

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: P844500

Luminaire Tested: **LD6C40DE010B40 EU6C40B40 6LBNLI**

Issue Date: 2/17/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P844500  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205310)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C40DE010B40 EU6C40B40 6LBNLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

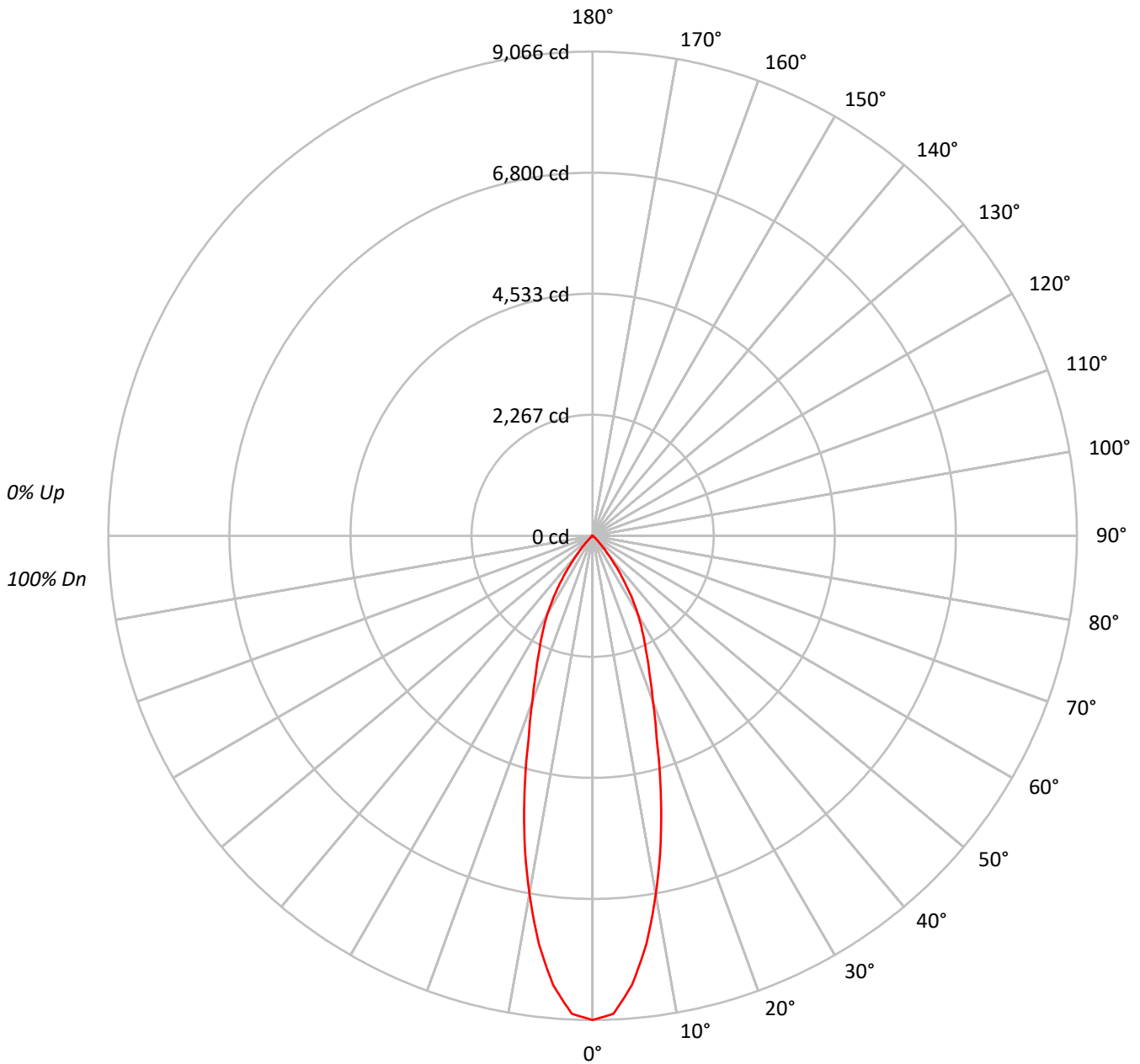
Lumens per Lamp: N/A  
Luminaire Lumens: 3981.9 lumens  
Efficiency: N/A  
Efficacy: 80.0 lumens/watt  
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.58  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P844500

CATALOG NUMBER: LD6C40DE010B40 EU6C40B40 6LBNLI

### Luminous Intensity Polar Plot





TEST NUMBER: P844500

CATALOG NUMBER: LD6C40DE010B40 EU6C40B40 6LBNLI

**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	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	96	95			
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89			
3	105	99	94	91	103	97	93	90	95	91	89	93	90	87	90	88	86	85			
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80			
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76			
6	92	84	79	75	90	83	78	75	82	77	74	80	76	74	79	76	73	72			
7	88	80	74	71	87	79	74	71	78	73	70	77	73	70	76	72	69	68			
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	73	69	66	65			
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	62			
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	59			

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

	0°
0°	497000
5°	464785
10°	379068
15°	278940
20°	192266
25°	142738
30°	107213
35°	66856
40°	32454
45°	11133
50°	1458
55°	1099
60°	636
65°	752
70°	930
75°	0
80°	0
85°	0



TEST NUMBER: P844500

CATALOG NUMBER: LD6C40DE010B40 EU6C40B40 6LBNLI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	753.8	18.9
10°-20°	1353.0	34.0
20°-30°	1093.9	27.5
30°-40°	630.1	15.8
40°-50°	133.2	3.3
50°-60°	11.5	0.3
60°-70°	5.8	0.1
70°-80°	0.8	0.0
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°	3200.6	80.4
0°-40°	3830.8	96.2
0°-60°	3975.4	99.8
0°-90°	3981.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3981.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9066	
5°	8446	754
15°	4915	1353
25°	2360	1094
35°	999	630
45°	144	133
55°	12	11
65°	6	6
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P844500

CATALOG NUMBER: LD6C40DE010B40 EU6C40B40 6LBNI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9066.0
2.5°	8957.1
5°	8446.1
7.5°	7711.1
10°	6809.7
12.5°	5885.3
15°	4914.9
17.5°	3979.0
20°	3295.7
22.5°	2773.2
25°	2359.8
27.5°	2009.6
30°	1693.7
32.5°	1343.6
35°	999.0
37.5°	694.7
40°	453.5
42.5°	275.6
45°	143.6
47.5°	57.3
50°	17.1
52.5°	17.1
55°	11.5
57.5°	11.5
60°	5.8
62.5°	5.8
65°	5.8
67.5°	5.8
70°	5.8
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)