

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: P844109

Luminaire Tested: **LD6C20DE010B2750 EU6C20B27 6LBNLI**

Issue Date: 2/17/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P844109  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205310)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C20DE010B2750 EU6C20B27 6LBNLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

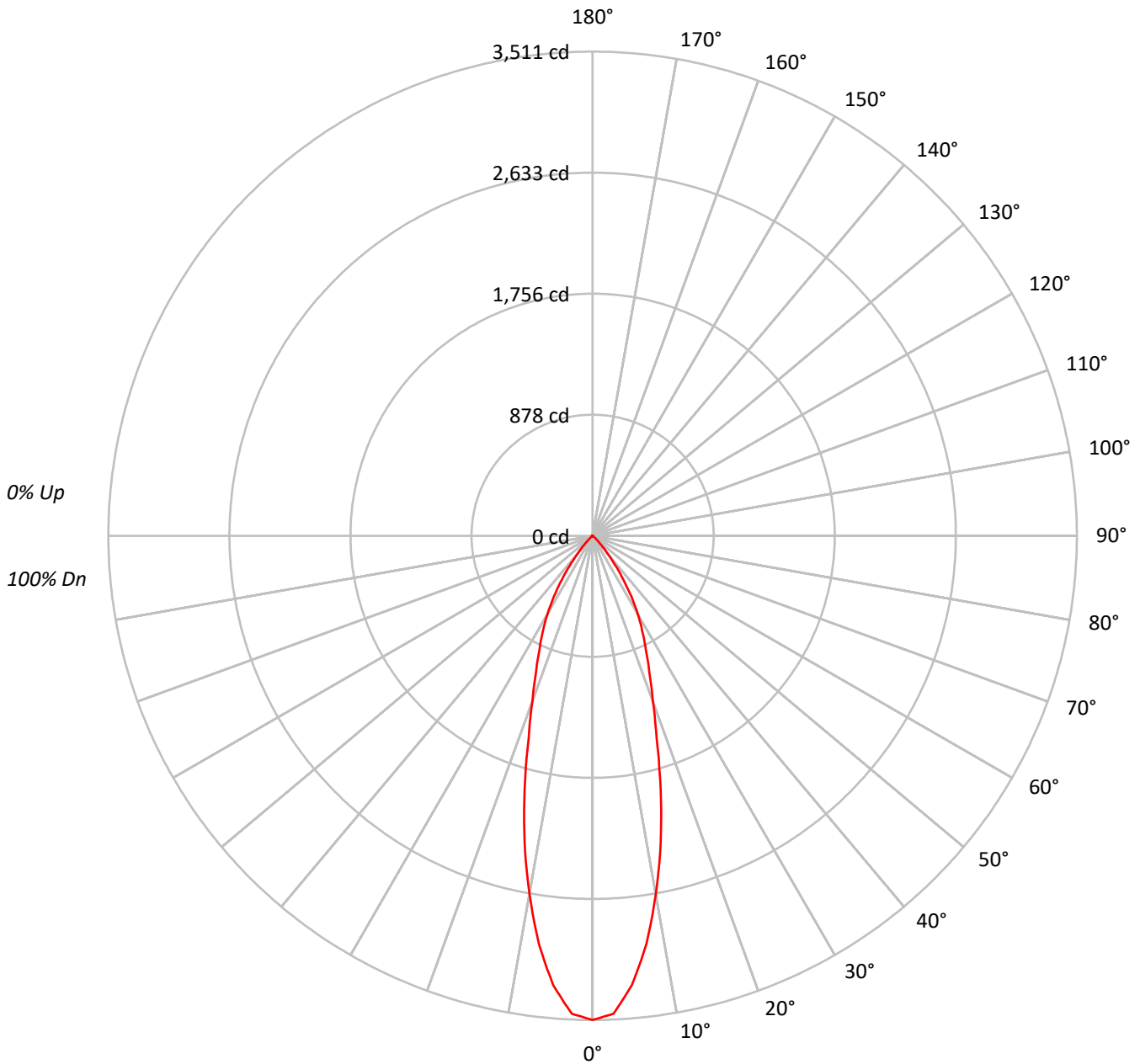
Lumens per Lamp: N/A  
Luminaire Lumens: 1542.0 lumens  
Efficiency: N/A  
Efficacy: 70.7 lumens/watt  
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.58  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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

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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	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	96	95				95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89				89
3	105	99	94	91	103	97	93	90	95	91	89	93	90	87	90	88	86	85				85
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80				80
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76				76
6	92	84	79	75	90	83	78	75	82	77	74	80	76	74	79	76	73	72				72
7	88	80	74	71	87	79	74	71	78	73	70	77	73	70	76	72	69	68				68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	73	69	66	65				65
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	62				62
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	59				59

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

	0°
0°	192463
5°	179985
10°	146791
15°	108020
20°	74451
25°	55273
30°	41519
35°	25893
40°	12574
45°	4311
50°	571
55°	421
60°	241
65°	285
70°	353
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	291.9	18.9
10°-20°	523.9	34.0
20°-30°	423.6	27.5
30°-40°	244.1	15.8
40°-50°	51.6	3.3
50°-60°	4.4	0.3
60°-70°	2.2	0.1
70°-80°	0.3	0.0
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°	1239.4	80.4
0°-40°	1483.5	96.2
0°-60°	1539.5	99.8
0°-90°	1542.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1542.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3511	
5°	3271	292
15°	1903	524
25°	914	424
35°	387	244
45°	56	52
55°	4	4
65°	2	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3510.8
2.5°	3468.6
5°	3270.7
7.5°	2986.1
10°	2637.0
12.5°	2279.1
15°	1903.3
17.5°	1540.9
20°	1276.2
22.5°	1073.9
25°	913.8
27.5°	778.2
30°	655.9
32.5°	520.4
35°	386.9
37.5°	269.1
40°	175.7
42.5°	106.7
45°	55.6
47.5°	22.2
50°	6.7
52.5°	6.7
55°	4.4
57.5°	4.4
60°	2.2
62.5°	2.2
65°	2.2
67.5°	2.2
70°	2.2
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)