

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: P274424

Luminaire Tested: **LD6B20DE010W2N2765 EU6B1020W2N902765 6LBCS0MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P274424  
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: LD6B20DE010W2N2765 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: 1580.7 lumens  
Efficiency: N/A  
Efficacy: 56.5 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

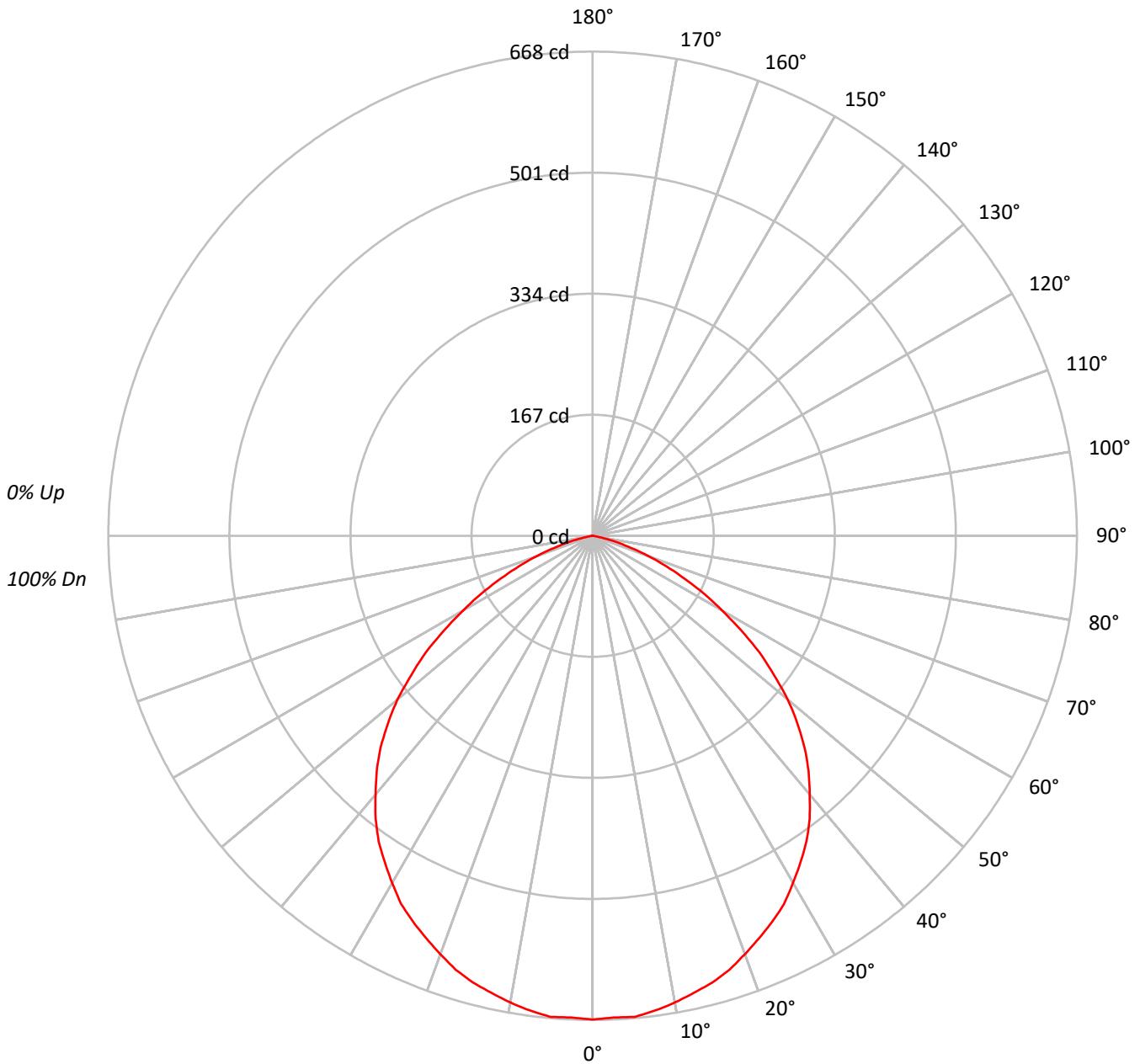
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P274424

CATALOG NUMBER: LD6B20DE010W2N2765 EU6B1020W2N902765 6LBCS0MB

### Luminous Intensity Polar Plot





TEST NUMBER: P274424

CATALOG NUMBER: LD6B20DE010W2N2765 EU6B1020W2N902765 6LBCS0MB

**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
1	111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88			88
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75			75
3	93	84	77	71	91	83	76	70	80	74	69	77	72	68	74	70	67	65			65
4	86	75	67	61	84	74	66	61	71	65	60	69	63	59	67	62	58	56			56
5	79	67	59	53	77	66	59	53	64	57	52	62	56	52	61	55	51	49			49
6	74	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43			43
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	39			39
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	46	41	36	35			35
9	60	47	39	33	58	46	39	33	45	38	33	44	38	33	43	37	33	31			31
10	56	43	35	30	55	43	35	30	42	35	30	41	34	30	40	34	30	28			28

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	43548
5°	43636
10°	43319
15°	43092
20°	42642
25°	42255
30°	41659
35°	40977
40°	39670
45°	38160
50°	35656
55°	31962
60°	26905
65°	21520
70°	15565
75°	8570
80°	1691
85°	0



TEST NUMBER: P274424

CATALOG NUMBER: LD6B20DE010W2N2765 EU6B1020W2N902765 6LBCS0MB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.1	4.0
10°-20°	179.9	11.4
20°-30°	270.4	17.1
30°-40°	320.8	20.3
40°-50°	317.5	20.1
50°-60°	249.3	15.8
60°-70°	139.8	8.8
70°-80°	39.3	2.5
80°-90°	0.6	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°	513.4	32.5
0°-40°	834.2	52.8
0°-60°	1401.0	88.6
0°-90°	1580.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1580.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	668	
5°	666	63
15°	638	180
25°	587	270
35°	514	321
45°	414	317
55°	281	249
65°	139	140
75°	34	39
85°	0	1
90°	0	



TEST NUMBER: P274424

CATALOG NUMBER: LD6B20DE010W2N2765 EU6B1020W2N902765 6LBCS0MB

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	667.5
2.5°	665.2
5°	666.3
7.5°	660.7
10°	653.9
12.5°	645.9
15°	638.0
17.5°	627.8
20°	614.2
22.5°	600.6
25°	587.0
27.5°	572.3
30°	553.0
32.5°	533.8
35°	514.5
37.5°	491.8
40°	465.8
42.5°	440.8
45°	413.6
47.5°	383.0
50°	351.3
52.5°	315.0
55°	281.0
57.5°	242.5
60°	206.2
62.5°	173.4
65°	139.4
67.5°	109.9
70°	81.6
72.5°	55.5
75°	34.0
77.5°	17.0
80°	4.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)