

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: P252798

Luminaire Tested: **LE\_6B30D010 EC6B30509030 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252798  
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\_6B30D010 EC6B30509030 6LBBA1MW  
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4013.7 lumens  
Efficiency: N/A  
Efficacy: 143.3 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

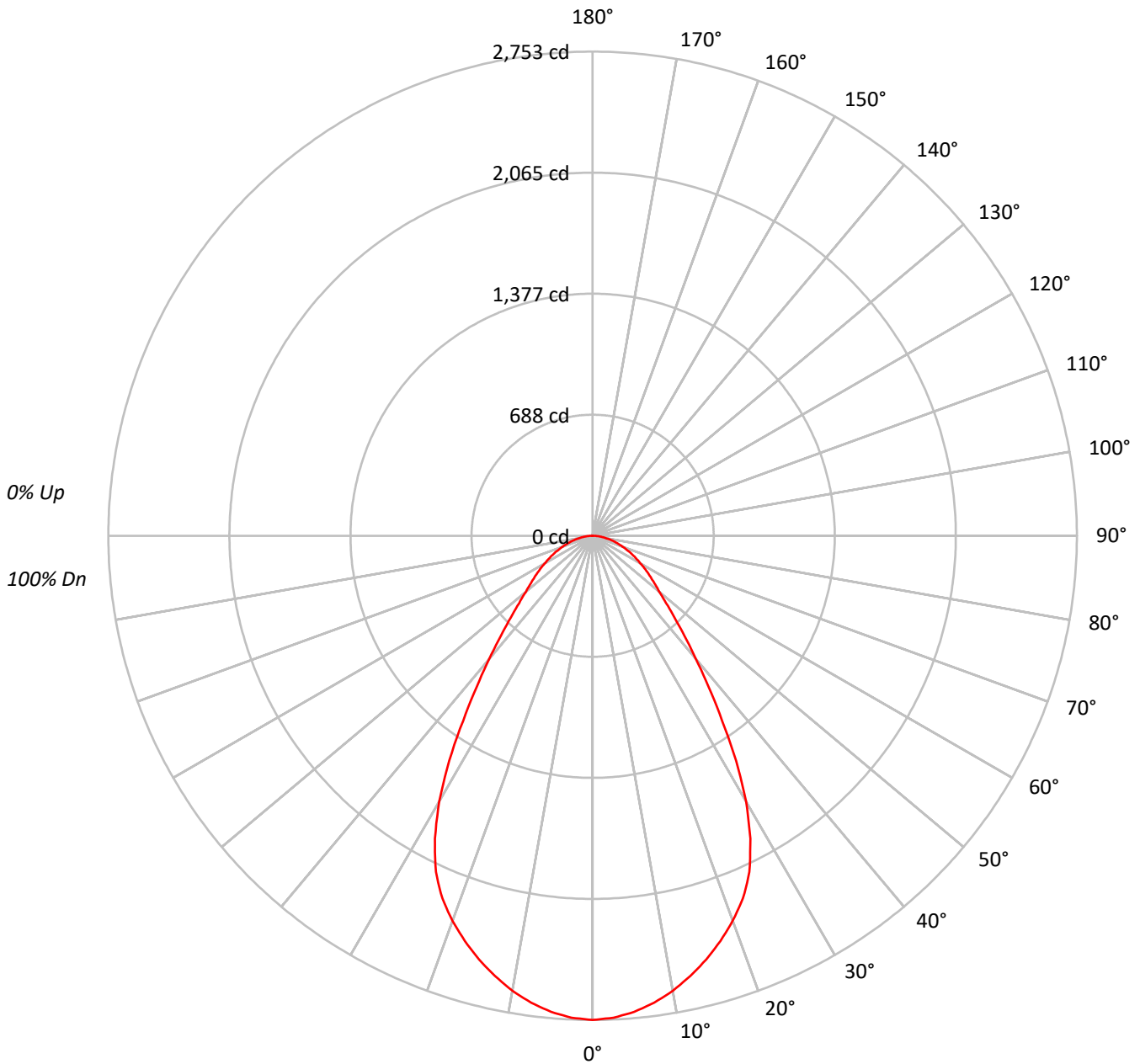
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P252798

CATALOG NUMBER: LE\_6B30D010 EC6B30509030 6LBBA1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P252798

CATALOG NUMBER: LE\_6B30D010 EC6B30509030 6LBBA1MW

**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°	179607
5°	177949
10°	174031
15°	168511
20°	161704
25°	151802
30°	131351
35°	102271
40°	77739
45°	60599
50°	50261
55°	45111
60°	41075
65°	37898
70°	34812
75°	32265
80°	29155
85°	26648



TEST NUMBER: P252798

CATALOG NUMBER: LE\_6B30D010 EC6B30509030 6LBBA1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	256.5	6.4
10°-20°	701.0	17.5
20°-30°	954.7	23.8
30°-40°	807.8	20.1
40°-50°	518.2	12.9
50°-60°	356.6	8.9
60°-70°	243.6	6.1
70°-80°	135.6	3.4
80°-90°	39.7	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°	1912.1	47.6
0°-40°	2720.0	67.8
0°-60°	3594.9	89.6
0°-90°	4013.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4013.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2753	
5°	2717	256
15°	2495	701
25°	2109	955
35°	1284	808
45°	657	518
55°	397	357
65°	246	244
75°	128	136
85°	36	40
90°	0	



TEST NUMBER: P252798

CATALOG NUMBER: LE\_6B30D010 EC6B30509030 6LBBA1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2753.0
2.5°	2742.5
5°	2717.2
7.5°	2677.4
10°	2627.0
12.5°	2564.1
15°	2494.9
17.5°	2415.1
20°	2329.1
22.5°	2232.6
25°	2108.8
27.5°	1940.9
30°	1743.6
32.5°	1517.1
35°	1284.1
37.5°	1080.6
40°	912.8
42.5°	772.1
45°	656.8
47.5°	566.5
50°	495.2
52.5°	440.6
55°	396.6
57.5°	354.6
60°	314.8
62.5°	279.1
65°	245.5
67.5°	211.9
70°	182.5
72.5°	153.1
75°	128.0
77.5°	102.9
80°	77.6
82.5°	56.6
85°	35.6
87.5°	14.8
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)