

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: P274385

Luminaire Tested: **LD6B10DE010W2N2765 EU6B1020W2N902765 6LBM0H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P274385
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35125)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B10DE010W2N2765 EU6B1020W2N902765 6LBM0H
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, MEDIUM DISTRIBUTION WITH HAZE FINISH
Light Source: W2N 2700K-6500K CCT TUNING RANGE
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 745.6 lumens
Efficiency: N/A
Efficacy: 53.3 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

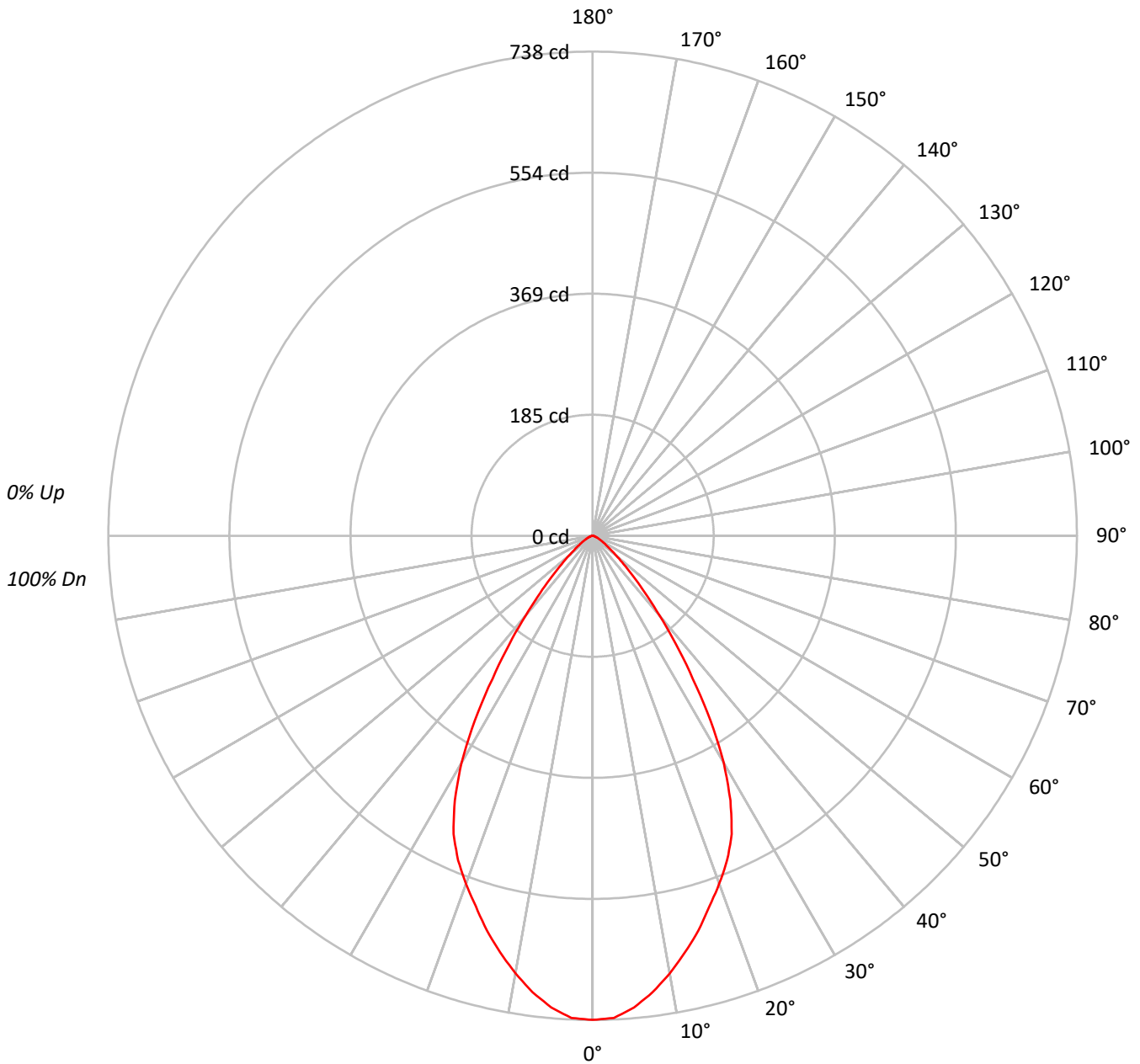
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	100	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92	92	92	92
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85	85	85
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78	78	78	78
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72	72	72	72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66	66	66	66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61	61	61	61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57	57	57	57
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53	53	53	53
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49	49	49	49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46	46	46	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	48135
5°	47271
10°	44856
15°	42065
20°	39178
25°	36101
30°	30073
35°	21201
40°	13507
45°	8055
50°	4750
55°	3026
60°	2088
65°	1482
70°	1011
75°	807
80°	413
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.5	9.0
10°-20°	174.5	23.4
20°-30°	226.1	30.3
30°-40°	167.9	22.5
40°-50°	70.9	9.5
50°-60°	25.2	3.4
60°-70°	9.7	1.3
70°-80°	3.4	0.5
80°-90°	0.4	0.1
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°	468.1	62.8
0°-40°	636.0	85.3
0°-60°	732.0	98.2
0°-90°	745.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	745.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	738	
5°	722	67
15°	623	175
25°	502	226
35°	266	168
45°	87	71
55°	27	25
65°	10	10
75°	3	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	737.8
2.5°	735.7
5°	721.8
7.5°	701.6
10°	677.1
12.5°	650.5
15°	622.8
17.5°	592.0
20°	564.3
22.5°	535.5
25°	501.5
27.5°	454.6
30°	399.2
32.5°	334.3
35°	266.2
37.5°	208.7
40°	158.6
42.5°	118.2
45°	87.3
47.5°	63.9
50°	46.8
52.5°	35.1
55°	26.6
57.5°	20.2
60°	16.0
62.5°	11.7
65°	9.6
67.5°	7.5
70°	5.3
72.5°	4.3
75°	3.2
77.5°	2.1
80°	1.1
82.5°	1.1
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)