

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: P844138

Luminaire Tested: **LD6C20DE010B35 EU6C20B35 6LBMGPH**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844138  
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: LD6C20DE010B35 EU6C20B35 6LBMGPH  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

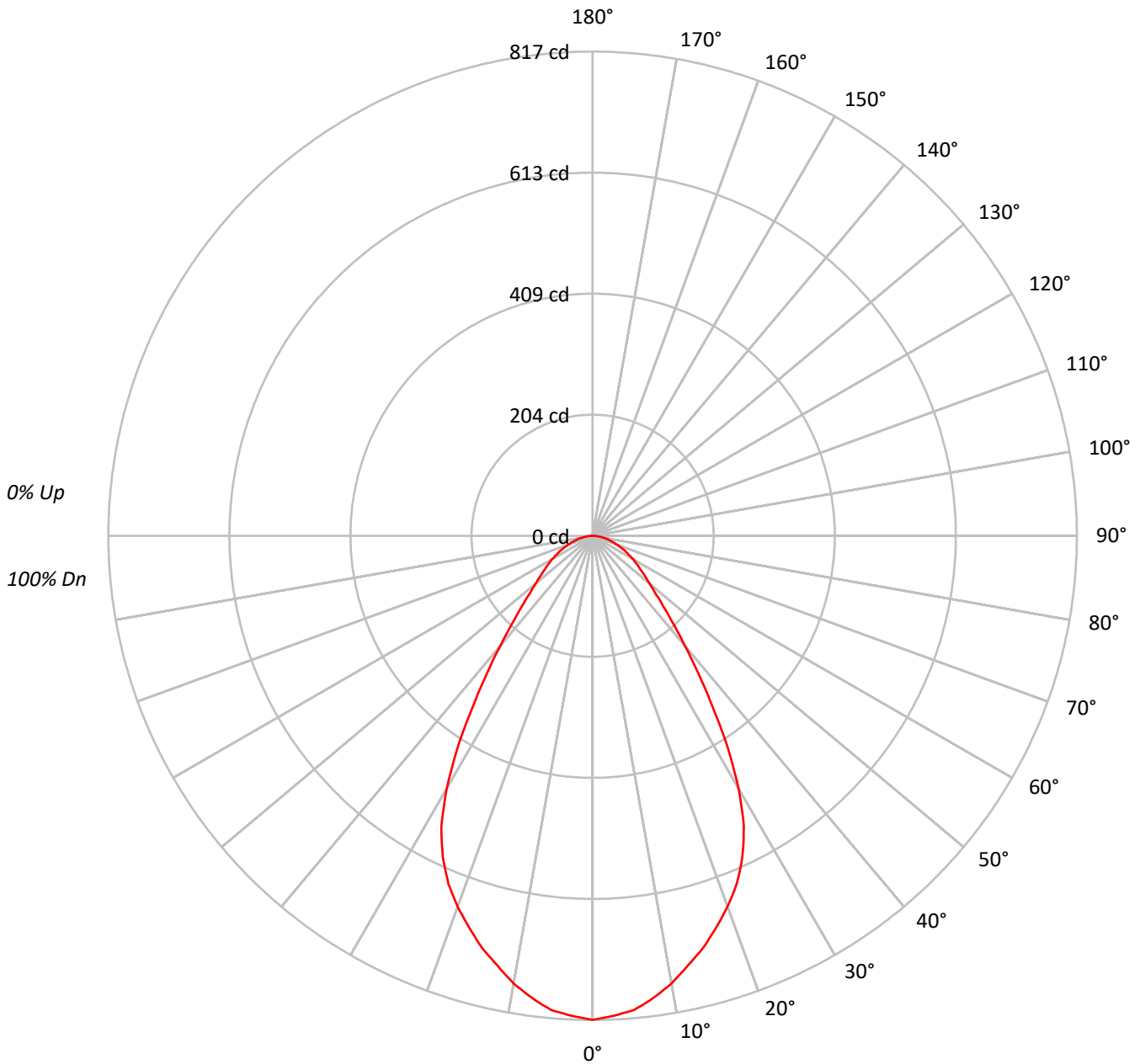
Lumens per Lamp: N/A  
Luminaire Lumens: 1094.6 lumens  
Efficiency: N/A  
Efficacy: 50.2 lumens/watt  
Spacing Criteria (0/90/45): 1 / 1 / 0.97  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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

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### Luminous Intensity Polar Plot





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**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°	44777
5°	44200
10°	42696
15°	40869
20°	38842
25°	36165
30°	31157
35°	23637
40°	17290
45°	13110
50°	10686
55°	9376
60°	8607
65°	7835
70°	7020
75°	6375
80°	5714
85°	4717



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.5	6.9
10°-20°	202.1	18.5
20°-30°	271.4	24.8
30°-40°	222.6	20.3
40°-50°	133.7	12.2
50°-60°	88.8	8.1
60°-70°	59.5	5.4
70°-80°	32.0	2.9
80°-90°	9.0	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°	548.9	50.1
0°-40°	771.5	70.5
0°-60°	994.0	90.8
0°-90°	1094.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1094.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	817	
5°	803	75
15°	720	202
25°	598	271
35°	353	223
45°	169	134
55°	98	89
65°	60	60
75°	30	32
85°	8	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	816.8
2.5°	810.8
5°	803.2
7.5°	786.6
10°	767.0
12.5°	742.8
15°	720.1
17.5°	693.0
20°	665.8
22.5°	635.6
25°	597.9
27.5°	552.6
30°	492.2
32.5°	424.2
35°	353.2
37.5°	292.9
40°	241.6
42.5°	200.8
45°	169.1
47.5°	143.4
50°	125.3
52.5°	110.2
55°	98.1
57.5°	87.6
60°	78.5
62.5°	67.9
65°	60.4
67.5°	51.3
70°	43.8
72.5°	36.3
75°	30.1
77.5°	24.1
80°	18.1
82.5°	13.5
85°	7.5
87.5°	3.1
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)