

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: P205552

Luminaire Tested: **LE\_6B60D010R EC6B60708050 6LBMGPH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P205552  
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\_6B60D010R EC6B60708050 6LBMGPH1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
MEDIUM DISTRIBUTION WITH GRAPHITE HAZE TRIM  
SINGLE DRIVER D010TE  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4312.1 lumens  
Efficiency: N/A  
Efficacy: 69.0 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

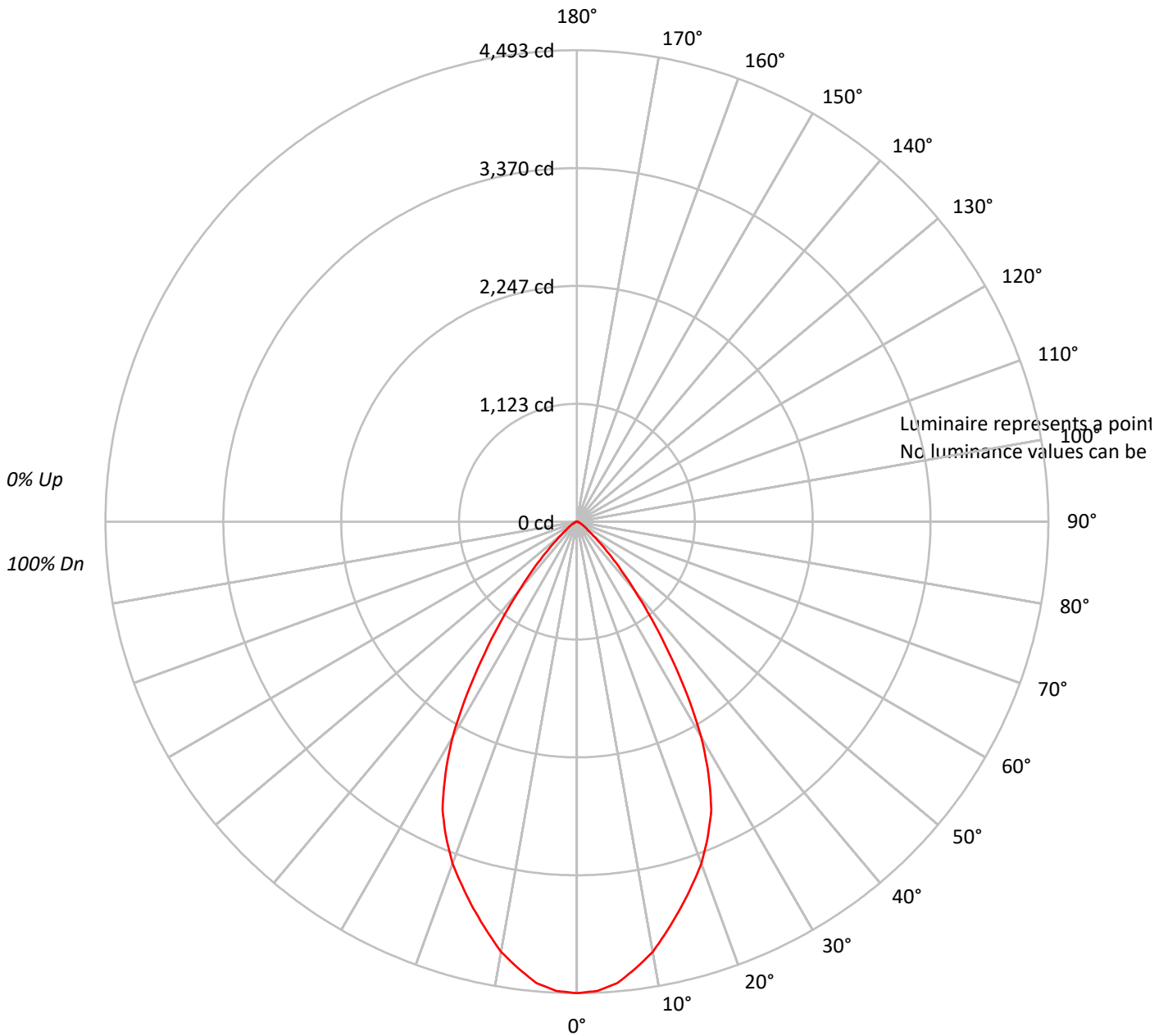
Input Watts (W): 62.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P205552

CATALOG NUMBER: LE\_6B60D010R EC6B60708050 6LBMGPH1

### Luminous Intensity Polar Plot





TEST NUMBER: P205552

CATALOG NUMBER: LE\_6B60D010R EC6B60708050 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: P205552

CATALOG NUMBER: LE\_6B60D010R EC6B60708050 6LBMGPH1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	412.8	9.6
10°-20°	1071.1	24.8
20°-30°	1364.7	31.6
30°-40°	964.5	22.4
40°-50°	352.1	8.2
50°-60°	97.6	2.3
60°-70°	35.4	0.8
70°-80°	12.7	0.3
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°	2848.6	66.1
0°-40°	3813.1	88.4
0°-60°	4262.8	98.9
0°-90°	4312.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4312.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4493	
5°	4415	413
15°	3814	1071
25°	3030	1365
35°	1533	964
45°	427	352
55°	104	98
65°	35	35
75°	9	13
85°	0	1
90°	0	



TEST NUMBER: P205552

CATALOG NUMBER: LE\_6B60D010R EC6B60708050 6LBMGPH1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4493.2
2.5°	4475.9
5°	4414.9
7.5°	4293.0
10°	4162.4
12.5°	3988.2
15°	3814.1
17.5°	3639.9
20°	3465.8
22.5°	3256.8
25°	3030.4
27.5°	2716.9
30°	2368.5
32.5°	1950.6
35°	1532.6
37.5°	1166.9
40°	853.4
42.5°	618.2
45°	426.8
47.5°	287.4
50°	191.6
52.5°	130.6
55°	104.5
57.5°	78.4
60°	61.0
62.5°	43.5
65°	34.9
67.5°	26.1
70°	17.4
72.5°	17.4
75°	8.8
77.5°	8.8
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)