

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: P252836

Luminaire Tested: **LE\_6B60D010R EC6B60709027 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252836  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-2)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LE\_6B60D010R EC6B60709027 6LBBA1MW  
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7801.3 lumens  
Efficiency: N/A  
Efficacy: 124.8 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

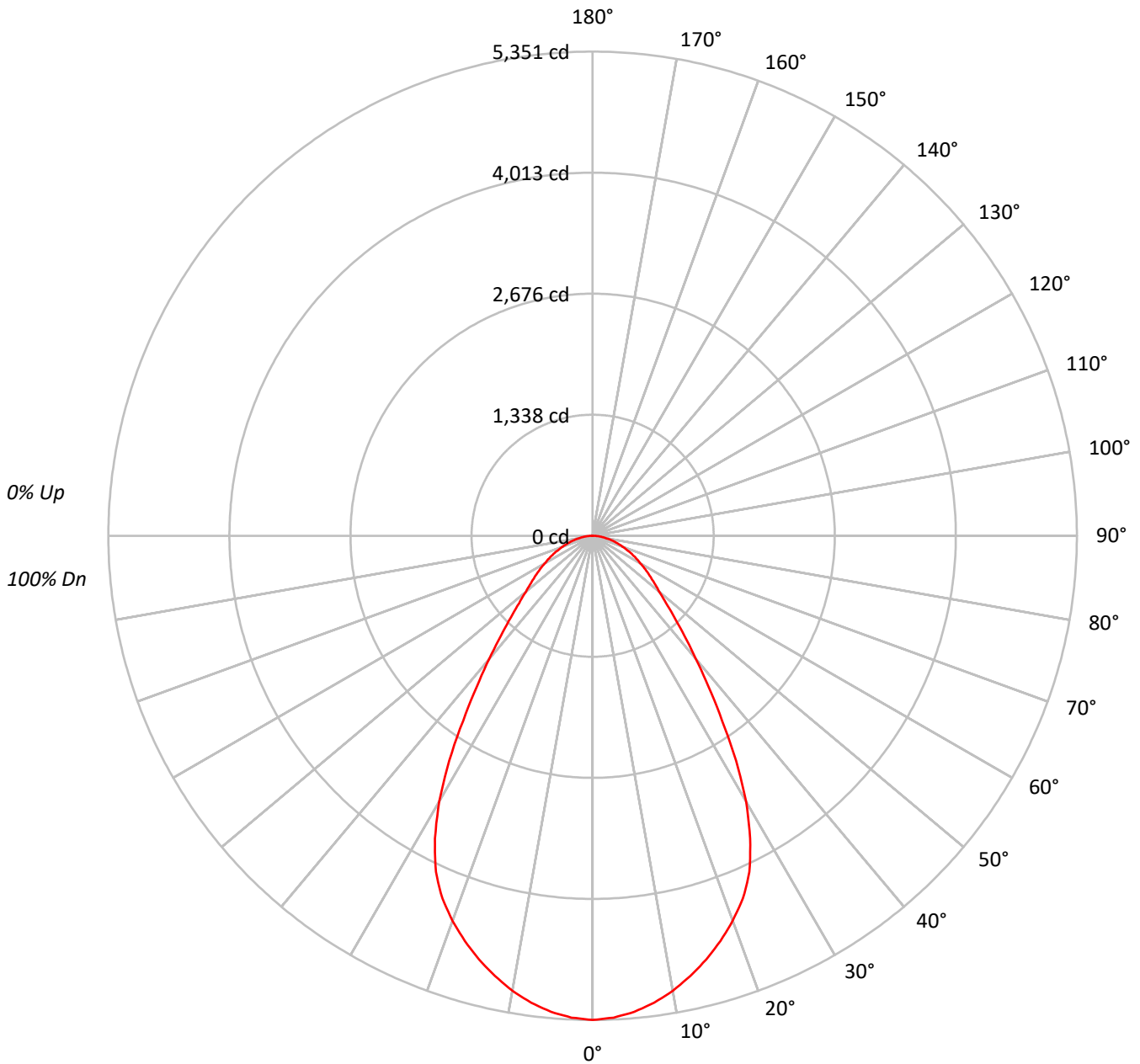
Input Watts (W): 62.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88				88
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78				78
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69				69
4	90	80	72	67	87	78	72	66	76	70	66	74	69	65	72	68	64	62				62
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	62	58	56				56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51				51
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47				47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43				43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39				39
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37				37

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

	0°
0°	349090
5°	345878
10°	338258
15°	327518
20°	314292
25°	295052
30°	255312
35°	198784
40°	151084
45°	117775
50°	97690
55°	87674
60°	79828
65°	73651
70°	67678
75°	62715
80°	56694
85°	51950



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	498.5	6.4
10°-20°	1362.4	17.5
20°-30°	1855.6	23.8
30°-40°	1570.2	20.1
40°-50°	1007.3	12.9
50°-60°	693.2	8.9
60°-70°	473.5	6.1
70°-80°	263.5	3.4
80°-90°	77.1	1.0
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°	3716.5	47.6
0°-40°	5286.7	67.8
0°-60°	6987.1	89.6
0°-90°	7801.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7801.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5351	
5°	5281	499
15°	4849	1362
25°	4099	1856
35°	2496	1570
45°	1276	1007
55°	771	693
65°	477	474
75°	249	264
85°	69	77
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5350.8
2.5°	5330.4
5°	5281.4
7.5°	5203.9
10°	5106.0
12.5°	4983.6
15°	4849.1
17.5°	4694.1
20°	4526.9
22.5°	4339.2
25°	4098.8
27.5°	3772.4
30°	3389.1
32.5°	2948.6
35°	2495.9
37.5°	2100.4
40°	1774.0
42.5°	1500.9
45°	1276.5
47.5°	1101.1
50°	962.5
52.5°	856.5
55°	770.8
57.5°	689.2
60°	611.8
62.5°	542.4
65°	477.1
67.5°	411.9
70°	354.8
72.5°	297.8
75°	248.8
77.5°	199.9
80°	150.9
82.5°	110.1
85°	69.4
87.5°	28.5
90°	0.0



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— 0°-180°







(END OF REPORT)