

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: P252790

Luminaire Tested: **LE\_6B20D010 EC6B10209730 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252790  
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\_6B20D010 EC6B10209730 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: 2420.0 lumens  
Efficiency: N/A  
Efficacy: 116.3 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

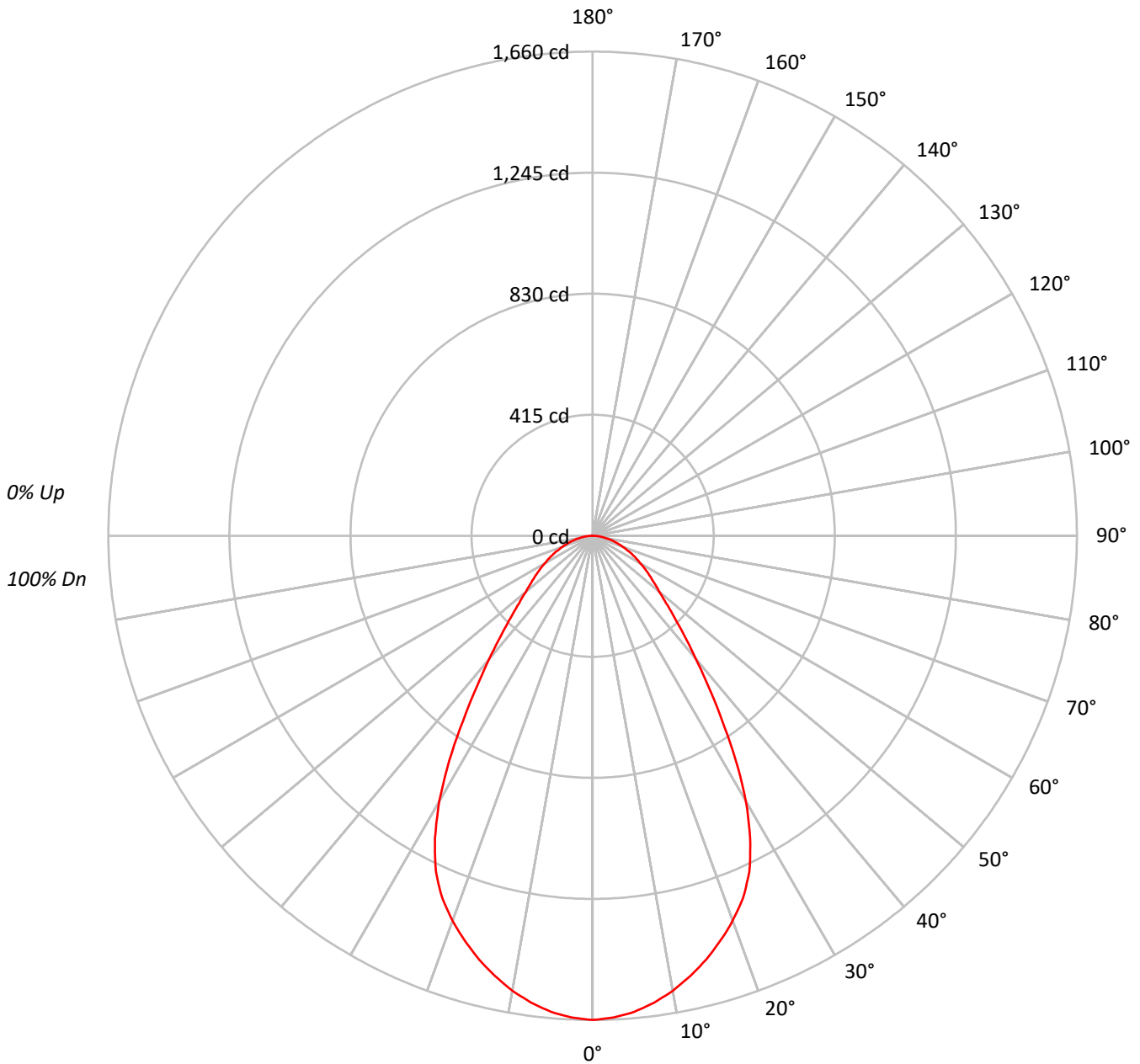
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P252790

CATALOG NUMBER: LE\_6B20D010 EC6B10209730 6LBBA1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P252790

CATALOG NUMBER: LE\_6B20D010 EC6B10209730 6LBBA1MW

**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°	108293
5°	107299
10°	104929
15°	101597
20°	97490
25°	91529
30°	79190
35°	61660
40°	46875
45°	36537
50°	30307
55°	27196
60°	24765
65°	22847
70°	21002
75°	19435
80°	17583
85°	16094



TEST NUMBER: P252790

CATALOG NUMBER: LE\_6B20D010 EC6B10209730 6LBBA1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.6	6.4
10°-20°	422.6	17.5
20°-30°	575.6	23.8
30°-40°	487.1	20.1
40°-50°	312.5	12.9
50°-60°	215.0	8.9
60°-70°	146.9	6.1
70°-80°	81.7	3.4
80°-90°	23.9	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°	1152.9	47.6
0°-40°	1639.9	67.8
0°-60°	2167.4	89.6
0°-90°	2420.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2420.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1660	
5°	1638	155
15°	1504	423
25°	1272	576
35°	774	487
45°	396	312
55°	239	215
65°	148	147
75°	77	82
85°	22	24
90°	0	



TEST NUMBER: P252790

CATALOG NUMBER: LE\_6B20D010 EC6B10209730 6LBBA1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1659.9
2.5°	1653.5
5°	1638.4
7.5°	1614.2
10°	1583.9
12.5°	1546.0
15°	1504.2
17.5°	1456.1
20°	1404.2
22.5°	1346.1
25°	1271.5
27.5°	1170.2
30°	1051.2
32.5°	914.6
35°	774.2
37.5°	651.5
40°	550.4
42.5°	465.6
45°	396.0
47.5°	341.6
50°	298.6
52.5°	265.6
55°	239.1
57.5°	213.8
60°	189.8
62.5°	168.2
65°	148.0
67.5°	127.8
70°	110.1
72.5°	92.4
75°	77.1
77.5°	62.0
80°	46.8
82.5°	34.1
85°	21.5
87.5°	8.9
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)