

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: P844242

Luminaire Tested: **LD6C25DE010B2750 EU6C25B40 6LBMLI**

Issue Date: 2/17/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P844242  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205108)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C25DE010B2750 EU6C25B40 6LBMLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

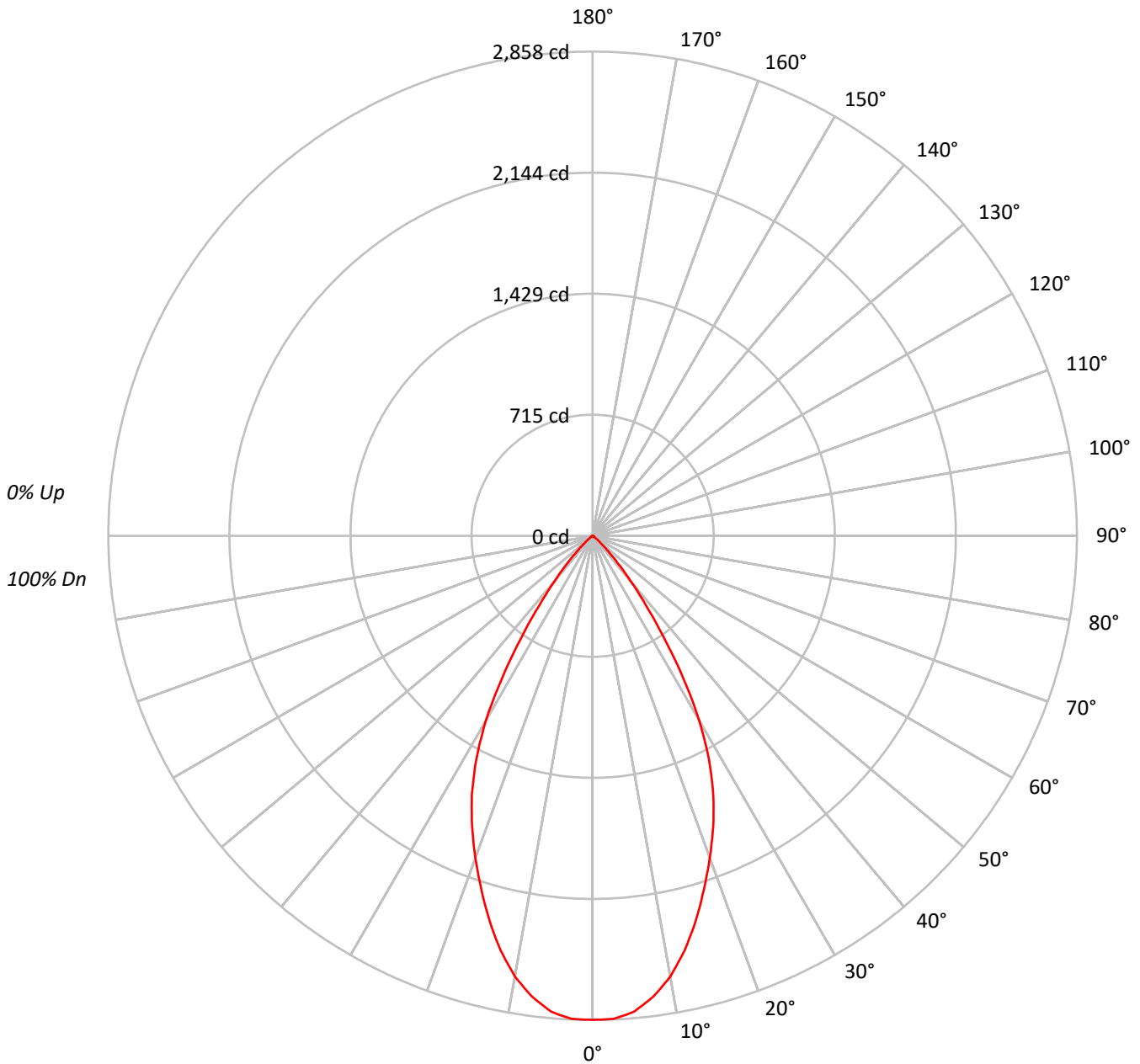
Lumens per Lamp: N/A  
Luminaire Lumens: 2283.5 lumens  
Efficiency: N/A  
Efficacy: 76.6 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P844242

CATALOG NUMBER: LD6C25DE010B2750 EU6C25B40 6LBMLI

### Luminous Intensity Polar Plot





TEST NUMBER: P844242

CATALOG NUMBER: LD6C25DE010B2750 EU6C25B40 6LBMLI

**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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94			
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88			
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82			
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76			
5	93	85	79	75	91	84	79	75	82	78	74	81	77	73	79	76	73	71			
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67			
7	84	75	69	65	83	75	69	65	73	68	65	72	68	64	71	67	64	63			
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52			

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

	0°
0°	156654
5°	155167
10°	147030
15°	133491
20°	117960
25°	101982
30°	79715
35°	48887
40°	25090
45°	9970
50°	3241
55°	1109
60°	965
65°	765
70°	481
75°	635
80°	0
85°	0



TEST NUMBER: P844242

CATALOG NUMBER: LD6C25DE010B2750 EU6C25B40 6LBMLI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	263.2	11.5
10°-20°	655.4	28.7
20°-30°	761.9	33.4
30°-40°	466.5	20.4
40°-50°	115.9	5.1
50°-60°	13.6	0.6
60°-70°	5.1	0.2
70°-80°	2.0	0.1
80°-90°	0.0	0.0
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°	1680.5	73.6
0°-40°	2147.0	94.0
0°-60°	2276.5	99.7
0°-90°	2283.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2283.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2858	
5°	2820	263
15°	2352	655
25°	1686	762
35°	730	467
45°	129	116
55°	12	14
65°	6	5
75°	3	2
85°	0	0
90°	0	



TEST NUMBER: P844242

CATALOG NUMBER: LD6C25DE010B2750 EU6C25B40 6LBMLI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2857.6
2.5°	2854.7
5°	2819.7
7.5°	2743.6
10°	2641.3
12.5°	2507.0
15°	2352.1
17.5°	2185.6
20°	2022.0
22.5°	1858.3
25°	1686.0
27.5°	1487.2
30°	1259.3
32.5°	993.4
35°	730.5
37.5°	514.2
40°	350.6
42.5°	219.1
45°	128.6
47.5°	73.1
50°	38.0
52.5°	17.6
55°	11.6
57.5°	8.8
60°	8.8
62.5°	5.9
65°	5.9
67.5°	3.0
70°	3.0
72.5°	3.0
75°	3.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)