

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: P204903

Luminaire Tested: **LE\_6B30D010 EC6B30509024 6LBCSMB1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204903  
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 EC6B30509024 6LBCSMB1  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH CAST MATTE BLACK 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: 2477.1 lumens  
Efficiency: N/A  
Efficacy: 88.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

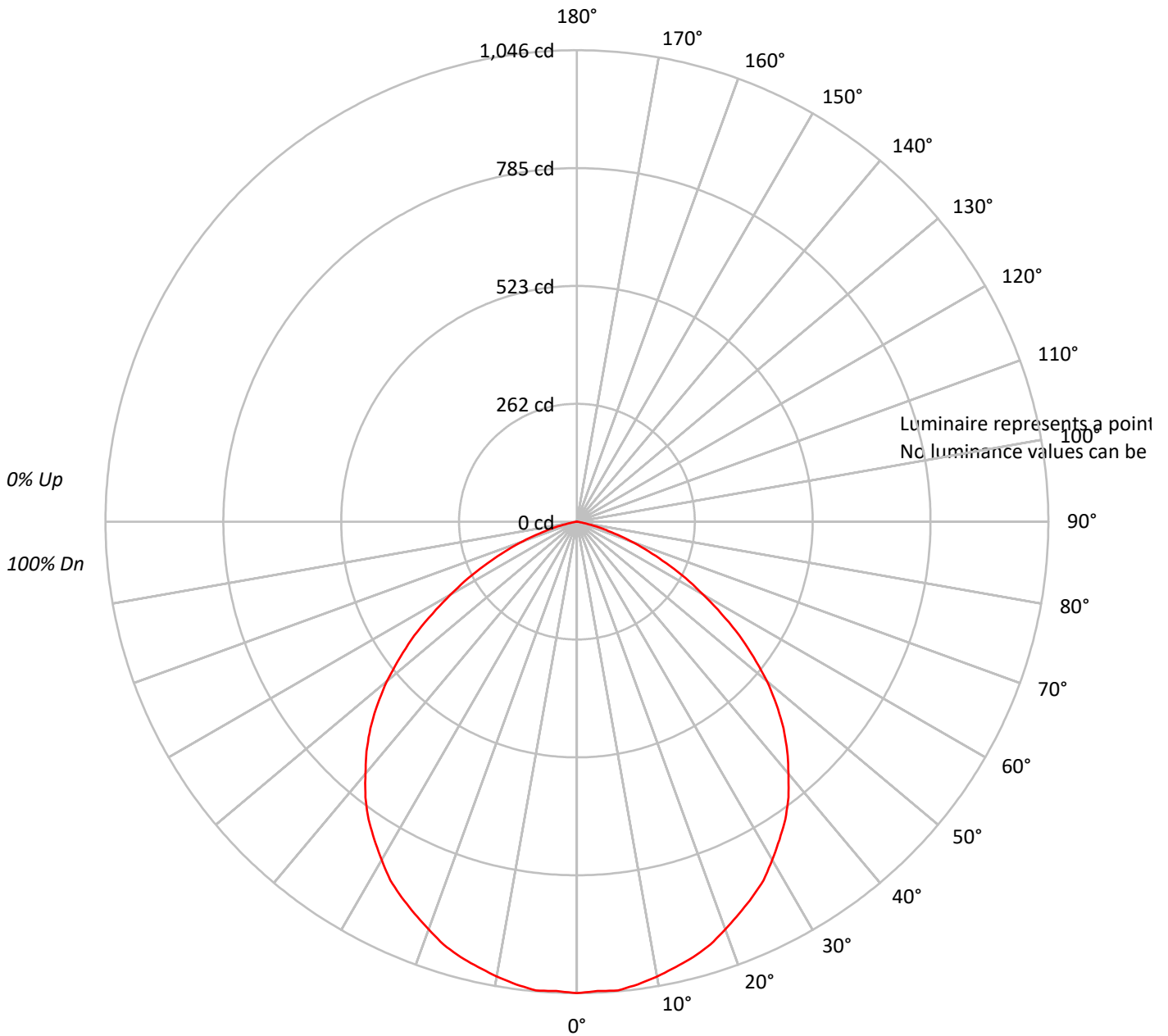
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P204903

CATALOG NUMBER: LE\_6B30D010 EC6B30509024 6LBCSMB1

### Luminous Intensity Polar Plot





TEST NUMBER: P204903

CATALOG NUMBER: LE\_6B30D010 EC6B30509024 6LBCSMB1

**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			100
1	111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88			88
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75			75
3	93	84	77	71	91	83	76	70	80	74	69	77	72	68	74	70	67	65			65
4	86	75	67	61	84	74	66	61	71	65	60	69	63	59	67	62	58	56			56
5	79	67	59	53	77	66	59	53	64	57	52	62	56	52	61	55	51	49			49
6	74	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43			43
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	39			39
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	46	41	36	35			35
9	60	47	39	33	58	46	39	33	45	38	33	44	38	33	43	37	33	31			31
10	56	43	35	30	55	43	35	30	42	35	30	41	34	30	40	34	30	28			28

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





TEST NUMBER: P204903

CATALOG NUMBER: LE\_6B30D010 EC6B30509024 6LBCSMB1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.9	4.0
10°-20°	281.9	11.4
20°-30°	423.7	17.1
30°-40°	502.7	20.3
40°-50°	497.5	20.1
50°-60°	390.8	15.8
60°-70°	219.1	8.8
70°-80°	61.5	2.5
80°-90°	1.0	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°	804.5	32.5
0°-40°	1307.2	52.8
0°-60°	2195.5	88.6
0°-90°	2477.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2477.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1046	
5°	1044	99
15°	1000	282
25°	920	424
35°	806	503
45°	648	497
55°	440	391
65°	218	219
75°	53	61
85°	0	1
90°	0	



TEST NUMBER: P204903

CATALOG NUMBER: LE\_6B30D010 EC6B30509024 6LBCSMB1

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1046.0
2.5°	1042.4
5°	1044.2
7.5°	1035.4
10°	1024.6
12.5°	1012.2
15°	999.8
17.5°	983.9
20°	962.5
22.5°	941.2
25°	919.9
27.5°	896.8
30°	866.6
32.5°	836.4
35°	806.2
37.5°	770.8
40°	729.9
42.5°	690.8
45°	648.1
47.5°	600.2
50°	550.5
52.5°	493.8
55°	440.4
57.5°	380.0
60°	323.2
62.5°	271.8
65°	218.4
67.5°	172.2
70°	127.9
72.5°	87.0
75°	53.2
77.5°	26.6
80°	7.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)