

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: P274380

Luminaire Tested: **LD6B15DE010W2N2765 EU6B1020W2N902765 6LBM0LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P274380
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: LD6B15DE010W2N2765 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: 1359.4 lumens
Efficiency: N/A
Efficacy: 61.8 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

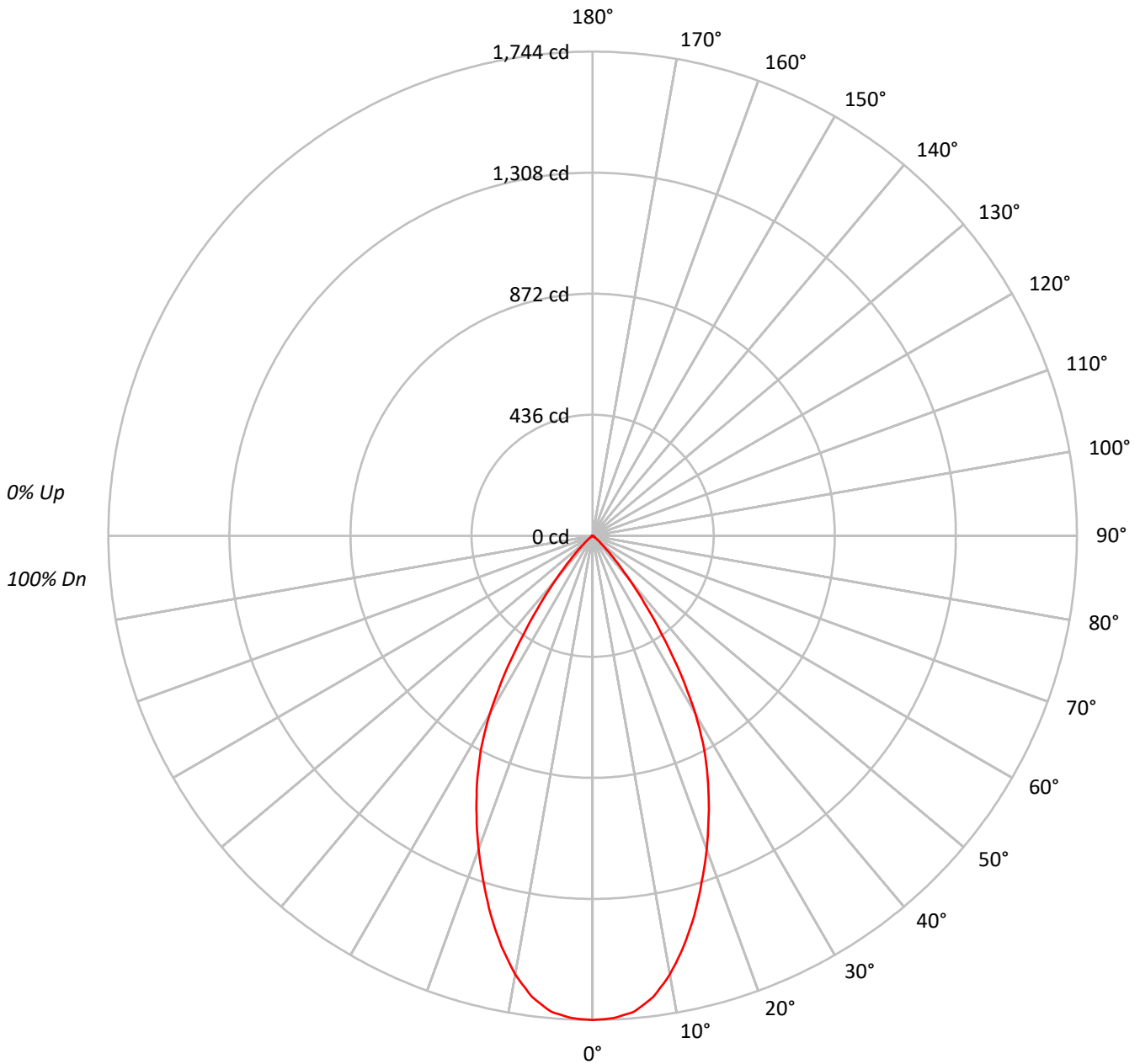
Input Watts (W): 22
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94			
2	108	104	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	70	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°	113806
5°	112695
10°	106280
15°	95619
20°	83376
25°	70891
30°	55739
35°	34526
40°	17510
45°	7012
50°	2395
55°	899
60°	679
65°	401
70°	248
75°	328
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.5	11.8
10°-20°	393.8	29.0
20°-30°	447.4	32.9
30°-40°	276.5	20.3
40°-50°	68.2	5.0
50°-60°	9.0	0.7
60°-70°	3.0	0.2
70°-80°	0.9	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°	1001.7	73.7
0°-40°	1278.3	94.0
0°-60°	1355.5	99.7
0°-90°	1359.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1359.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1744	
5°	1721	160
15°	1416	394
25°	985	447
35°	434	277
45°	76	68
55°	8	9
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1744.4
2.5°	1739.2
5°	1720.8
7.5°	1675.0
10°	1604.3
12.5°	1515.2
15°	1415.7
17.5°	1307.0
20°	1200.9
22.5°	1092.2
25°	984.8
27.5°	872.2
30°	739.9
32.5°	589.3
35°	433.5
37.5°	307.8
40°	205.6
42.5°	128.3
45°	76.0
47.5°	43.2
50°	23.6
52.5°	11.8
55°	7.9
57.5°	6.5
60°	5.2
62.5°	3.9
65°	2.6
67.5°	2.6
70°	1.3
72.5°	1.3
75°	1.3
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)