

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: P274423

Luminaire Tested: **LD6B15DE010W2N2765 EU6B1020W2N902765 6LBCS0MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P274423
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35143)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B15DE010W2N2765 EU6B1020W2N902765 6LBCS0MB
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, CAST SHALLOW WITH MATTE BLACK FINISH
Light Source: W2N 2700K-6500K CCT TUNING RANGE
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1298.3 lumens
Efficiency: N/A
Efficacy: 59.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

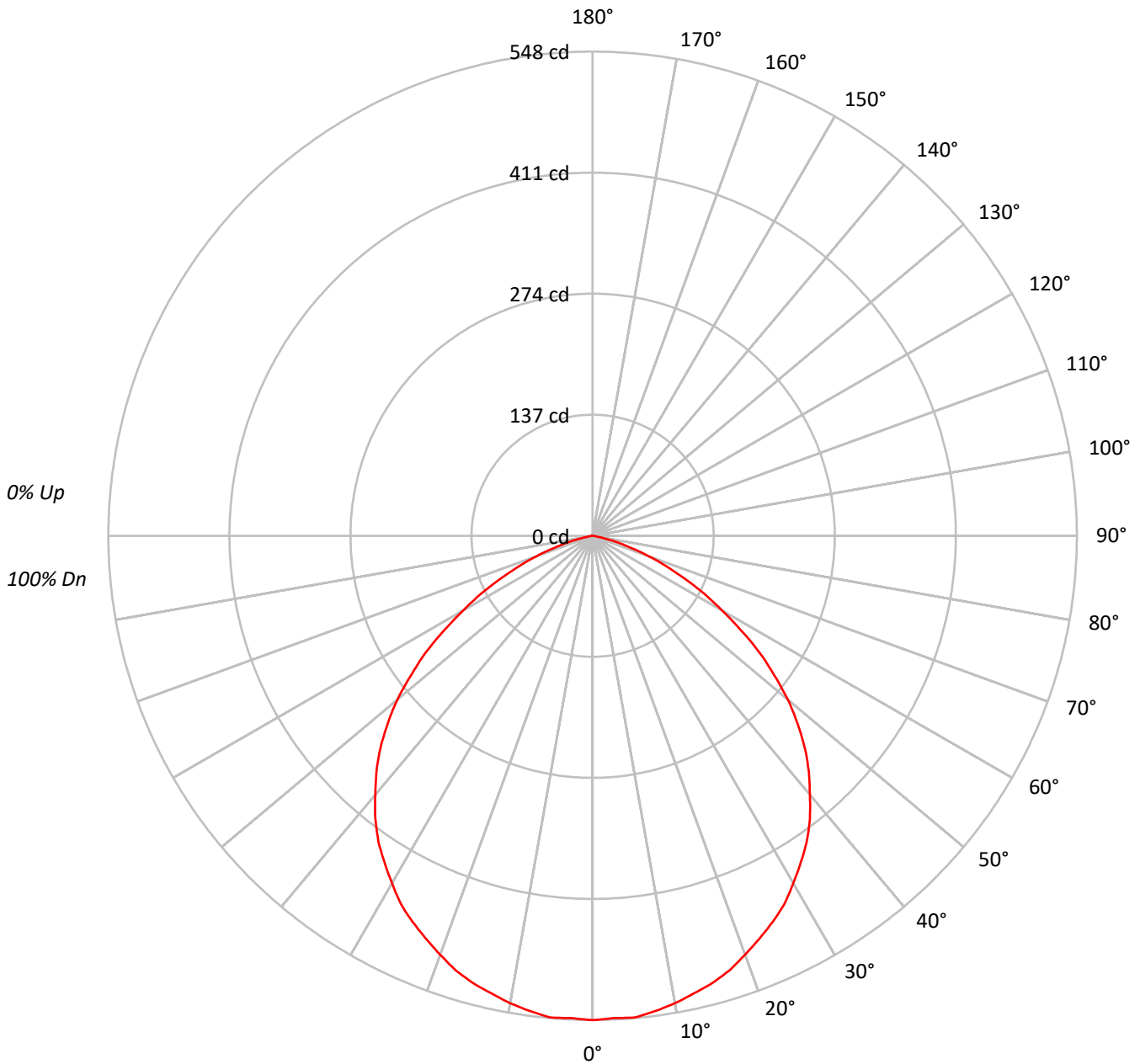
Input Watts (W): 22
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88	88	88	88
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75	75	75	75
3	93	84	77	71	91	83	76	70	80	74	69	77	72	68	74	70	67	65	65	65	65
4	86	75	67	61	84	74	66	61	71	65	60	69	63	59	67	62	58	56	56	56	56
5	79	67	59	53	77	66	59	53	64	57	52	62	56	52	61	55	51	49	49	49	49
6	74	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43	43	43	43
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	39	39	39	39
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	46	41	36	35	35	35	35
9	60	47	39	33	58	46	39	33	45	38	33	44	38	33	43	37	33	31	31	31	31
10	56	43	35	30	55	43	35	30	42	35	30	41	34	30	40	34	30	28	28	28	28

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	35765
5°	35843
10°	35581
15°	35392
20°	35026
25°	34704
30°	34216
35°	33658
40°	32576
45°	31342
50°	29282
55°	26252
60°	22104
65°	17676
70°	12780
75°	7033
80°	1390
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.9	4.0
10°-20°	147.7	11.4
20°-30°	222.1	17.1
30°-40°	263.5	20.3
40°-50°	260.7	20.1
50°-60°	204.8	15.8
60°-70°	114.8	8.8
70°-80°	32.2	2.5
80°-90°	0.5	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°	421.6	32.5
0°-40°	685.1	52.8
0°-60°	1150.7	88.6
0°-90°	1298.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1298.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	548	
5°	547	52
15°	524	148
25°	482	222
35°	423	264
45°	340	261
55°	231	205
65°	114	115
75°	28	32
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	548.2
2.5°	546.4
5°	547.3
7.5°	542.6
10°	537.1
12.5°	530.5
15°	524.0
17.5°	515.6
20°	504.5
22.5°	493.3
25°	482.1
27.5°	470.0
30°	454.2
32.5°	438.4
35°	422.6
37.5°	404.0
40°	382.5
42.5°	362.1
45°	339.7
47.5°	314.6
50°	288.5
52.5°	258.8
55°	230.8
57.5°	199.2
60°	169.4
62.5°	142.4
65°	114.5
67.5°	90.3
70°	67.0
72.5°	45.6
75°	27.9
77.5°	14.0
80°	3.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)