

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: P844124

Luminaire Tested: **LD6C20DE010B2750 EU6C20B30 6LBMMW**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844124  
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 6LBMMW  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

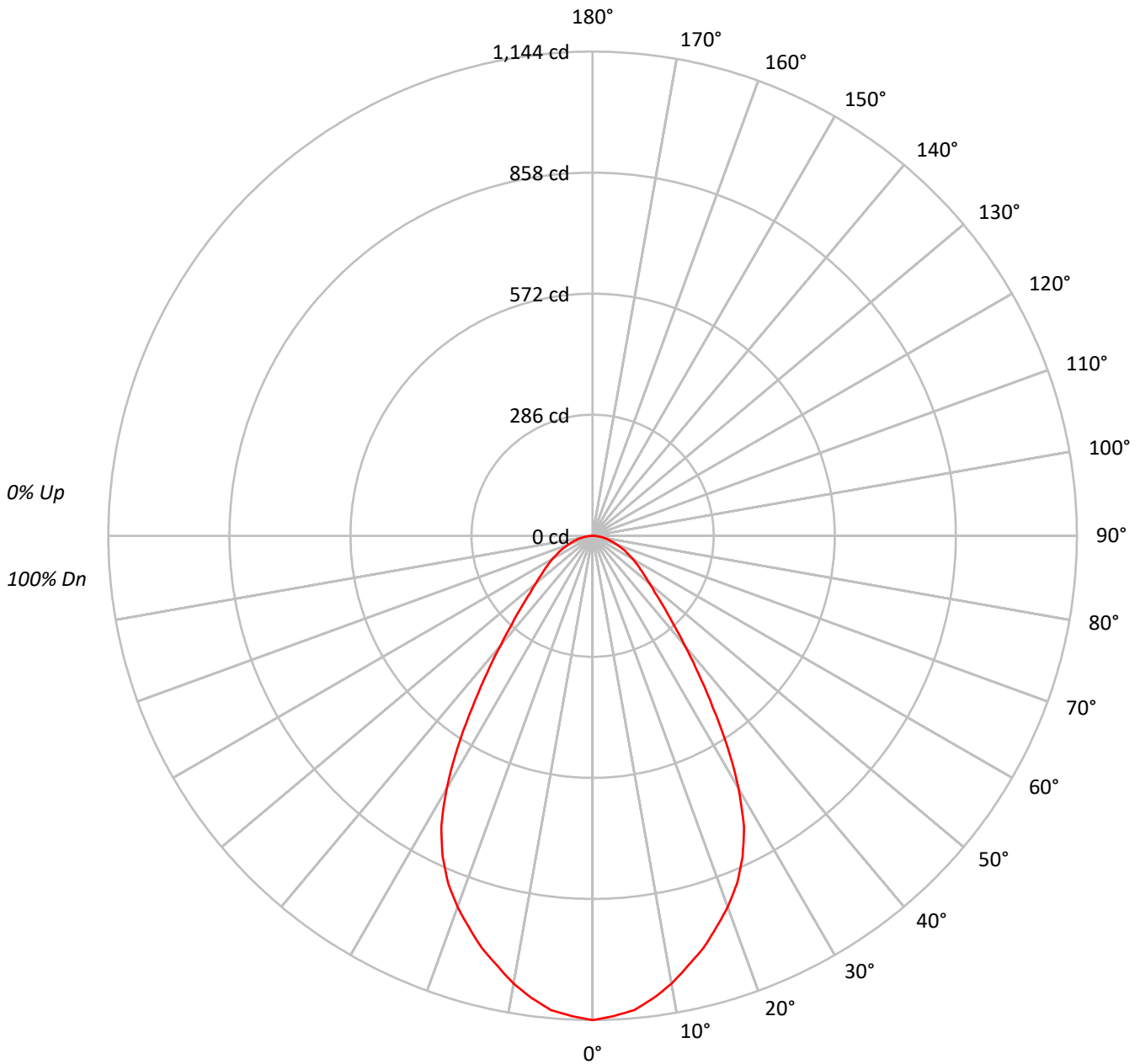
Lumens per Lamp: N/A  
Luminaire Lumens: 1533.6 lumens  
Efficiency: N/A  
Efficacy: 70.3 lumens/watt  
Spacing Criteria (0/90/45): 1 / 1 / 0.97  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P844124

CATALOG NUMBER: LD6C20DE010B2750 EU6C20B30 6LBMMW

### Luminous Intensity Polar Plot





TEST NUMBER: P844124

CATALOG NUMBER: LD6C20DE010B2750 EU6C20B30 6LBMMW

**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			100
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89			89
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			79
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71			71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64			64
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58			58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53			53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48			48
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			44
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41			41
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38			38

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

	0°
0°	62731
5°	61919
10°	59813
15°	57265
20°	54418
25°	50664
30°	43646
35°	33127
40°	24217
45°	18366
50°	14976
55°	13142
60°	12060
65°	10974
70°	9825
75°	8960
80°	8019
85°	6667



TEST NUMBER: P844124

CATALOG NUMBER: LD6C20DE010B2750 EU6C20B30 6LBMMW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.7	6.9
10°-20°	283.1	18.5
20°-30°	380.2	24.8
30°-40°	311.9	20.3
40°-50°	187.3	12.2
50°-60°	124.5	8.1
60°-70°	83.4	5.4
70°-80°	44.9	2.9
80°-90°	12.6	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°	769.0	50.1
0°-40°	1080.9	70.5
0°-60°	1392.6	90.8
0°-90°	1533.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1533.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1144	
5°	1125	106
15°	1009	283
25°	838	380
35°	495	312
45°	237	187
55°	138	124
65°	85	83
75°	42	45
85°	11	13
90°	0	



TEST NUMBER: P844124

CATALOG NUMBER: LD6C20DE010B2750 EU6C20B30 6LBMMW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1144.3
2.5°	1135.8
5°	1125.2
7.5°	1101.9
10°	1074.5
12.5°	1040.6
15°	1009.0
17.5°	970.8
20°	932.8
22.5°	890.5
25°	837.6
27.5°	774.2
30°	689.5
32.5°	594.3
35°	495.0
37.5°	410.4
40°	338.4
42.5°	281.3
45°	236.9
47.5°	201.0
50°	175.6
52.5°	154.4
55°	137.5
57.5°	122.7
60°	110.0
62.5°	95.2
65°	84.6
67.5°	71.9
70°	61.3
72.5°	50.8
75°	42.3
77.5°	33.8
80°	25.4
82.5°	19.0
85°	10.6
87.5°	4.2
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)