

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: P844155

Luminaire Tested: **LD6C20DE010B40 EU6C20B40 6LBMGPH**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844155  
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: LD6C20DE010B40 EU6C20B40 6LBMGPH  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

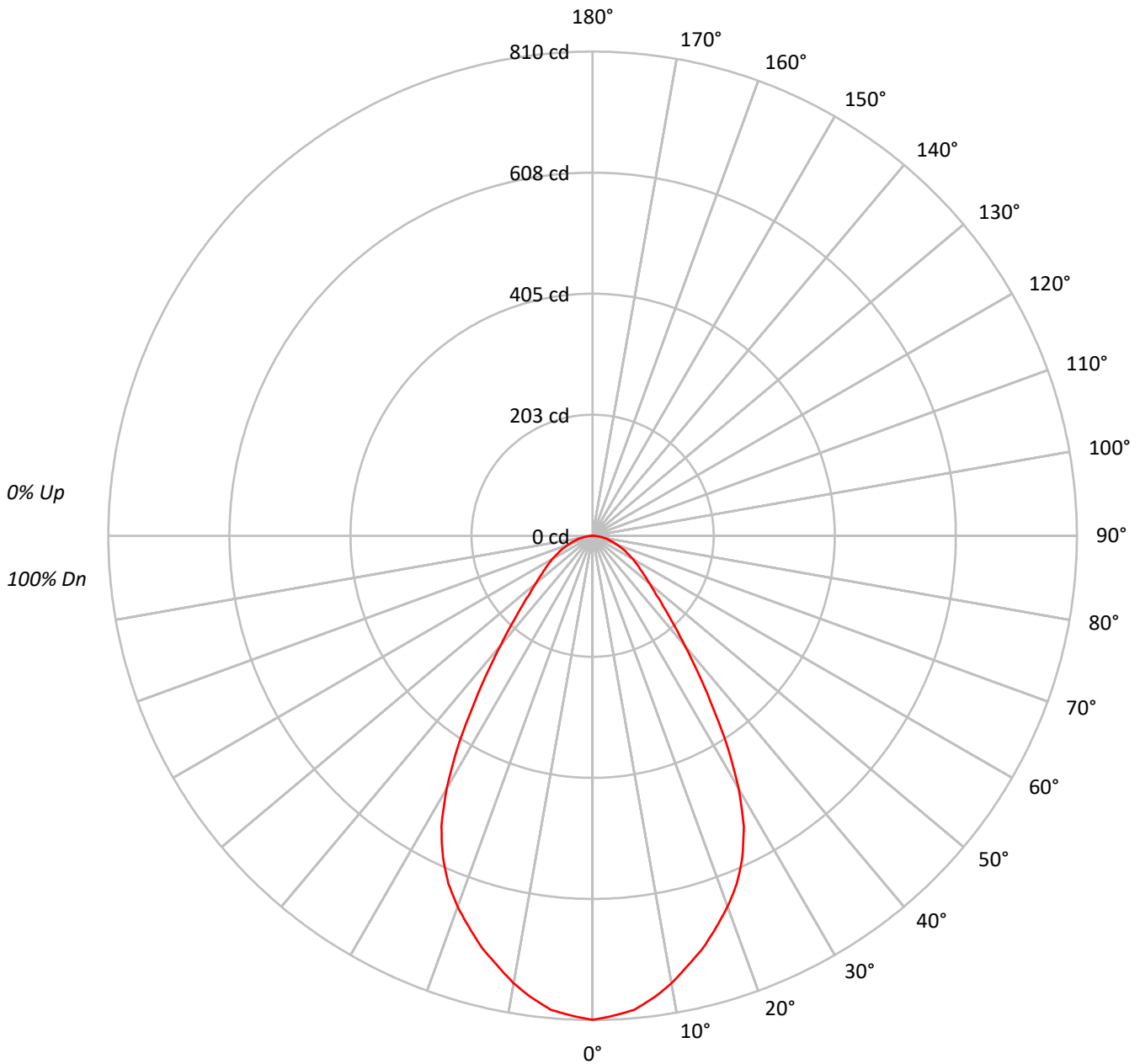
Lumens per Lamp: N/A  
Luminaire Lumens: 1085.1 lumens  
Efficiency: N/A  
Efficacy: 49.8 lumens/watt  
Spacing Criteria (0/90/45): 1 / 1 / 0.97  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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°	44388
5°	43815
10°	42323
15°	40517
20°	38509
25°	35851
30°	30884
35°	23436
40°	17132
45°	12994
50°	10601
55°	9300
60°	8530
65°	7770
70°	6956
75°	6333
80°	5683
85°	4717



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.8	6.9
10°-20°	200.3	18.5
20°-30°	269.0	24.8
30°-40°	220.6	20.3
40°-50°	132.5	12.2
50°-60°	88.1	8.1
60°-70°	59.0	5.4
70°-80°	31.8	2.9
80°-90°	8.9	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°	544.1	50.1
0°-40°	764.8	70.5
0°-60°	985.3	90.8
0°-90°	1085.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1085.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	810	
5°	796	75
15°	714	200
25°	593	269
35°	350	221
45°	168	132
55°	97	88
65°	60	59
75°	30	32
85°	8	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	809.7
2.5°	803.7
5°	796.2
7.5°	779.8
10°	760.3
12.5°	736.3
15°	713.9
17.5°	686.9
20°	660.1
22.5°	630.1
25°	592.7
27.5°	547.7
30°	487.9
32.5°	420.5
35°	350.2
37.5°	290.3
40°	239.4
42.5°	199.0
45°	167.6
47.5°	142.1
50°	124.3
52.5°	109.3
55°	97.3
57.5°	86.8
60°	77.8
62.5°	67.4
65°	59.9
67.5°	50.9
70°	43.4
72.5°	36.0
75°	29.9
77.5°	23.9
80°	18.0
82.5°	13.4
85°	7.5
87.5°	3.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)