

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: P204118

Luminaire Tested: **LE\_6B60D010R EC6B60709030 6LBNMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P204118  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LE\_6B60D010R EC6B60709030 6LBNMW1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
NARROW DISTRIBUTION WITH MATTE WHITE TRIM  
SINGLE DRIVER D010TE  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4601.6 lumens  
Efficiency: N/A  
Efficacy: 73.6 lumens/watt  
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.97  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

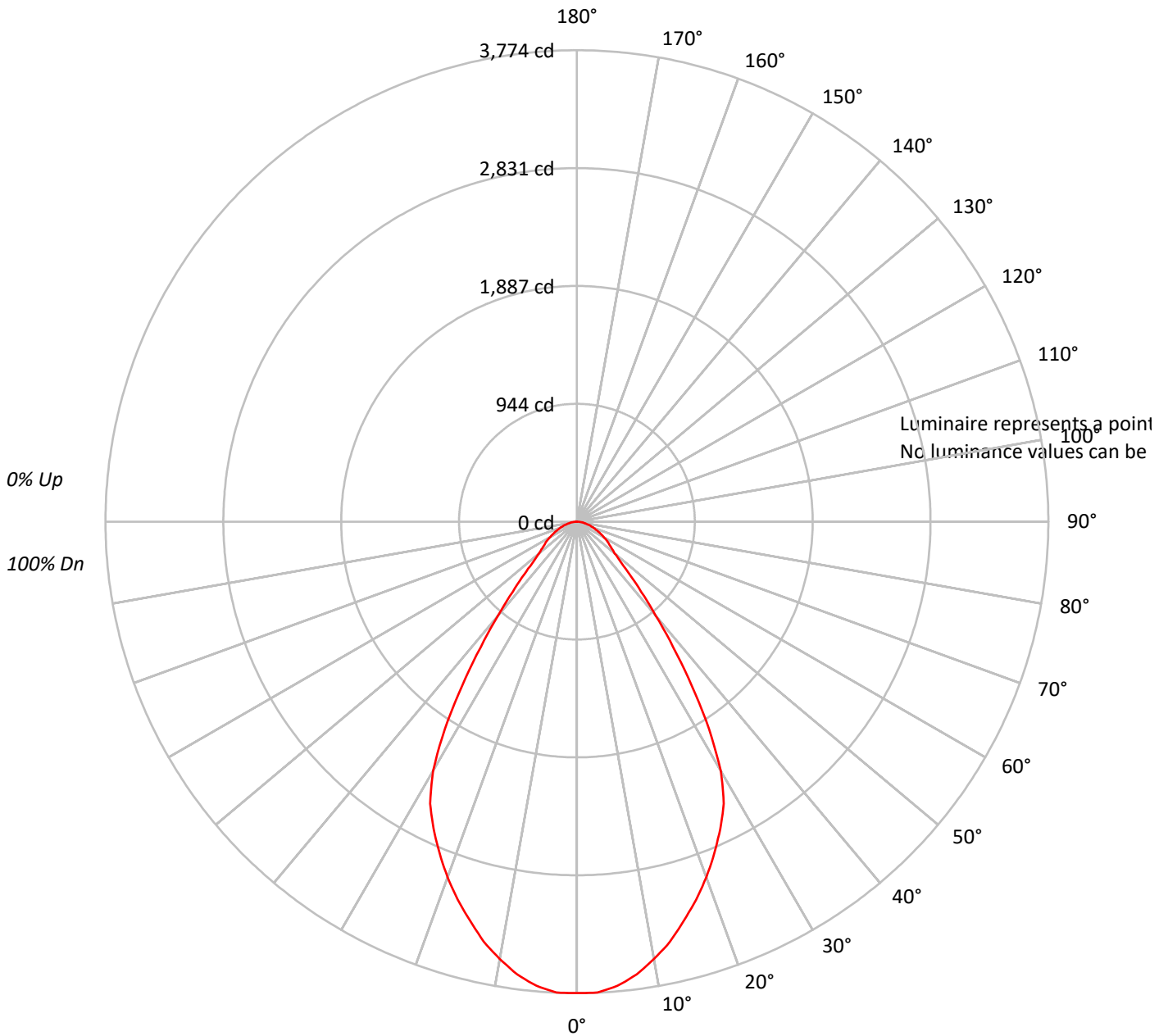
Input Watts (W): 62.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	112	108	105	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90																																				
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81																																				
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73																																				
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66																																				
5	87	77	70	64	85	76	69	64	74	68	64	72	67	63	70	66	62	61																																				
6	81	71	64	59	80	70	63	59	68	63	58	67	62	58	66	61	57	56																																				
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51																																				
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47																																				
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44																																				
10	65	54	47	43	64	54	47	43	53	47	43	52	46	43	51	46	43	41																																				

**AVERAGE LUMINANCE (cd/sqm):**





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	350.4	7.6
10°-20°	928.9	20.2
20°-30°	1240.1	26.9
30°-40°	1000.5	21.7
40°-50°	479.5	10.4
50°-60°	284.2	6.2
60°-70°	188.9	4.1
70°-80°	101.2	2.2
80°-90°	27.9	0.6
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°	2519.4	54.8
0°-40°	3519.9	76.5
0°-60°	4283.5	93.1
0°-90°	4601.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4601.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3774	
5°	3730	350
15°	3306	929
25°	2713	1240
35°	1602	1000
45°	592	479
55°	314	284
65°	190	189
75°	95	101
85°	22	28
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3773.8
2.5°	3773.8
5°	3729.9
7.5°	3656.8
10°	3554.4
12.5°	3444.6
15°	3305.8
17.5°	3174.1
20°	3027.8
22.5°	2874.2
25°	2713.4
27.5°	2545.1
30°	2303.8
32.5°	1967.4
35°	1601.6
37.5°	1265.2
40°	980.0
42.5°	760.6
45°	592.4
47.5°	468.1
50°	394.9
52.5°	351.0
55°	314.5
57.5°	285.2
60°	248.6
62.5°	219.4
65°	190.1
67.5°	160.9
70°	139.0
72.5°	117.0
75°	95.1
77.5°	73.1
80°	58.5
82.5°	43.9
85°	22.0
87.5°	7.4
90°	0.0



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— 0°-180°







(END OF REPORT)