

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: P204707

Luminaire Tested: **LD6B40D010 EU6B30508035 6LBPSMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204707  
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 EU6B30508035 6LBPSMW1  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH PLASTIC MATTE WHITE 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: 4649.7 lumens  
Efficiency: N/A  
Efficacy: 111.2 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

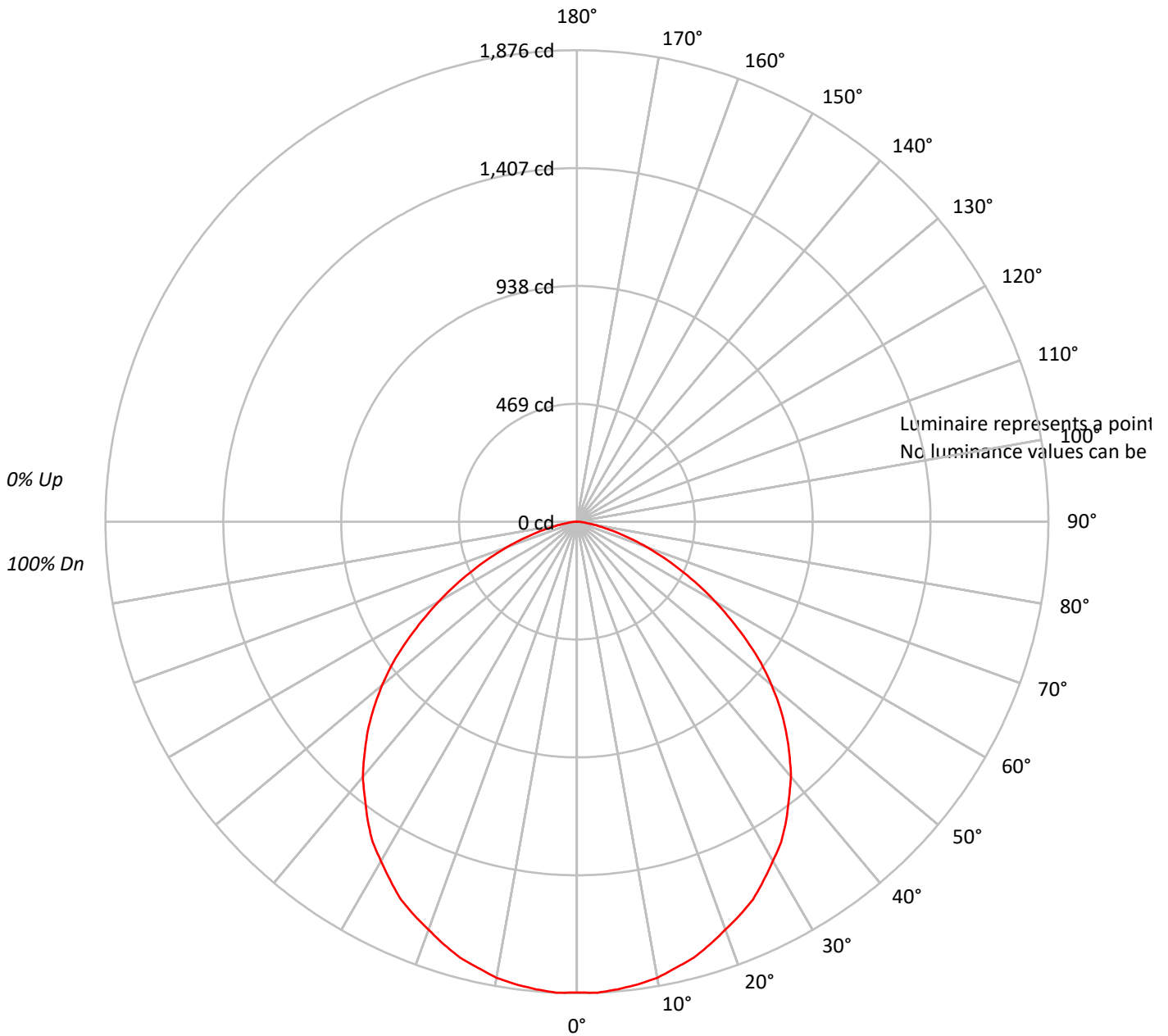
Input Watts (W): 41.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86																												
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74																												
3	93	83	75	69	90	81	74	69	78	72	67	76	70	66	73	69	65	63																												
4	85	74	66	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54																												
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	49	47																												
6	73	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42																												
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	43	39	37																												
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33																												
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30																												
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27																												

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.5	3.8
10°-20°	506.0	10.9
20°-30°	762.0	16.4
30°-40°	906.7	19.5
40°-50°	905.1	19.5
50°-60°	736.0	15.8
60°-70°	452.8	9.7
70°-80°	175.4	3.8
80°-90°	28.1	0.6
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°	1445.5	31.1
0°-40°	2352.2	50.6
0°-60°	3993.4	85.9
0°-90°	4649.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4649.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1873	
5°	1868	178
15°	1796	506
25°	1658	762
35°	1452	907
45°	1176	905
55°	824	736
65°	455	453
75°	160	175
85°	22	28
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1873.4
2.5°	1876.1
5°	1867.9
7.5°	1856.9
10°	1843.1
12.5°	1818.3
15°	1796.3
17.5°	1763.2
20°	1727.4
22.5°	1694.3
25°	1658.5
27.5°	1608.9
30°	1559.3
32.5°	1512.5
35°	1451.9
37.5°	1385.8
40°	1325.1
42.5°	1250.8
45°	1176.4
47.5°	1096.5
50°	1011.1
52.5°	922.9
55°	823.7
57.5°	727.3
60°	633.6
62.5°	542.7
65°	454.6
67.5°	371.9
70°	294.8
72.5°	223.2
75°	159.8
77.5°	104.7
80°	63.4
82.5°	38.6
85°	22.0
87.5°	11.0
90°	0.0



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— 0°-180°







(END OF REPORT)