

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: PORTFOLIO

Report Number: P203190

Luminaire Tested: **LE\_6B60D010R EC6B60709027 6LBWMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203190  
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: PORTFOLIO  
Catalog Number: LE\_6B60D010R EC6B60709027 6LBWMW1  
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT  
WIDE DISTRIBUTION WITH MATTE WHITE TRIM  
SINGLE DRIVER D010TE  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5795.7 lumens  
Efficiency: N/A  
Efficacy: 92.7 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.15  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

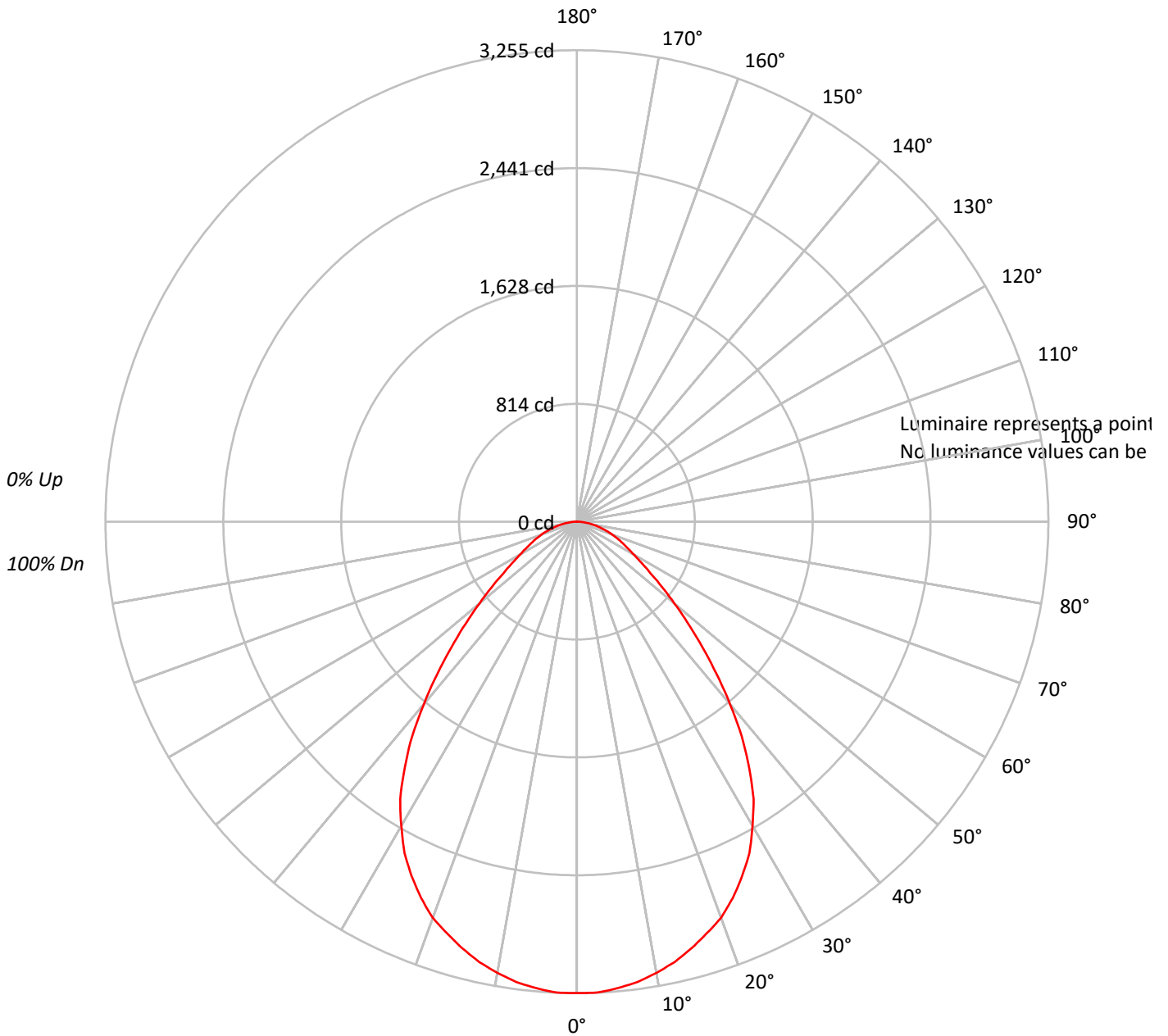
Input Watts (W): 62.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P203190

CATALOG NUMBER: LE\_6B60D010R EC6B60709027 6LBWMW1

### Luminous Intensity Polar Plot





TEST NUMBER: P203190

CATALOG NUMBER: LE\_6B60D010R EC6B60709027 6LBWMW1

**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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77		
3	95	86	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68		
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60		
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54		
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49		
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44		
8	67	55	48	42	66	55	47	42	53	47	42	52	46	42	51	46	42	40		
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37		
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34		

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





TEST NUMBER: P203190

CATALOG NUMBER: LE\_6B60D010R EC6B60709027 6LBWMW1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	306.5	5.3
10°-20°	859.6	14.8
20°-30°	1238.5	21.4
30°-40°	1285.9	22.2
40°-50°	950.7	16.4
50°-60°	567.9	9.8
60°-70°	345.1	6.0
70°-80°	189.1	3.3
80°-90°	52.6	0.9
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°	2404.5	41.5
0°-40°	3690.4	63.7
0°-60°	5208.9	89.9
0°-90°	5795.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5795.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3255	
5°	3234	307
15°	3051	860
25°	2699	1238
35°	2074	1286
45°	1223	951
55°	619	568
65°	344	345
75°	176	189
85°	42	53
90°	0	



TEST NUMBER: P203190

CATALOG NUMBER: LE\_6B60D010R EC6B60709027 6LBWMW1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3254.6
2.5°	3254.6
5°	3233.5
7.5°	3205.4
10°	3163.2
12.5°	3114.0
15°	3050.8
17.5°	2980.5
20°	2910.1
22.5°	2811.8
25°	2699.2
27.5°	2579.8
30°	2425.1
32.5°	2270.5
35°	2073.6
37.5°	1869.9
40°	1644.9
42.5°	1427.0
45°	1223.1
47.5°	1040.4
50°	878.6
52.5°	738.1
55°	618.6
57.5°	527.2
60°	449.9
62.5°	393.6
65°	344.5
67.5°	302.2
70°	260.1
72.5°	217.9
75°	175.8
77.5°	140.6
80°	105.5
82.5°	77.4
85°	42.1
87.5°	21.1
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)