

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: P203389

Luminaire Tested: **LE\_6B50D010R EC6B30509730 6LBMWH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203389  
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 EC6B30509730 6LBMWH1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
MEDIUM DISTRIBUTION WITH WHEAT TRIM  
SINGLE DRIVER D010TE  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3937.2 lumens  
Efficiency: N/A  
Efficacy: 67.0 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

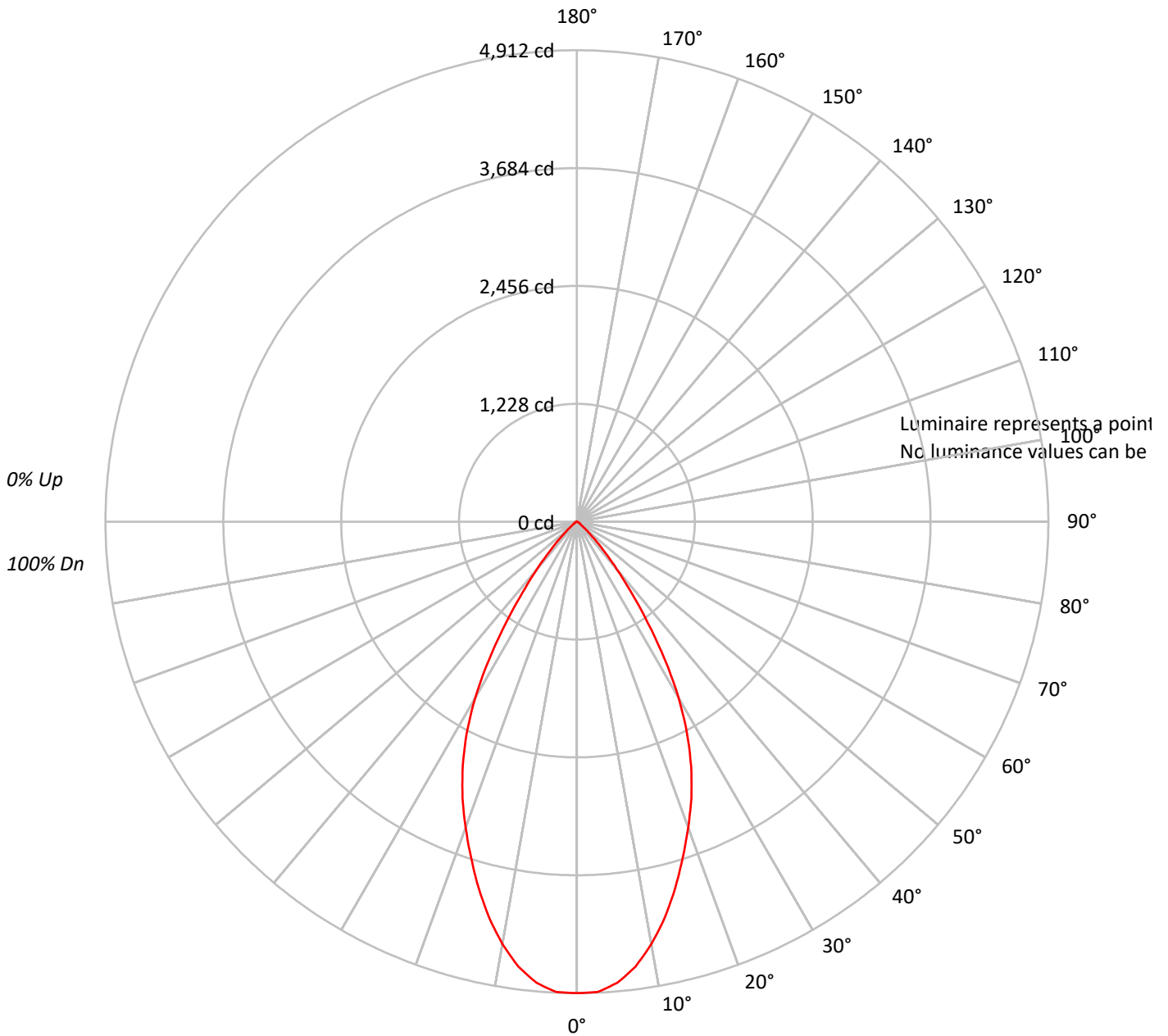
Input Watts (W): 58.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94																																				
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	91	89	87																																				
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81																																				
4	97	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76																																				
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71																																				
6	88	79	73	69	87	78	73	69	77	72	68	76	71	68	74	70	67	66																																				
7	84	75	69	64	82	74	68	64	73	68	64	71	67	64	70	66	63	62																																				
8	80	70	64	60	78	70	64	60	69	64	60	68	63	60	67	62	59	58																																				
9	76	66	61	57	75	66	60	57	65	60	56	64	59	56	63	59	56	55																																				
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	52																																				

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	449.0	11.4
10°-20°	1102.3	28.0
20°-30°	1275.5	32.4
30°-40°	815.3	20.7
40°-50°	231.1	5.9
50°-60°	41.3	1.0
60°-70°	16.9	0.4
70°-80°	5.8	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°	2826.8	71.8
0°-40°	3642.1	92.5
0°-60°	3914.5	99.4
0°-90°	3937.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3937.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4912	
5°	4824	449
15°	3953	1102
25°	2814	1275
35°	1287	815
45°	268	231
55°	38	41
65°	16	17
75°	6	6
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4911.6
2.5°	4906.1
5°	4824.0
7.5°	4676.2
10°	4468.1
12.5°	4227.2
15°	3953.4
17.5°	3668.6
20°	3389.4
22.5°	3115.6
25°	2814.5
27.5°	2486.0
30°	2119.1
32.5°	1708.4
35°	1286.8
37.5°	930.9
40°	646.1
42.5°	427.1
45°	268.2
47.5°	158.8
50°	93.1
52.5°	54.8
55°	38.4
57.5°	32.9
60°	27.4
62.5°	21.9
65°	16.4
67.5°	11.0
70°	11.0
72.5°	5.5
75°	5.5
77.5°	5.5
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)