

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: P252772

Luminaire Tested: **LE\_6B15D010 EC6B10209030 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252772  
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\_6B15D010 EC6B10209030 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: 1992.5 lumens  
Efficiency: N/A  
Efficacy: 138.4 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

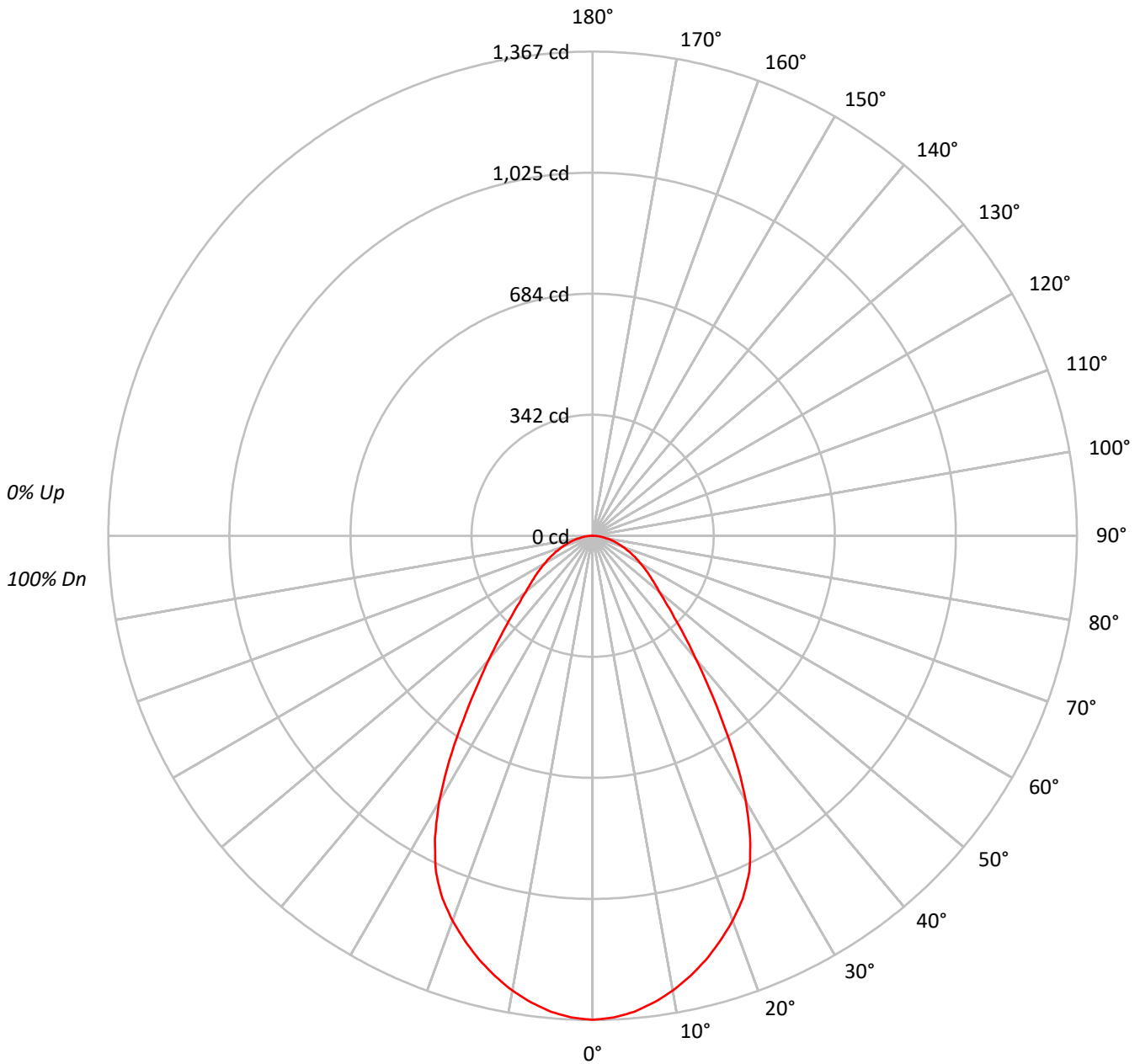
Input Watts (W): 14.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	89158
5°	88339
10°	86393
15°	83651
20°	80272
25°	75361
30°	65209
35°	50773
40°	38589
45°	30078
50°	24958
55°	22396
60°	20381
65°	18818
70°	17282
75°	16006
80°	14465
85°	13324



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.3	6.4
10°-20°	348.0	17.5
20°-30°	473.9	23.8
30°-40°	401.0	20.1
40°-50°	257.3	12.9
50°-60°	177.1	8.9
60°-70°	120.9	6.1
70°-80°	67.3	3.4
80°-90°	19.7	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°	949.2	47.6
0°-40°	1350.3	67.8
0°-60°	1784.6	89.6
0°-90°	1992.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1992.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1367	
5°	1349	127
15°	1238	348
25°	1047	474
35°	638	401
45°	326	257
55°	197	177
65°	122	121
75°	64	67
85°	18	20
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1366.6
2.5°	1361.4
5°	1348.9
7.5°	1329.1
10°	1304.1
12.5°	1272.9
15°	1238.5
17.5°	1198.9
20°	1156.2
22.5°	1108.2
25°	1046.9
27.5°	963.5
30°	865.6
32.5°	753.1
35°	637.5
37.5°	536.5
40°	453.1
42.5°	383.4
45°	326.0
47.5°	281.2
50°	245.9
52.5°	218.8
55°	196.9
57.5°	176.0
60°	156.2
62.5°	138.5
65°	121.9
67.5°	105.2
70°	90.6
72.5°	76.0
75°	63.5
77.5°	51.0
80°	38.5
82.5°	28.1
85°	17.8
87.5°	7.2
90°	0.0



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— 0°-180°







(END OF REPORT)