

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: P274392

Luminaire Tested: **LD6B15DE010W2N2765 EU6B1020W2N902765 6LBW0LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P274392  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35285)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B15DE010W2N2765 EU6B1020W2N902765 6LBW0LI  
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, WIDE DISTRIBUTION WITH SPECULAR FINISH  
Light Source: W2N 2700K-6500K CCT TUNING RANGE  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1527.4 lumens  
Efficiency: N/A  
Efficacy: 69.4 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

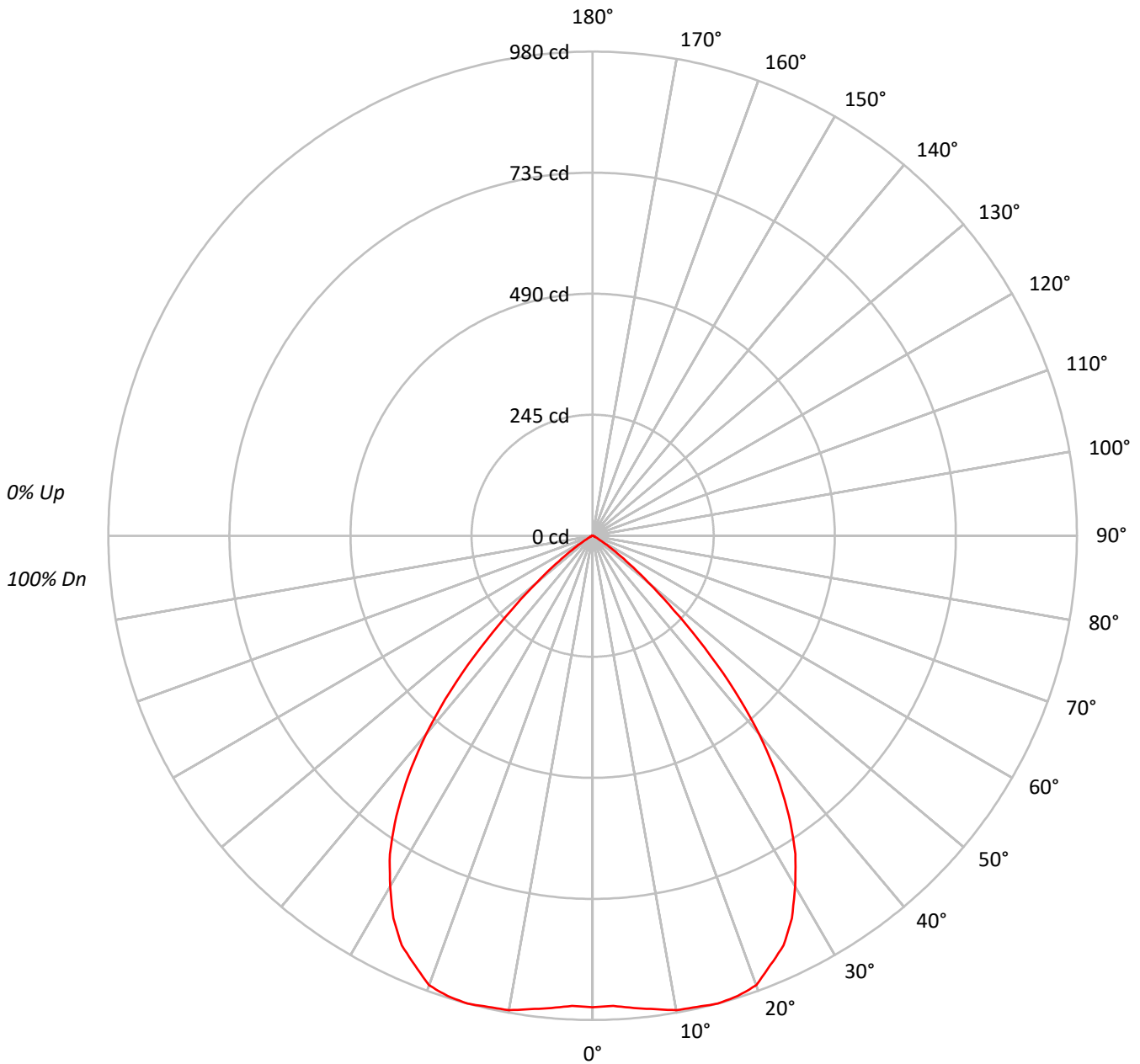
Input Watts (W): 22  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83
3	100	92	87	82	97	91	86	81	88	84	80	86	82	79	83	80	77	76
4	93	85	78	74	92	84	78	73	81	76	72	79	75	71	77	74	70	69
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63
6	82	72	65	60	81	71	65	60	70	64	59	68	63	59	67	62	59	57
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48
9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	46	44
10	65	54	47	43	64	53	47	43	52	46	42	51	46	42	51	46	42	41

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

	0°
0°	62253
5°	62831
10°	64591
15°	66205
20°	67213
25°	65823
30°	61706
35°	55169
40°	44686
45°	29561
50°	14940
55°	6301
60°	2036
65°	803
70°	668
75°	429
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.1	6.0
10°-20°	276.7	18.1
20°-30°	417.1	27.3
30°-40°	426.9	27.9
40°-50°	248.7	16.3
50°-60°	57.1	3.7
60°-70°	7.0	0.5
70°-80°	1.8	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°	785.8	51.4
0°-40°	1212.7	79.4
0°-60°	1518.5	99.4
0°-90°	1527.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1527.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	954	
5°	959	92
15°	980	277
25°	914	417
35°	693	427
45°	320	249
55°	55	57
65°	5	7
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	954.2
2.5°	952.5
5°	959.4
7.5°	966.3
10°	975.0
12.5°	976.7
15°	980.2
17.5°	976.7
20°	968.1
22.5°	940.4
25°	914.4
27.5°	872.8
30°	819.1
32.5°	763.7
35°	692.7
37.5°	613.0
40°	524.7
42.5°	426.0
45°	320.4
47.5°	223.4
50°	147.2
52.5°	93.5
55°	55.4
57.5°	29.4
60°	15.6
62.5°	8.7
65°	5.2
67.5°	5.2
70°	3.5
72.5°	1.7
75°	1.7
77.5°	1.7
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)