

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: P202680

Luminaire Tested: **LE\_6B60D010R EC6B60709727 6LBMWMH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P202680  
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 EC6B60709727 6LBMWMH1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
MEDIUM DISTRIBUTION WITH WARM HAZE TRIM  
SINGLE DRIVER D010TE  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4183.1 lumens  
Efficiency: N/A  
Efficacy: 66.9 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.89  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

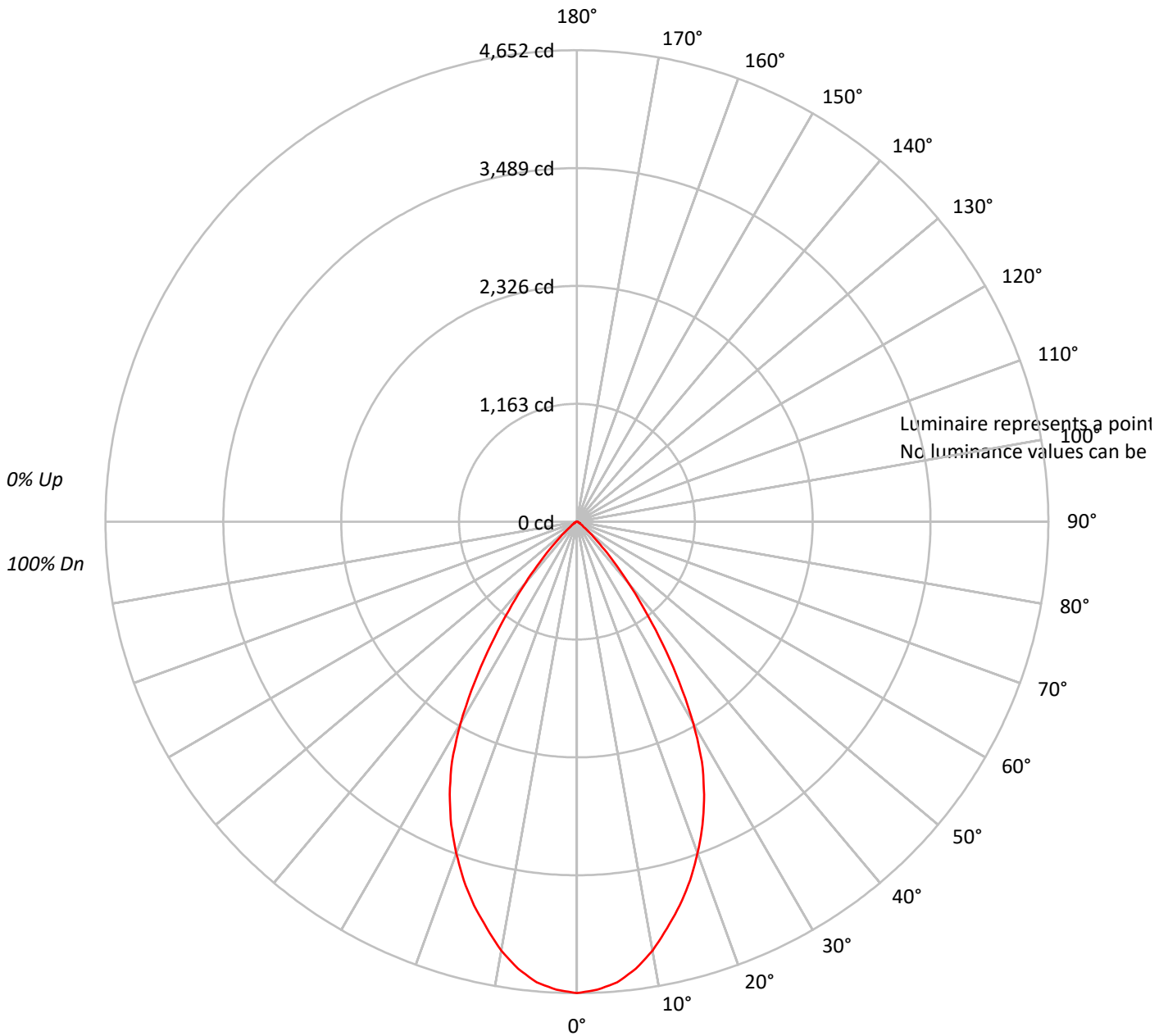
Input Watts (W): 62.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P202680

CATALOG NUMBER: LE\_6B60D010R EC6B60709727 6LBMWMH1

### Luminous Intensity Polar Plot





TEST NUMBER: P202680

CATALOG NUMBER: LE\_6B60D010R EC6B60709727 6LBMWMH1

**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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86		
3	102	95	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80		
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74		
5	92	83	77	73	90	82	77	73	80	76	72	79	75	71	77	74	71	69		
6	87	78	72	67	85	77	71	67	76	71	67	74	70	66	73	69	66	64		
7	83	73	67	63	81	72	67	63	71	66	62	70	65	62	69	65	61	60		
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	58	56		
9	75	65	59	55	73	64	59	55	63	58	54	62	58	54	62	57	54	53		
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	50		

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





TEST NUMBER: P202680

CATALOG NUMBER: LE\_6B60D010R EC6B60709727 6LBMWMH1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	427.0	10.2
10°-20°	1096.0	26.2
20°-30°	1346.2	32.2
30°-40°	923.1	22.1
40°-50°	296.7	7.1
50°-60°	60.1	1.4
60°-70°	23.7	0.6
70°-80°	8.9	0.2
80°-90°	1.4	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°	2869.2	68.6
0°-40°	3792.2	90.7
0°-60°	4149.1	99.2
0°-90°	4183.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4183.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4652	
5°	4563	427
15°	3921	1096
25°	2970	1346
35°	1473	923
45°	351	297
55°	60	60
65°	25	24
75°	7	9
85°	0	1
90°	0	



TEST NUMBER: P202680

CATALOG NUMBER: LE\_6B60D010R EC6B60709727 6LBMWMH1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4651.9
2.5°	4623.5
5°	4563.1
7.5°	4449.6
10°	4297.0
12.5°	4109.0
15°	3920.9
17.5°	3711.6
20°	3480.9
22.5°	3239.6
25°	2970.0
27.5°	2671.9
30°	2295.8
32.5°	1880.6
35°	1472.6
37.5°	1100.0
40°	791.2
42.5°	539.4
45°	351.2
47.5°	216.5
50°	131.2
52.5°	81.6
55°	60.4
57.5°	46.1
60°	35.5
62.5°	28.4
65°	24.9
67.5°	17.8
70°	14.2
72.5°	10.6
75°	7.1
77.5°	7.1
80°	3.5
82.5°	3.5
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)