

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: P274397

Luminaire Tested: **LD6B10DE010W2N2765 EU6B1020W2N902765 6LBW0H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P274397
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35120)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B10DE010W2N2765 EU6B1020W2N902765 6LBW0H
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, WIDE DISTRIBUTION WITH HAZE FINISH
Light Source: W2N 2700K-6500K CCT TUNING RANGE
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 911.3 lumens
Efficiency: N/A
Efficacy: 65.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
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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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	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91			
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81			
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73			
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65			
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59			
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53			
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49			
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41			
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	36665
5°	36655
10°	36370
15°	36128
20°	35575
25°	34762
30°	32732
35°	29620
40°	24741
45°	18960
50°	13418
55°	8463
60°	4776
65°	3103
70°	2022
75°	1487
80°	902
85°	898



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.1	5.8
10°-20°	150.6	16.5
20°-30°	220.9	24.2
30°-40°	229.9	25.2
40°-50°	159.0	17.5
50°-60°	69.2	7.6
60°-70°	21.2	2.3
70°-80°	6.4	0.7
80°-90°	1.0	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°	424.6	46.6
0°-40°	654.4	71.8
0°-60°	882.7	96.9
0°-90°	911.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	911.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	562	
5°	560	53
15°	535	151
25°	483	221
35°	372	230
45°	206	159
55°	74	69
65°	20	21
75°	6	6
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	562.0
2.5°	563.2
5°	559.7
7.5°	555.0
10°	549.0
12.5°	543.1
15°	534.9
17.5°	524.3
20°	512.4
22.5°	499.5
25°	482.9
27.5°	461.7
30°	434.5
32.5°	406.2
35°	371.9
37.5°	334.2
40°	290.5
42.5°	246.8
45°	205.5
47.5°	166.5
50°	132.2
52.5°	100.4
55°	74.4
57.5°	53.1
60°	36.6
62.5°	27.2
65°	20.1
67.5°	15.3
70°	10.6
72.5°	8.3
75°	5.9
77.5°	3.5
80°	2.4
82.5°	1.2
85°	1.2
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)