

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: P252825

Luminaire Tested: **LE\_6B50D010R EC6B30509035 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252825  
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 EC6B30509035 6LBBA1MW  
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7363.8 lumens  
Efficiency: N/A  
Efficacy: 125.2 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

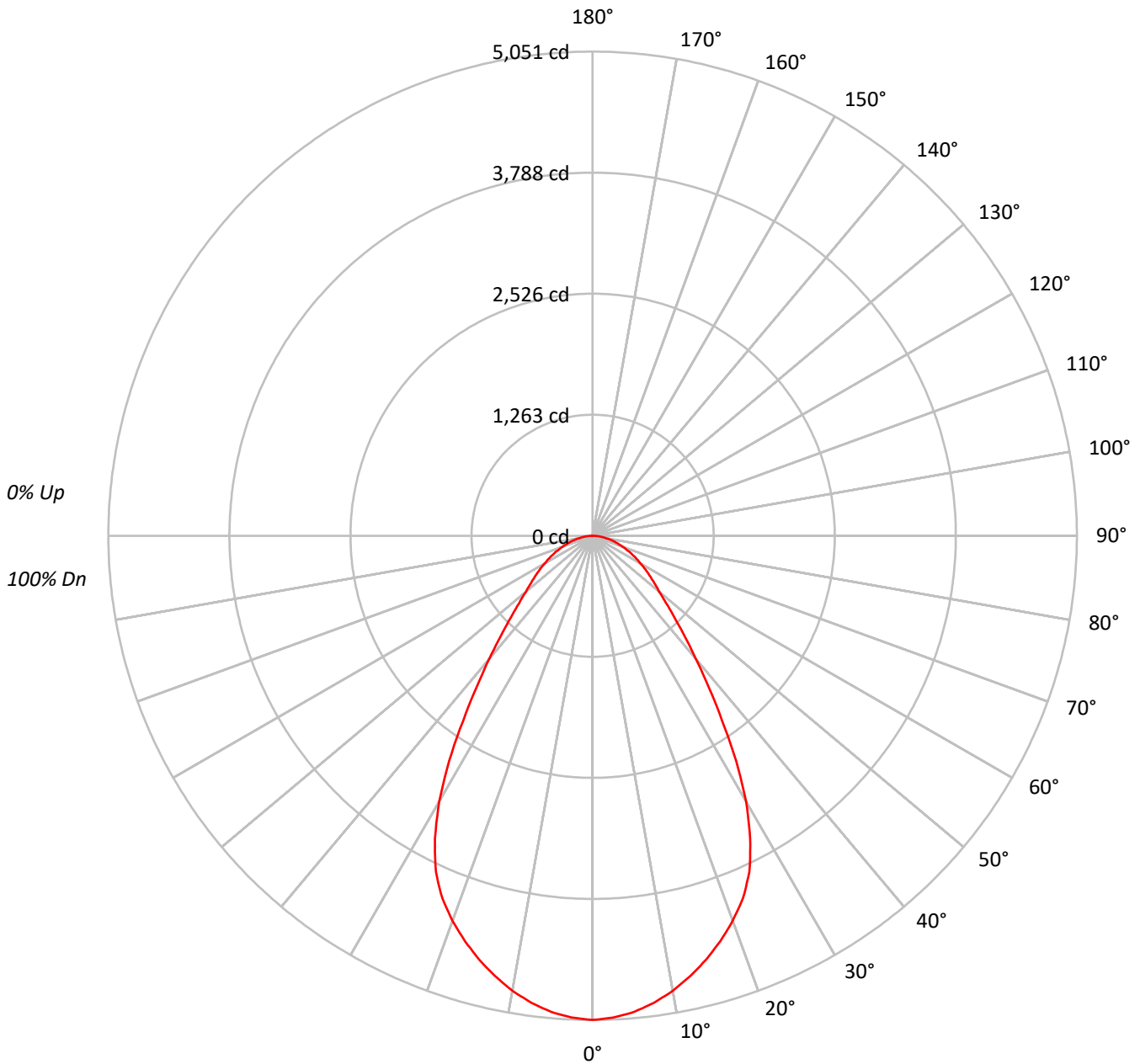
Input Watts (W): 58.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20				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°	329504
5°	326480
10°	319284
15°	309147
20°	296664
25°	278503
30°	240992
35°	187641
40°	142618
45°	111169
50°	92209
55°	82760
60°	75353
65°	69529
70°	63882
75°	59211
80°	53501
85°	49030



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	470.5	6.4
10°-20°	1286.0	17.5
20°-30°	1751.5	23.8
30°-40°	1482.1	20.1
40°-50°	950.8	12.9
50°-60°	654.3	8.9
60°-70°	447.0	6.1
70°-80°	248.7	3.4
80°-90°	72.8	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°	3508.1	47.6
0°-40°	4990.2	67.8
0°-60°	6595.3	89.6
0°-90°	7363.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7363.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5051	
5°	4985	471
15°	4577	1286
25°	3869	1752
35°	2356	1482
45°	1205	951
55°	728	654
65°	450	447
75°	235	249
85°	66	73
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5050.6
2.5°	5031.4
5°	4985.2
7.5°	4912.1
10°	4819.6
12.5°	4704.2
15°	4577.1
17.5°	4430.9
20°	4273.0
22.5°	4096.0
25°	3868.9
27.5°	3560.9
30°	3199.0
32.5°	2783.2
35°	2356.0
37.5°	1982.5
40°	1674.6
42.5°	1416.6
45°	1204.9
47.5°	1039.4
50°	908.5
52.5°	808.4
55°	727.6
57.5°	650.6
60°	577.5
62.5°	512.0
65°	450.4
67.5°	388.8
70°	334.9
72.5°	281.0
75°	234.9
77.5°	188.6
80°	142.4
82.5°	104.0
85°	65.5
87.5°	27.0
90°	0.0



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— 0°-180°







(END OF REPORT)