

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: P205129

Luminaire Tested: **LE\_6B50D010R EC6B30508035 6LBMLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P205129  
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\_6B50D010R EC6B30508035 6LBML1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
MEDIUM DISTRIBUTION WITH SPECULAR CLEAR TRIM  
SINGLE DRIVER D010TE  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6131.6 lumens  
Efficiency: N/A  
Efficacy: 104.3 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

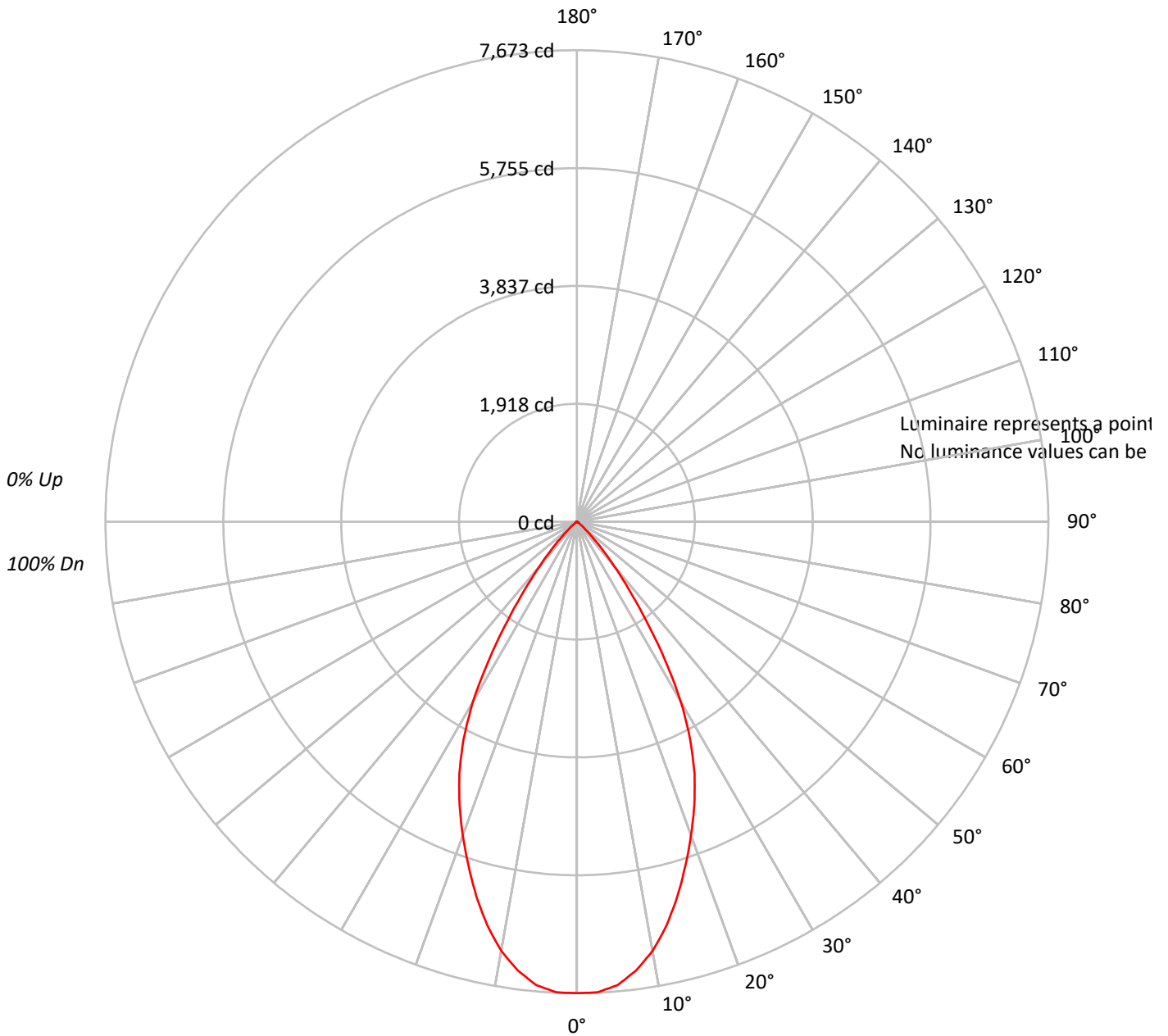
Input Watts (W): 58.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94		
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88		
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82		
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76		
5	93	85	79	75	91	84	79	75	82	78	74	81	77	73	79	76	73	71		
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67		
7	84	75	69	65	83	75	69	65	73	68	65	72	68	64	71	67	64	63		
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55		
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52		

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	706.9	11.5
10°-20°	1759.9	28.7
20°-30°	2045.8	33.4
30°-40°	1252.8	20.4
40°-50°	311.1	5.1
50°-60°	36.4	0.6
60°-70°	13.6	0.2
70°-80°	5.2	0.1
80°-90°	0.0	0.0
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°	4512.6	73.6
0°-40°	5765.4	94.0
0°-60°	6112.9	99.7
0°-90°	6131.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6131.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7673	
5°	7571	707
15°	6316	1760
25°	4527	2046
35°	1962	1253
45°	345	311
55°	31	36
65°	16	14
75°	8	5
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7673.4
2.5°	7665.6
5°	7571.4
7.5°	7367.4
10°	7092.9
12.5°	6731.9
15°	6316.0
17.5°	5868.9
20°	5429.5
22.5°	4990.1
25°	4527.1
27.5°	3993.6
30°	3381.6
32.5°	2667.6
35°	1961.5
37.5°	1380.9
40°	941.5
42.5°	588.5
45°	345.2
47.5°	196.1
50°	102.0
52.5°	47.1
55°	31.4
57.5°	23.5
60°	23.5
62.5°	15.8
65°	15.8
67.5°	7.9
70°	7.9
72.5°	7.9
75°	7.9
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)