

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: P203770

Luminaire Tested: **LE\_6B30D010 EC6B30509030 6LBNWH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203770  
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 EC6B30509030 6LBNWH1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
NARROW DISTRIBUTION WITH WHEAT 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: 2125.2 lumens  
Efficiency: N/A  
Efficacy: 75.9 lumens/watt  
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.64  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

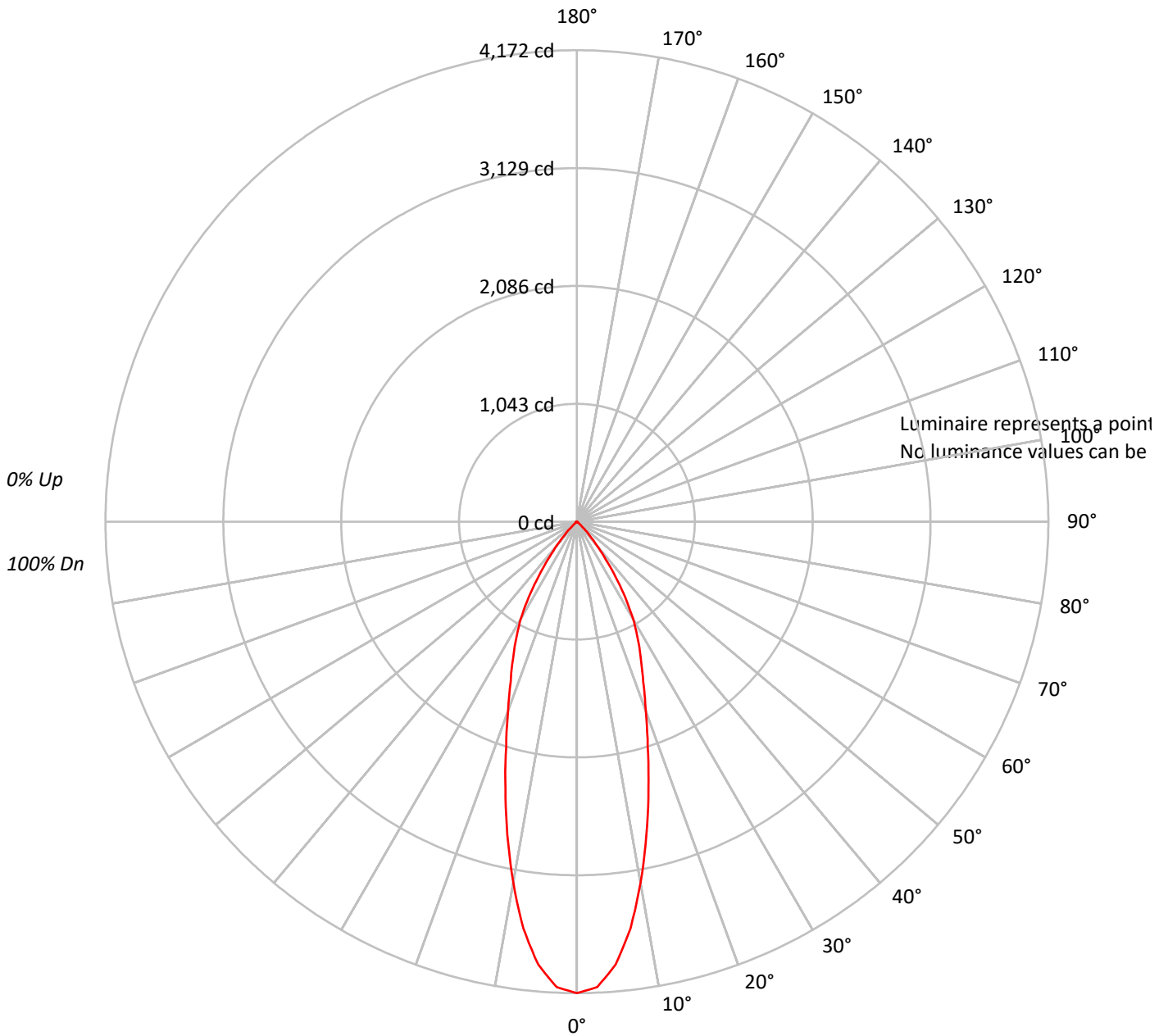
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P203770

CATALOG NUMBER: LE\_6B30D010 EC6B30509030 6LBNWH1

### Luminous Intensity Polar Plot





TEST NUMBER: P203770

CATALOG NUMBER: LE\_6B30D010 EC6B30509030 6LBNWH1

**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	114	111	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	94			
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89			
3	104	98	93	90	102	97	92	89	94	91	88	92	89	86	89	87	85	83			
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79			
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74			
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70			
7	87	78	73	69	85	77	72	69	76	72	68	75	71	68	74	70	67	66			
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63			
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60			
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57			

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





TEST NUMBER: P203770

CATALOG NUMBER: LE\_6B30D010 EC6B30509030 6LBNWH1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	353.2	16.6
10°-20°	678.7	31.9
20°-30°	617.0	29.0
30°-40°	374.0	17.6
40°-50°	85.1	4.0
50°-60°	10.9	0.5
60°-70°	4.9	0.2
70°-80°	1.4	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°	1648.8	77.6
0°-40°	2022.8	95.2
0°-60°	2118.9	99.7
0°-90°	2125.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2125.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4172	
5°	3934	353
15°	2444	679
25°	1338	617
35°	593	374
45°	94	85
55°	11	11
65°	4	5
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P203770

CATALOG NUMBER: LE\_6B30D010 EC6B30509030 6LBNWH1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4172.2
2.5°	4121.6
5°	3933.6
7.5°	3630.0
10°	3243.1
12.5°	2841.8
15°	2444.1
17.5°	2082.5
20°	1778.9
22.5°	1533.0
25°	1337.8
27.5°	1164.2
30°	994.2
32.5°	795.4
35°	593.0
37.5°	415.8
40°	274.8
42.5°	169.9
45°	94.0
47.5°	43.4
50°	18.1
52.5°	14.5
55°	10.9
57.5°	10.9
60°	7.2
62.5°	7.2
65°	3.6
67.5°	3.6
70°	3.6
72.5°	3.6
75°	0.0
77.5°	0.0
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)