

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: P205227

Luminaire Tested: **LD6B40D010 EU6B30509730 6LBWLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P205227  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B40D010 EU6B30509730 6LBWL1  
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT  
WIDE DISTRIBUTION WITH SPECULAR CLEAR TRIM  
WATTAGE D010TR-43.02 W DE010-42.54 W D5LT-42.539 W DMX-41.87 W DL2-41.57  
W DL3-44.71 W DLE-39.33 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3151.4 lumens  
Efficiency: N/A  
Efficacy: 75.4 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

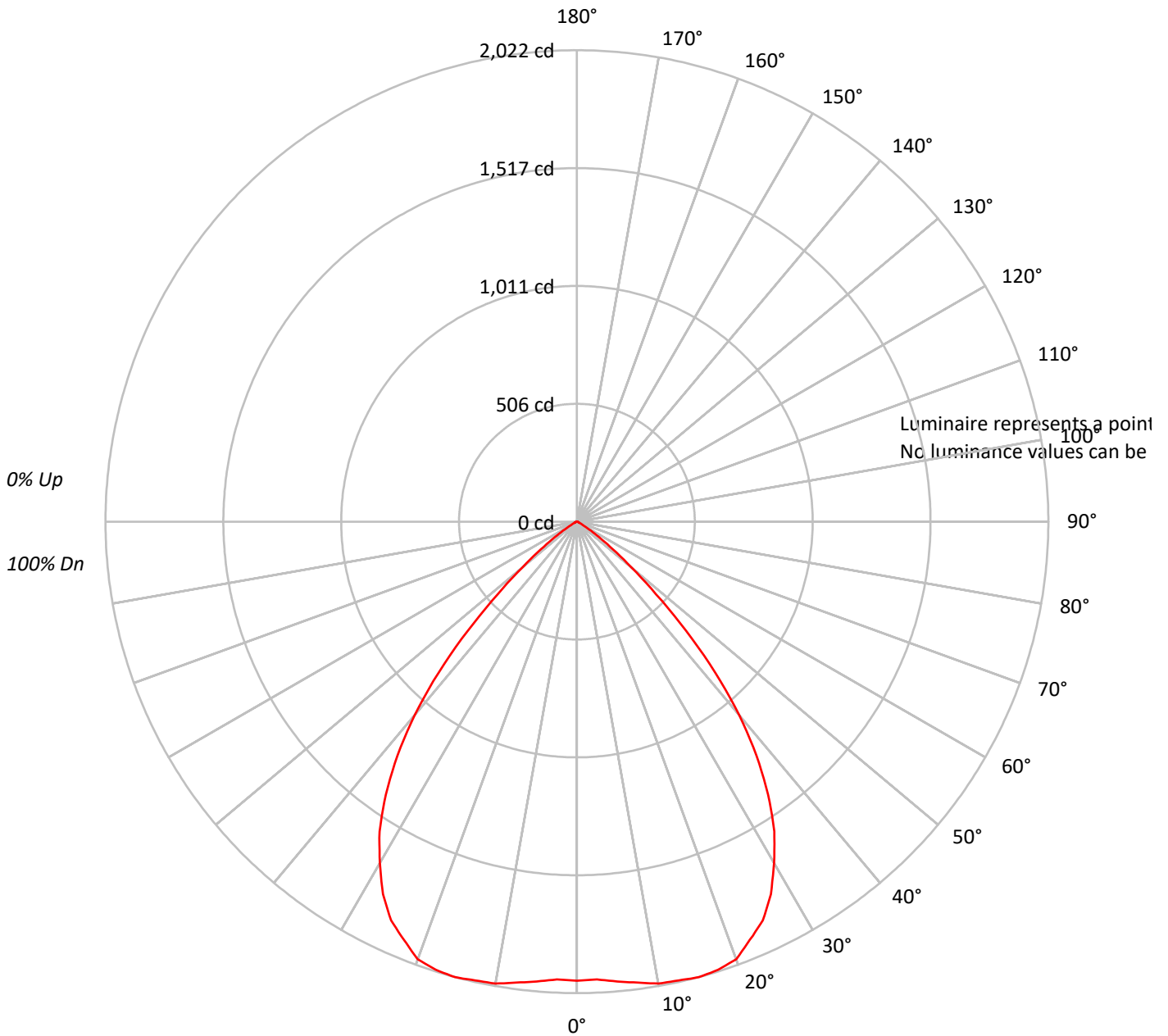
Input Watts (W): 41.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									
RC	80									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	83			83																
3	100	92	87	82	97	91	86	81	88	84	80	86	82	79	83	80	77	76			76																
4	93	85	78	73	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	59	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	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	46	44			44																
10	65	54	47	43	64	53	47	42	52	46	42	51	46	42	51	46	42	41			41																

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	189.9	6.0
10°-20°	570.9	18.1
20°-30°	860.5	27.3
30°-40°	880.8	27.9
40°-50°	513.1	16.3
50°-60°	117.9	3.7
60°-70°	14.5	0.5
70°-80°	3.8	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°	1621.3	51.4
0°-40°	2502.1	79.4
0°-60°	3133.1	99.4
0°-90°	3151.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3151.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1969	
5°	1980	190
15°	2022	571
25°	1887	861
35°	1429	881
45°	661	513
55°	114	118
65°	11	14
75°	4	4
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1968.7
2.5°	1965.2
5°	1979.5
7.5°	1993.7
10°	2011.6
12.5°	2015.2
15°	2022.3
17.5°	2015.2
20°	1997.3
22.5°	1940.2
25°	1886.6
27.5°	1800.8
30°	1690.0
32.5°	1575.7
35°	1429.2
37.5°	1264.9
40°	1082.6
42.5°	879.0
45°	661.0
47.5°	460.9
50°	303.7
52.5°	192.9
55°	114.3
57.5°	60.7
60°	32.2
62.5°	17.9
65°	10.7
67.5°	10.7
70°	7.1
72.5°	3.6
75°	3.6
77.5°	3.6
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)