

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: P252832

Luminaire Tested: **LE\_6B60D010R EC6B60708035 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252832  
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 EC6B60708035 6LBBA1MW  
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9741.3 lumens  
Efficiency: N/A  
Efficacy: 155.9 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

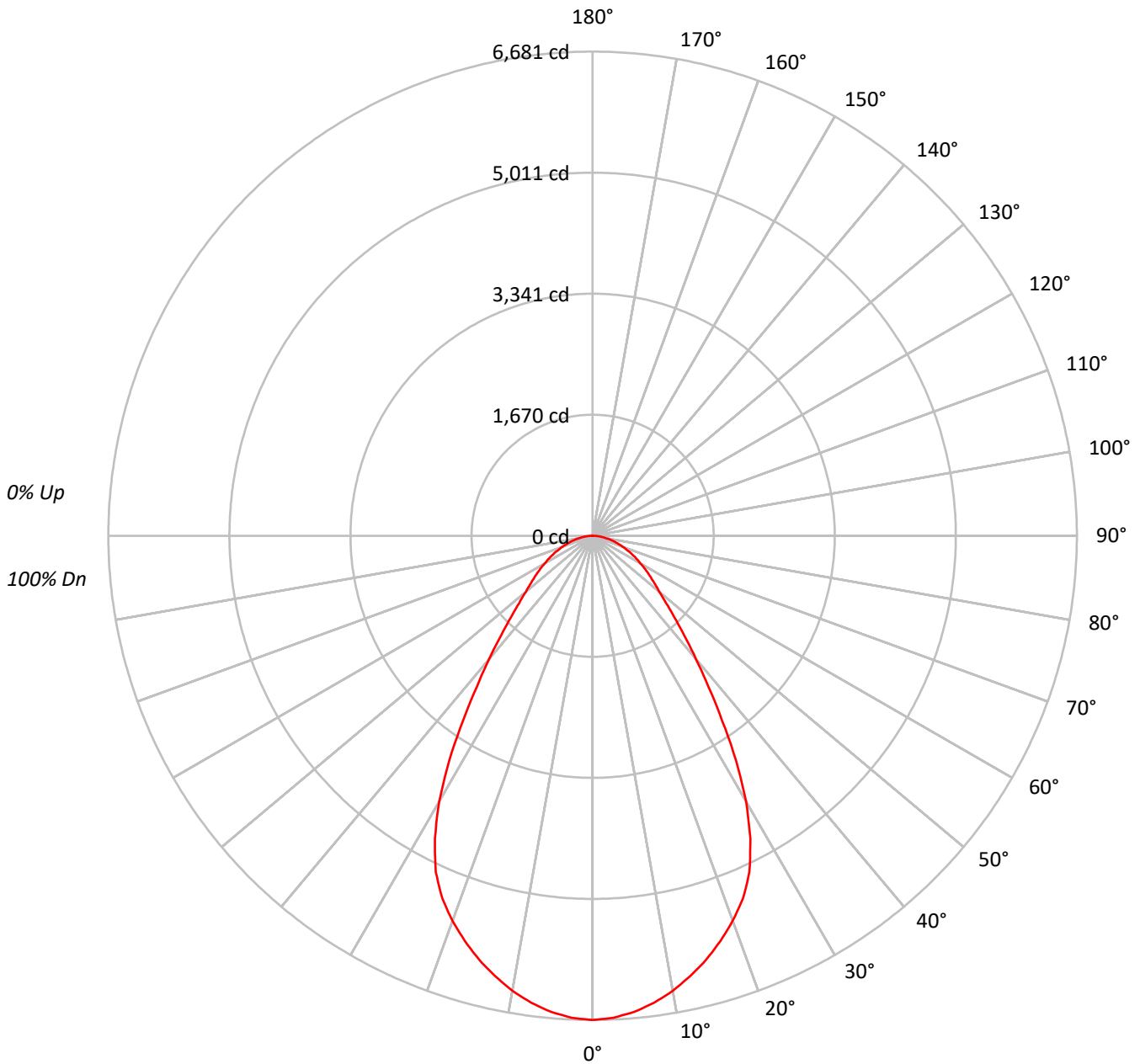
Input Watts (W): 62.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									
RC	80									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°	435899
5°	431892
10°	422378
15°	408967
20°	392447
25°	368420
30°	318803
35°	248219
40°	188659
45°	147069
50°	121989
55°	109478
60°	99675
65°	91991
70°	84503
75°	78293
80°	70783
85°	64825



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	622.5	6.4
10°-20°	1701.3	17.5
20°-30°	2317.0	23.8
30°-40°	1960.6	20.1
40°-50°	1257.8	12.9
50°-60°	865.5	8.9
60°-70°	591.3	6.1
70°-80°	329.0	3.4
80°-90°	96.3	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°	4640.7	47.6
0°-40°	6601.4	67.8
0°-60°	8724.7	89.6
0°-90°	9741.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9741.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6681	
5°	6595	622
15°	6055	1701
25°	5118	2317
35°	3117	1961
45°	1594	1258
55°	962	866
65°	596	591
75°	311	329
85°	87	96
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6681.4
2.5°	6655.9
5°	6594.8
7.5°	6498.0
10°	6375.8
12.5°	6223.0
15°	6055.0
17.5°	5861.5
20°	5652.6
22.5°	5418.4
25°	5118.0
27.5°	4710.5
30°	4231.9
32.5°	3681.9
35°	3116.6
37.5°	2622.6
40°	2215.2
42.5°	1874.0
45°	1594.0
47.5°	1375.0
50°	1201.9
52.5°	1069.4
55°	962.5
57.5°	860.6
60°	763.9
62.5°	677.2
65°	595.9
67.5°	514.4
70°	443.0
72.5°	371.8
75°	310.6
77.5°	249.5
80°	188.4
82.5°	137.5
85°	86.6
87.5°	35.6
90°	0.0



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— 0°-180°







(END OF REPORT)