

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: P205409

Luminaire Tested: **LE\_6B30D010 EC6B30508040 6LBSLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P205409  
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 EC6B30508040 6LBSLI1  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH 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: 4125.0 lumens  
Efficiency: N/A  
Efficacy: 147.3 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

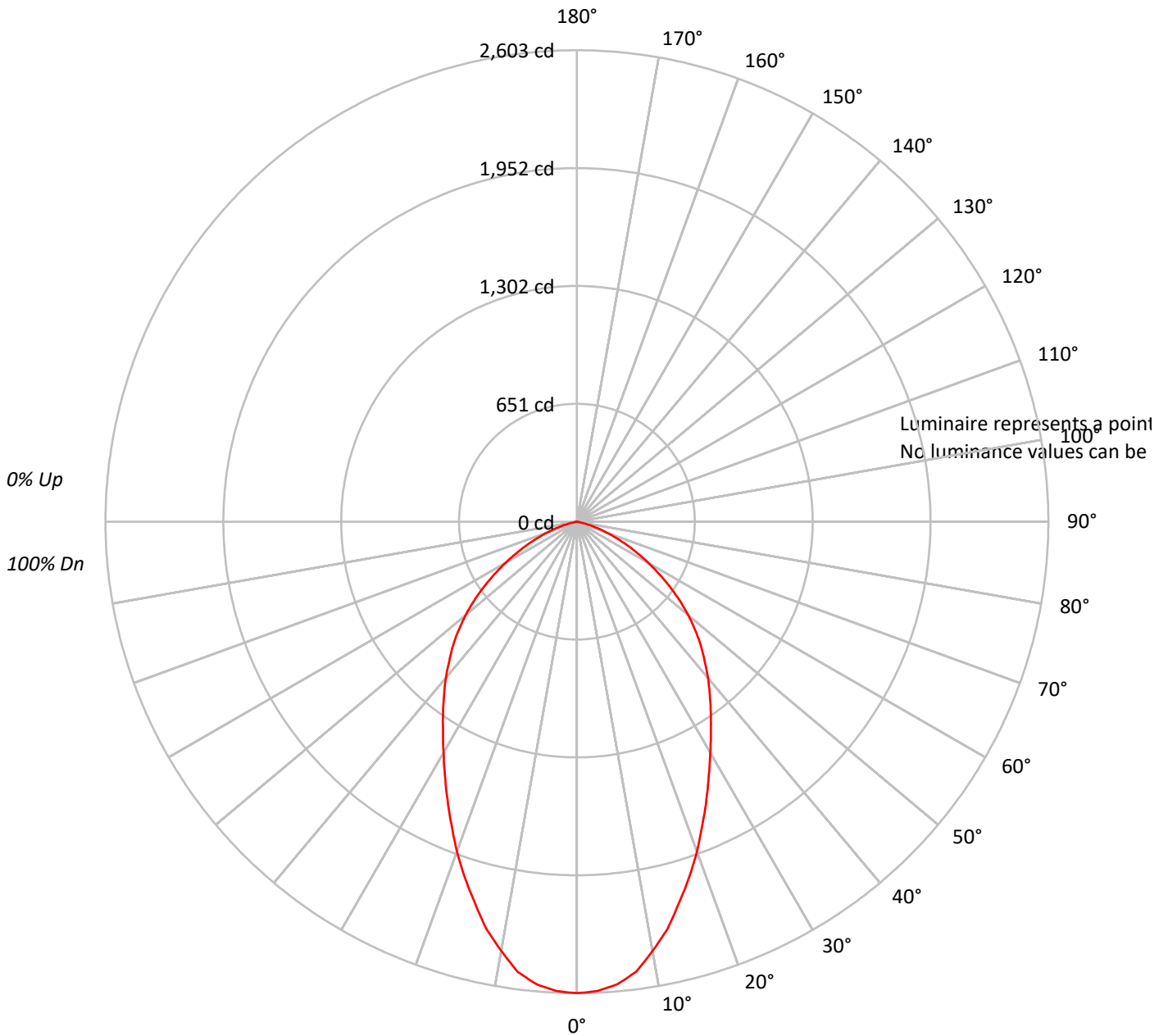
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P205409

CATALOG NUMBER: LE\_6B30D010 EC6B30508040 6LBSLI1

### Luminous Intensity Polar Plot





TEST NUMBER: P205409

CATALOG NUMBER: LE\_6B30D010 EC6B30508040 6LBSLI1

**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	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89																			
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77																			
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68																			
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60																			
5	82	71	63	57	80	70	62	57	67	61	56	66	60	55	64	59	55	53																			
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47																			
7	71	59	51	46	70	58	51	45	57	50	45	55	49	45	54	49	45	43																			
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39																			
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36																			
10	59	47	40	35	58	46	39	35	45	39	35	45	39	34	44	38	34	33																			

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





TEST NUMBER: P205409

CATALOG NUMBER: LE\_6B30D010 EC6B30508040 6LBSLI1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	239.9	5.8
10°-20°	610.6	14.8
20°-30°	778.7	18.9
30°-40°	807.5	19.6
40°-50°	744.1	18.0
50°-60°	559.7	13.6
60°-70°	302.1	7.3
70°-80°	81.1	2.0
80°-90°	1.2	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°	1629.2	39.5
0°-40°	2436.8	59.1
0°-60°	3740.6	90.7
0°-90°	4125.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4125.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2603	
5°	2564	240
15°	2178	611
25°	1692	779
35°	1288	808
45°	968	744
55°	627	560
65°	302	302
75°	70	81
85°	0	1
90°	0	



TEST NUMBER: P205409

CATALOG NUMBER: LE\_6B30D010 EC6B30508040 6LBSLI1

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2603.1
2.5°	2594.4
5°	2563.6
7.5°	2506.6
10°	2405.9
12.5°	2305.1
15°	2178.0
17.5°	2059.6
20°	1937.0
22.5°	1809.9
25°	1691.6
27.5°	1577.6
30°	1472.5
32.5°	1376.0
35°	1288.4
37.5°	1205.1
40°	1126.2
42.5°	1043.0
45°	968.5
47.5°	885.2
50°	802.0
52.5°	714.4
55°	626.6
57.5°	539.0
60°	455.8
62.5°	376.9
65°	302.4
67.5°	232.2
70°	170.9
72.5°	118.4
75°	70.1
77.5°	30.6
80°	8.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)