

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: P844514

Luminaire Tested: **LD6C40DE010B50 EU6C40B50 6LBMLI**

Issue Date: 2/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P844514  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205108)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C40DE010B50 EU6C40B50 6LBMLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

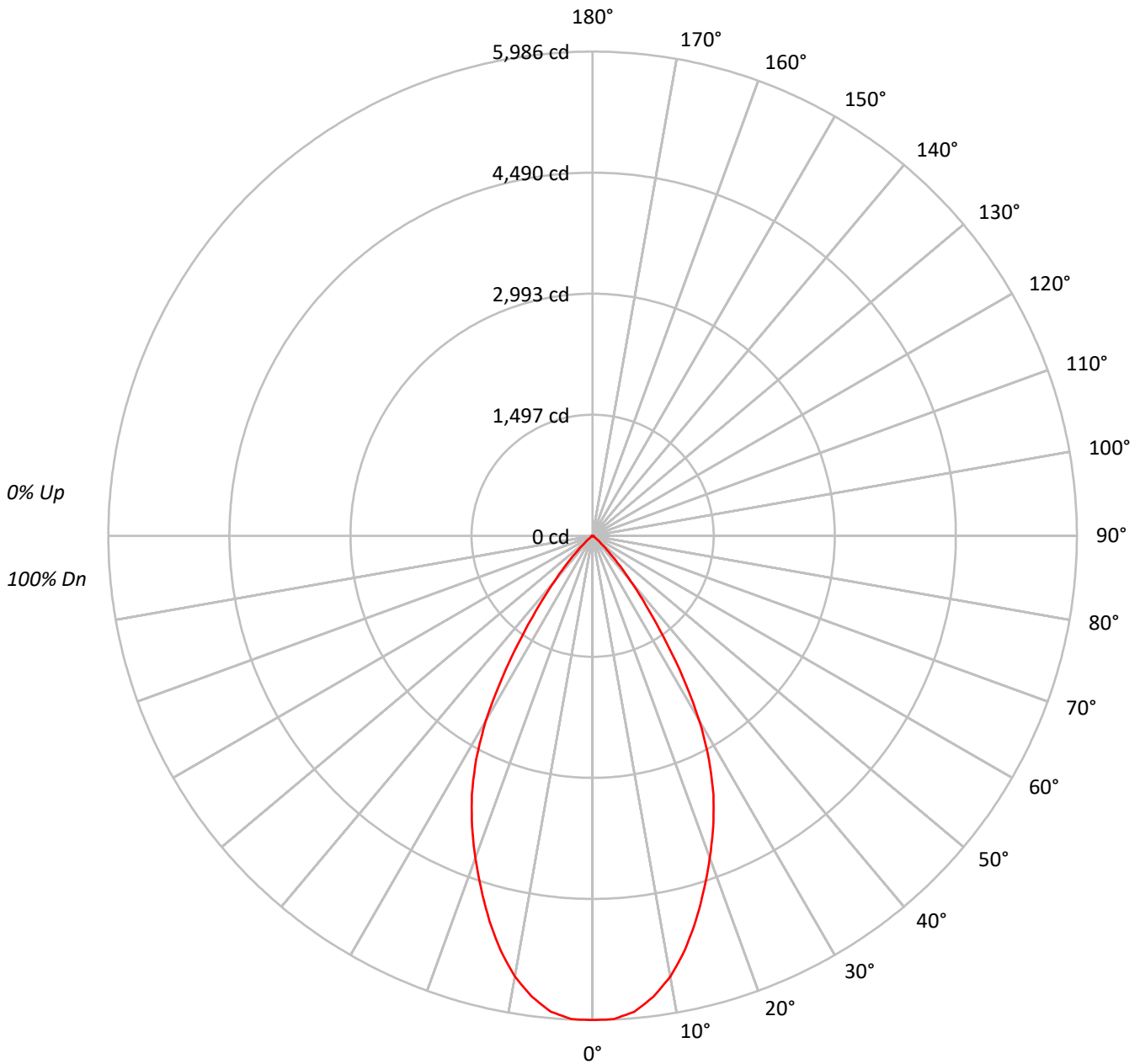
Lumens per Lamp: N/A  
Luminaire Lumens: 4783.6 lumens  
Efficiency: N/A  
Efficacy: 96.1 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94			
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88			
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82			
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76			
5	93	85	79	75	91	84	79	75	82	78	74	81	77	73	79	76	73	71			
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67			
7	84	75	69	65	83	75	69	65	73	68	65	72	68	64	71	67	64	63			
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52			

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

	0°
0°	328181
5°	325060
10°	308021
15°	279655
20°	247116
25°	213641
30°	167007
35°	102412
40°	52563
45°	20886
50°	6780
55°	2332
60°	2006
65°	1608
70°	978
75°	1292
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	551.5	11.5
10°-20°	1373.0	28.7
20°-30°	1596.1	33.4
30°-40°	977.4	20.4
40°-50°	242.7	5.1
50°-60°	28.4	0.6
60°-70°	10.6	0.2
70°-80°	4.0	0.1
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°	3520.6	73.6
0°-40°	4498.0	94.0
0°-60°	4769.0	99.7
0°-90°	4783.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4783.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5986	
5°	5907	551
15°	4928	1373
25°	3532	1596
35°	1530	977
45°	269	243
55°	24	28
65°	12	11
75°	6	4
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5986.5
2.5°	5980.4
5°	5907.0
7.5°	5747.8
10°	5533.4
12.5°	5252.0
15°	4927.5
17.5°	4578.7
20°	4235.9
22.5°	3893.0
25°	3532.0
27.5°	3115.7
30°	2638.3
32.5°	2081.2
35°	1530.3
37.5°	1077.3
40°	734.5
42.5°	459.0
45°	269.4
47.5°	153.0
50°	79.5
52.5°	36.8
55°	24.4
57.5°	18.3
60°	18.3
62.5°	12.4
65°	12.4
67.5°	6.1
70°	6.1
72.5°	6.1
75°	6.1
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)