

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: P252829

Luminaire Tested: **LE\_6B50D010R EC6B30509730 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252829  
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 EC6B30509730 6LBBA1MW  
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 97CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6345.0 lumens  
Efficiency: N/A  
Efficacy: 107.9 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

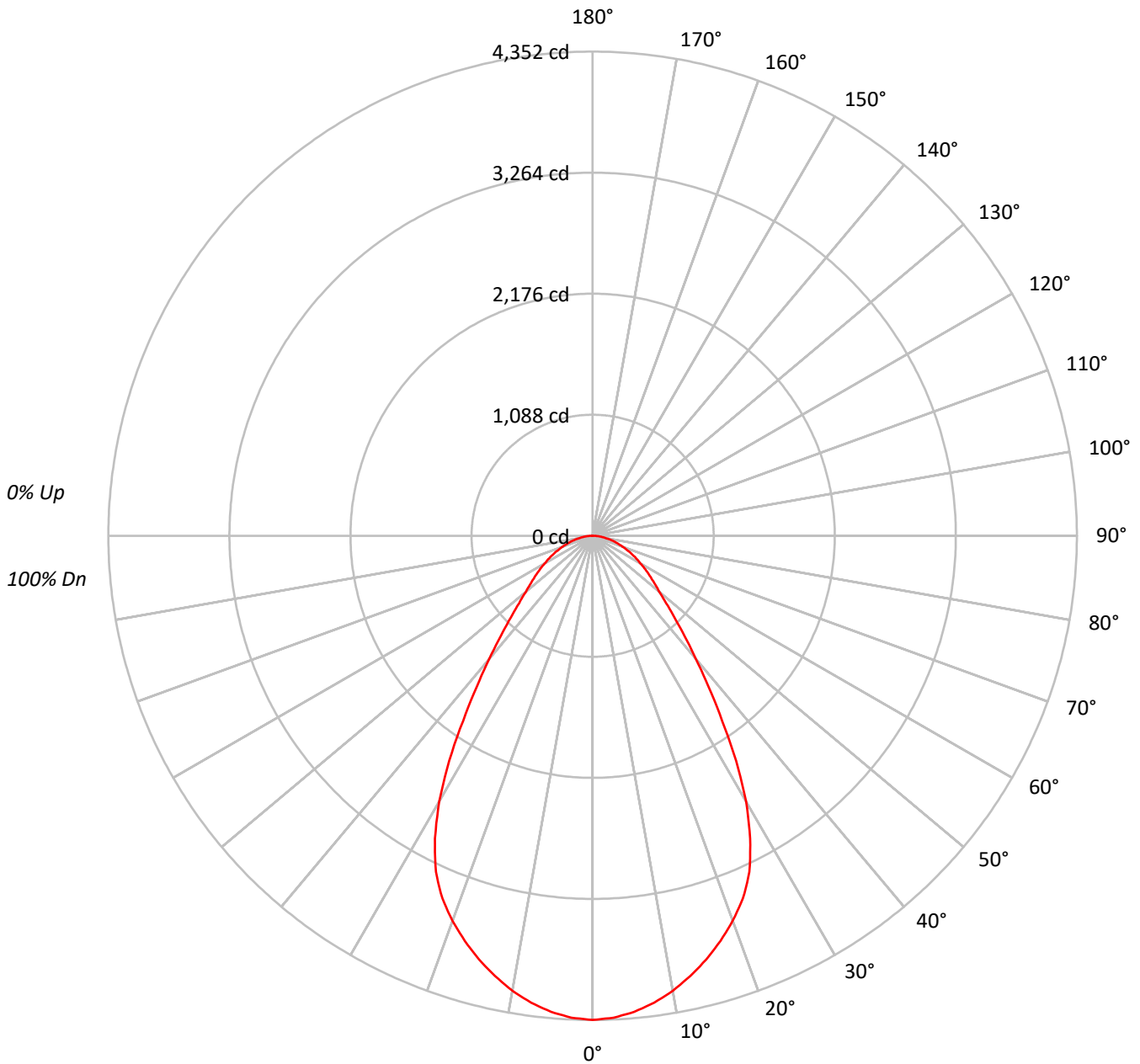
Input Watts (W): 58.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	283921
5°	281312
10°	275117
15°	266379
20°	255626
25°	239969
30°	207649
35°	161678
40°	122885
45°	95789
50°	79462
55°	71306
60°	64914
65°	59912
70°	55051
75°	51019
80°	46137
85°	42218



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	405.4	6.4
10°-20°	1108.1	17.5
20°-30°	1509.2	23.8
30°-40°	1277.1	20.1
40°-50°	819.3	12.9
50°-60°	563.8	8.9
60°-70°	385.1	6.1
70°-80°	214.3	3.4
80°-90°	62.7	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°	3022.8	47.6
0°-40°	4299.8	67.8
0°-60°	5682.8	89.6
0°-90°	6345.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6345.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4352	
5°	4296	405
15°	3944	1108
25°	3334	1509
35°	2030	1277
45°	1038	819
55°	627	564
65°	388	385
75°	202	214
85°	56	63
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4351.9
2.5°	4335.4
5°	4295.5
7.5°	4232.5
10°	4152.9
12.5°	4053.4
15°	3943.9
17.5°	3817.9
20°	3681.9
22.5°	3529.2
25°	3333.6
27.5°	3068.2
30°	2756.4
32.5°	2398.2
35°	2030.0
37.5°	1708.2
40°	1442.9
42.5°	1220.6
45°	1038.2
47.5°	895.6
50°	782.9
52.5°	696.6
55°	626.9
57.5°	560.6
60°	497.5
62.5°	441.1
65°	388.1
67.5°	335.0
70°	288.6
72.5°	242.1
75°	202.4
77.5°	162.5
80°	122.8
82.5°	89.5
85°	56.4
87.5°	23.2
90°	0.0



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— 0°-180°







(END OF REPORT)