

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: P844507

Luminaire Tested: **LD6C40DE010B50 EU6C40B50 6LBCSMW**

Issue Date: 5/7/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P844507  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P204757)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C40DE010B50 EU6C40B50 6LBSCSMW  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

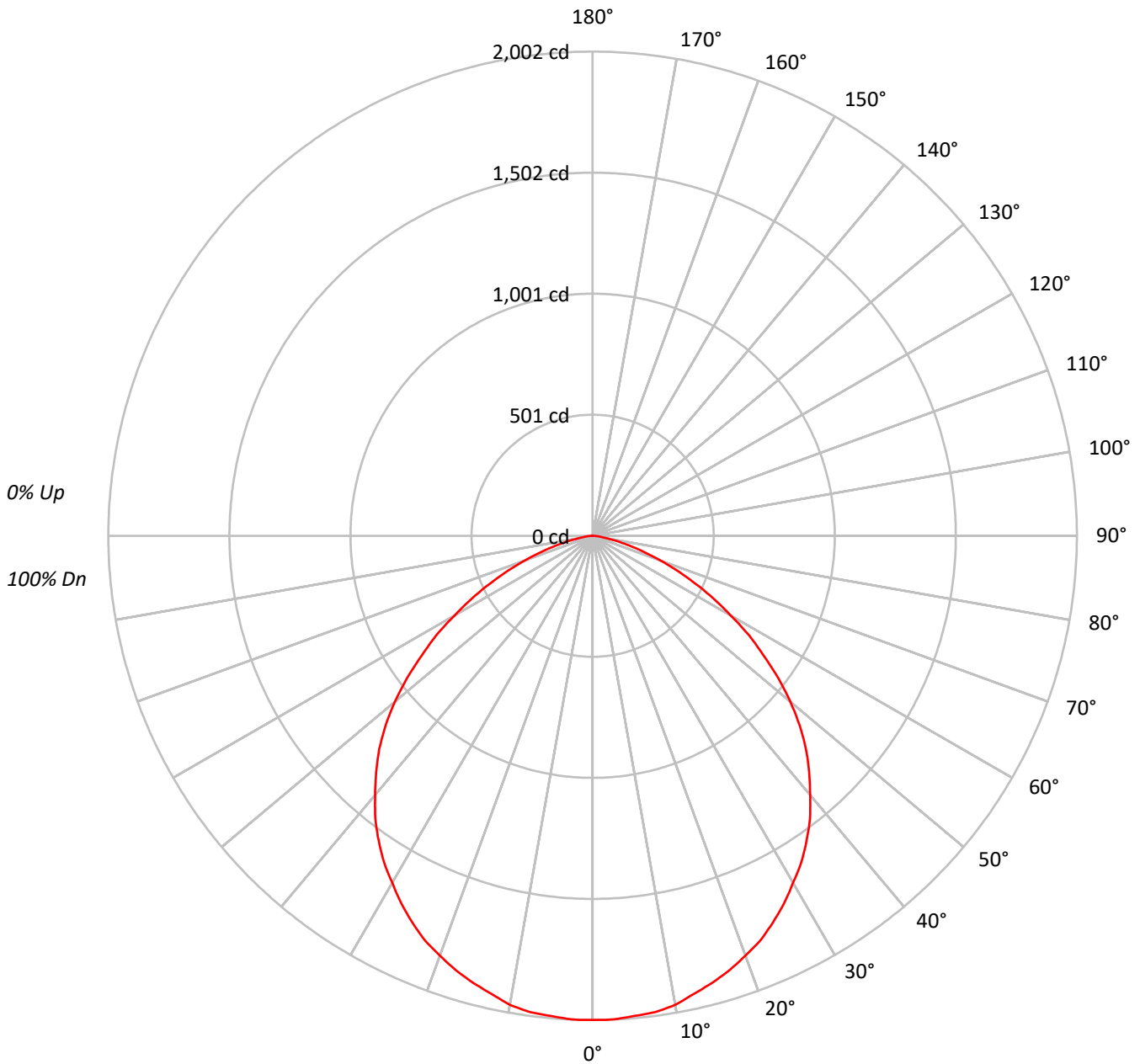
Lumens per Lamp: N/A  
Luminaire Lumens: 4901.1 lumens  
Efficiency: N/A  
Efficacy: 98.4 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P844507

CATALOG NUMBER: LD6C40DE010B50 EU6C40B50 6LBCSMW

### Luminous Intensity Polar Plot





TEST NUMBER: P844507

CATALOG NUMBER: LD6C40DE010B50 EU6C40B50 6LBSCMW

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

RF	20				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	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87				87
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74				74
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63				63
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55				55
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48				48
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42				42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37				37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33				33
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30				30
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27				27

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

	0°
0°	109750
5°	109663
10°	109612
15°	108565
20°	107780
25°	106706
30°	104896
35°	103169
40°	100116
45°	96723
50°	90948
55°	82329
60°	72264
65°	60863
70°	47620
75°	33381
80°	18689
85°	12957



TEST NUMBER: P844507

CATALOG NUMBER: LD6C40DE010B50 EU6C40B50 6LBSCMW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	189.7	3.9
10°-20°	540.0	11.0
20°-30°	812.2	16.6
30°-40°	962.7	19.6
40°-50°	958.0	19.5
50°-60°	772.2	15.8
60°-70°	467.1	9.5
70°-80°	173.5	3.5
80°-90°	25.7	0.5
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°	1541.9	31.5
0°-40°	2504.5	51.1
0°-60°	4234.7	86.4
0°-90°	4901.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4901.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2002	
5°	1993	190
15°	1913	540
25°	1764	812
35°	1542	963
45°	1248	958
55°	861	772
65°	469	467
75°	158	174
85°	21	26
90°	0	



TEST NUMBER: P844507

CATALOG NUMBER: LD6C40DE010B50 EU6C40B50 6LBCSMW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2002.0
2.5°	2002.0
5°	1992.8
7.5°	1987.1
10°	1969.1
12.5°	1939.3
15°	1912.9
17.5°	1883.0
20°	1847.5
22.5°	1811.5
25°	1764.1
27.5°	1713.7
30°	1657.1
32.5°	1604.0
35°	1541.6
37.5°	1476.2
40°	1399.0
42.5°	1324.4
45°	1247.6
47.5°	1161.2
50°	1066.4
52.5°	968.1
55°	861.4
57.5°	766.3
60°	659.1
62.5°	564.4
65°	469.2
67.5°	380.0
70°	297.1
72.5°	222.9
75°	157.6
77.5°	100.9
80°	59.2
82.5°	35.5
85°	20.6
87.5°	8.8
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)