

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: P844167

Luminaire Tested: **LD6C20DE010B50 EU6C20B50 6LBCSMW**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844167  
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: LD6C20DE010B50 EU6C20B50 6LBCSMW  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

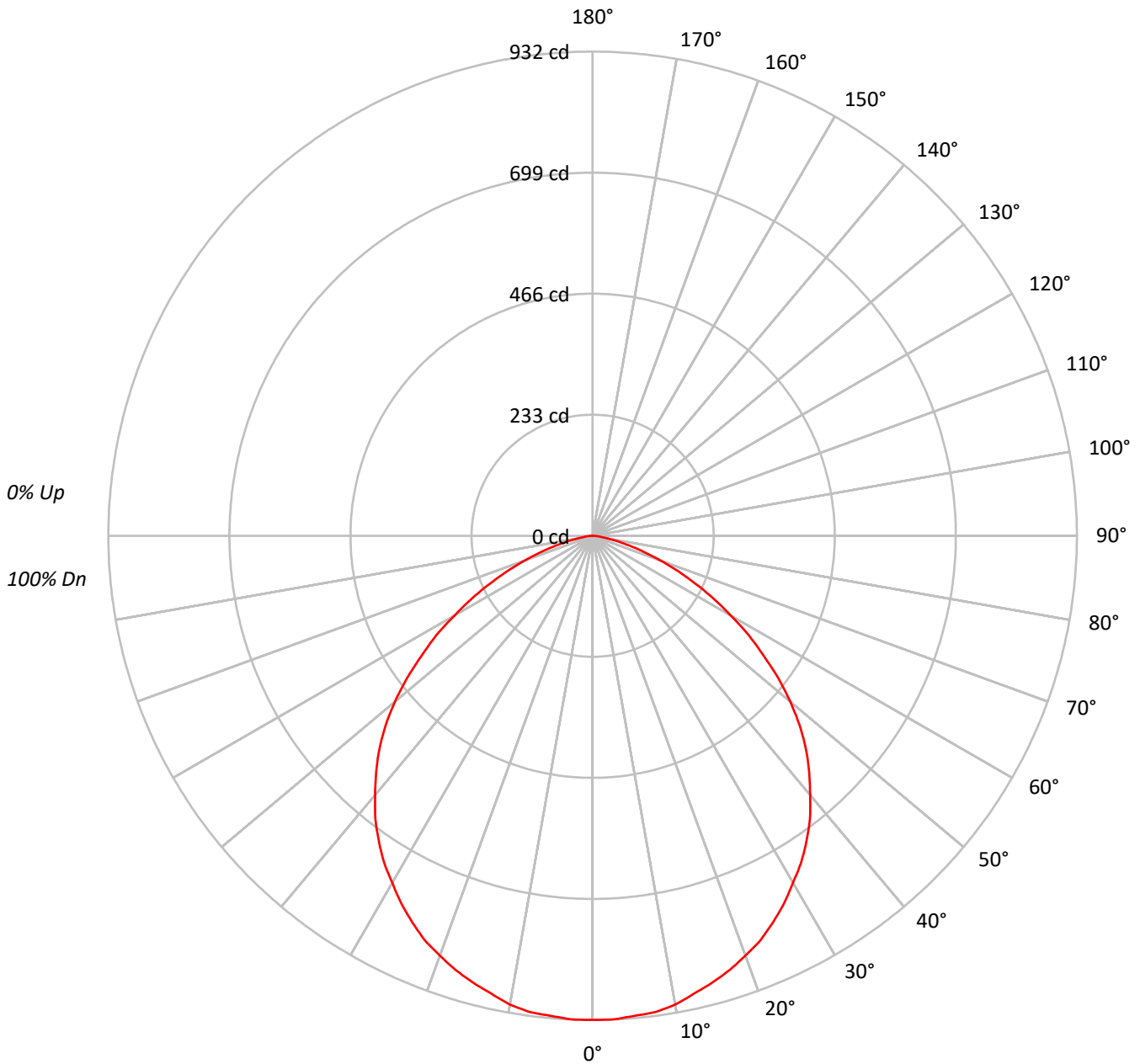
Lumens per Lamp: N/A  
Luminaire Lumens: 2281.3 lumens  
Efficiency: N/A  
Efficacy: 104.6 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.8  
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: P844167

CATALOG NUMBER: LD6C20DE010B50 EU6C20B50 6LBSCMW

### Luminous Intensity Polar Plot





TEST NUMBER: P844167

CATALOG NUMBER: LD6C20DE010B50 EU6C20B50 6LBSCMW

**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°	51087
5°	51040
10°	51018
15°	50534
20°	50171
25°	49666
30°	48824
35°	48024
40°	46602
45°	45020
50°	42327
55°	38316
60°	33638
65°	28330
70°	22167
75°	15526
80°	8713
85°	6038



TEST NUMBER: P844167

CATALOG NUMBER: LD6C20DE010B50 EU6C20B50 6LBSCMW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.3	3.9
10°-20°	251.3	11.0
20°-30°	378.1	16.6
30°-40°	448.1	19.6
40°-50°	445.9	19.5
50°-60°	359.4	15.8
60°-70°	217.4	9.5
70°-80°	80.8	3.5
80°-90°	12.0	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°	717.7	31.5
0°-40°	1165.8	51.1
0°-60°	1971.1	86.4
0°-90°	2281.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2281.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	932	
5°	928	88
15°	890	251
25°	821	378
35°	718	448
45°	581	446
55°	401	359
65°	218	217
75°	73	81
85°	10	12
90°	0	



TEST NUMBER: P844167

CATALOG NUMBER: LD6C20DE010B50 EU6C20B50 6LBSCMW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	931.9
2.5°	931.9
5°	927.5
7.5°	924.9
10°	916.5
12.5°	902.7
15°	890.4
17.5°	876.5
20°	860.0
22.5°	843.3
25°	821.1
27.5°	797.7
30°	771.3
32.5°	746.6
35°	717.6
37.5°	687.1
40°	651.2
42.5°	616.5
45°	580.7
47.5°	540.5
50°	496.3
52.5°	450.7
55°	400.9
57.5°	356.6
60°	306.8
62.5°	262.7
65°	218.4
67.5°	176.9
70°	138.3
72.5°	103.8
75°	73.3
77.5°	47.0
80°	27.6
82.5°	16.5
85°	9.6
87.5°	4.1
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)