

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: P844511

Luminaire Tested: **LD6C40DE010B50 EU6C40B50 6LBMB**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844511  
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 6LBMB  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

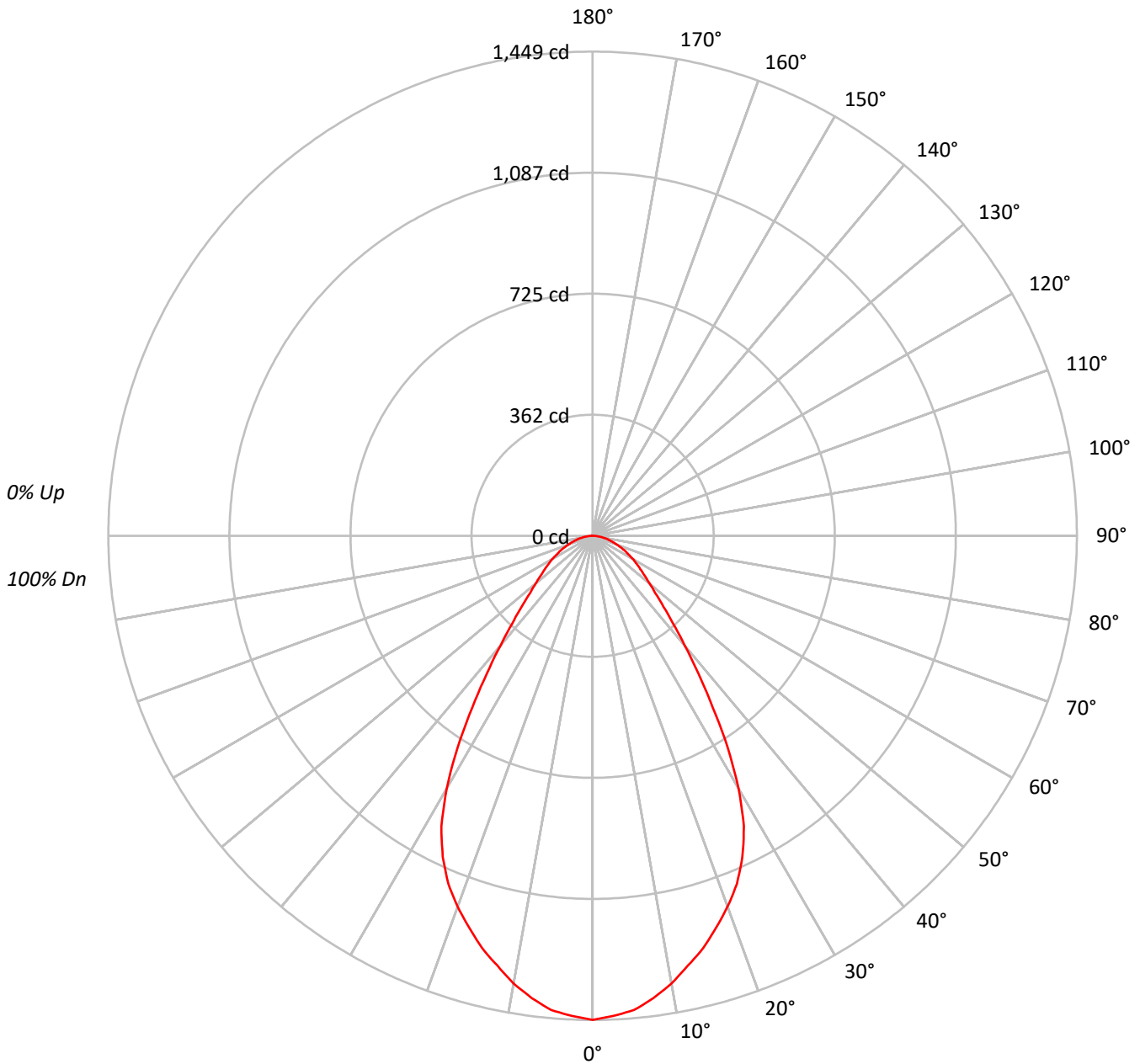
Lumens per Lamp: N/A  
Luminaire Lumens: 1941.8 lumens  
Efficiency: N/A  
Efficacy: 39.0 lumens/watt  
Spacing Criteria (0/90/45): 1 / 1 / 0.97  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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			100
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89			89
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			79
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71			71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64			64
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58			58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53			53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48			48
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			44
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41			41
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38			38

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

	0°
0°	79429
5°	78406
10°	75733
15°	72503
20°	68903
25°	64153
30°	55268
35°	41947
40°	30657
45°	23250
50°	18959
55°	16640
60°	15273
65°	13893
70°	12438
75°	11332
80°	10165
85°	8366



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	133.8	6.9
10°-20°	358.5	18.5
20°-30°	481.4	24.8
30°-40°	394.9	20.3
40°-50°	237.1	12.2
50°-60°	157.6	8.1
60°-70°	105.6	5.4
70°-80°	56.8	2.9
80°-90°	16.0	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°	973.7	50.1
0°-40°	1368.6	70.5
0°-60°	1763.3	90.8
0°-90°	1941.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1941.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1449	
5°	1425	134
15°	1278	359
25°	1061	481
35°	627	395
45°	300	237
55°	174	158
65°	107	106
75°	54	57
85°	13	16
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1448.9
2.5°	1438.2
5°	1424.8
7.5°	1395.3
10°	1360.5
12.5°	1317.6
15°	1277.5
17.5°	1229.3
20°	1181.1
22.5°	1127.5
25°	1060.6
27.5°	980.2
30°	873.1
32.5°	752.5
35°	626.8
37.5°	519.6
40°	428.4
42.5°	356.2
45°	299.9
47.5°	254.5
50°	222.3
52.5°	195.6
55°	174.1
57.5°	155.4
60°	139.3
62.5°	120.6
65°	107.1
67.5°	91.1
70°	77.6
72.5°	64.3
75°	53.5
77.5°	42.8
80°	32.2
82.5°	24.1
85°	13.3
87.5°	5.4
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)