

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: P844252

Luminaire Tested: **LD6C25DE010B50 EU6C25B50 6LBCSMW**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844252  
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 6LBSCMW  
Description:  
Light Source: -  
Ballast/Driver:

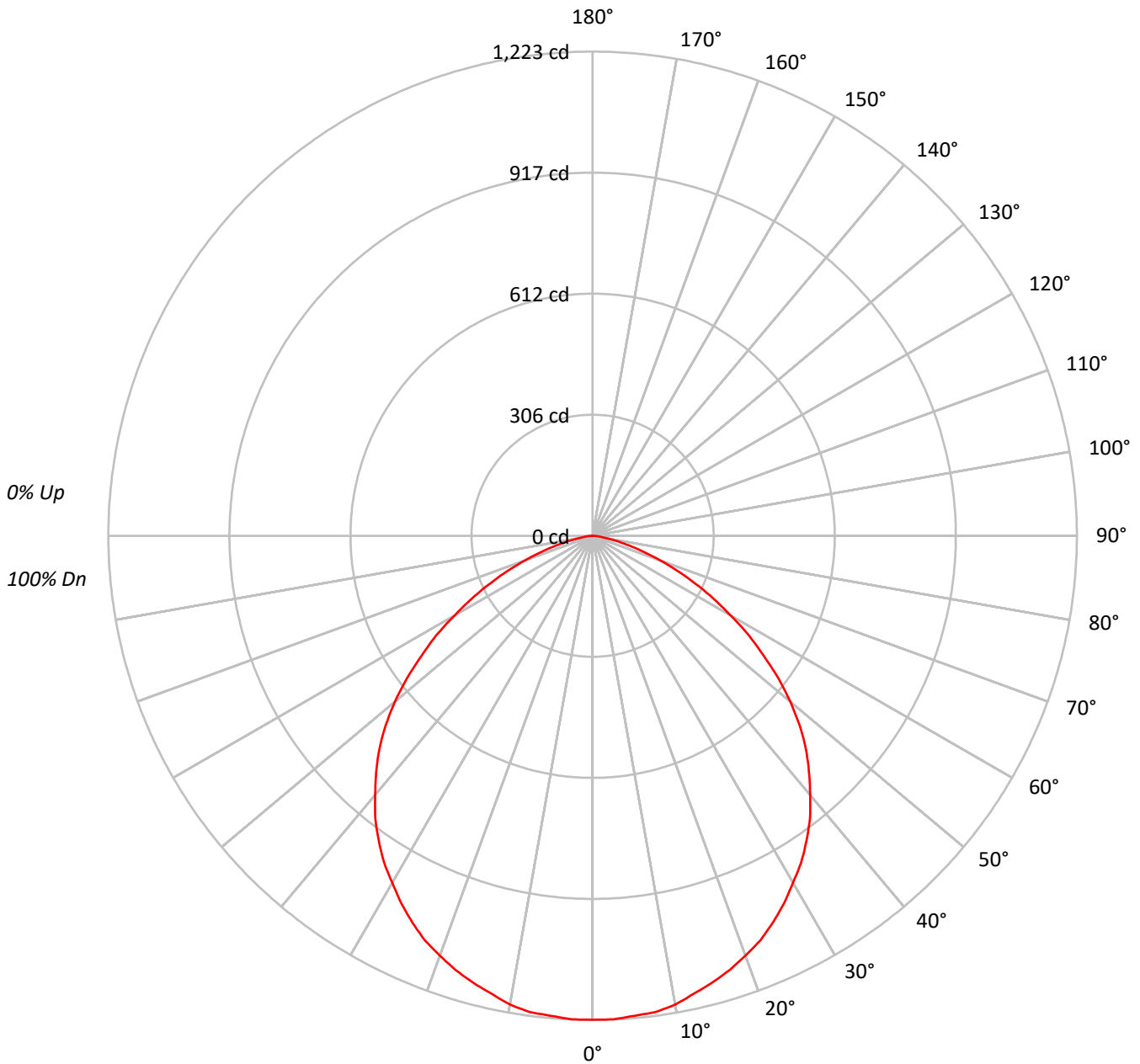
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2993.1 lumens  
Efficiency: N/A  
Efficacy: 100.4 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°	67023
5°	66971
10°	66938
15°	66306
20°	65823
25°	65169
30°	64054
35°	63008
40°	61143
45°	59068
50°	55546
55°	50283
60°	44130
65°	37164
70°	29075
75°	20376
80°	11428
85°	7925



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.8	3.9
10°-20°	329.8	11.0
20°-30°	496.0	16.6
30°-40°	587.9	19.6
40°-50°	585.0	19.5
50°-60°	471.6	15.8
60°-70°	285.2	9.5
70°-80°	106.0	3.5
80°-90°	15.7	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°	941.6	31.5
0°-40°	1529.5	51.1
0°-60°	2586.2	86.4
0°-90°	2993.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2993.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1223	
5°	1217	116
15°	1168	330
25°	1077	496
35°	942	588
45°	762	585
55°	526	472
65°	286	285
75°	96	106
85°	13	16
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1222.6
2.5°	1222.6
5°	1217.0
7.5°	1213.5
10°	1202.5
12.5°	1184.3
15°	1168.3
17.5°	1150.0
20°	1128.3
22.5°	1106.3
25°	1077.4
27.5°	1046.5
30°	1011.9
32.5°	979.6
35°	941.5
37.5°	901.5
40°	854.4
42.5°	808.8
45°	761.9
47.5°	709.1
50°	651.3
52.5°	591.2
55°	526.1
57.5°	467.9
60°	402.5
62.5°	344.7
65°	286.5
67.5°	232.0
70°	181.4
72.5°	136.1
75°	96.2
77.5°	61.7
80°	36.2
82.5°	21.7
85°	12.6
87.5°	5.4
90°	0.0



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— 0°-180°







(END OF REPORT)