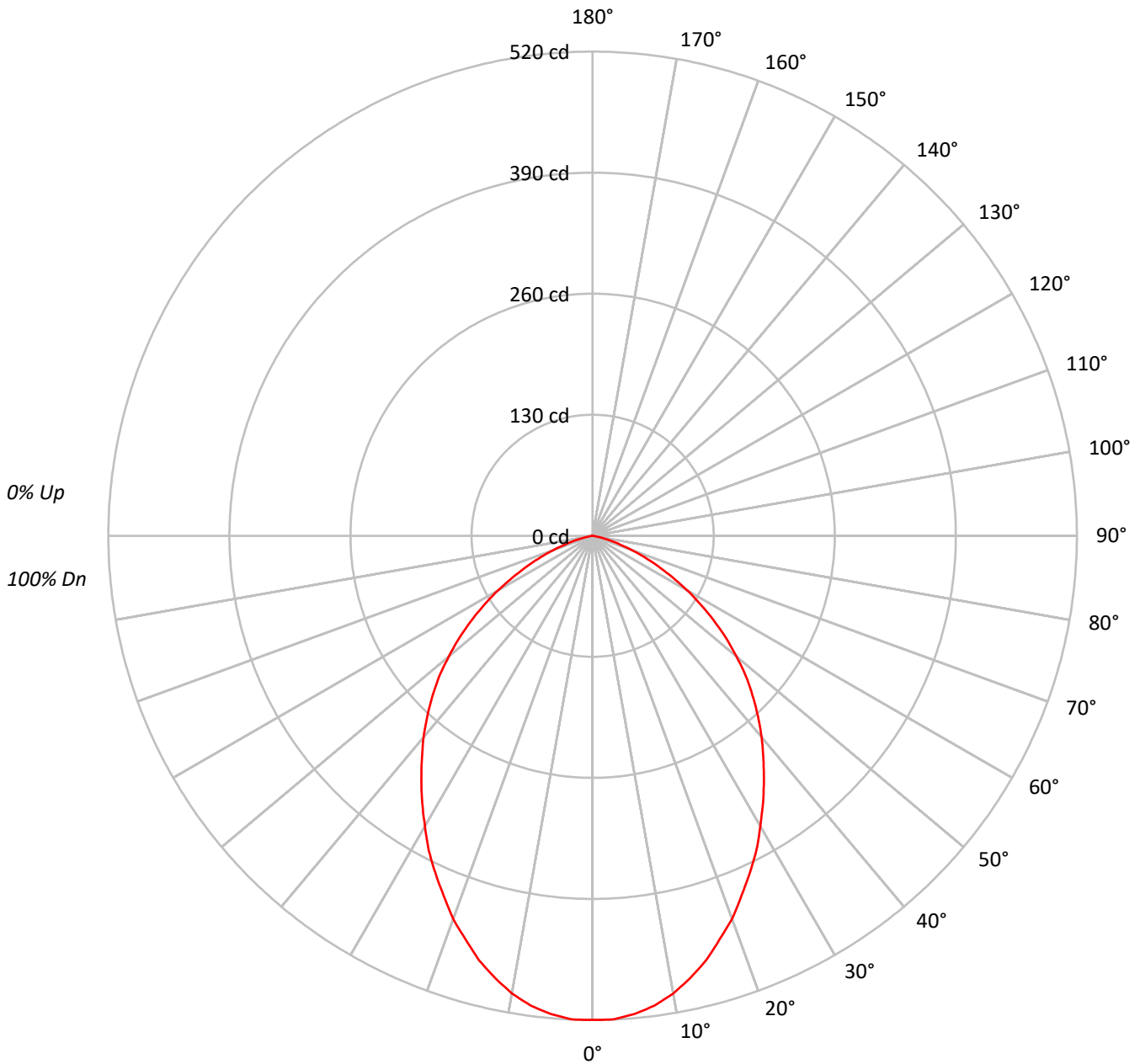
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77		
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67		
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58		
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51		
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46		
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41		
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37		
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34		
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	33919
5°	33760
10°	33064
15°	31860
20°	30395
25°	28758
30°	27128
35°	25542
40°	24051
45°	22420
50°	20441
55°	18051
60°	15279
65°	11995
70°	8565
75°	4689
80°	827
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.7	4.9
10°-20°	132.4	13.3
20°-30°	183.8	18.5
30°-40°	200.6	20.2
40°-50°	187.1	18.8
50°-60°	142.0	14.3
60°-70°	77.8	7.8
70°-80°	21.4	2.2
80°-90°	0.3	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°	364.9	36.7
0°-40°	565.5	56.9
0°-60°	894.6	90.0
0°-90°	994.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	994.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	520	
5°	516	49
15°	472	132
25°	400	184
35°	321	201
45°	243	187
55°	159	142
65°	78	78
75°	19	21
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	519.9
2.5°	519.9
5°	515.5
7.5°	508.9
10°	499.1
12.5°	486.0
15°	471.7
17.5°	454.2
20°	437.8
22.5°	418.1
25°	399.5
27.5°	380.9
30°	360.1
32.5°	340.4
35°	320.7
37.5°	301.0
40°	282.4
42.5°	262.7
45°	243.0
47.5°	223.3
50°	201.4
52.5°	180.6
55°	158.7
57.5°	137.9
60°	117.1
62.5°	96.3
65°	77.7
67.5°	60.2
70°	44.9
72.5°	30.6
75°	18.6
77.5°	8.8
80°	2.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)