

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: P844120

Luminaire Tested: **LD6C20DE010B2750 EU6C20B30 6LBMB**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844120  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203577)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C20DE010B2750 EU6C20B30 6LBMB  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

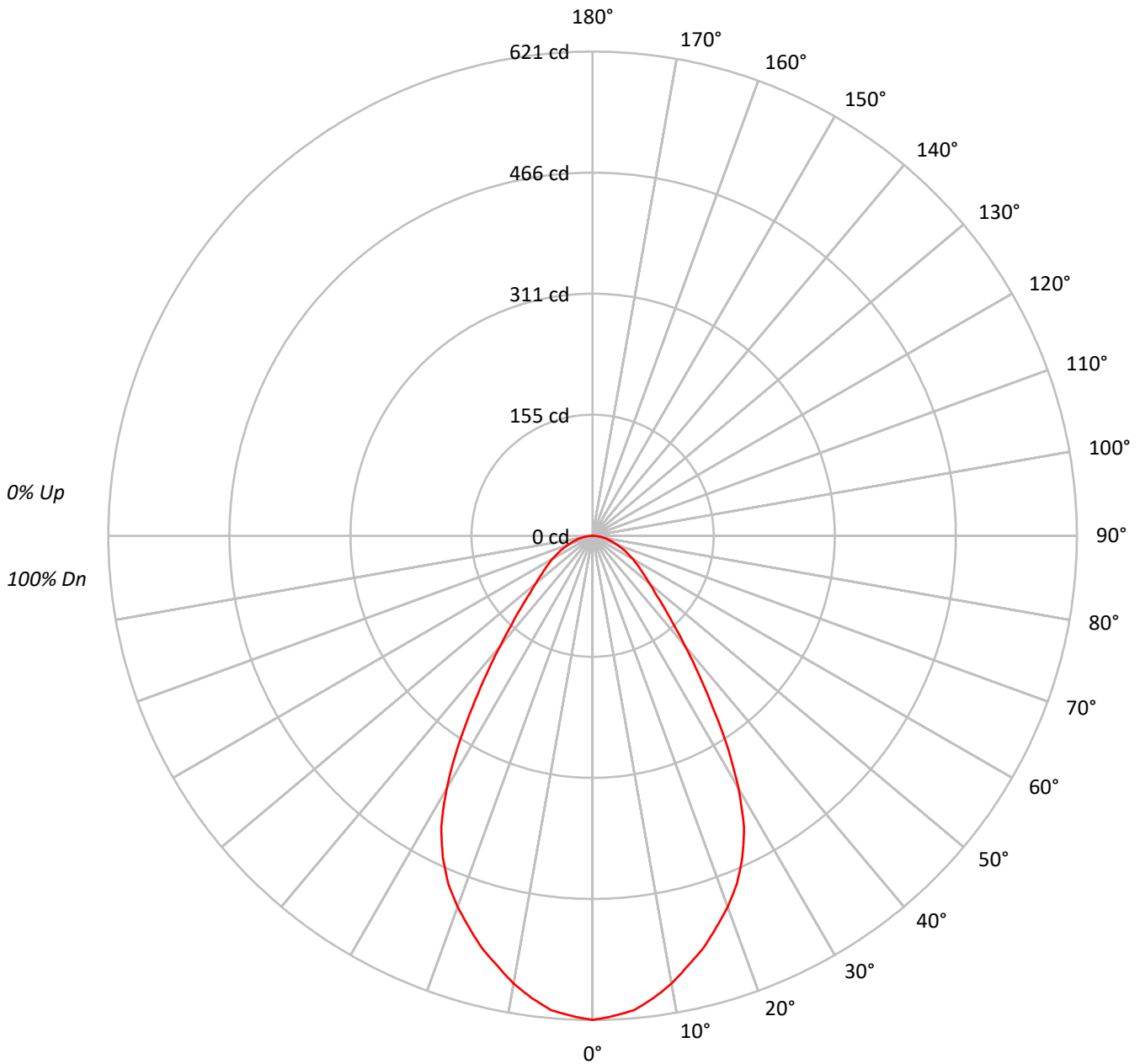
Lumens per Lamp: N/A  
Luminaire Lumens: 832.3 lumens  
Efficiency: N/A  
Efficacy: 38.2 lumens/watt  
Spacing Criteria (0/90/45): 1 / 1 / 0.97  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P844120

CATALOG NUMBER: LD6C20DE010B2750 EU6C20B30 6LBMB

### Luminous Intensity Polar Plot





TEST NUMBER: P844120

CATALOG NUMBER: LD6C20DE010B2750 EU6C20B30 6LBMB

**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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89			
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71			
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64			
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58			
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53			
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48			
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41			
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38			

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

	0°
0°	34043
5°	33612
10°	32464
15°	31078
20°	29537
25°	27498
30°	23687
35°	17976
40°	13146
45°	9970
50°	8128
55°	7130
60°	6546
65°	5954
70°	5337
75°	4872
80°	4325
85°	3585



TEST NUMBER: P844120

CATALOG NUMBER: LD6C20DE010B2750 EU6C20B30 6LBMB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.4	6.9
10°-20°	153.7	18.5
20°-30°	206.3	24.8
30°-40°	169.3	20.3
40°-50°	101.6	12.2
50°-60°	67.5	8.1
60°-70°	45.2	5.4
70°-80°	24.4	2.9
80°-90°	6.9	0.8
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°	417.4	50.1
0°-40°	586.6	70.5
0°-60°	755.8	90.8
0°-90°	832.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	832.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	621	
5°	611	57
15°	548	154
25°	455	206
35°	269	169
45°	129	102
55°	75	68
65°	46	45
75°	23	24
85°	6	7
90°	0	



TEST NUMBER: P844120

CATALOG NUMBER: LD6C20DE010B2750 EU6C20B30 6LBMB

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	621.0
2.5°	616.5
5°	610.8
7.5°	598.1
10°	583.2
12.5°	564.8
15°	547.6
17.5°	526.9
20°	506.3
22.5°	483.3
25°	454.6
27.5°	420.2
30°	374.2
32.5°	322.6
35°	268.6
37.5°	222.7
40°	183.7
42.5°	152.7
45°	128.6
47.5°	109.0
50°	95.3
52.5°	83.8
55°	74.6
57.5°	66.6
60°	59.7
62.5°	51.6
65°	45.9
67.5°	39.0
70°	33.3
72.5°	27.5
75°	23.0
77.5°	18.4
80°	13.7
82.5°	10.4
85°	5.7
87.5°	2.3
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)