

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: P203274

Luminaire Tested: **LE\_6B50D010R EC6B30508027 6LBMH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203274  
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 EC6B30508027 6LBMH1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
MEDIUM DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM  
SINGLE DRIVER D010TE  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4671.7 lumens  
Efficiency: N/A  
Efficacy: 79.5 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

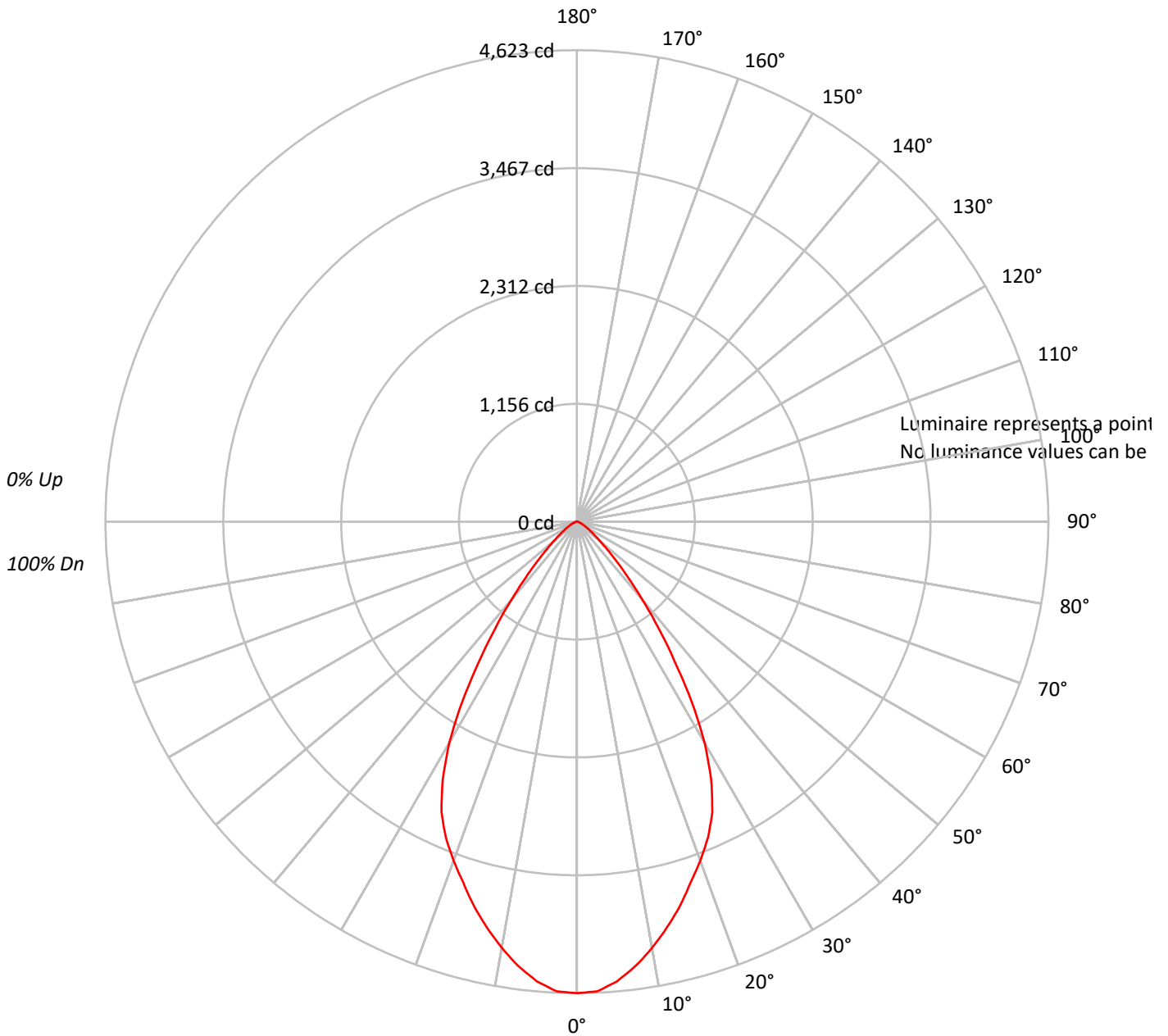
Input Watts (W): 58.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92		
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85		
3	101	94	88	84	99	92	87	84	90	86	82	87	84	81	85	82	80	78		
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72		
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66		
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61		
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57		
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53		
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49		
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46		

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	422.7	9.0
10°-20°	1093.6	23.4
20°-30°	1417.0	30.3
30°-40°	1052.0	22.5
40°-50°	444.1	9.5
50°-60°	157.7	3.4
60°-70°	60.9	1.3
70°-80°	21.1	0.5
80°-90°	2.7	0.1
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°	2933.2	62.8
0°-40°	3985.2	85.3
0°-60°	4587.0	98.2
0°-90°	4671.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4671.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4623	
5°	4523	423
15°	3903	1094
25°	3142	1417
35°	1668	1052
45°	547	444
55°	167	158
65°	60	61
75°	20	21
85°	0	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4623.2
2.5°	4609.9
5°	4523.1
7.5°	4396.4
10°	4242.9
12.5°	4076.1
15°	3902.8
17.5°	3709.2
20°	3535.8
22.5°	3355.6
25°	3142.1
27.5°	2848.6
30°	2501.8
32.5°	2094.8
35°	1667.9
37.5°	1307.6
40°	994.0
42.5°	740.5
45°	547.0
47.5°	400.2
50°	293.5
52.5°	220.1
55°	166.8
57.5°	126.8
60°	100.1
62.5°	73.4
65°	60.0
67.5°	46.8
70°	33.4
72.5°	26.6
75°	20.0
77.5°	13.4
80°	6.6
82.5°	6.6
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)