

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: P205001

Luminaire Tested: **LE\_6B30D010 EC6B30508027 6LBCS1MMS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P205001  
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 EC6B30508027 6LBCS1MMS  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH CAST MATTE METALLIC SILVER 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: 3634.2 lumens  
Efficiency: N/A  
Efficacy: 129.8 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.27  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

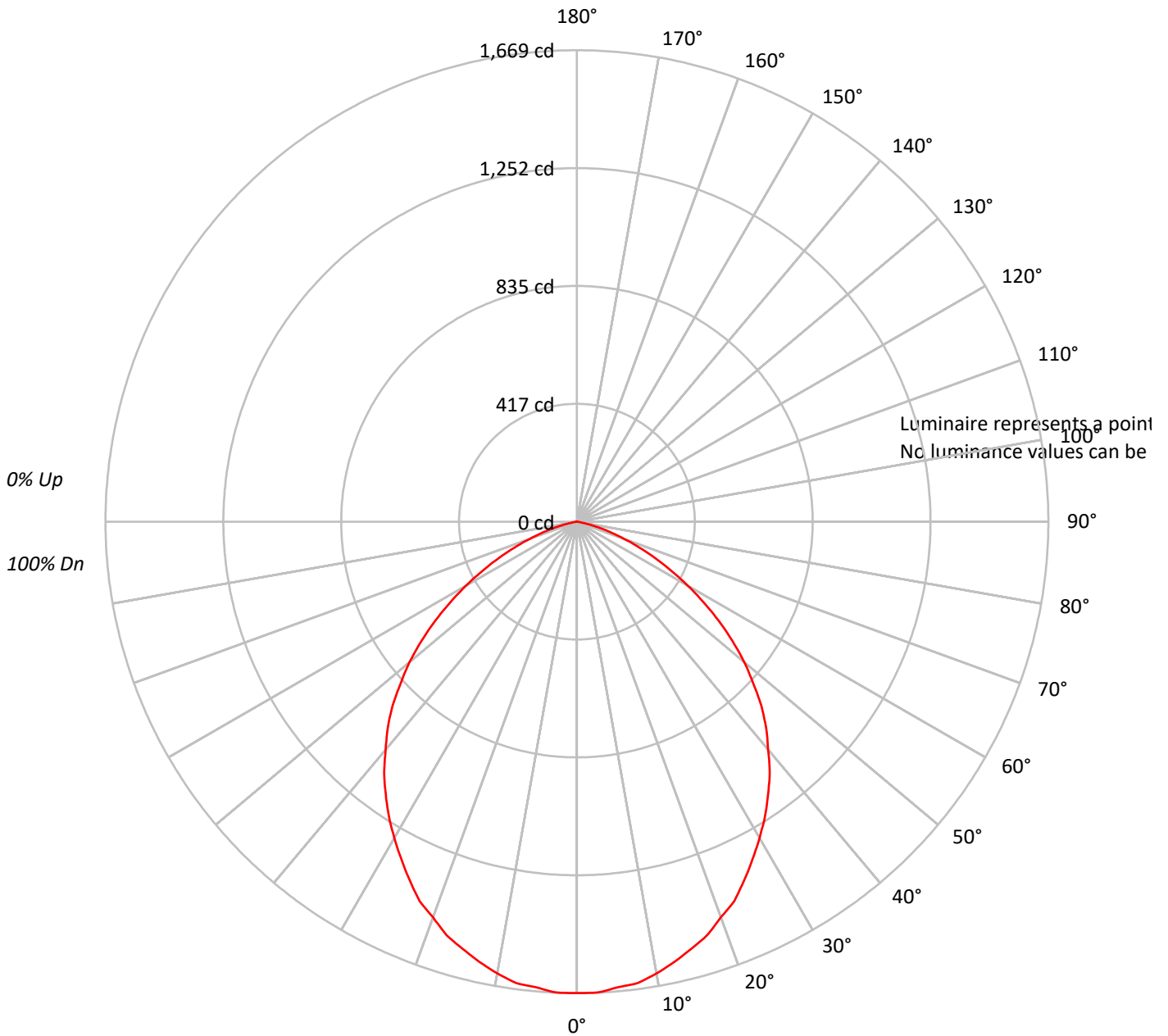
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P205001

CATALOG NUMBER: LE\_6B30D010 EC6B30508027 6LBCS1MMS

### Luminous Intensity Polar Plot





TEST NUMBER: P205001

CATALOG NUMBER: LE\_6B30D010 EC6B30508027 6LBCS1MMS

**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	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88																			
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76																			
3	94	85	77	72	92	83	76	71	80	74	70	77	73	69	75	71	67	65																			
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57																			
5	80	68	60	54	78	67	59	54	65	58	53	63	57	53	61	56	52	50																			
6	74	62	54	48	72	61	53	47	59	52	47	58	51	47	56	51	46	44																			
7	69	56	48	42	67	56	48	42	54	47	42	53	46	42	51	46	41	40																			
8	64	52	44	38	63	51	43	38	50	43	38	48	42	38	47	42	37	36																			
9	60	48	40	35	59	47	40	34	46	39	34	45	39	34	44	38	34	32																			
10	57	44	36	31	55	43	36	31	43	36	31	42	35	31	41	35	31	29																			

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





TEST NUMBER: P205001

CATALOG NUMBER: LE\_6B30D010 EC6B30508027 6LBCS1MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	157.3	4.3
10°-20°	441.3	12.1
20°-30°	644.6	17.7
30°-40°	737.2	20.3
40°-50°	708.5	19.5
50°-60°	547.1	15.1
60°-70°	305.4	8.4
70°-80°	88.9	2.4
80°-90°	3.9	0.1
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°	1243.2	34.2
0°-40°	1980.4	54.5
0°-60°	3236.1	89.0
0°-90°	3634.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3634.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1669	
5°	1655	157
15°	1566	441
25°	1401	645
35°	1180	737
45°	924	709
55°	614	547
65°	306	305
75°	78	89
85°	2	4
90°	0	



TEST NUMBER: P205001

CATALOG NUMBER: LE\_6B30D010 EC6B30508027 6LBCS1MMS

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1668.9
2.5°	1668.9
5°	1654.8
7.5°	1647.8
10°	1624.2
12.5°	1596.0
15°	1565.5
17.5°	1534.9
20°	1490.2
22.5°	1455.0
25°	1400.9
27.5°	1346.9
30°	1292.8
32.5°	1238.8
35°	1180.0
37.5°	1121.2
40°	1053.0
42.5°	991.9
45°	923.8
47.5°	846.2
50°	773.4
52.5°	693.4
55°	613.5
57.5°	531.2
60°	453.6
62.5°	376.1
65°	305.6
67.5°	239.8
70°	178.6
72.5°	124.6
75°	77.6
77.5°	40.0
80°	14.1
82.5°	4.8
85°	2.4
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)