

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: P202666

Luminaire Tested: **LE\_6B50D010R EC6B30509050 6LBMWMH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P202666  
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 EC6B30509050 6LBMWMH1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
MEDIUM DISTRIBUTION WITH WARM HAZE TRIM  
SINGLE DRIVER D010TE  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4568.1 lumens  
Efficiency: N/A  
Efficacy: 77.7 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.89  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

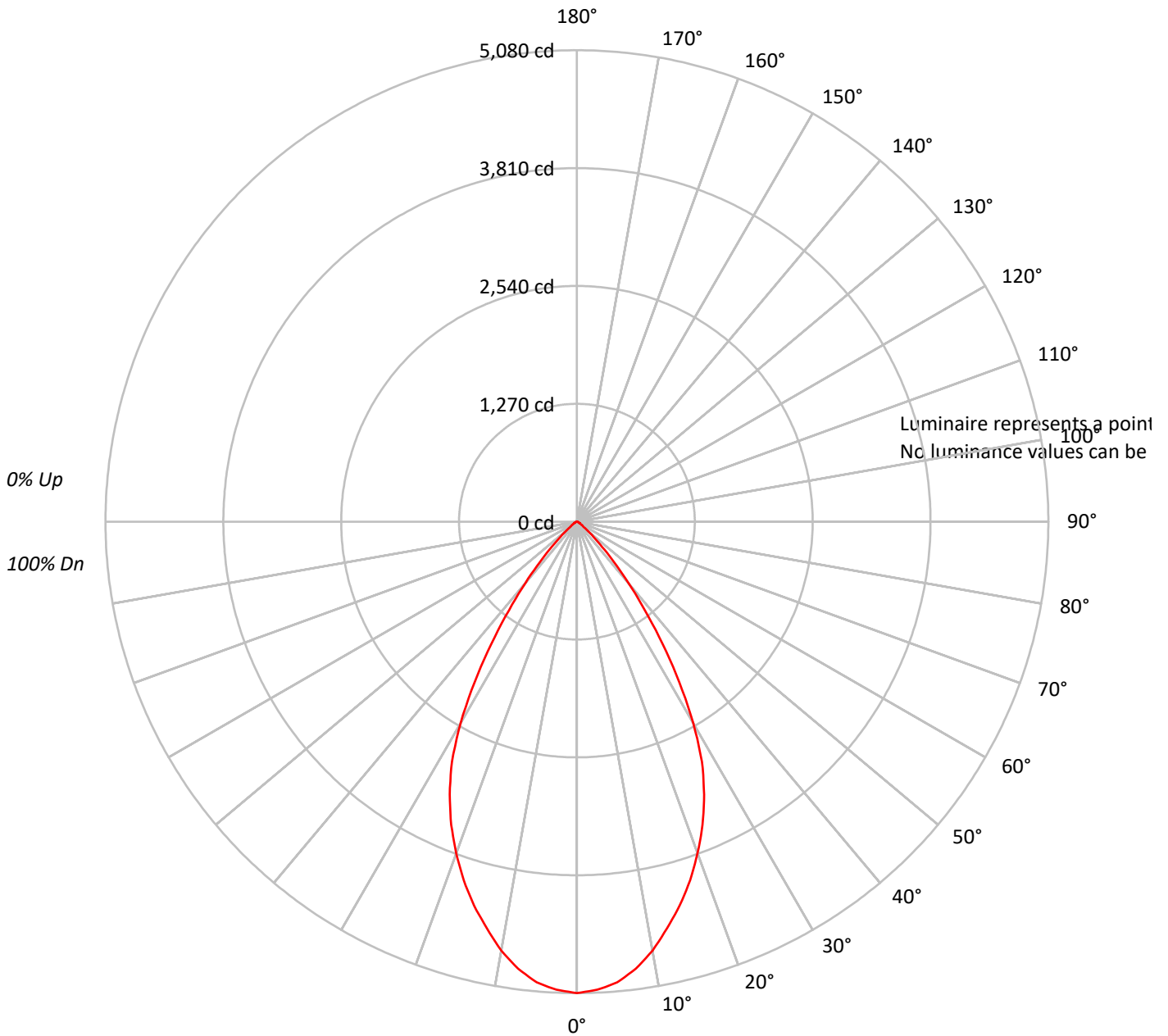
Input Watts (W): 58.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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									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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86																			
3	102	95	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74																			
5	92	83	77	73	90	82	77	73	80	76	72	79	75	71	77	74	71	69																			
6	87	78	72	67	85	77	71	67	76	71	67	74	70	66	73	69	66	64																			
7	83	73	67	63	81	72	67	63	71	66	62	70	65	62	69	65	61	60																			
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	58	56																			
9	75	65	59	55	73	64	59	55	63	58	54	62	58	54	62	57	54	53																			
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	50																			

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	466.2	10.2
10°-20°	1196.9	26.2
20°-30°	1470.1	32.2
30°-40°	1008.0	22.1
40°-50°	324.0	7.1
50°-60°	65.7	1.4
60°-70°	25.8	0.6
70°-80°	9.7	0.2
80°-90°	1.6	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°	3133.2	68.6
0°-40°	4141.3	90.7
0°-60°	4531.0	99.2
0°-90°	4568.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4568.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5080	
5°	4983	466
15°	4282	1197
25°	3243	1470
35°	1608	1008
45°	384	324
55°	66	66
65°	27	26
75°	8	10
85°	0	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5080.0
2.5°	5049.0
5°	4983.1
7.5°	4859.1
10°	4692.5
12.5°	4487.1
15°	4281.8
17.5°	4053.1
20°	3801.2
22.5°	3537.8
25°	3243.2
27.5°	2917.8
30°	2507.1
32.5°	2053.8
35°	1608.1
37.5°	1201.2
40°	864.1
42.5°	589.0
45°	383.6
47.5°	236.4
50°	143.4
52.5°	89.1
55°	65.9
57.5°	50.4
60°	38.8
62.5°	31.0
65°	27.1
67.5°	19.4
70°	15.5
72.5°	11.6
75°	7.8
77.5°	7.8
80°	3.9
82.5°	3.9
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)