

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: PP201214

Luminaire Tested: **LD6B40D010 EU6B30508035 6LBW1LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: PP201214  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35119)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B40D010 EU6B30508035 6LBW1LI  
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT  
WIDE DISTRIBUTION WITH SPECULAR CLEAR TRIM  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4326.1 lumens  
Efficiency: N/A  
Efficacy: 103.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.17  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
CIE Type: Direct

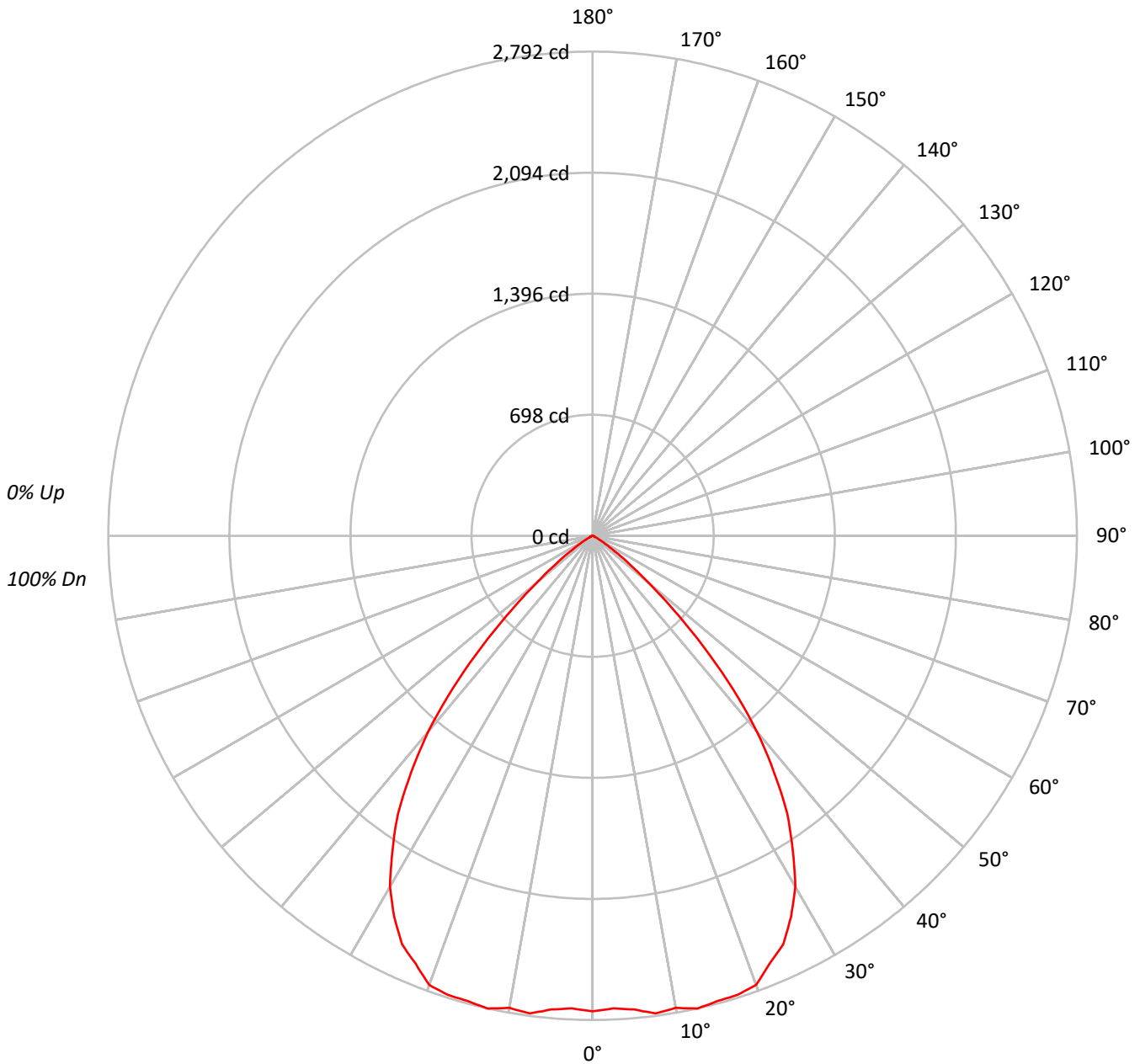
Input Watts (W): 41.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				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	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92				92
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	84				84
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	77	76				76
4	93	85	78	74	92	84	78	73	81	76	72	79	75	71	77	74	70	69				69
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63				63
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	57				57
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52				52
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48				48
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44				44
10	65	54	47	43	64	53	47	43	52	46	42	51	46	42	51	46	42	41				41

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

	0°
0°	29691
5°	29805
10°	30395
15°	31145
20°	31758
25°	31059
30°	29223
35°	25874
40°	20840
45°	13769
50°	7008
55°	3006
60°	968
65°	430
70°	266
75°	234
80°	175
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	263.3	6.1
10°-20°	786.8	18.2
20°-30°	1185.5	27.4
30°-40°	1203.0	27.8
40°-50°	699.1	16.2
50°-60°	163.2	3.8
60°-70°	18.9	0.4
70°-80°	5.9	0.1
80°-90°	0.4	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°	2235.6	51.7
0°-40°	3438.6	79.5
0°-60°	4300.9	99.4
0°-90°	4326.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4326.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2742	
5°	2742	263
15°	2778	787
25°	2600	1185
35°	1957	1203
45°	899	699
55°	159	163
65°	17	19
75°	6	6
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2741.9
2.5°	2728.0
5°	2741.9
7.5°	2778.2
10°	2764.3
12.5°	2792.2
15°	2778.2
17.5°	2775.4
20°	2755.9
22.5°	2669.3
25°	2599.5
27.5°	2476.7
30°	2337.1
32.5°	2147.2
35°	1957.3
37.5°	1717.2
40°	1474.3
42.5°	1195.1
45°	899.1
47.5°	631.0
50°	416.0
52.5°	265.3
55°	159.2
57.5°	86.6
60°	44.7
62.5°	22.3
65°	16.8
67.5°	11.2
70°	8.4
72.5°	8.4
75°	5.6
77.5°	2.8
80°	2.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)