

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: P252752

Luminaire Tested: **LE\_6B10D010 EC6B10208027 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252752  
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\_6B10D010 EC6B10208027 6LBBA1MW  
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1617.5 lumens  
Efficiency: N/A  
Efficacy: 161.7 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

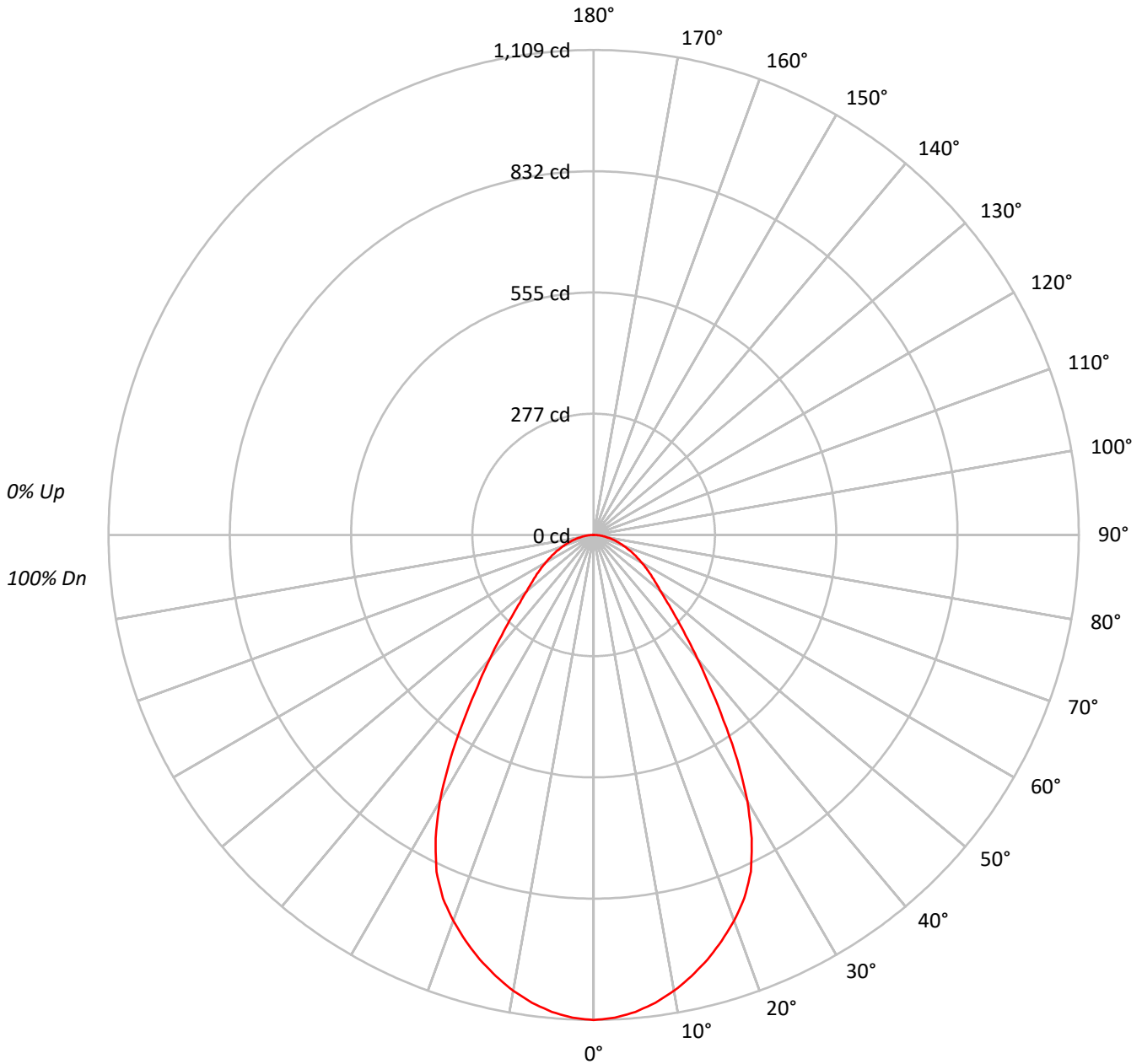
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	72378
5°	71711
10°	70129
15°	67907
20°	65165
25°	61180
30°	52929
35°	41216
40°	31332
45°	24413
50°	20249
55°	18188
60°	16558
65°	15267
70°	14039
75°	13007
80°	11722
85°	10779



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.4	6.4
10°-20°	282.5	17.5
20°-30°	384.7	23.8
30°-40°	325.6	20.1
40°-50°	208.8	12.9
50°-60°	143.7	8.9
60°-70°	98.2	6.1
70°-80°	54.6	3.4
80°-90°	16.0	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°	770.6	47.6
0°-40°	1096.1	67.8
0°-60°	1448.7	89.6
0°-90°	1617.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1617.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1109	
5°	1095	103
15°	1005	282
25°	850	385
35°	518	326
45°	265	209
55°	160	144
65°	99	98
75°	52	55
85°	14	16
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1109.4
2.5°	1105.1
5°	1095.0
7.5°	1079.0
10°	1058.6
12.5°	1033.2
15°	1005.4
17.5°	973.2
20°	938.6
22.5°	899.8
25°	849.9
27.5°	782.1
30°	702.6
32.5°	611.4
35°	517.5
37.5°	435.5
40°	367.9
42.5°	311.1
45°	264.6
47.5°	228.2
50°	199.5
52.5°	177.6
55°	159.9
57.5°	142.9
60°	126.9
62.5°	112.5
65°	98.9
67.5°	85.4
70°	73.6
72.5°	61.8
75°	51.6
77.5°	41.4
80°	31.2
82.5°	22.9
85°	14.4
87.5°	5.9
90°	0.0



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— 0°-180°







(END OF REPORT)