

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: P844250

Luminaire Tested: **LD6C25DE010B50 EU6C25B50 6LBCSMB**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844250  
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: LD6C25DE010B50 EU6C25B50 6LBCSMB  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

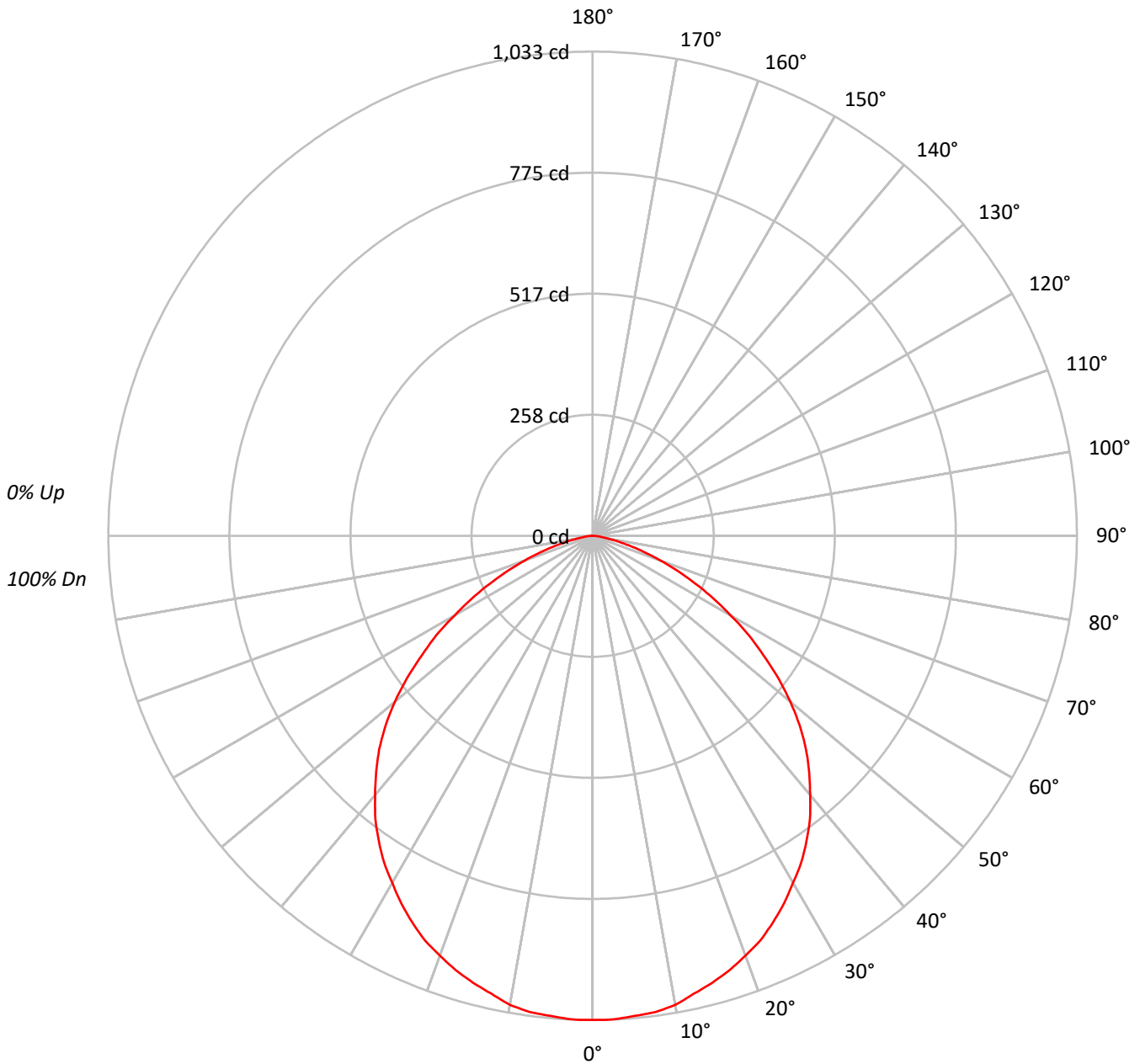
Lumens per Lamp: N/A  
Luminaire Lumens: 2528.8 lumens  
Efficiency: N/A  
Efficacy: 84.9 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 29.8  
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				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°	56629
5°	56581
10°	56557
15°	56016
20°	55608
25°	55056
30°	54122
35°	53231
40°	51654
45°	49912
50°	46924
55°	42484
60°	37289
65°	31404
70°	24571
75°	17220
80°	9660
85°	6730



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.9	3.9
10°-20°	278.6	11.0
20°-30°	419.1	16.6
30°-40°	496.7	19.6
40°-50°	494.3	19.5
50°-60°	398.4	15.8
60°-70°	241.0	9.5
70°-80°	89.5	3.5
80°-90°	13.3	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°	795.5	31.5
0°-40°	1292.3	51.1
0°-60°	2185.0	86.4
0°-90°	2528.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2528.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1033	
5°	1028	98
15°	987	279
25°	910	419
35°	795	497
45°	644	494
55°	444	398
65°	242	241
75°	81	90
85°	11	13
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1033.0
2.5°	1033.0
5°	1028.2
7.5°	1025.3
10°	1016.0
12.5°	1000.6
15°	987.0
17.5°	971.6
20°	953.2
22.5°	934.7
25°	910.2
27.5°	884.2
30°	855.0
32.5°	827.6
35°	795.4
37.5°	761.7
40°	721.8
42.5°	683.3
45°	643.8
47.5°	599.1
50°	550.2
52.5°	499.5
55°	444.5
57.5°	395.3
60°	340.1
62.5°	291.2
65°	242.1
67.5°	196.1
70°	153.3
72.5°	115.1
75°	81.3
77.5°	52.0
80°	30.6
82.5°	18.3
85°	10.7
87.5°	4.5
90°	0.0



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— 0°-180°







(END OF REPORT)