

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: P202548

Luminaire Tested: **LD6B40D010 EU6B30509035 6LBSWMH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P202548  
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 EU6B30509035 6LBSWMH1  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH WARM HAZE 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: 3803.2 lumens  
Efficiency: N/A  
Efficacy: 91.0 lumens/watt  
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1.1  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

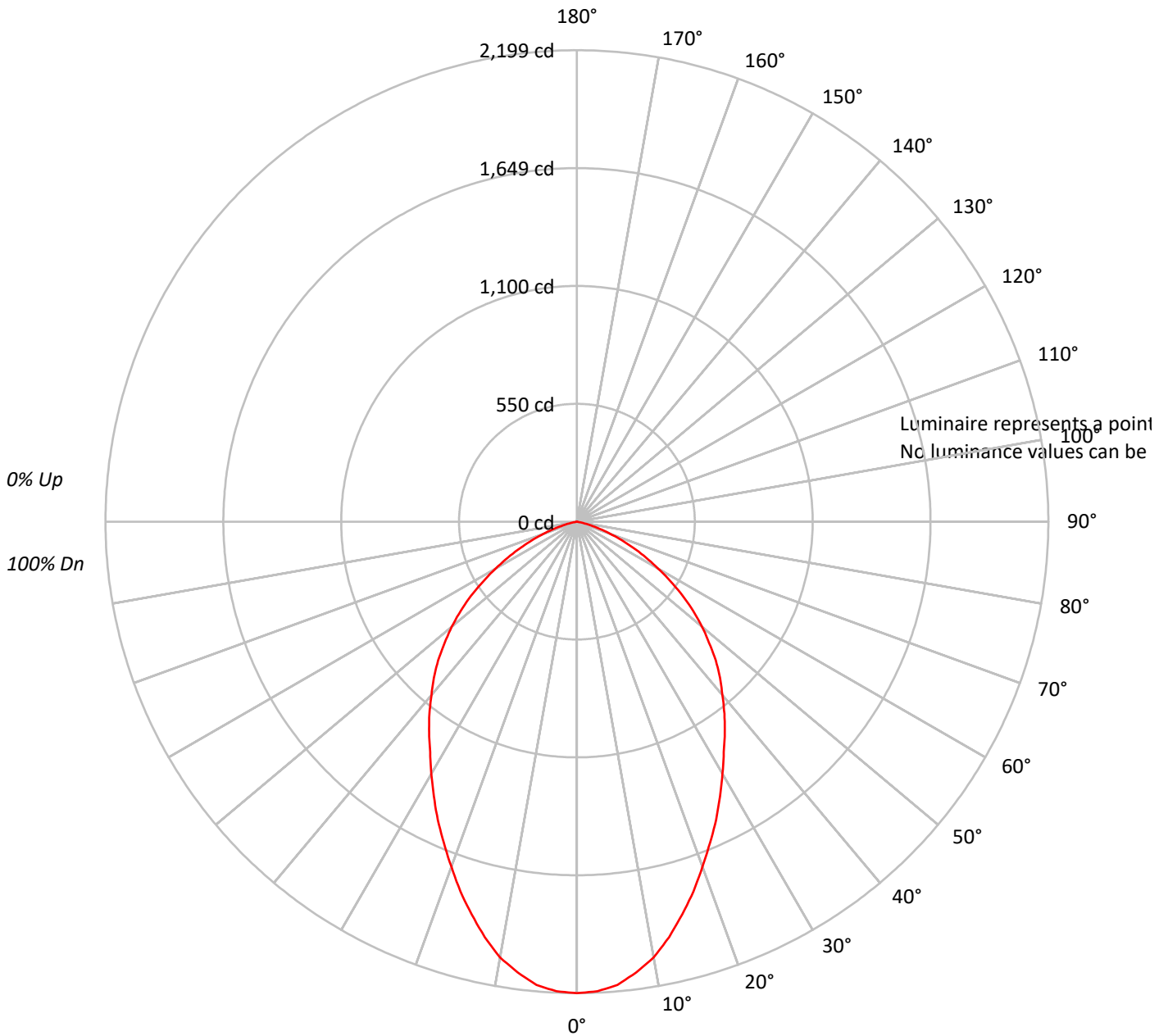
Input Watts (W): 41.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				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			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88			
2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	84	81	79	77			
3	95	86	79	73	92	84	78	73	81	76	71	79	74	70	76	72	69	67			
4	88	77	70	64	86	76	69	63	74	67	62	71	66	62	69	65	61	59			
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52			
6	76	64	56	50	74	63	55	50	61	54	49	59	53	49	58	53	48	47			
7	70	58	50	45	69	57	50	45	56	49	44	55	48	44	53	48	44	42			
8	66	54	46	40	64	53	45	40	52	45	40	50	44	40	49	44	40	38			
9	62	49	42	37	61	49	42	37	48	41	37	47	41	36	46	40	36	35			
10	58	46	39	34	57	45	38	34	45	38	34	44	38	33	43	37	33	32			

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	203.5	5.3
10°-20°	531.9	14.0
20°-30°	705.3	18.5
30°-40°	752.3	19.8
40°-50°	703.2	18.5
50°-60°	536.2	14.1
60°-70°	291.7	7.7
70°-80°	78.3	2.1
80°-90°	0.9	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°	1440.7	37.9
0°-40°	2192.9	57.7
0°-60°	3432.4	90.2
0°-90°	3803.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3803.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2199	
5°	2169	203
15°	1896	532
25°	1535	705
35°	1202	752
45°	916	703
55°	603	536
65°	291	292
75°	68	78
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2199.3
2.5°	2192.3
5°	2169.0
7.5°	2120.0
10°	2064.1
12.5°	1984.9
15°	1896.4
17.5°	1807.9
20°	1712.3
22.5°	1621.5
25°	1535.3
27.5°	1444.4
30°	1358.2
32.5°	1274.4
35°	1202.1
37.5°	1129.9
40°	1055.4
42.5°	987.8
45°	915.6
47.5°	836.4
50°	761.8
52.5°	682.6
55°	603.4
57.5°	517.2
60°	438.0
62.5°	363.4
65°	291.2
67.5°	226.0
70°	165.4
72.5°	114.2
75°	67.6
77.5°	30.3
80°	7.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)