

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P844515

Luminaire Tested: **LD6C40DE010B50 EU6C40B50 6LBMMW**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844515  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203577)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C40DE010B50 EU6C40B50 6LBMMW  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

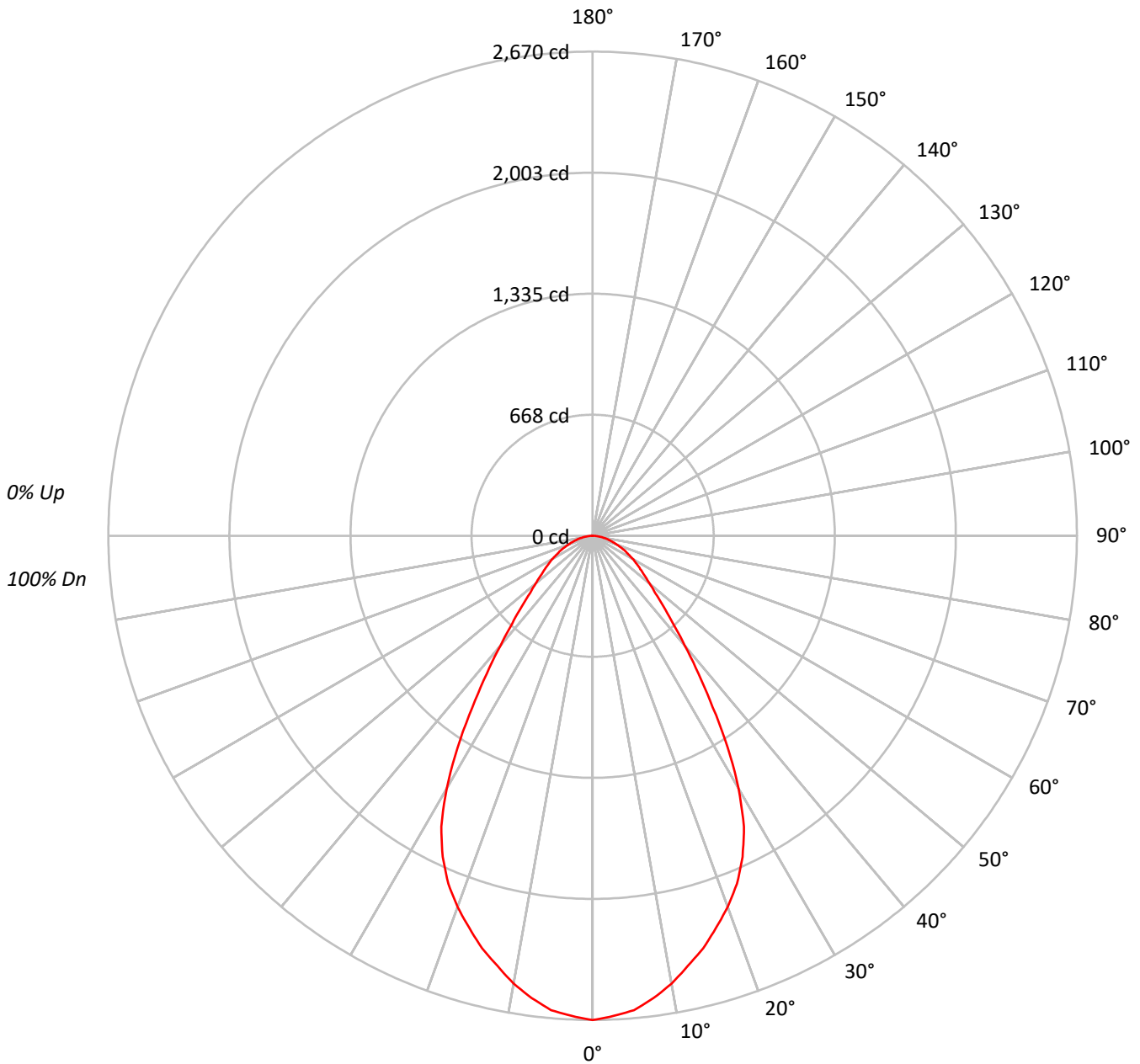
Lumens per Lamp: N/A  
Luminaire Lumens: 3579.0 lumens  
Efficiency: N/A  
Efficacy: 71.9 lumens/watt  
Spacing Criteria (0/90/45): 1 / 1 / 0.97  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 49.8  
Input Voltage (V):  
Input Current (Ain): 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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89			
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71			
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64			
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58			
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48			
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41			
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38			

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

	0°
0°	146397
5°	144513
10°	139588
15°	133639
20°	126997
25°	118241
30°	101864
35°	77303
40°	56513
45°	42857
50°	34941
55°	30670
60°	28145
65°	25619
70°	22937
75°	20906
80°	18721
85°	15473



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	246.7	6.9
10°-20°	660.8	18.5
20°-30°	887.3	24.8
30°-40°	727.8	20.3
40°-50°	437.1	12.2
50°-60°	290.4	8.1
60°-70°	194.7	5.4
70°-80°	104.8	2.9
80°-90°	29.5	0.8
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°	1794.7	50.1
0°-40°	2522.5	70.5
0°-60°	3250.0	90.8
0°-90°	3579.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3579.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2670	
5°	2626	247
15°	2355	661
25°	1955	887
35°	1155	728
45°	553	437
55°	321	290
65°	198	195
75°	99	105
85°	25	29
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2670.5
2.5°	2650.7
5°	2626.1
7.5°	2571.8
10°	2507.6
12.5°	2428.6
15°	2354.7
17.5°	2265.8
20°	2176.9
22.5°	2078.3
25°	1954.8
27.5°	1806.6
30°	1609.2
32.5°	1387.1
35°	1155.1
37.5°	957.7
40°	789.7
42.5°	656.6
45°	552.8
47.5°	469.0
50°	409.7
52.5°	360.3
55°	320.9
57.5°	286.3
60°	256.7
62.5°	222.1
65°	197.5
67.5°	167.8
70°	143.1
72.5°	118.5
75°	98.7
77.5°	78.9
80°	59.3
82.5°	44.4
85°	24.6
87.5°	9.8
90°	0.0



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— 0°-180°







(END OF REPORT)