

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: P203672

Luminaire Tested: **LE\_6B30D010 EC6B30509730 6LBNH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203672  
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\_6B30D010 EC6B30509730 6LBNH1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
NARROW DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM  
WATTAGE D010TR-27.4 W DE010-27.95 W D5LT-27.65 W DMX-27.73 W DL2-29.56 W  
DL3-29.67 W DLE-29.73 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1734.3 lumens  
Efficiency: N/A  
Efficacy: 61.9 lumens/watt  
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

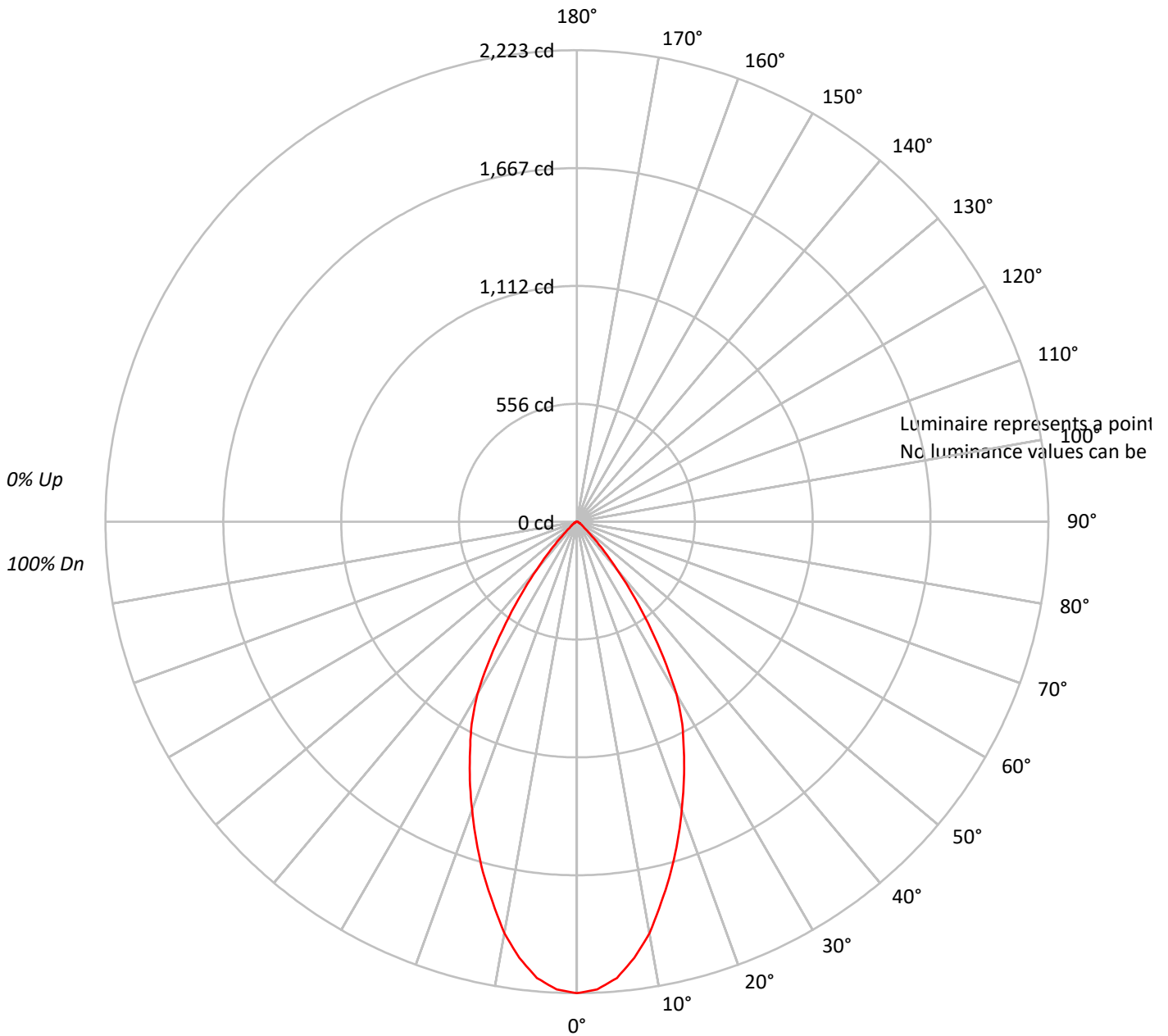
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P203672

CATALOG NUMBER: LE\_6B30D010 EC6B30509730 6LBNH1

### Luminous Intensity Polar Plot





TEST NUMBER: P203672

CATALOG NUMBER: LE\_6B30D010 EC6B30509730 6LBNH1

**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	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81			
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75			
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70			
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61			
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58			
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54			
10	72	62	57	53	71	62	57	53	61	56	53	60	56	52	60	55	52	51			

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





TEST NUMBER: P203672

CATALOG NUMBER: LE\_6B30D010 EC6B30509730 6LBNH1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	199.9	11.5
10°-20°	476.8	27.5
20°-30°	546.2	31.5
30°-40°	367.0	21.2
40°-50°	104.8	6.0
50°-60°	25.7	1.5
60°-70°	9.8	0.6
70°-80°	3.7	0.2
80°-90°	0.4	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°	1222.9	70.5
0°-40°	1589.9	91.7
0°-60°	1720.4	99.2
0°-90°	1734.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1734.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2223	
5°	2160	200
15°	1711	477
25°	1192	546
35°	585	367
45°	120	105
55°	28	26
65°	10	10
75°	3	4
85°	0	0
90°	0	



TEST NUMBER: P203672

CATALOG NUMBER: LE\_6B30D010 EC6B30509730 6LBNH1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2223.2
2.5°	2207.5
5°	2160.0
7.5°	2074.6
10°	1970.2
12.5°	1837.5
15°	1711.0
17.5°	1578.1
20°	1445.2
22.5°	1318.8
25°	1192.2
27.5°	1075.2
30°	939.2
32.5°	759.0
35°	585.1
37.5°	427.0
40°	294.1
42.5°	192.9
45°	120.1
47.5°	72.8
50°	44.2
52.5°	34.8
55°	28.5
57.5°	22.1
60°	15.9
62.5°	12.6
65°	9.5
67.5°	6.4
70°	6.4
72.5°	3.1
75°	3.1
77.5°	3.1
80°	3.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)