

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: P252827

Luminaire Tested: **LE\_6B50D010R EC6B30509050 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252827  
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\_6B50D010R EC6B30509050 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: 7407.6 lumens  
Efficiency: N/A  
Efficacy: 126.0 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

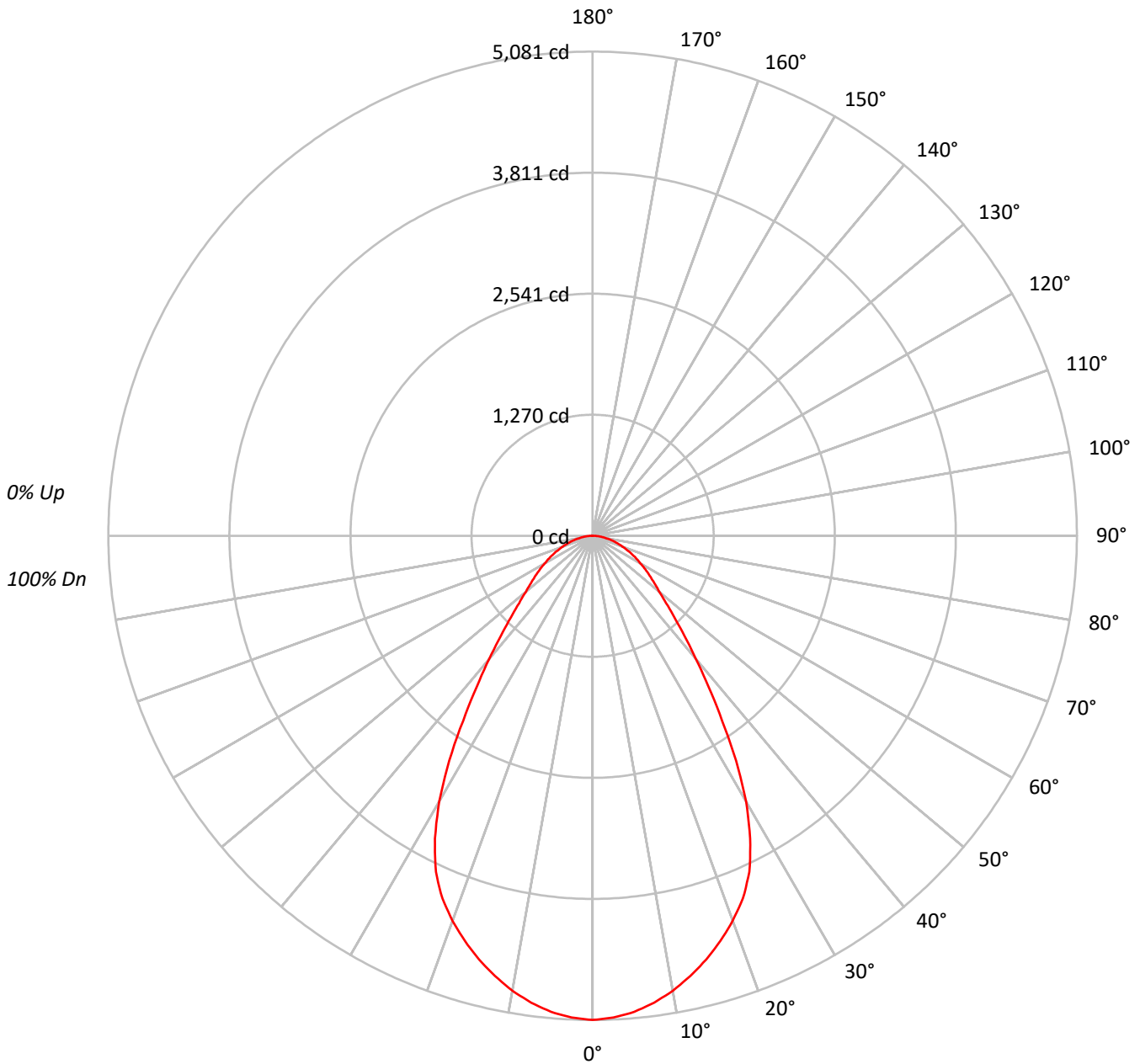
Input Watts (W): 58.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	331462
5°	328425
10°	321192
15°	310991
20°	298428
25°	280159
30°	242423
35°	188757
40°	143461
45°	111833
50°	92758
55°	83249
60°	75797
65°	69946
70°	64264
75°	59539
80°	53801
85°	49330



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	473.3	6.4
10°-20°	1293.7	17.5
20°-30°	1761.9	23.8
30°-40°	1490.9	20.1
40°-50°	956.5	12.9
50°-60°	658.2	8.9
60°-70°	449.6	6.1
70°-80°	250.2	3.4
80°-90°	73.2	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°	3528.9	47.6
0°-40°	5019.9	67.8
0°-60°	6634.5	89.6
0°-90°	7407.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7407.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5081	
5°	5015	473
15°	4604	1294
25°	3892	1762
35°	2370	1491
45°	1212	956
55°	732	658
65°	453	450
75°	236	250
85°	66	73
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5080.6
2.5°	5061.2
5°	5014.9
7.5°	4941.2
10°	4848.4
12.5°	4732.1
15°	4604.4
17.5°	4457.2
20°	4298.4
22.5°	4120.2
25°	3891.9
27.5°	3582.0
30°	3218.0
32.5°	2799.8
35°	2370.0
37.5°	1994.4
40°	1684.5
42.5°	1425.1
45°	1212.1
47.5°	1045.6
50°	913.9
52.5°	813.2
55°	731.9
57.5°	654.5
60°	580.9
62.5°	515.0
65°	453.1
67.5°	391.1
70°	336.9
72.5°	282.8
75°	236.2
77.5°	189.8
80°	143.2
82.5°	104.5
85°	65.9
87.5°	27.1
90°	0.0



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— 0°-180°







(END OF REPORT)