

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: P844149

Luminaire Tested: **LD6C20DE010B40 EU6C20B40 6LBCSMMS**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844149  
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: LD6C20DE010B40 EU6C20B40 6LBCSMMS  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

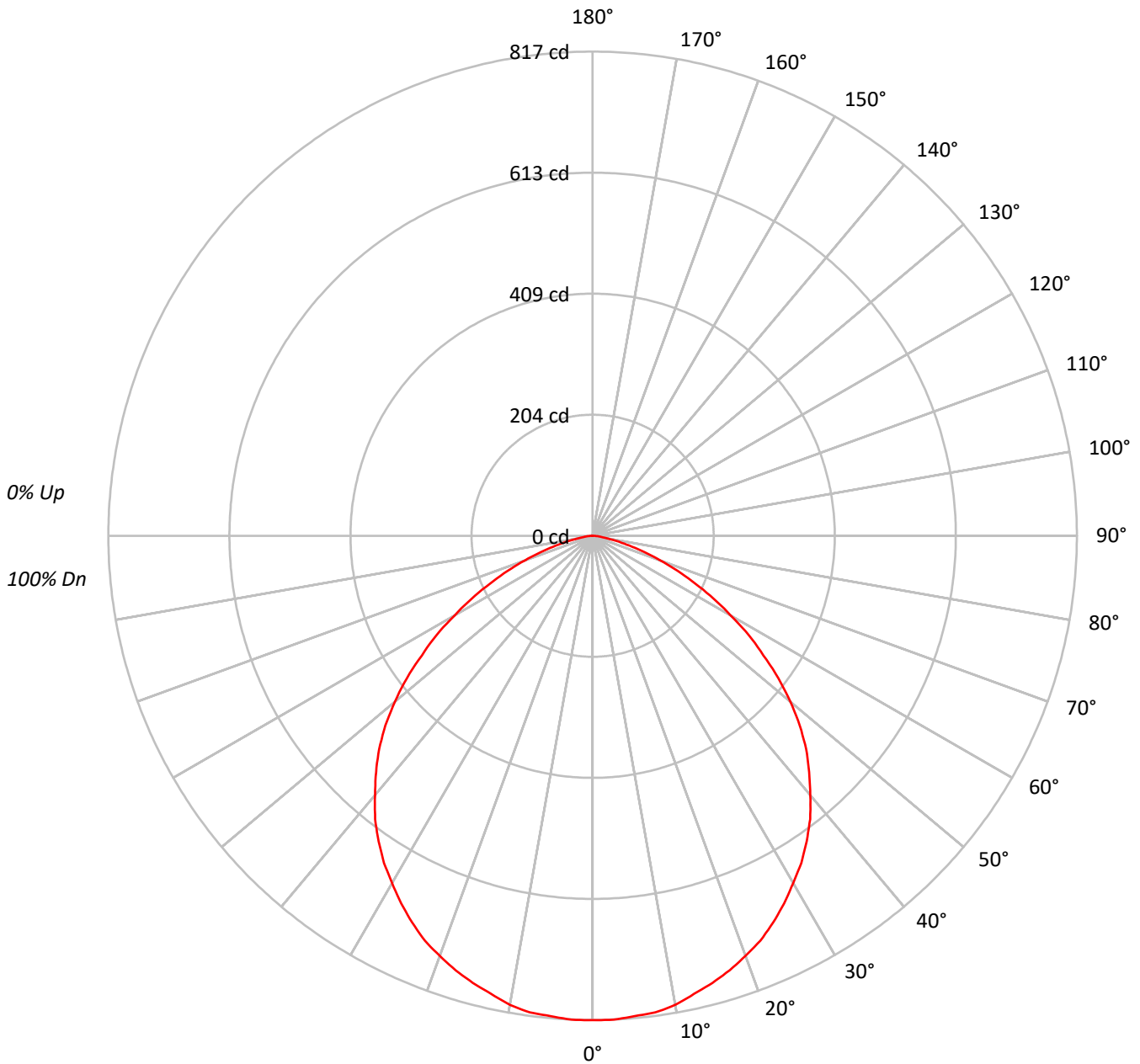
Lumens per Lamp: N/A  
Luminaire Lumens: 2001.1 lumens  
Efficiency: N/A  
Efficacy: 91.8 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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

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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	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°	44805
5°	44772
10°	44750
15°	44331
20°	44005
25°	43563
30°	42829
35°	42121
40°	40877
45°	39492
50°	37133
55°	33614
60°	29515
65°	24841
70°	19442
75°	13619
80°	7640
85°	5346



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.4	3.9
10°-20°	220.5	11.0
20°-30°	331.6	16.6
30°-40°	393.1	19.6
40°-50°	391.1	19.5
50°-60°	315.3	15.8
60°-70°	190.7	9.5
70°-80°	70.9	3.5
80°-90°	10.5	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°	629.5	31.5
0°-40°	1022.5	51.1
0°-60°	1729.0	86.4
0°-90°	2001.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2001.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	817	
5°	814	77
15°	781	220
25°	720	332
35°	629	393
45°	509	391
55°	352	315
65°	192	191
75°	64	71
85°	8	11
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	817.3
2.5°	817.3
5°	813.6
7.5°	811.3
10°	803.9
12.5°	791.7
15°	781.1
17.5°	768.8
20°	754.3
22.5°	739.6
25°	720.2
27.5°	699.6
30°	676.6
32.5°	654.9
35°	629.4
37.5°	602.7
40°	571.2
42.5°	540.8
45°	509.4
47.5°	474.1
50°	435.4
52.5°	395.2
55°	351.7
57.5°	312.8
60°	269.2
62.5°	230.5
65°	191.5
67.5°	155.2
70°	121.3
72.5°	91.1
75°	64.3
77.5°	41.2
80°	24.2
82.5°	14.5
85°	8.5
87.5°	3.6
90°	0.0



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— 0°-180°







(END OF REPORT)