

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: P205241

Luminaire Tested: **LE\_6B60D010R EC6B60708027 6LBWLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P205241  
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 EC6B60708027 6LBWL1  
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT  
WIDE DISTRIBUTION WITH SPECULAR CLEAR TRIM  
SINGLE DRIVER D010TE  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7215.8 lumens  
Efficiency: N/A  
Efficacy: 115.5 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

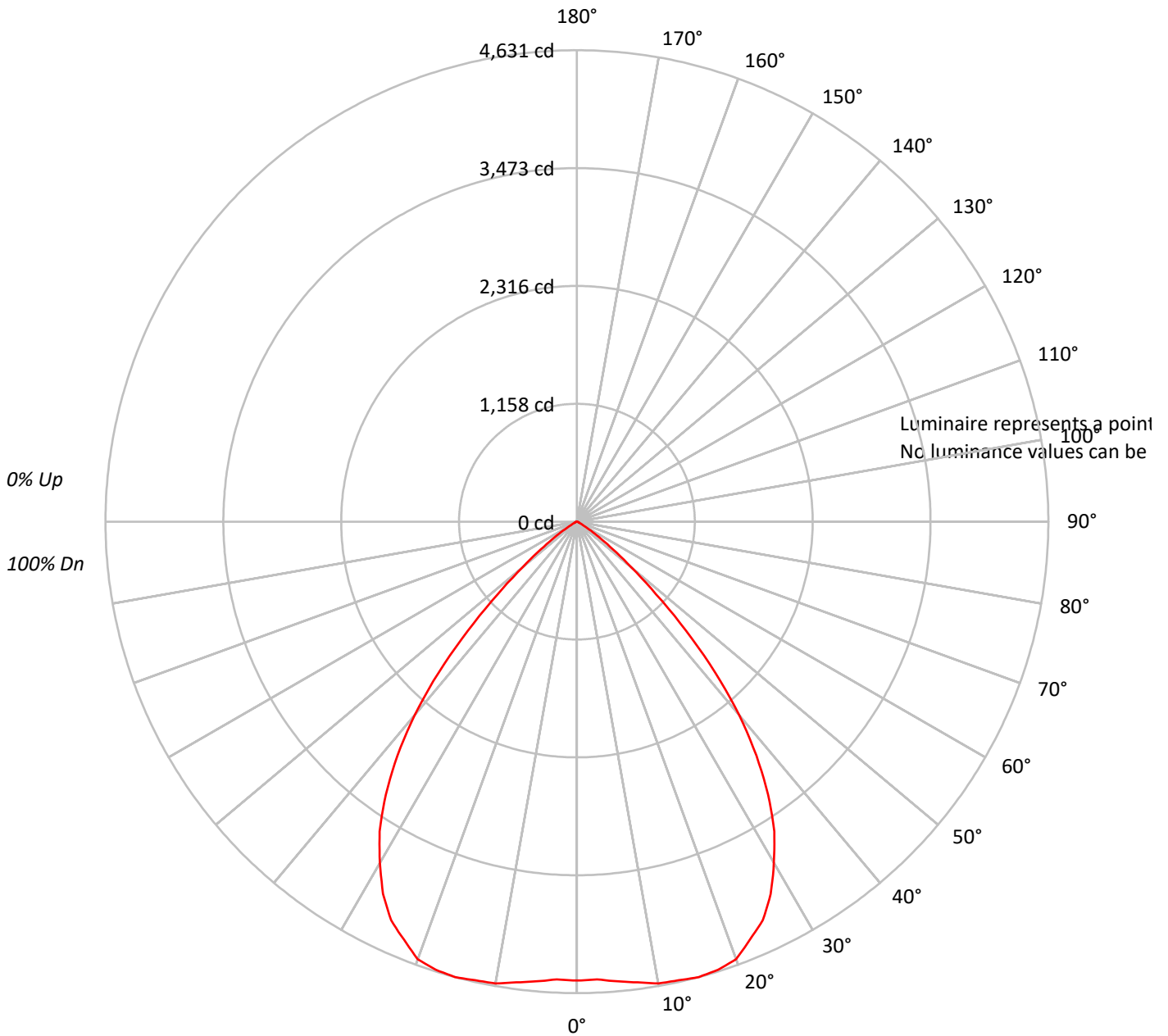
Input Watts (W): 62.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P205241

CATALOG NUMBER: LE\_6B60D010R EC6B60708027 6LBWL11

### Luminous Intensity Polar Plot





TEST NUMBER: P205241

CATALOG NUMBER: LE\_6B60D010R EC6B60708027 6LBWL11

**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											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	74	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	43	52	46	42	51	46	42	51	46	42	41											41																	

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





TEST NUMBER: P205241

CATALOG NUMBER: LE\_6B60D010R EC6B60708027 6LBWLI1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	434.9	6.0
10°-20°	1307.1	18.1
20°-30°	1970.4	27.3
30°-40°	2016.8	27.9
40°-50°	1174.9	16.3
50°-60°	269.9	3.7
60°-70°	33.2	0.5
70°-80°	8.6	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°	3712.4	51.4
0°-40°	5729.2	79.4
0°-60°	7174.1	99.4
0°-90°	7215.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7215.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4508	
5°	4532	435
15°	4631	1307
25°	4320	1970
35°	3272	2017
45°	1514	1175
55°	262	270
65°	24	33
75°	8	9
85°	0	0
90°	0	



TEST NUMBER: P205241

CATALOG NUMBER: LE\_6B60D010R EC6B60708027 6LBWL11

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4507.9
2.5°	4499.8
5°	4532.5
7.5°	4565.1
10°	4606.1
12.5°	4614.2
15°	4630.6
17.5°	4614.2
20°	4573.4
22.5°	4442.5
25°	4319.8
27.5°	4123.4
30°	3869.8
32.5°	3608.0
35°	3272.5
37.5°	2896.2
40°	2479.0
42.5°	2012.6
45°	1513.5
47.5°	1055.4
50°	695.4
52.5°	441.8
55°	261.8
57.5°	139.1
60°	73.6
62.5°	40.9
65°	24.5
67.5°	24.5
70°	16.4
72.5°	8.1
75°	8.1
77.5°	8.1
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)