

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: P844505

Luminaire Tested: **LD6C40DE010B2750 EU6C40B50 6LBCSMB**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844505  
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: LD6C40DE010B2750 EU6C40B50 6LBCSMB  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

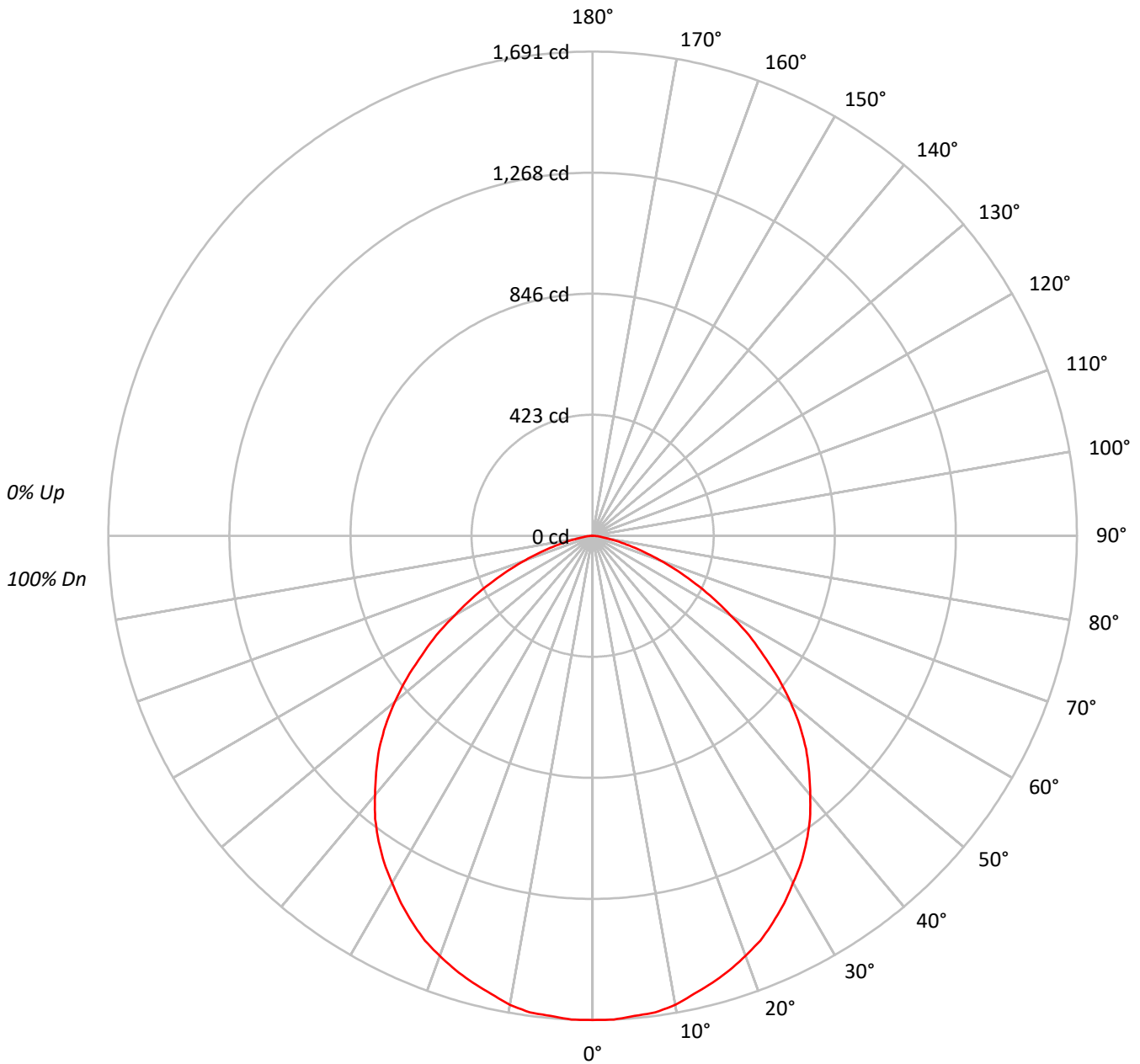
Lumens per Lamp: N/A  
Luminaire Lumens: 4140.6 lumens  
Efficiency: N/A  
Efficacy: 83.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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

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

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

	0°
0°	92723
5°	92642
10°	92606
15°	91720
20°	91060
25°	90150
30°	88621
35°	87167
40°	84580
45°	81714
50°	76833
55°	69560
60°	61048
65°	51406
70°	40231
75°	28192
80°	15785
85°	11007



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.2	3.9
10°-20°	456.2	11.0
20°-30°	686.2	16.6
30°-40°	813.3	19.6
40°-50°	809.3	19.5
50°-60°	652.4	15.8
60°-70°	394.6	9.5
70°-80°	146.6	3.5
80°-90°	21.7	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°	1302.6	31.5
0°-40°	2116.0	51.1
0°-60°	3577.7	86.4
0°-90°	4140.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4140.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1691	
5°	1684	160
15°	1616	456
25°	1490	686
35°	1302	813
45°	1054	809
55°	728	652
65°	396	395
75°	133	147
85°	18	22
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1691.4
2.5°	1691.4
5°	1683.5
7.5°	1678.8
10°	1663.6
12.5°	1638.4
15°	1616.1
17.5°	1590.9
20°	1560.9
22.5°	1530.5
25°	1490.4
27.5°	1447.8
30°	1400.0
32.5°	1355.0
35°	1302.5
37.5°	1247.2
40°	1181.9
42.5°	1118.9
45°	1054.0
47.5°	981.0
50°	900.9
52.5°	817.9
55°	727.8
57.5°	647.4
60°	556.8
62.5°	476.8
65°	396.3
67.5°	321.1
70°	251.0
72.5°	188.4
75°	133.1
77.5°	85.2
80°	50.0
82.5°	30.0
85°	17.5
87.5°	7.4
90°	0.0



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— 0°-180°







(END OF REPORT)