

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: P843910

Luminaire Tested: **LD6C08DE010B50 EU6C08B50 6LBCSMB**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P843910  
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: LD6C08DE010B50 EU6C08B50 6LBCSMB  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

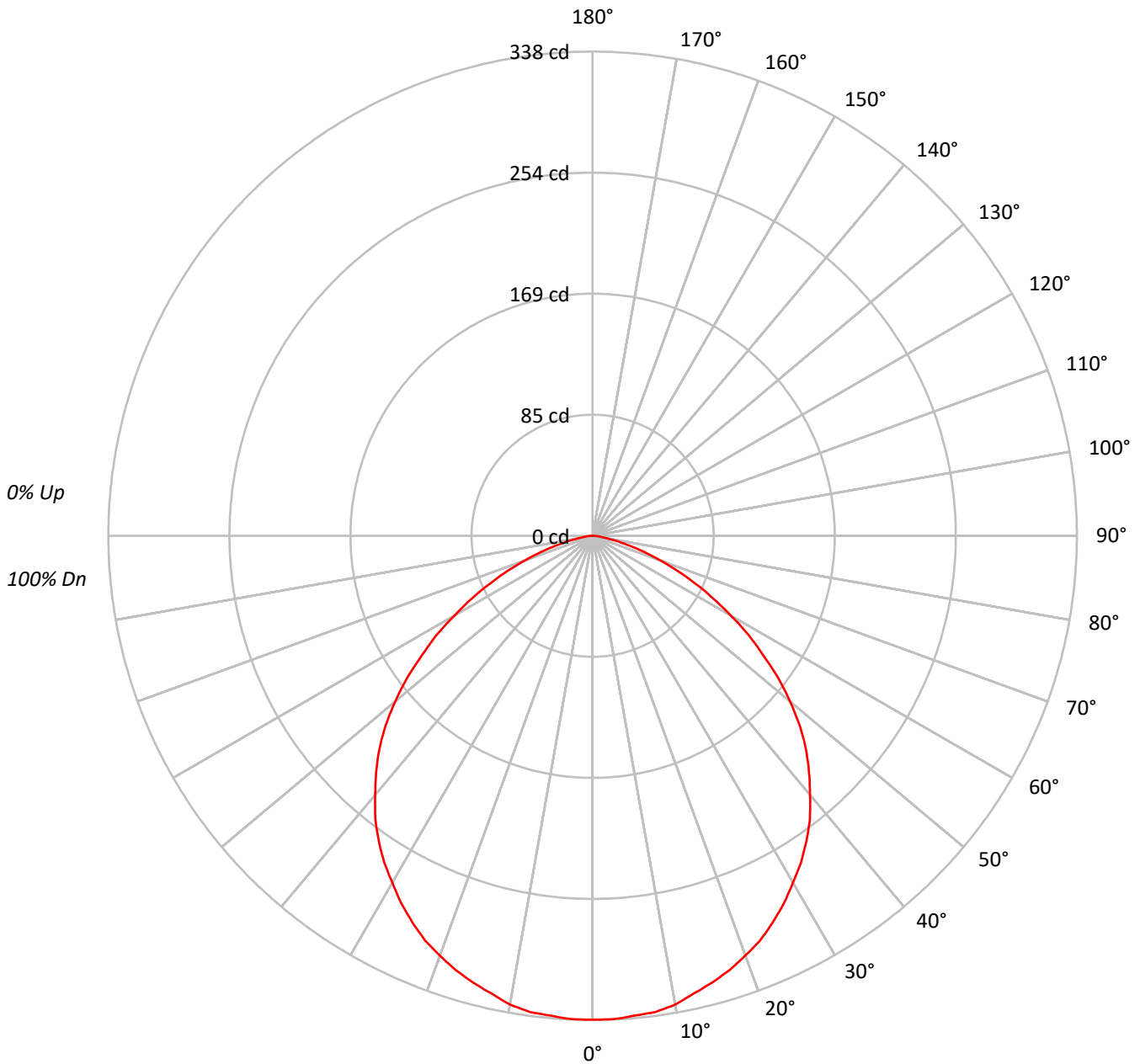
Lumens per Lamp: N/A  
Luminaire Lumens: 827.1 lumens  
Efficiency: N/A  
Efficacy: 86.2 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.6  
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				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°	18518
5°	18506
10°	18498
15°	18320
20°	18190
25°	18007
30°	17699
35°	17413
40°	16896
45°	16327
50°	15343
55°	13887
60°	12203
65°	10273
70°	8030
75°	5613
80°	3157
85°	2201



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.0	3.9
10°-20°	91.1	11.0
20°-30°	137.1	16.6
30°-40°	162.4	19.6
40°-50°	161.7	19.5
50°-60°	130.3	15.8
60°-70°	78.8	9.5
70°-80°	29.3	3.5
80°-90°	4.4	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°	260.2	31.5
0°-40°	422.6	51.1
0°-60°	714.6	86.4
0°-90°	827.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	827.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	338	
5°	336	32
15°	323	91
25°	298	137
35°	260	162
45°	211	162
55°	145	130
65°	79	79
75°	26	29
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	337.8
2.5°	337.8
5°	336.3
7.5°	335.3
10°	332.3
12.5°	327.2
15°	322.8
17.5°	317.8
20°	311.8
22.5°	305.7
25°	297.7
27.5°	289.2
30°	279.6
32.5°	270.6
35°	260.2
37.5°	249.1
40°	236.1
42.5°	223.5
45°	210.6
47.5°	196.0
50°	179.9
52.5°	163.4
55°	145.3
57.5°	129.3
60°	111.3
62.5°	95.2
65°	79.2
67.5°	64.1
70°	50.1
72.5°	37.7
75°	26.5
77.5°	17.0
80°	10.0
82.5°	6.0
85°	3.5
87.5°	1.5
90°	0.0



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— 0°-180°







(END OF REPORT)