

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: P274399

Luminaire Tested: **LD6B20DE010W2N2765 EU6B1020W2N902765 6LBW0H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P274399  
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: LD6B20DE010W2N2765 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: 1636.5 lumens  
Efficiency: N/A  
Efficacy: 58.4 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

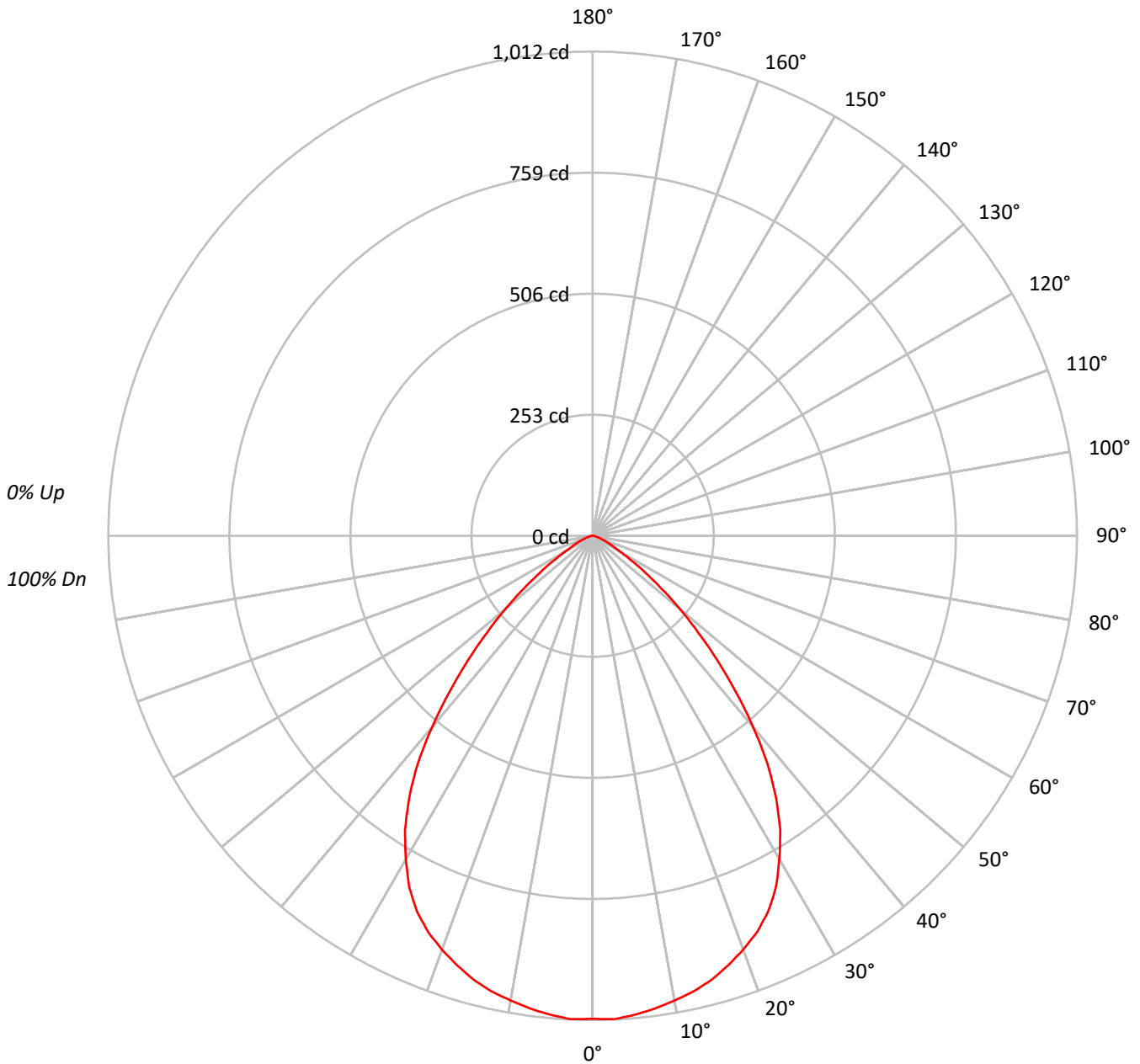
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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
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°	65854
5°	65830
10°	65326
15°	64881
20°	63894
25°	62433
30°	58790
35°	53202
40°	44431
45°	34045
50°	24105
55°	15196
60°	8573
65°	5557
70°	3643
75°	2672
80°	1578
85°	1572



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.3	5.8
10°-20°	270.5	16.5
20°-30°	396.6	24.2
30°-40°	412.8	25.2
40°-50°	285.6	17.5
50°-60°	124.3	7.6
60°-70°	38.1	2.3
70°-80°	11.4	0.7
80°-90°	1.7	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°	762.5	46.6
0°-40°	1175.3	71.8
0°-60°	1585.2	96.9
0°-90°	1636.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1636.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1009	
5°	1005	95
15°	961	271
25°	867	397
35°	668	413
45°	369	286
55°	134	124
65°	36	38
75°	11	11
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1009.4
2.5°	1011.5
5°	1005.2
7.5°	996.7
10°	986.1
12.5°	975.5
15°	960.6
17.5°	941.5
20°	920.3
22.5°	897.0
25°	867.3
27.5°	829.1
30°	780.4
32.5°	729.5
35°	668.0
37.5°	600.1
40°	521.7
42.5°	443.2
45°	369.0
47.5°	299.0
50°	237.5
52.5°	180.2
55°	133.6
57.5°	95.4
60°	65.7
62.5°	48.8
65°	36.0
67.5°	27.6
70°	19.1
72.5°	14.8
75°	10.6
77.5°	6.4
80°	4.2
82.5°	2.1
85°	2.1
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)