

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: P203590

Luminaire Tested: **LE\_6B50D010R EC6B30509030 6LBMMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203590  
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\_6B50D010R EC6B30509030 6LBMMW1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
MEDIUM DISTRIBUTION WITH MATTE WHITE TRIM  
SINGLE DRIVER D010TE  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4576.1 lumens  
Efficiency: N/A  
Efficacy: 77.8 lumens/watt  
Spacing Criteria (0/90/45): 1 / 1 / 0.97  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

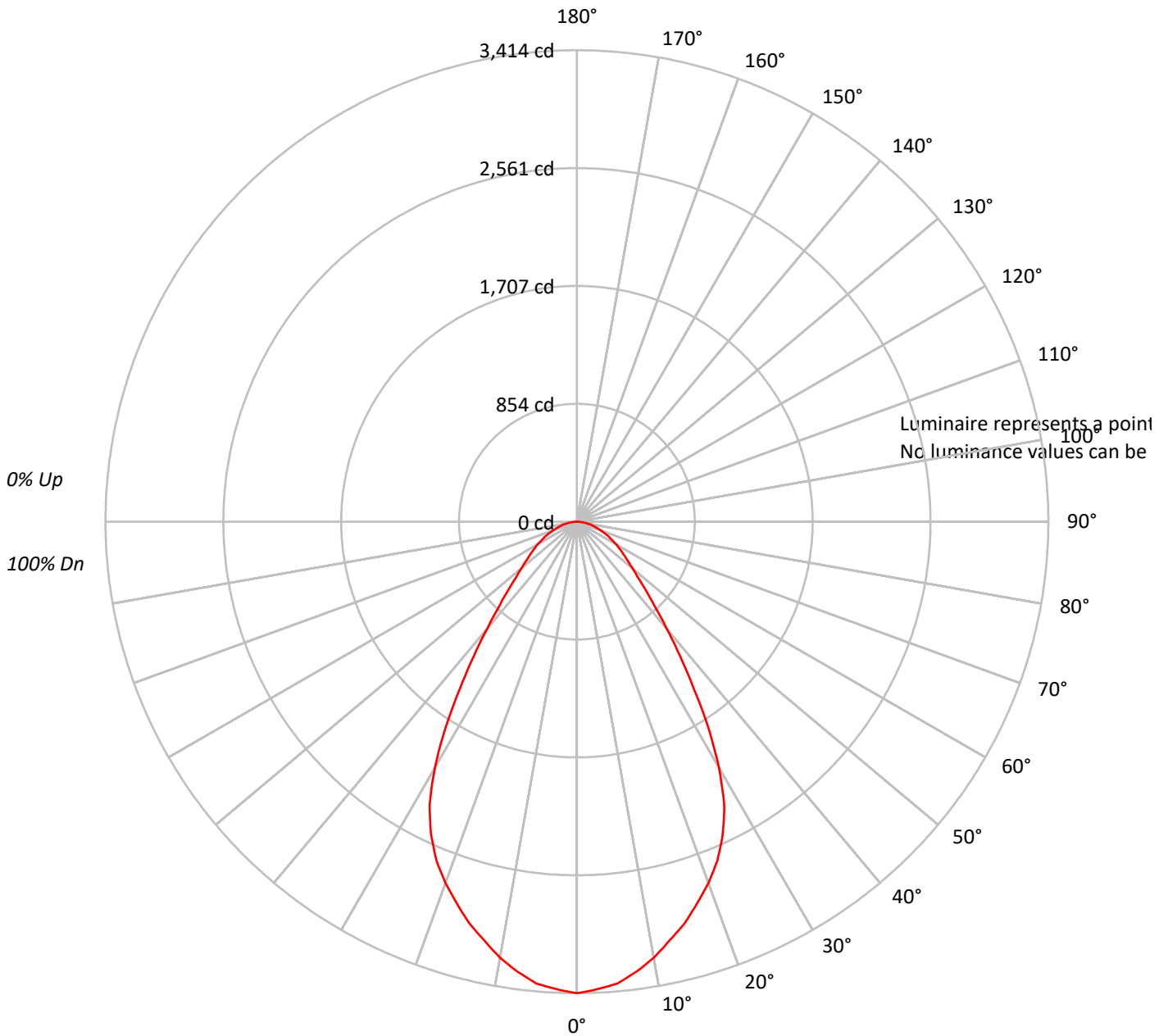
Input Watts (W): 58.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P203590

CATALOG NUMBER: LE\_6B50D010R EC6B30509030 6LBMMW1

### Luminous Intensity Polar Plot





TEST NUMBER: P203590

CATALOG NUMBER: LE\_6B50D010R EC6B30509030 6LBMMW1

**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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89			
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71			
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64			
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58			
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48			
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41			
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38			

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





TEST NUMBER: P203590

CATALOG NUMBER: LE\_6B50D010R EC6B30509030 6LBMMW1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	315.4	6.9
10°-20°	844.9	18.5
20°-30°	1134.4	24.8
30°-40°	930.6	20.3
40°-50°	558.8	12.2
50°-60°	371.4	8.1
60°-70°	248.9	5.4
70°-80°	134.0	2.9
80°-90°	37.8	0.8
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°	2294.7	50.1
0°-40°	3225.3	70.5
0°-60°	4155.5	90.8
0°-90°	4576.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4576.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3414	
5°	3358	315
15°	3011	845
25°	2499	1134
35°	1477	931
45°	707	559
55°	410	371
65°	252	249
75°	126	134
85°	32	38
90°	0	



TEST NUMBER: P203590

CATALOG NUMBER: LE\_6B50D010R EC6B30509030 6LBMMW1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3414.5
2.5°	3389.2
5°	3357.8
7.5°	3288.2
10°	3206.2
12.5°	3105.2
15°	3010.6
17.5°	2897.0
20°	2783.4
22.5°	2657.1
25°	2499.4
27.5°	2310.0
30°	2057.5
32.5°	1773.5
35°	1476.9
37.5°	1224.4
40°	1009.9
42.5°	839.4
45°	706.9
47.5°	599.6
50°	523.9
52.5°	460.8
55°	410.2
57.5°	366.1
60°	328.2
62.5°	284.0
65°	252.5
67.5°	214.6
70°	183.0
72.5°	151.5
75°	126.2
77.5°	101.0
80°	75.8
82.5°	56.8
85°	31.5
87.5°	12.6
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)