

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: P205482

Luminaire Tested: **LE\_6B10D010 EC6B10209730 6LBMGPH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P205482  
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\_6B10D010 EC6B10209730 6LBMGPH1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
MEDIUM DISTRIBUTION WITH GRAPHITE HAZE TRIM  
WATTAGE D010TR-10.05 W DE010-10.58 W D5LT-10.2 W DMX-10.6 W DL2-11.8 W  
DL3-11.1 W DLE-11.39 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 553.3 lumens  
Efficiency: N/A  
Efficacy: 55.9 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.91  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

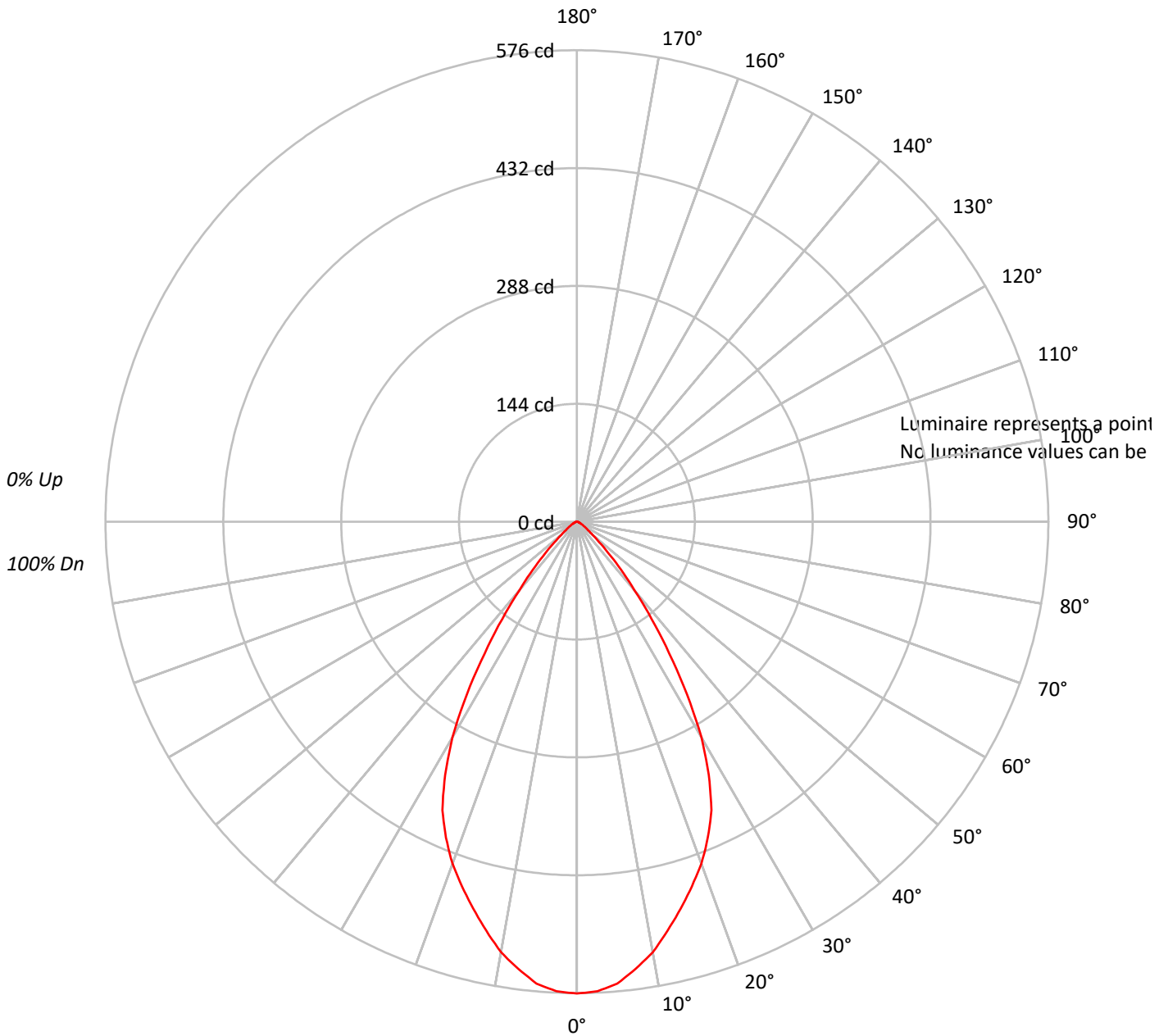
Input Watts (W): 9.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P205482

CATALOG NUMBER: LE\_6B10D010 EC6B10209730 6LBMGPH1

### Luminous Intensity Polar Plot





TEST NUMBER: P205482

CATALOG NUMBER: LE\_6B10D010 EC6B10209730 6LBMGPH1

**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	113	110	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93			
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86			
3	102	95	90	85	100	93	89	85	91	87	83	88	85	82	86	83	81	79			
4	96	88	82	78	94	87	82	77	85	80	77	83	79	76	81	78	75	73			
5	91	82	76	72	89	81	76	71	79	74	71	78	73	70	76	72	69	68			
6	86	77	71	66	85	76	70	66	74	69	65	73	68	65	72	68	64	63			
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59			
8	77	68	61	57	76	67	61	57	66	60	57	65	60	56	64	59	56	55			
9	74	64	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51			
10	70	60	54	50	69	59	54	50	59	53	50	58	53	49	57	53	49	48			

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





TEST NUMBER: P205482

CATALOG NUMBER: LE\_6B10D010 EC6B10209730 6LBMGPH1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.0	9.6
10°-20°	137.4	24.8
20°-30°	175.1	31.6
30°-40°	123.7	22.4
40°-50°	45.2	8.2
50°-60°	12.5	2.3
60°-70°	4.6	0.8
70°-80°	1.6	0.3
80°-90°	0.1	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°	365.5	66.1
0°-40°	489.3	88.4
0°-60°	547.0	98.9
0°-90°	553.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	553.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	576	
5°	566	53
15°	489	137
25°	389	175
35°	197	124
45°	55	45
55°	13	13
65°	4	5
75°	1	2
85°	0	0
90°	0	



TEST NUMBER: P205482

CATALOG NUMBER: LE\_6B10D010 EC6B10209730 6LBMGPH1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	576.5
2.5°	574.2
5°	566.5
7.5°	550.9
10°	534.1
12.5°	511.8
15°	489.4
17.5°	467.0
20°	444.6
22.5°	417.9
25°	388.9
27.5°	348.6
30°	303.9
32.5°	250.2
35°	196.6
37.5°	149.8
40°	109.5
42.5°	79.4
45°	54.8
47.5°	36.9
50°	24.6
52.5°	16.8
55°	13.4
57.5°	10.0
60°	7.9
62.5°	5.6
65°	4.5
67.5°	3.4
70°	2.2
72.5°	2.2
75°	1.1
77.5°	1.1
80°	1.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)