

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: P203281

Luminaire Tested: **LE\_6B50D010R EC6B30509030 6LBMH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203281  
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 EC6B30509030 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: 4170.9 lumens  
Efficiency: N/A  
Efficacy: 70.9 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

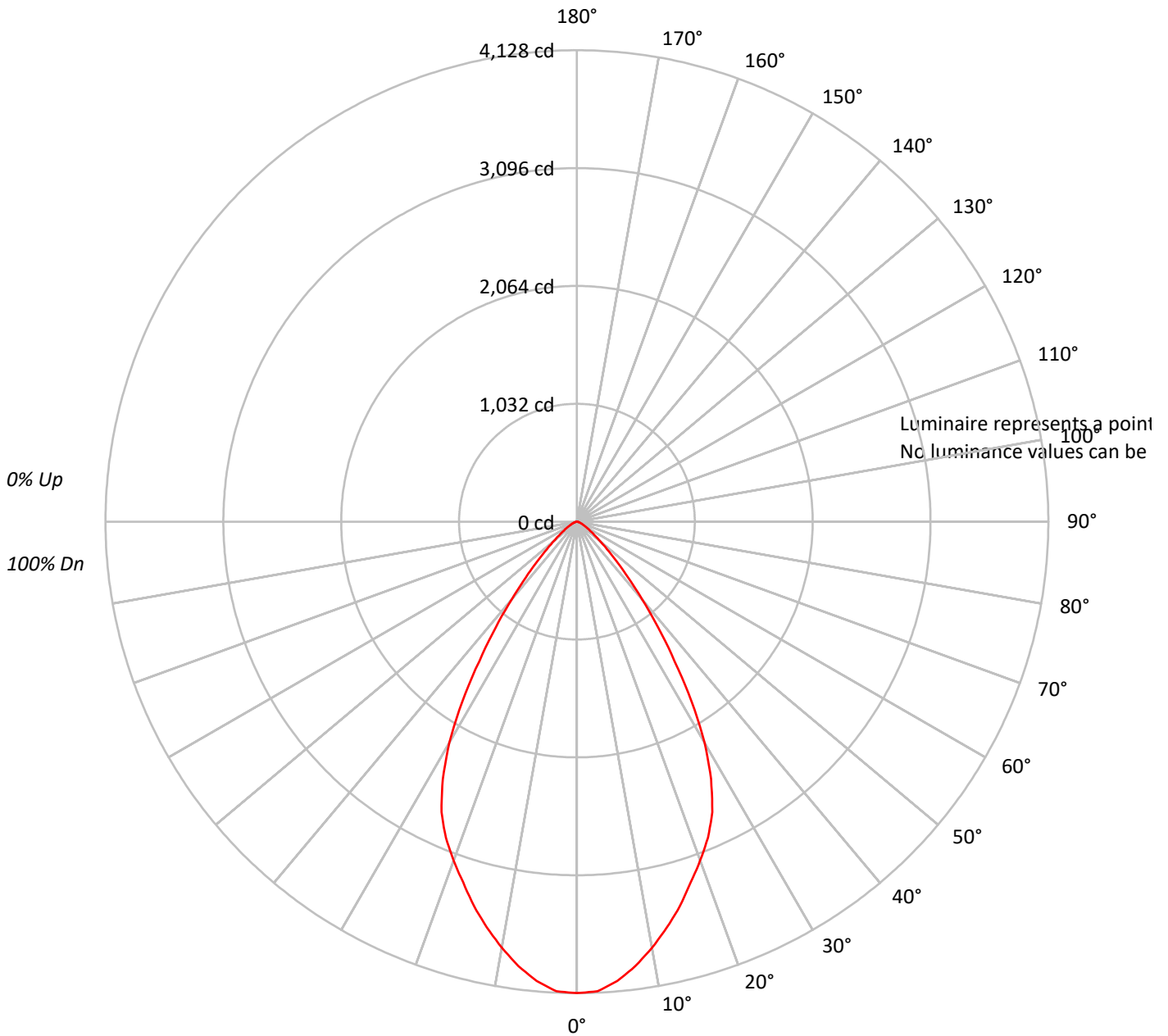
Input Watts (W): 58.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20																		
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	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	83	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°	377.4	9.0
10°-20°	976.3	23.4
20°-30°	1265.0	30.3
30°-40°	939.2	22.5
40°-50°	396.5	9.5
50°-60°	140.8	3.4
60°-70°	54.4	1.3
70°-80°	18.8	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°	2618.7	62.8
0°-40°	3557.9	85.3
0°-60°	4095.2	98.2
0°-90°	4170.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4170.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4128	
5°	4038	377
15°	3484	976
25°	2805	1265
35°	1489	939
45°	488	396
55°	149	141
65°	54	54
75°	18	19
85°	0	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4127.5
2.5°	4115.6
5°	4038.1
7.5°	3925.0
10°	3788.0
12.5°	3639.1
15°	3484.2
17.5°	3311.5
20°	3156.6
22.5°	2995.9
25°	2805.2
27.5°	2543.2
30°	2233.5
32.5°	1870.1
35°	1489.0
37.5°	1167.4
40°	887.5
42.5°	661.1
45°	488.4
47.5°	357.4
50°	262.1
52.5°	196.5
55°	148.9
57.5°	113.1
60°	89.4
62.5°	65.5
65°	53.6
67.5°	41.8
70°	29.8
72.5°	23.9
75°	17.9
77.5°	11.9
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)