

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: P252755

Luminaire Tested: **LE\_6B10D010 EC6B10208040 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252755  
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 EC6B10208040 6LBBA1MW  
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1751.3 lumens  
Efficiency: N/A  
Efficacy: 175.1 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

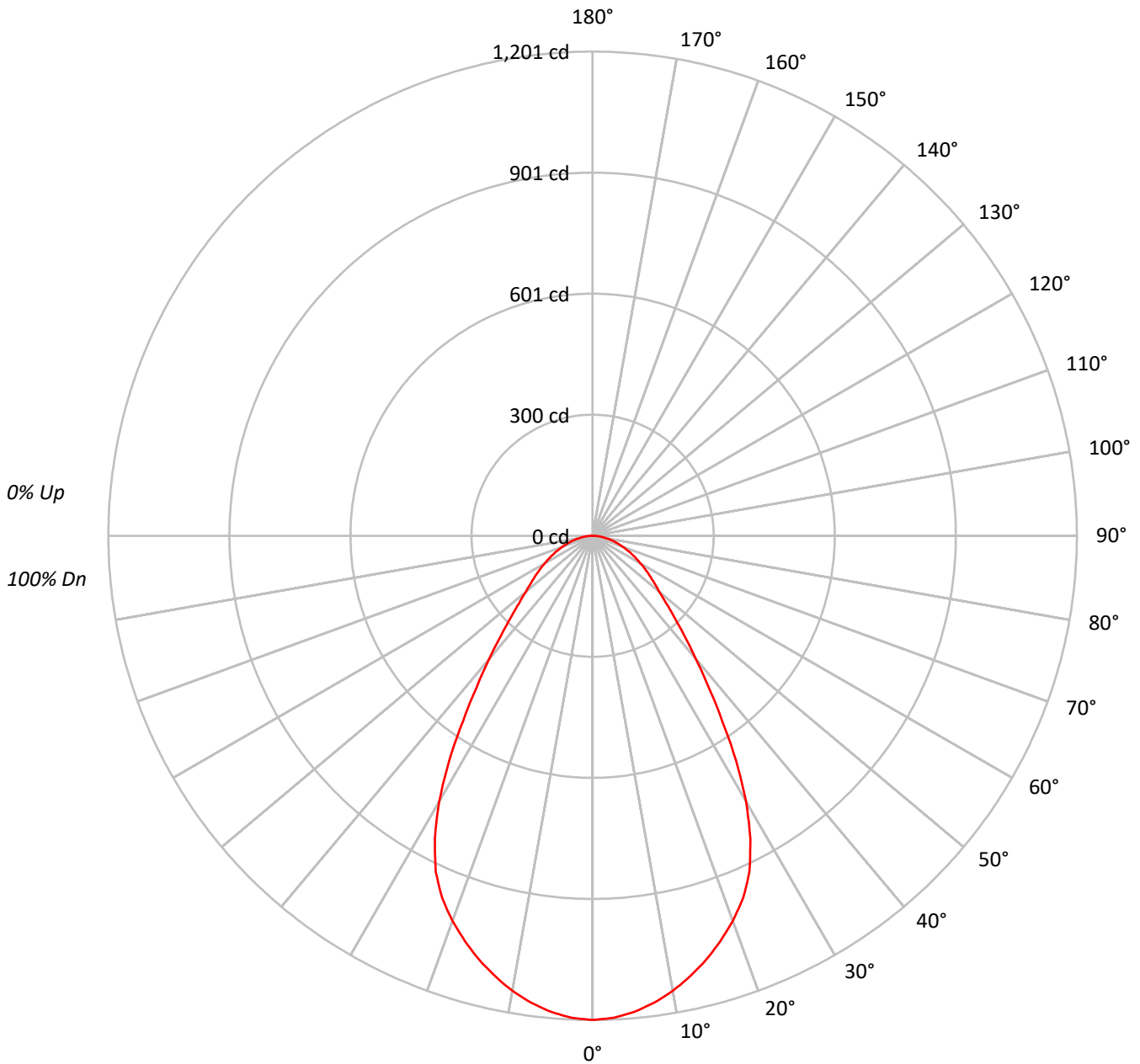
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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			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°	78361
5°	77645
10°	75932
15°	73520
20°	70552
25°	66233
30°	57314
35°	44617
40°	33913
45°	26434
50°	21923
55°	19678
60°	17928
65°	16533
70°	15184
75°	14091
80°	12736
85°	11677



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.9	6.4
10°-20°	305.8	17.5
20°-30°	416.6	23.8
30°-40°	352.5	20.1
40°-50°	226.1	12.9
50°-60°	155.6	8.9
60°-70°	106.3	6.1
70°-80°	59.2	3.4
80°-90°	17.3	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°	834.3	47.6
0°-40°	1186.8	67.8
0°-60°	1568.5	89.6
0°-90°	1751.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1751.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1201	
5°	1186	112
15°	1088	306
25°	920	417
35°	560	352
45°	286	226
55°	173	156
65°	107	106
75°	56	59
85°	16	17
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1201.1
2.5°	1196.6
5°	1185.6
7.5°	1168.2
10°	1146.2
12.5°	1118.8
15°	1088.5
17.5°	1053.8
20°	1016.2
22.5°	974.1
25°	920.1
27.5°	846.9
30°	760.8
32.5°	661.9
35°	560.2
37.5°	471.5
40°	398.2
42.5°	336.9
45°	286.5
47.5°	247.2
50°	216.0
52.5°	192.2
55°	173.0
57.5°	154.8
60°	137.4
62.5°	121.8
65°	107.1
67.5°	92.5
70°	79.6
72.5°	66.9
75°	55.9
77.5°	44.9
80°	33.9
82.5°	24.8
85°	15.6
87.5°	6.4
90°	0.0



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— 0°-180°







(END OF REPORT)