

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: P203283

Luminaire Tested: **LE\_6B50D010R EC6B30509040 6LBMH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203283  
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 EC6B30509040 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: 4237.6 lumens  
Efficiency: N/A  
Efficacy: 72.1 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

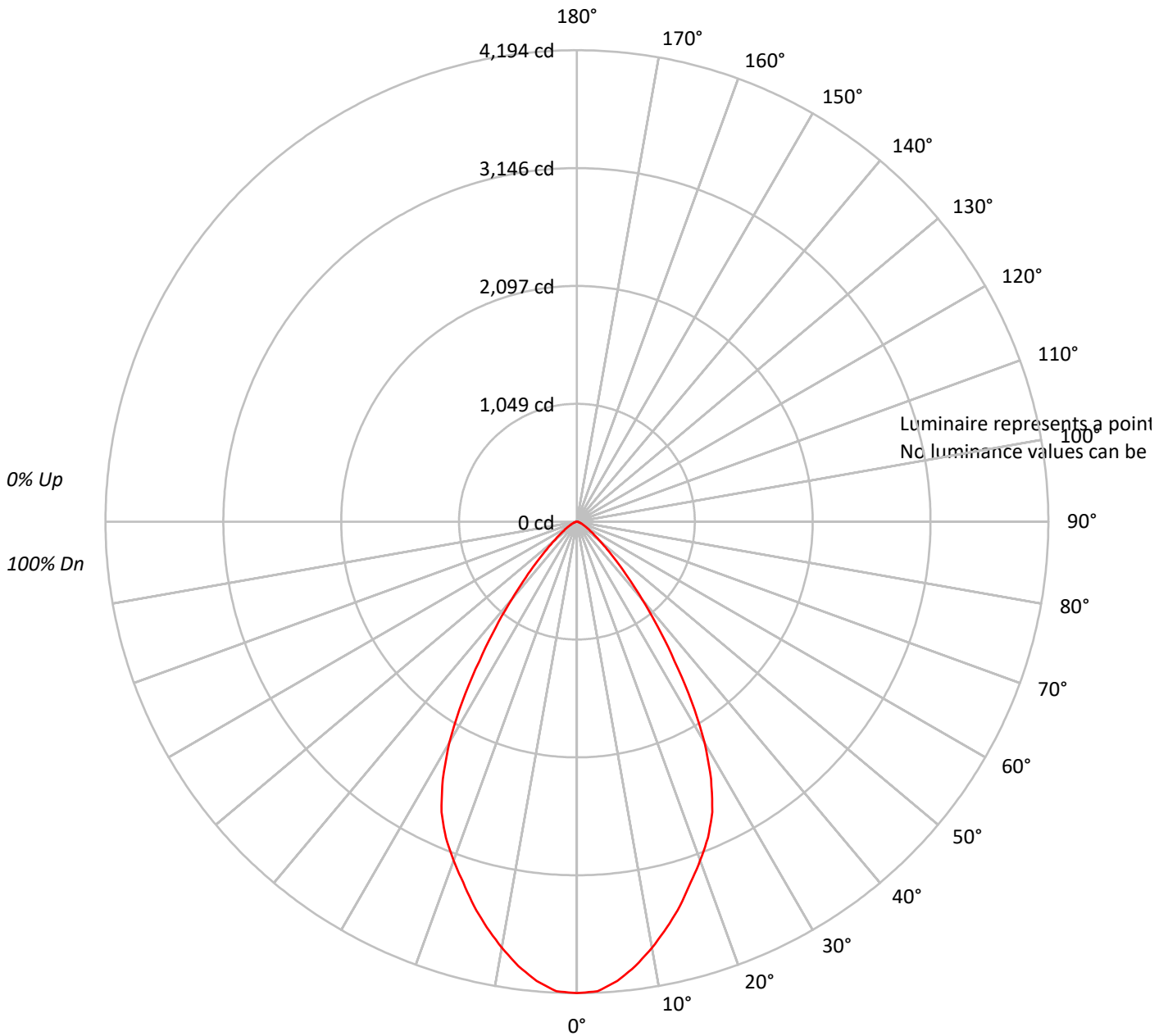
Input Watts (W): 58.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
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°	383.4	9.0
10°-20°	992.0	23.4
20°-30°	1285.3	30.3
30°-40°	954.2	22.5
40°-50°	402.8	9.5
50°-60°	143.1	3.4
60°-70°	55.2	1.3
70°-80°	19.1	0.5
80°-90°	2.4	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°	2660.7	62.8
0°-40°	3615.0	85.3
0°-60°	4160.9	98.2
0°-90°	4237.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4237.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4194	
5°	4103	383
15°	3540	992
25°	2850	1285
35°	1513	954
45°	496	403
55°	151	143
65°	54	55
75°	18	19
85°	0	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4193.8
2.5°	4181.6
5°	4102.9
7.5°	3988.0
10°	3848.8
12.5°	3697.5
15°	3540.1
17.5°	3364.6
20°	3207.2
22.5°	3043.9
25°	2850.2
27.5°	2584.0
30°	2269.4
32.5°	1900.1
35°	1512.9
37.5°	1186.1
40°	901.6
42.5°	671.8
45°	496.2
47.5°	363.1
50°	266.2
52.5°	199.8
55°	151.2
57.5°	115.0
60°	90.8
62.5°	66.6
65°	54.5
67.5°	42.4
70°	30.2
72.5°	24.2
75°	18.1
77.5°	12.1
80°	6.0
82.5°	6.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)