

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: P204975

Luminaire Tested: **LD6B10D010 EU6B10209730 6LBCSMMS1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204975  
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: LD6B10D010 EU6B10209730 6LBCSMMS1  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH CAST MATTE METALLIC SILVER TRIM  
WATTAGE D010TR-10.05 W DE010-10.58 W D5LT-10.2 W DMX-10.6 W DL2-11.8 W  
DL3-11.1 W DLE-11.39 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 815.9 lumens  
Efficiency: N/A  
Efficacy: 82.4 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.27  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

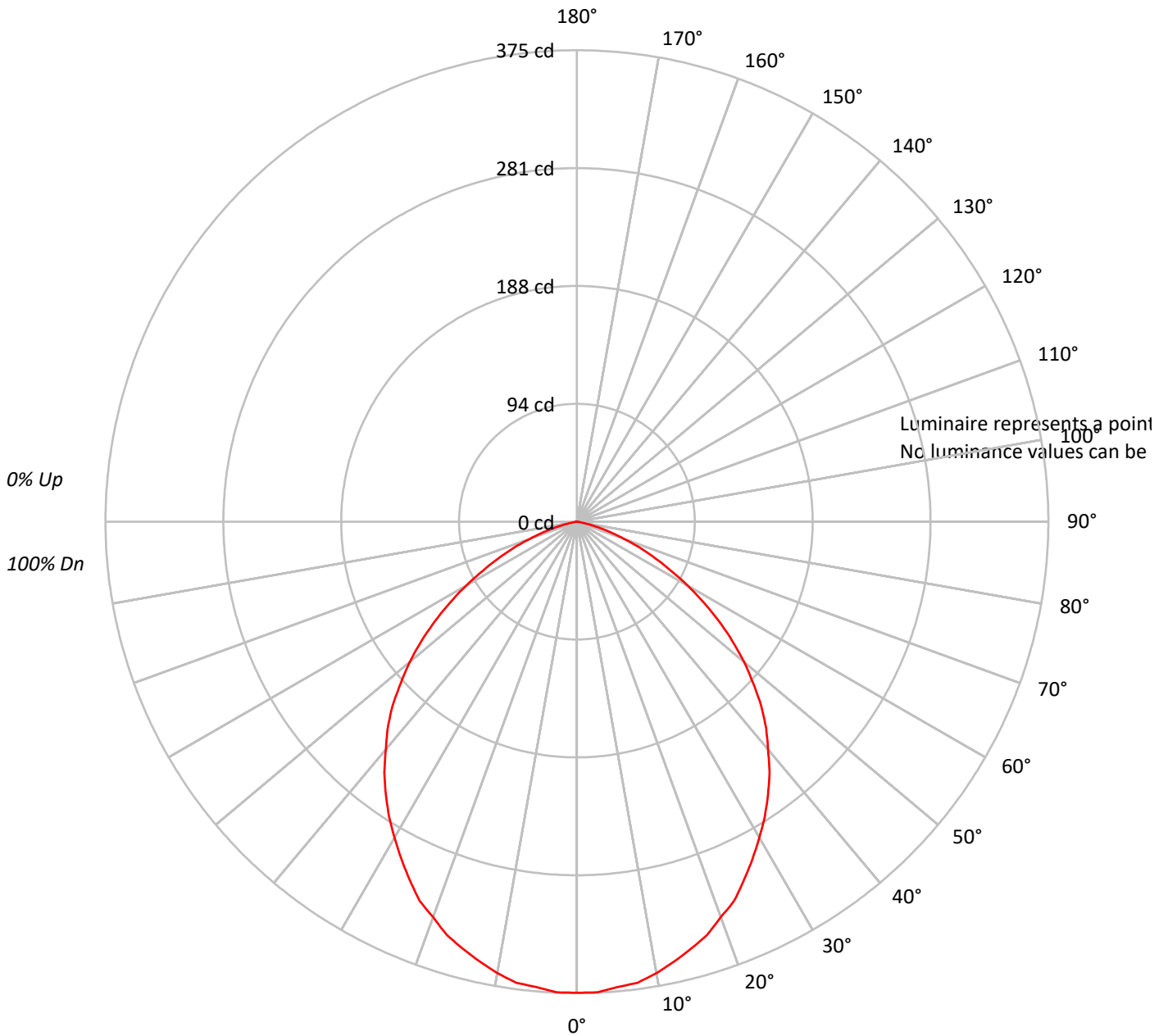
Input Watts (W): 9.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P204975

CATALOG NUMBER: LD6B10D010 EU6B10209730 6LBCSMMS1

### Luminous Intensity Polar Plot





TEST NUMBER: P204975

CATALOG NUMBER: LD6B10D010 EU6B10209730 6LBCSMMS1

**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																			
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88																			
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76																			
3	94	85	77	72	92	83	76	71	80	74	70	77	73	69	75	71	67	65																			
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57																			
5	80	68	60	54	78	67	59	54	65	58	53	63	57	53	61	56	52	50																			
6	74	62	54	48	72	61	53	47	59	52	47	58	51	47	56	51	46	44																			
7	69	56	48	42	67	56	48	42	54	47	42	53	46	42	51	46	41	40																			
8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	42	37	36																			
9	60	48	40	35	59	47	40	34	46	39	34	45	39	34	44	38	34	32																			
10	57	44	36	31	55	43	36	31	43	36	31	42	35	31	41	35	31	29																			

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





TEST NUMBER: P204975

CATALOG NUMBER: LD6B10D010 EU6B10209730 6LBCSMMS1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.3	4.3
10°-20°	99.1	12.1
20°-30°	144.7	17.7
30°-40°	165.5	20.3
40°-50°	159.1	19.5
50°-60°	122.8	15.1
60°-70°	68.5	8.4
70°-80°	20.0	2.4
80°-90°	0.9	0.1
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°	279.1	34.2
0°-40°	444.6	54.5
0°-60°	726.5	89.0
0°-90°	815.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	815.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	375	
5°	372	35
15°	352	99
25°	314	145
35°	265	166
45°	207	159
55°	138	123
65°	69	69
75°	17	20
85°	0	1
90°	0	



TEST NUMBER: P204975

CATALOG NUMBER: LD6B10D010 EU6B10209730 6LBCSMMS1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	374.7
2.5°	374.7
5°	371.5
7.5°	369.9
10°	364.6
12.5°	358.3
15°	351.5
17.5°	344.6
20°	334.6
22.5°	326.6
25°	314.5
27.5°	302.4
30°	290.2
32.5°	278.1
35°	264.9
37.5°	251.7
40°	236.4
42.5°	222.7
45°	207.4
47.5°	190.0
50°	173.6
52.5°	155.7
55°	137.7
57.5°	119.3
60°	101.8
62.5°	84.4
65°	68.6
67.5°	53.8
70°	40.1
72.5°	28.0
75°	17.4
77.5°	9.0
80°	3.2
82.5°	1.1
85°	0.5
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)