

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: P844217

Luminaire Tested: **LD6C25DE010B2750 EU6C25B35 6LBCSMMS**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844217  
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: LD6C25DE010B2750 EU6C25B35 6LBCSMMS  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

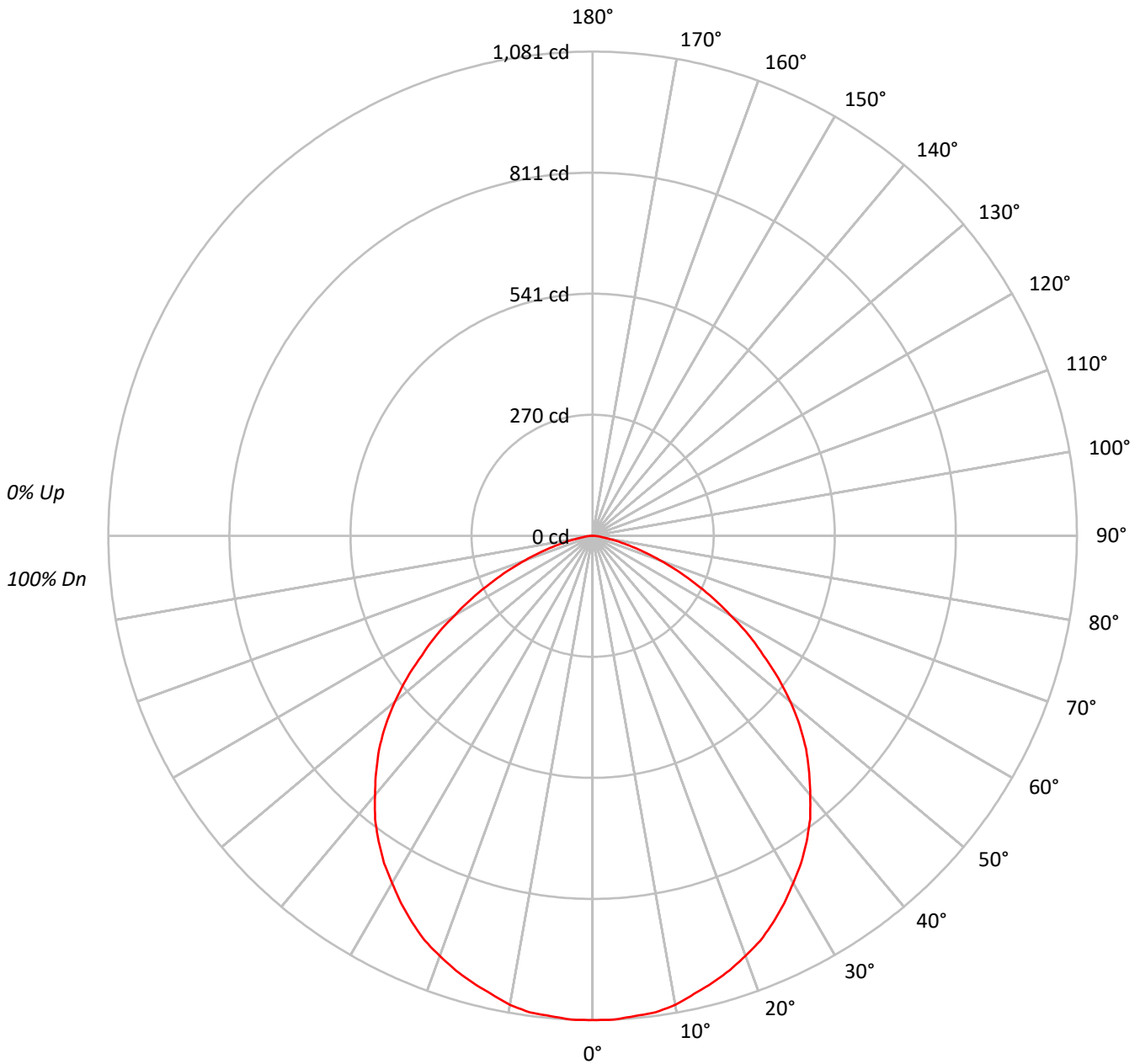
Lumens per Lamp: N/A  
Luminaire Lumens: 2647.3 lumens  
Efficiency: N/A  
Efficacy: 88.8 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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°	59277
5°	59234
10°	59206
15°	58638
20°	58216
25°	57632
30°	56661
35°	55727
40°	54080
45°	52246
50°	49124
55°	44472
60°	39032
65°	32870
70°	25709
75°	18025
80°	10102
85°	6982



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.4	3.9
10°-20°	291.7	11.0
20°-30°	438.7	16.6
30°-40°	520.0	19.6
40°-50°	517.5	19.5
50°-60°	417.1	15.8
60°-70°	252.3	9.5
70°-80°	93.7	3.5
80°-90°	13.9	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°	832.8	31.5
0°-40°	1352.8	51.1
0°-60°	2287.4	86.4
0°-90°	2647.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2647.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1081	
5°	1076	102
15°	1033	292
25°	953	439
35°	833	520
45°	674	517
55°	465	417
65°	253	252
75°	85	94
85°	11	14
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1081.3
2.5°	1081.3
5°	1076.4
7.5°	1073.3
10°	1063.6
12.5°	1047.5
15°	1033.2
17.5°	1017.1
20°	997.9
22.5°	978.5
25°	952.8
27.5°	925.6
30°	895.1
32.5°	866.3
35°	832.7
37.5°	797.4
40°	755.7
42.5°	715.4
45°	673.9
47.5°	627.2
50°	576.0
52.5°	522.9
55°	465.3
57.5°	413.9
60°	356.0
62.5°	304.8
65°	253.4
67.5°	205.3
70°	160.4
72.5°	120.5
75°	85.1
77.5°	54.5
80°	32.0
82.5°	19.2
85°	11.1
87.5°	4.8
90°	0.0



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— 0°-180°







(END OF REPORT)