

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: P252810

Luminaire Tested: **LE\_6B40D010 EC6B30509027 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252810  
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\_6B40D010 EC6B30509027 6LBBA1MW  
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5457.5 lumens  
Efficiency: N/A  
Efficacy: 126.9 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

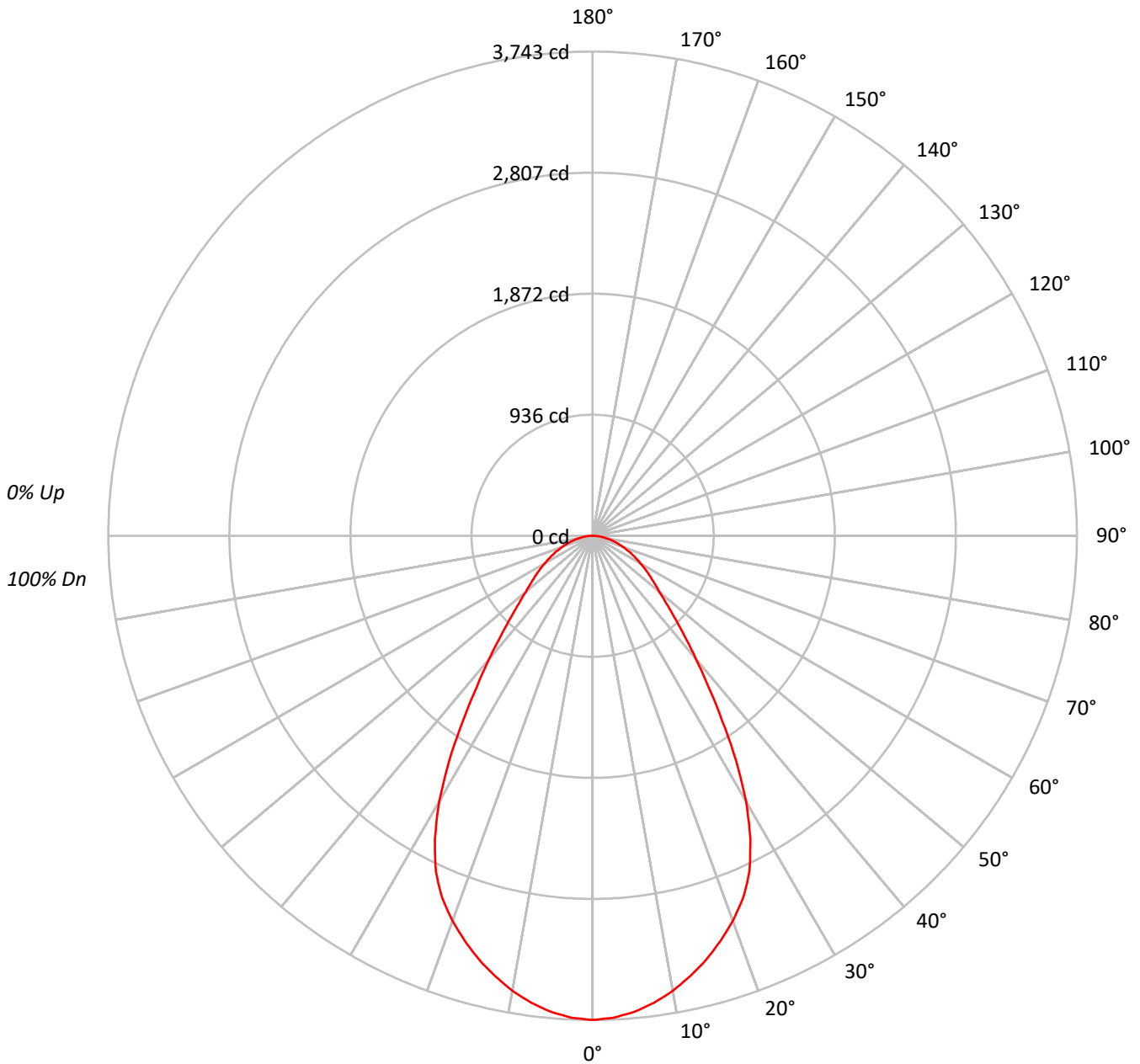
Input Watts (W): 43  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	244209
5°	241972
10°	236635
15°	229116
20°	219870
25°	206396
30°	178608
35°	139067
40°	105699
45°	82392
50°	68348
55°	61331
60°	55846
65°	51530
70°	47344
75°	43860
80°	39675
85°	36305



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	348.7	6.4
10°-20°	953.1	17.5
20°-30°	1298.1	23.8
30°-40°	1098.5	20.1
40°-50°	704.7	12.9
50°-60°	484.9	8.9
60°-70°	331.3	6.1
70°-80°	184.3	3.4
80°-90°	53.9	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°	2599.9	47.6
0°-40°	3698.4	67.8
0°-60°	4888.0	89.6
0°-90°	5457.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5457.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3743	
5°	3695	349
15°	3392	953
25°	2867	1298
35°	1746	1098
45°	893	705
55°	539	485
65°	334	331
75°	174	184
85°	48	54
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3743.2
2.5°	3728.9
5°	3694.8
7.5°	3640.5
10°	3572.0
12.5°	3486.4
15°	3392.2
17.5°	3283.9
20°	3166.9
22.5°	3035.6
25°	2867.2
27.5°	2639.1
30°	2370.9
32.5°	2062.8
35°	1746.1
37.5°	1469.4
40°	1241.1
42.5°	1049.9
45°	893.0
47.5°	770.4
50°	673.4
52.5°	599.1
55°	539.2
57.5°	482.1
60°	428.0
62.5°	379.5
65°	333.8
67.5°	288.1
70°	248.2
72.5°	208.2
75°	174.0
77.5°	139.8
80°	105.6
82.5°	77.0
85°	48.5
87.5°	20.0
90°	0.0



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— 0°-180°







(END OF REPORT)