

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: P252840

Luminaire Tested: **LE\_6B60D010R EC6B60709050 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252840  
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 EC6B60709050 6LBBA1MW  
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8277.5 lumens  
Efficiency: N/A  
Efficacy: 132.4 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

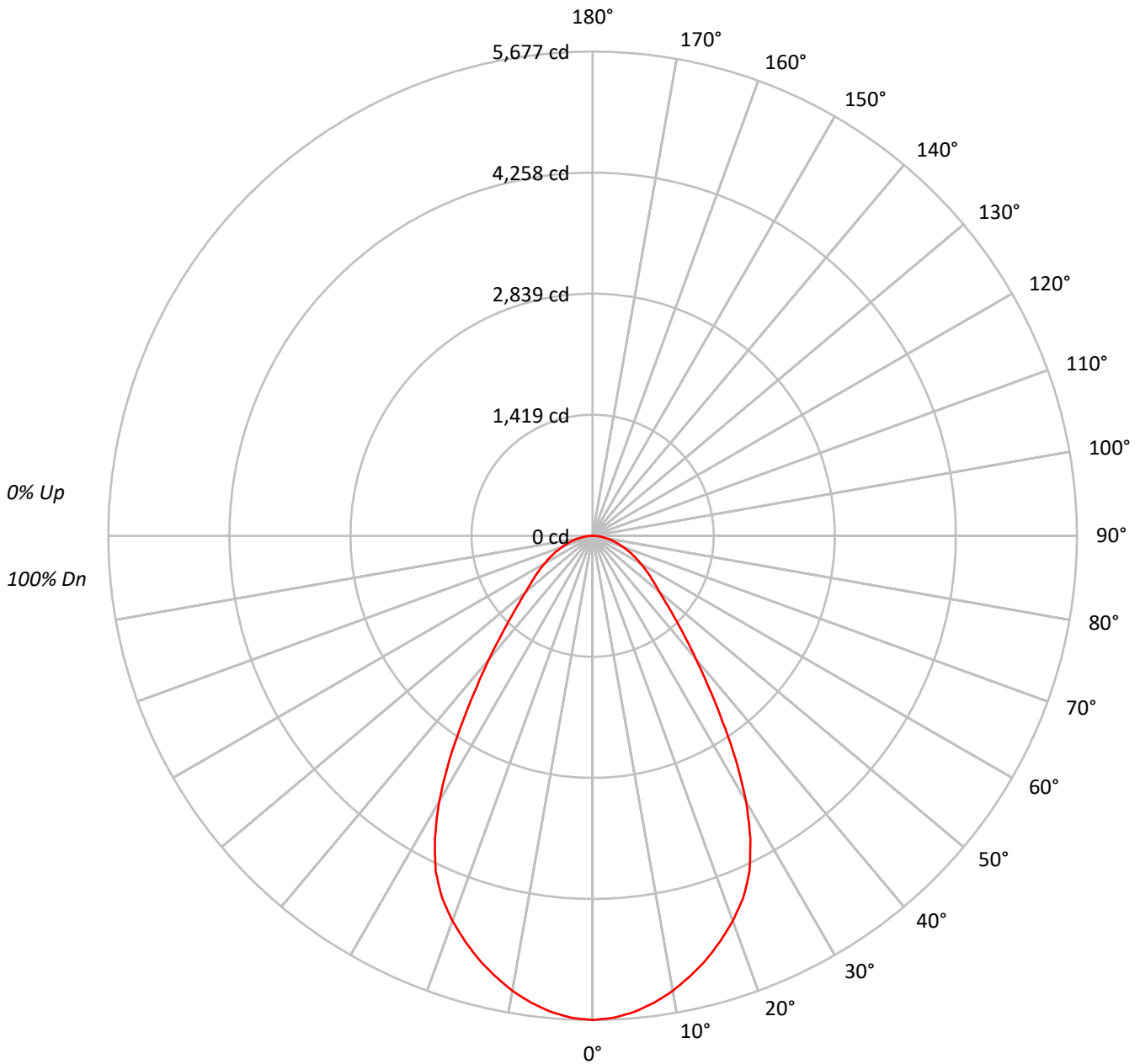
Input Watts (W): 62.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20				
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	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88			
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78			
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69			
4	90	80	72	67	87	78	72	66	76	70	66	74	69	65	72	68	64	62			
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	62	58	56			
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51			
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47			
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43			
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39			
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37			

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

	0°
0°	370397
5°	366998
10°	358913
15°	347511
20°	333475
25°	313056
30°	270899
35°	210914
40°	160316
45°	124963
50°	103648
55°	93031
60°	84695
65°	78143
70°	71818
75°	66547
80°	60150
85°	55093



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	528.9	6.4
10°-20°	1445.6	17.5
20°-30°	1968.9	23.8
30°-40°	1666.0	20.1
40°-50°	1068.8	12.9
50°-60°	735.5	8.9
60°-70°	502.4	6.1
70°-80°	279.6	3.4
80°-90°	81.8	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°	3943.4	47.6
0°-40°	5609.4	67.8
0°-60°	7413.7	89.6
0°-90°	8277.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8277.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5677	
5°	5604	529
15°	5145	1446
25°	4349	1969
35°	2648	1666
45°	1354	1069
55°	818	735
65°	506	502
75°	264	280
85°	74	82
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5677.4
2.5°	5655.8
5°	5603.9
7.5°	5521.6
10°	5417.8
12.5°	5287.9
15°	5145.1
17.5°	4980.8
20°	4803.2
22.5°	4604.2
25°	4348.9
27.5°	4002.8
30°	3596.0
32.5°	3128.6
35°	2648.2
37.5°	2228.5
40°	1882.4
42.5°	1592.4
45°	1354.4
47.5°	1168.4
50°	1021.2
52.5°	908.8
55°	817.9
57.5°	731.2
60°	649.1
62.5°	575.5
65°	506.2
67.5°	437.0
70°	376.5
72.5°	315.9
75°	264.0
77.5°	212.0
80°	160.1
82.5°	116.9
85°	73.6
87.5°	30.2
90°	0.0



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— 0°-180°







(END OF REPORT)